

Data File : VN051392.D
Acq On : 22 Sep 2018 12:42
Operator : MD\SY
Sample : VSTDIC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Manual Integrations
APPROVED

MMDadoda
9/24/2018 2:15:18 PM

Quant Time: Sep 24 05:47:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	515338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	718660	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	641039	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	307980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	89258	13.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.66%	
35) Dibromofluoromethane	7.59	113	80899	14.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.16%	
50) Toluene-d8	10.09	98	305295	14.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.22%	
62) 4-Bromofluorobenzene	12.40	95	90579	12.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	79055	16.443	ug/l	100
3) Chloromethane	2.06	50	125223	16.361	ug/l	98
4) Vinyl Chloride	2.18	62	142674	16.890	ug/l	98
5) Bromomethane	2.57	94	84720	16.775	ug/l	97
6) Chloroethane	2.70	64	86340	16.403	ug/l	100
7) Trichlorofluoromethane	3.02	101	180476	16.311	ug/l	98
8) Diethyl Ether	3.41	74	51184	12.680	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	94485	15.131	ug/l	98
10) Methyl Iodide	3.95	142	120374	14.707	ug/l	99
11) Tert butyl alcohol	4.79	59	26664	73.278	ug/l	98
12) 1,1-Dichloroethene	3.74	96	84174	14.681	ug/l	99
13) Acrolein	3.61	56	24854	68.698	ug/l	96
14) Allyl chloride	4.33	41	142206	14.782	ug/l	98
15) Acrylonitrile	4.99	53	151483	76.432	ug/l	98
16) Acetone	3.82	43	110964	58.966	ug/l	100
17) Carbon Disulfide	4.05	76	257397	15.280	ug/l	100
18) Methyl Acetate	4.33	43	77044	15.670	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	220034	14.882	ug/l	100
20) Methylene Chloride	4.56	84	102659	16.070	ug/l	95
21) trans-1,2-Dichloroethene	5.05	96	95074	16.209	ug/l	94
22) Diisopropyl ether	5.95	45	306577	16.487	ug/l	96
23) Vinyl Acetate	5.90	43	950788	77.882	ug/l	100
24) 1,1-Dichloroethane	5.85	63	180736	16.290	ug/l	99
25) 2-Butanone	6.84	43	172094	77.886	ug/l	99
26) 2,2-Dichloropropane	6.83	77	140000	16.165	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	104284	16.203	ug/l	98
28) Bromochloromethane	7.20	49	83977	16.390	ug/l	95
29) Tetrahydrofuran	7.22	42	109126	77.934	ug/l	98
30) Chloroform	7.37	83	184406	16.774	ug/l	100
31) Cyclohexane	7.66	56	161370	15.875	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	154471	16.436	ug/l	100
36) 1,1-Dichloropropene	7.79	75	134821	16.200	ug/l	98
37) Ethyl Acetate	6.93	43	76579	16.004	ug/l	99
38) Carbon Tetrachloride	7.78	117	143994	16.542	ug/l	95

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	150571	15.477	ug/l	95
40) Benzene	8.04	78	416266	17.035	ug/l	99
41) Methacrylonitrile	7.17	41	38205	14.432	ug/l #	89
42) 1,2-Dichloroethane	8.13	62	131432	16.798	ug/l	99
43) Isopropyl Acetate	8.17	43	136658	15.794	ug/l	99
44) Trichloroethene	8.84	130	107161	16.511	ug/l	100
45) 1,2-Dichloropropane	9.12	63	111447	16.778	ug/l	95
46) Dibromomethane	9.21	93	62867	16.751	ug/l	99
47) Bromodichloromethane	9.40	83	141382	17.023	ug/l	99
48) Methyl methacrylate	9.20	41	68915	15.975	ug/l	98
49) 1,4-Dioxane	9.20	88	18041	341.242	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	378857	79.616	ug/l	100
52) Toluene	10.16	92	246139	16.208	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	131314	15.660	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	159396	16.392	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	93097	17.346	ug/l	96
56) Ethyl methacrylate	10.43	69	100252	15.278	ug/l	98
57) 1,3-Dichloropropane	10.71	76	153343	16.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	277394	92.120	ug/l	99
59) 2-Hexanone	10.75	43	241241	78.203	ug/l	98
60) Dibromochloromethane	10.90	129	104742	16.541	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84720	16.261	ug/l	99
64) Tetrachloroethene	10.63	164	94941	16.319	ug/l	96
65) Chlorobenzene	11.44	112	267781	16.282	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	104928	16.745	ug/l	99
67) Ethyl Benzene	11.51	91	443212	15.990	ug/l	99
68) m/p-Xylenes	11.62	106	343038	31.996	ug/l	100
69) o-Xylene	11.95	106	166403	16.145	ug/l	100
70) Styrene	11.96	104	253265	15.507	ug/l	98
71) Bromoform	12.12	173	67350	15.840	ug/l #	98
73) Isopropylbenzene	12.25	105	440159	16.939	ug/l	100
74) N-amyl acetate	12.07	43	99900	15.322	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	107039	17.664	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	91540m	18.426	ug/l	
77) Bromobenzene	12.53	156	111498	16.950	ug/l	98
78) n-propylbenzene	12.59	91	483235	16.500	ug/l	99
79) 2-Chlorotoluene	12.67	91	294462	16.797	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	358258	16.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25822	15.530	ug/l	98
82) 4-Chlorotoluene	12.77	91	288627	16.496	ug/l	100
83) tert-Butylbenzene	12.99	119	314172	16.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	361955	16.952	ug/l	100
85) sec-Butylbenzene	13.17	105	422039	16.541	ug/l	100
86) p-Isopropyltoluene	13.29	119	359658	16.291	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	184856	16.239	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	175957	16.064	ug/l	99
89) n-Butylbenzene	13.62	91	275236	15.161	ug/l	99
90) Hexachloroethane	13.87	117	74515	16.940	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	182363	16.511	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13963	16.147	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092318\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
QLast Update : Mon Sep 24 05:35:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	72129	16.645	ug/l	99
94) Hexachlorobutadiene	15.01	225	73202	17.517	ug/l	95
95) Naphthalene	15.13	128	122156	16.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	76950	14.517	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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9/24/2018 2:15:18 PM

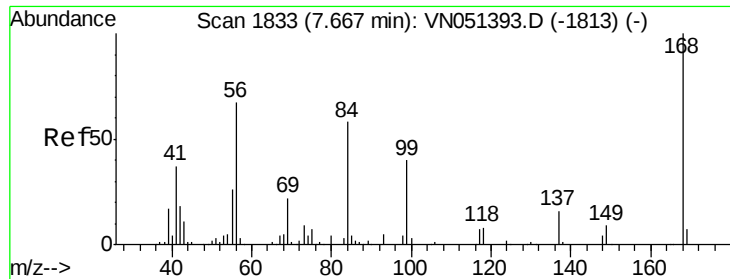
Abundance

TIC: VN051392.D

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

Dichlorodifluoromethane, T
Chloromethane, T
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
Methyl Carbon Disulfide, T
Methyl Acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
Methyl 2-chloroethyl ether, T
1,1-Dichloroethane, T
Diisopropyl ether, T
Vinyl Acetate, T
Ethyl Acetate, T
Methyl Chloroacetate, T
Chloroform, C
Dichlorodifluoromethane, T
Carbon tetrachloride, T
Isopropyl acetate, T
Benzene, T
Trichloroethene, T
1,2-Dichloroethane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
Toluene-d8, S
Ethyl 4-chlorobutyl ether, T
1,1,2-Trichloroethane, T
1,3-Dichloropropane, T
1,2-Dichloropropane, T
1,2-Dibromomethane, T
Chlorobenzene, T
Ethyl Benzene, T
Chlorobenzene-d5, T
m,p-Xylenes, T
o-Xylene, T
Isopropylbenzene, T
Isopropylbenzene, T
Toluene, T
1,3,5-Trimethylbenzene, T
1,3,5-Trimethylbenzene, T
1,2,4-Trimethylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobutadiene, T



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

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VSTDIC020

Tgt Ion:168 Resp: 515338

Ion Ratio Lower Upper

168 100

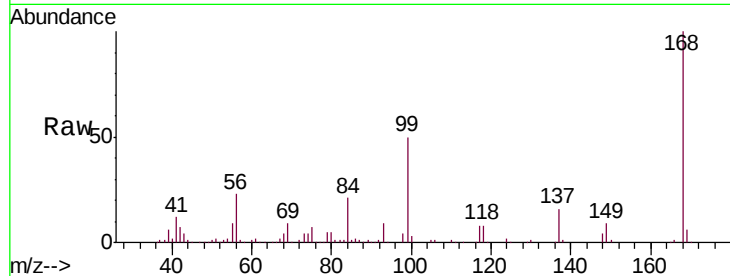
99 49.4 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

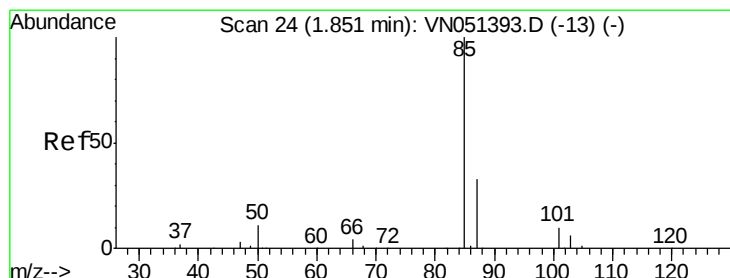
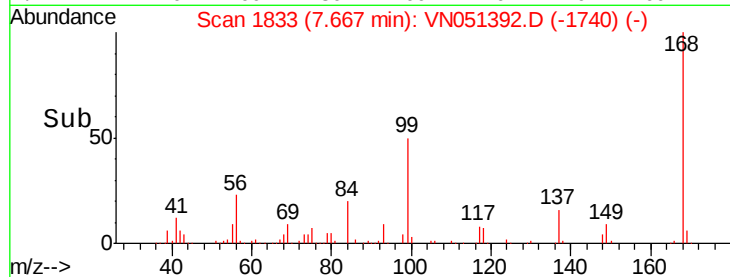
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.443 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051392.D

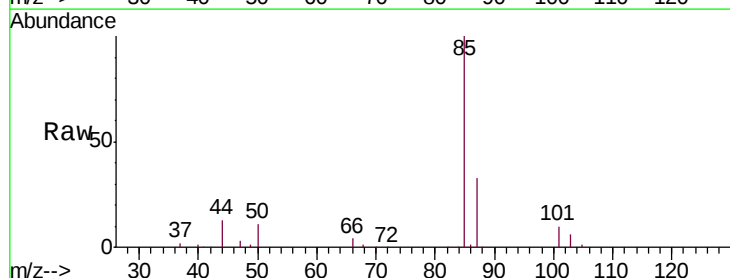
Acq: 22 Sep 2018 12:42

Tgt Ion: 85 Resp: 79055

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

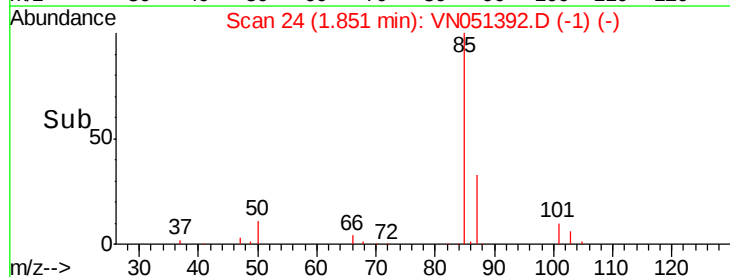
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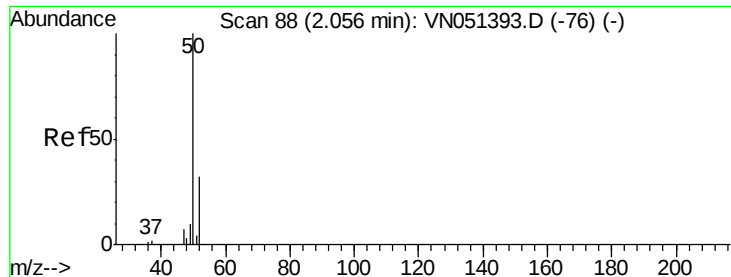
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 16.361 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

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ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 125223

Ion Ratio Lower Upper

50 100

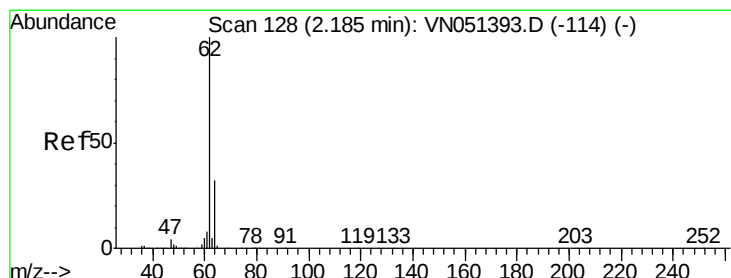
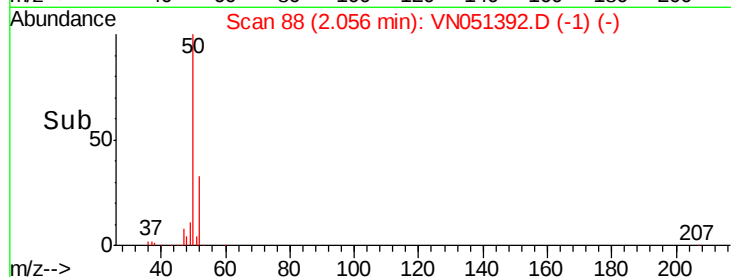
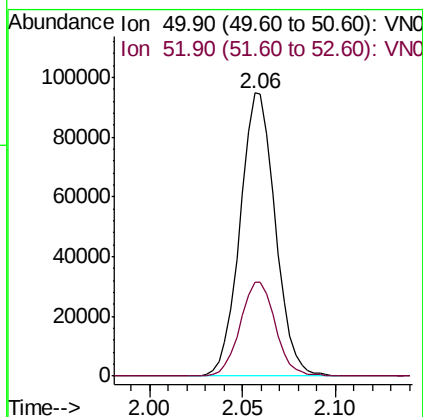
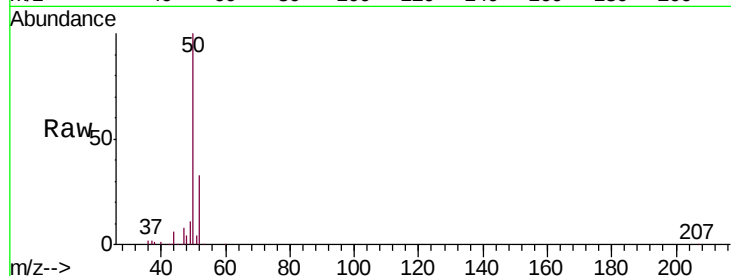
52 33.0 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.890 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051392.D

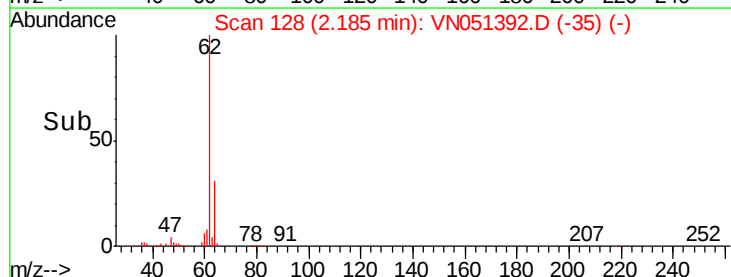
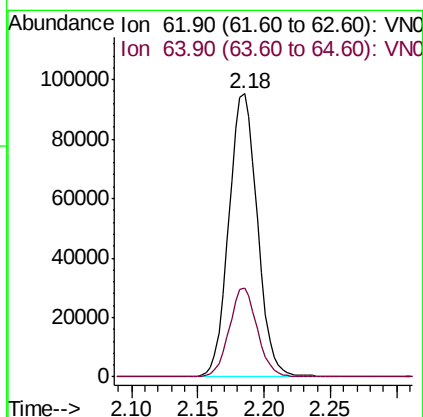
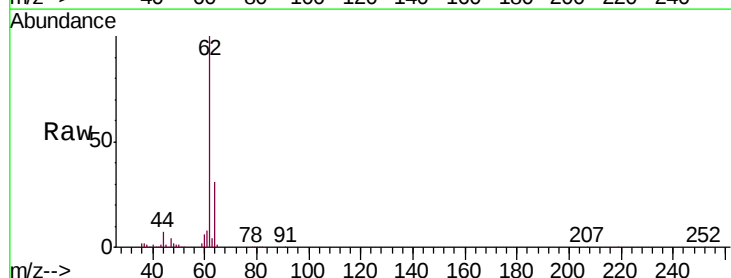
Acq: 22 Sep 2018 12:42

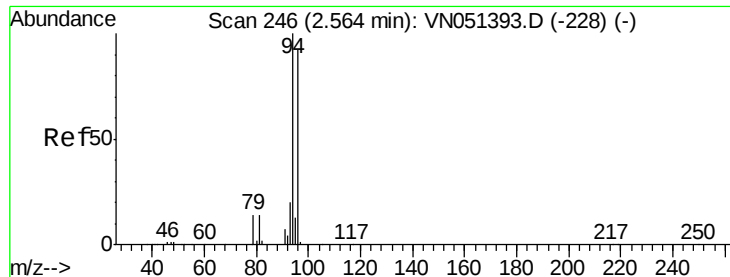
Tgt Ion: 62 Resp: 142674

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.8





#5

Bromomethane

Concen: 16.775 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

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VSTDIC020

Tgt Ion: 94 Resp: 84720

Ion Ratio Lower Upper

94 100

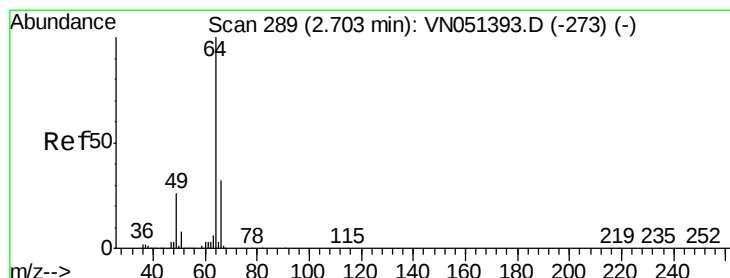
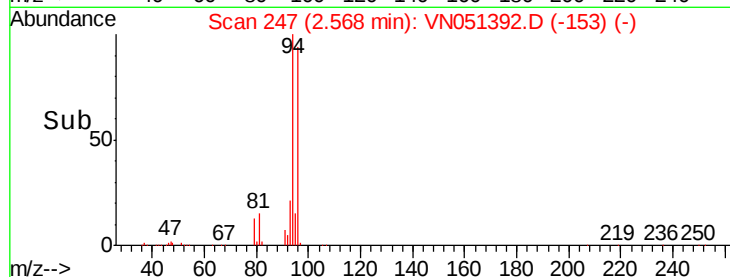
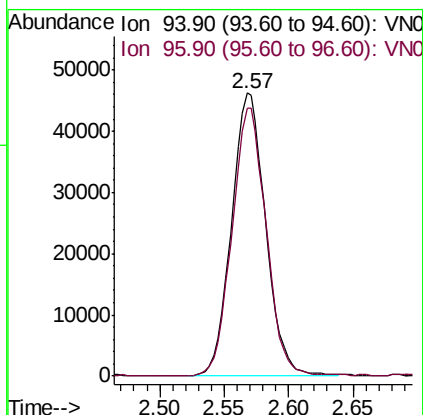
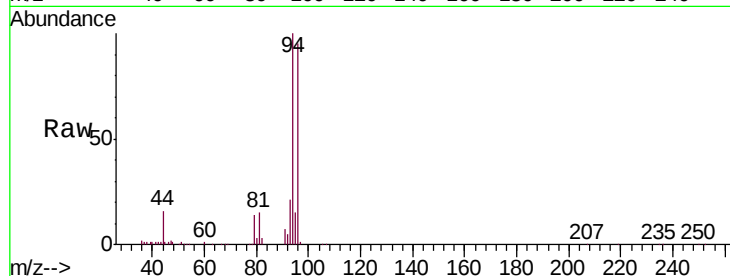
96 94.8 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 16.403 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051392.D

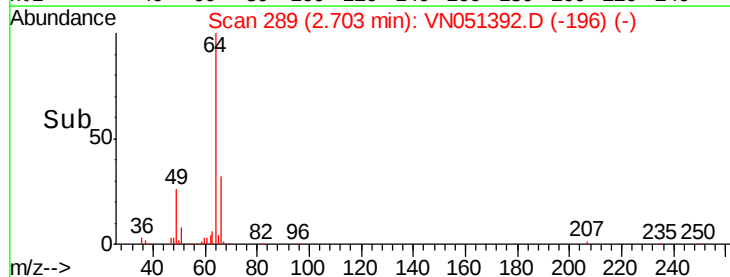
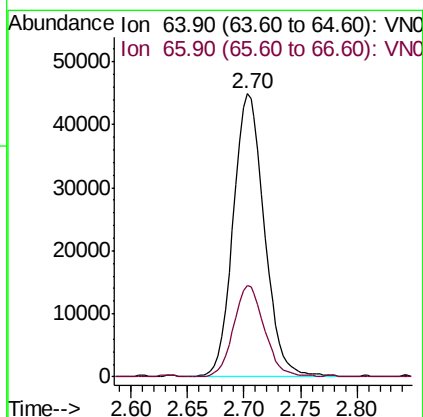
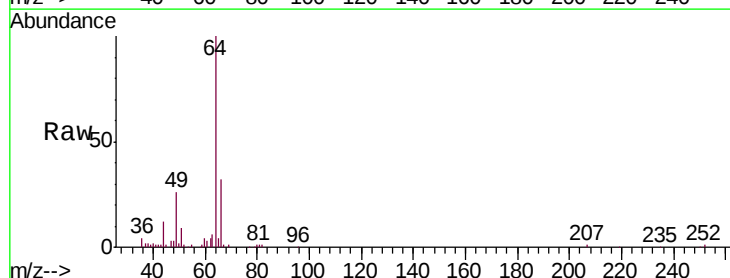
Acq: 22 Sep 2018 12:42

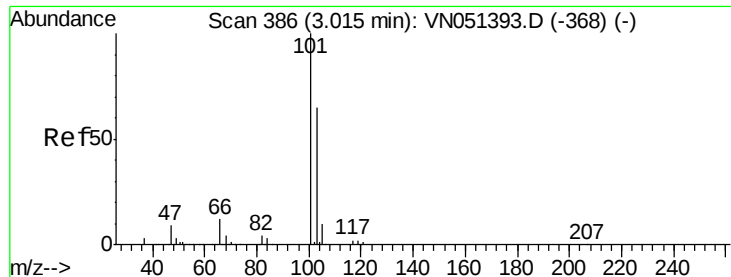
Tgt Ion: 64 Resp: 86340

Ion Ratio Lower Upper

64 100

66 32.3 25.9 38.9





#7

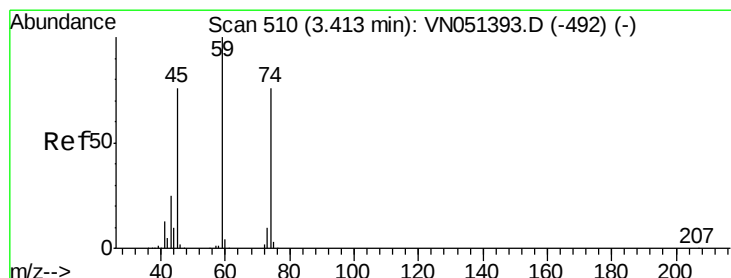
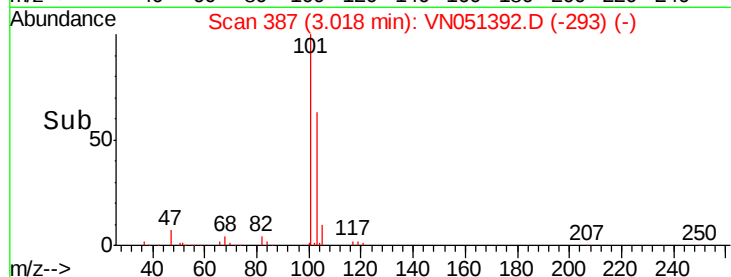
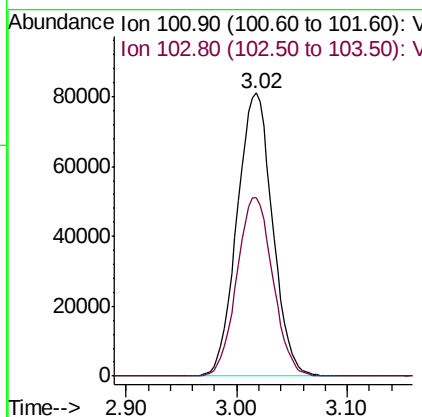
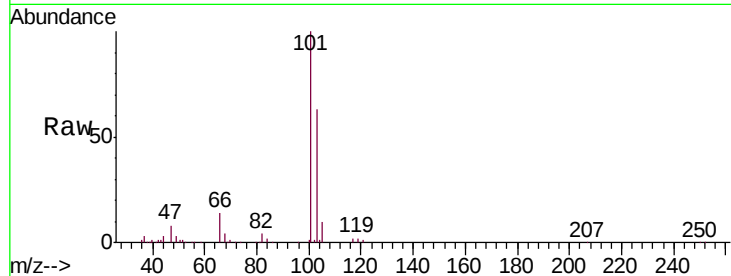
Trichlorofluoromethane
 Concen: 16.311 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.8

Manual Integrations
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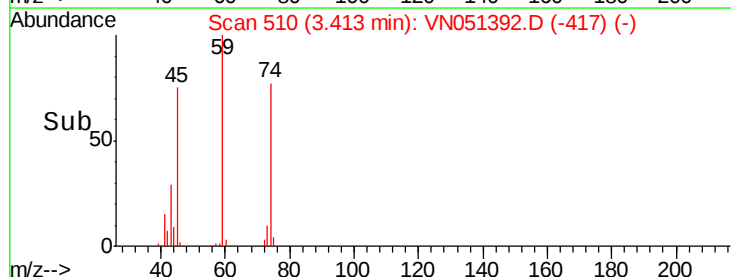
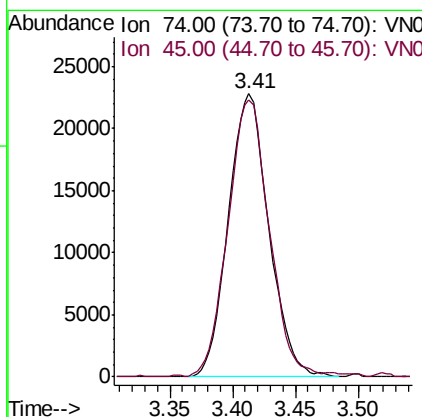
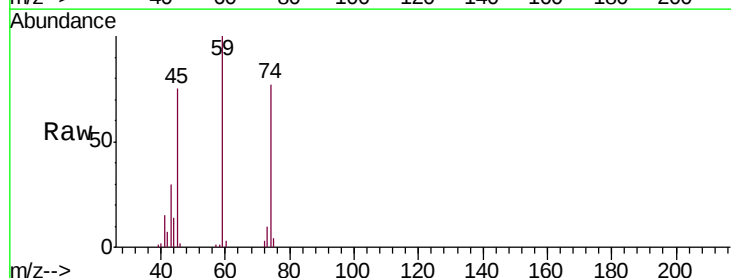
MMDadoda
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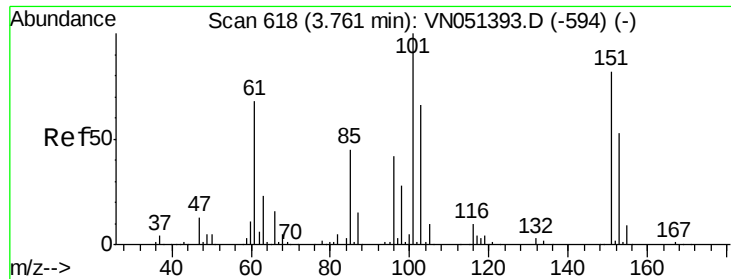


#8

Diethyl Ether
 Concen: 12.680 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	50.2	150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 15.131 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

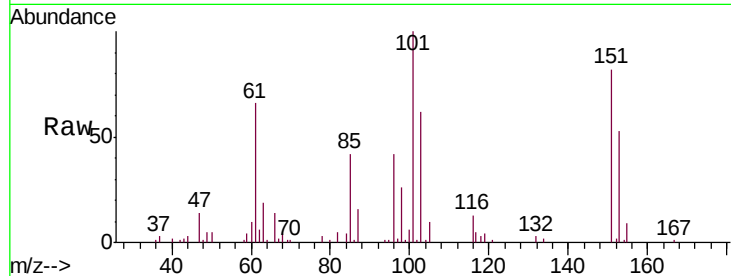
ClientSampleId :

VSTDIC020

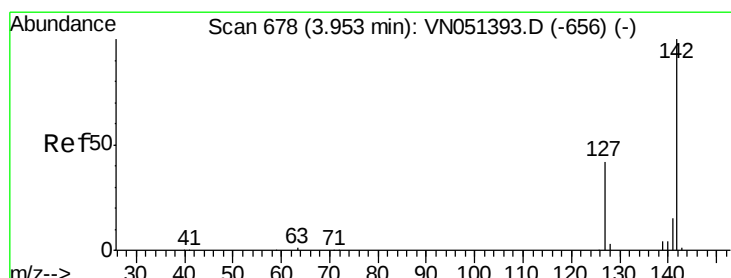
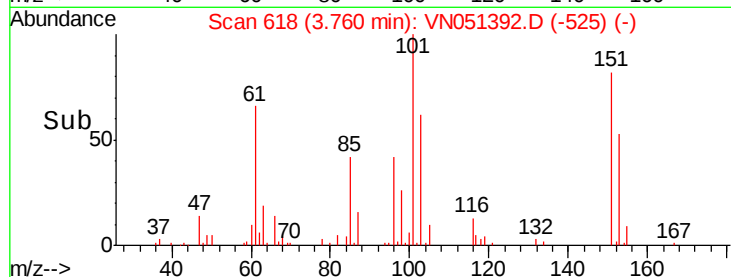
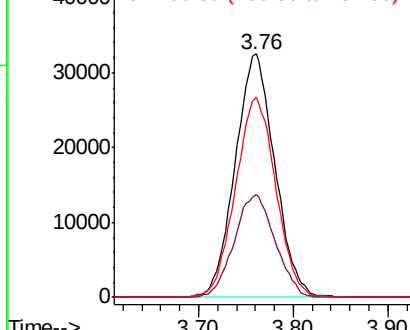
Tgt Ion:	101	Resp:	94485
Ion Ratio	Lower	Upper	
101	100		
85	43.5	33.9	50.9
151	83.5	65.2	97.8

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.707 ug/l

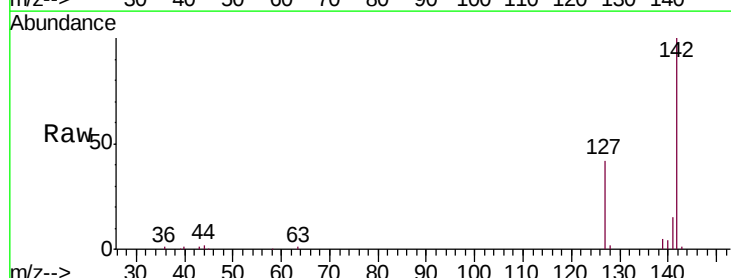
RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

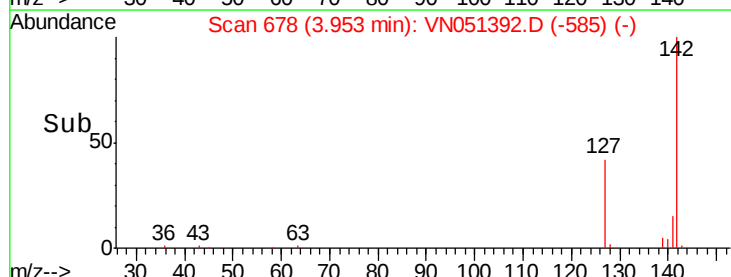
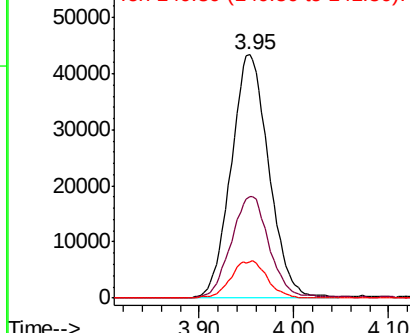
Lab File: VN051392.D

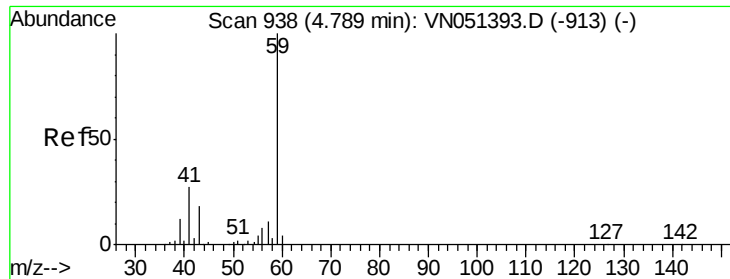
Acq: 22 Sep 2018 12:42

Tgt Ion:	142	Resp:	120374
Ion Ratio	Lower	Upper	
142	100		
127	42.2	33.2	49.8
141	14.8	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





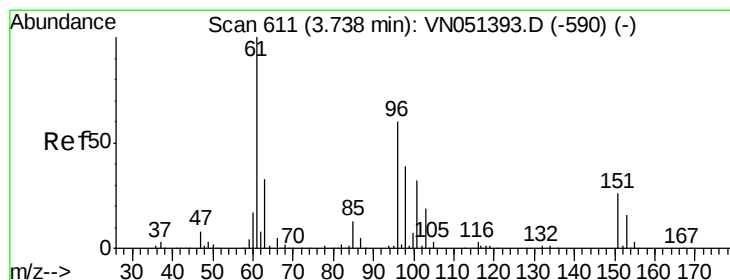
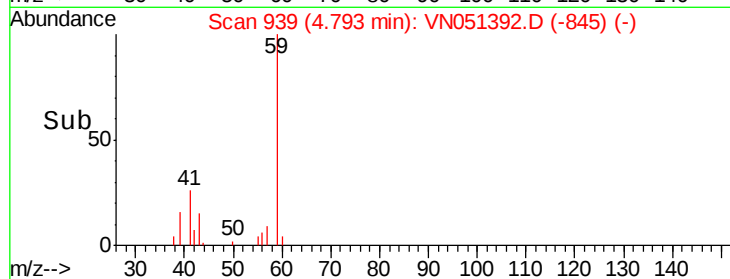
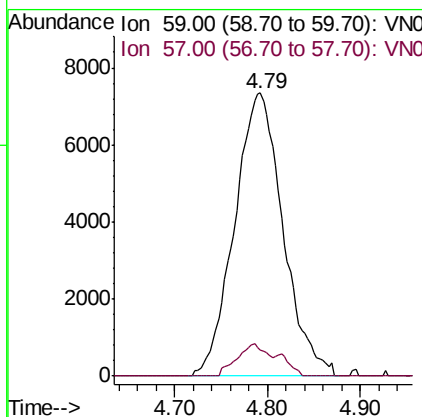
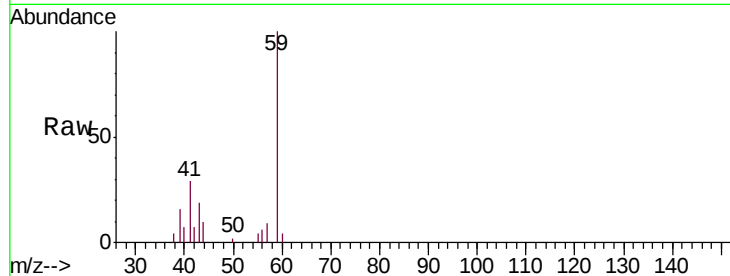
#11
Tert butyl alcohol
Concen: 73.278 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 59 Resp: 26664
Ion Ratio Lower Upper
59 100
57 7.1 6.2 9.2

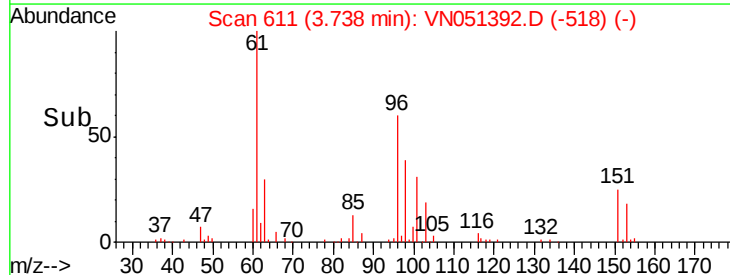
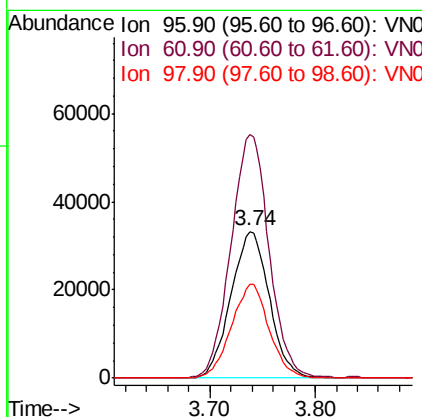
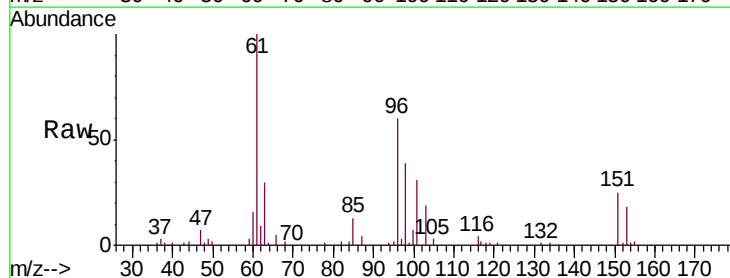
Manual Integrations
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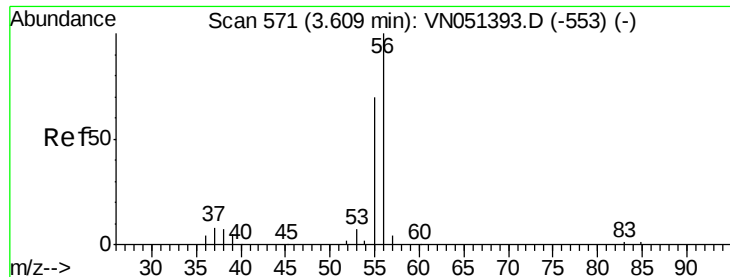
MMDadoda
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#12
1,1-Dichloroethene
Concen: 14.681 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 96 Resp: 84174
Ion Ratio Lower Upper
96 100
61 166.1 133.6 200.4
98 64.0 52.2 78.2





#13

Acrolein

Concen: 68.698 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tgt Ion: 56 Resp: 24854

Ion Ratio Lower Upper

56 100

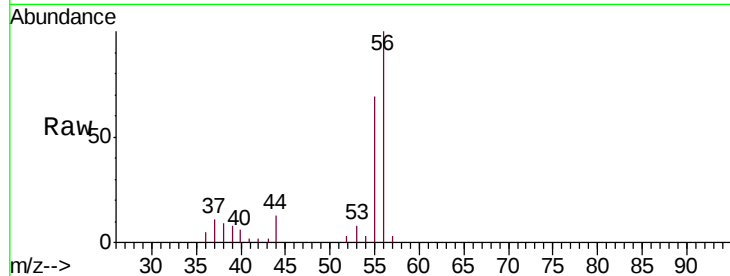
55 69.0 57.8 86.8

Manual Integrations

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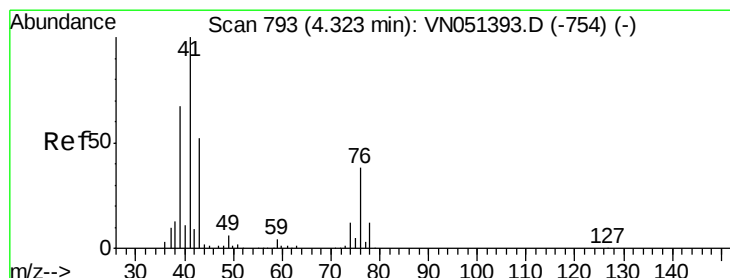
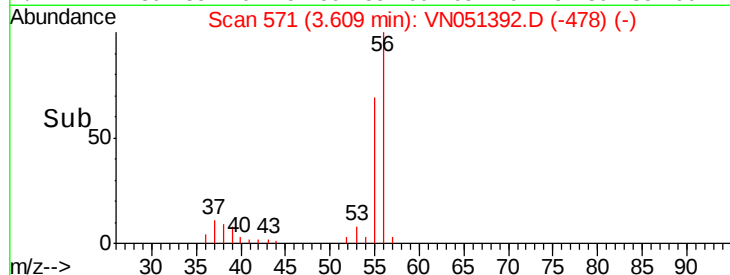
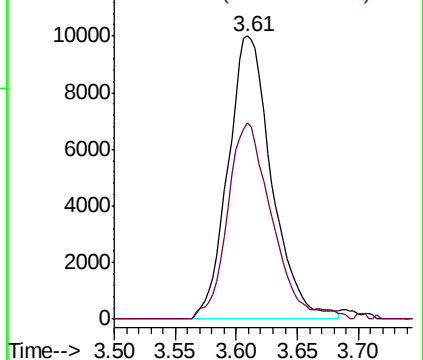
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 14.782 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

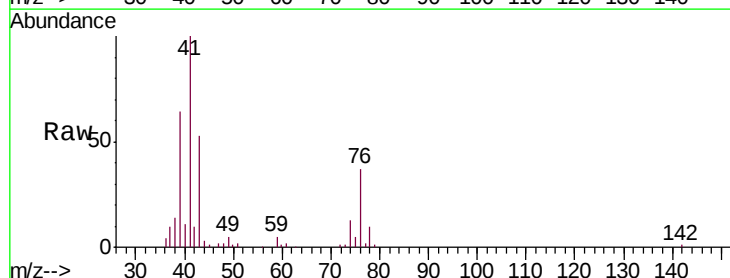
Tgt Ion: 41 Resp: 142206

Ion Ratio Lower Upper

41 100

39 62.2 51.4 77.2

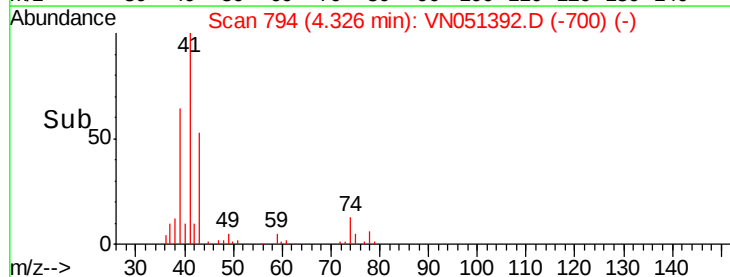
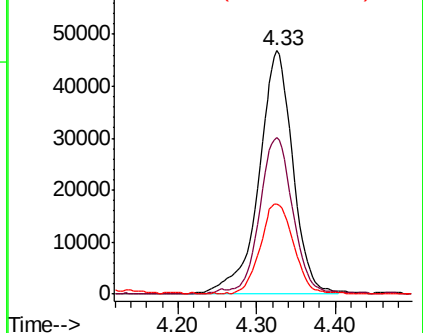
76 35.5 28.1 42.1

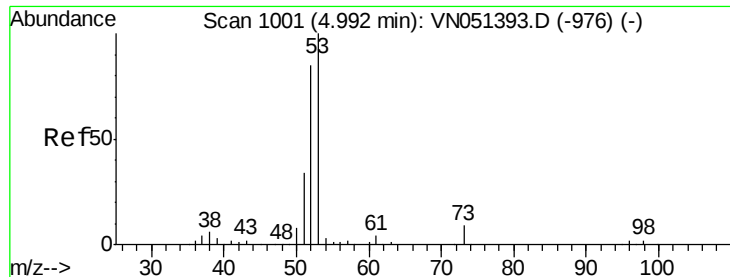


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 76.432 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

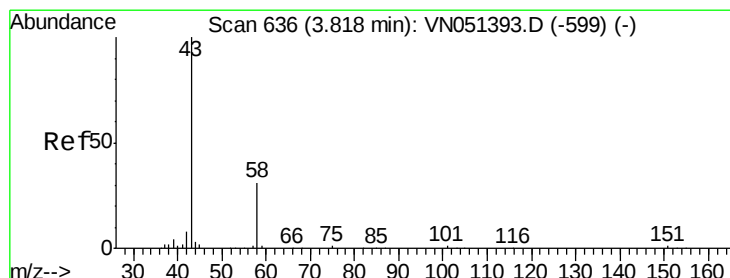
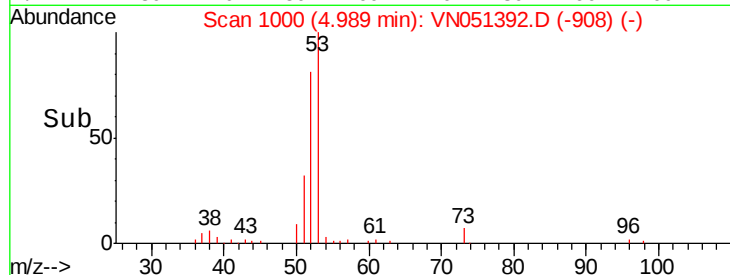
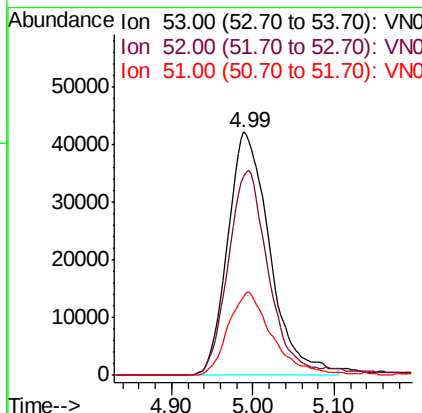
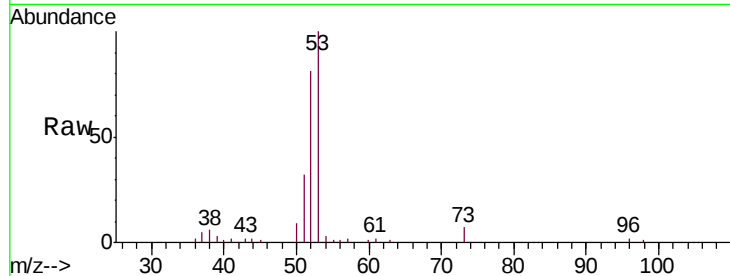
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	151483
Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.2	99.2
51	35.4	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 58.966 ug/l

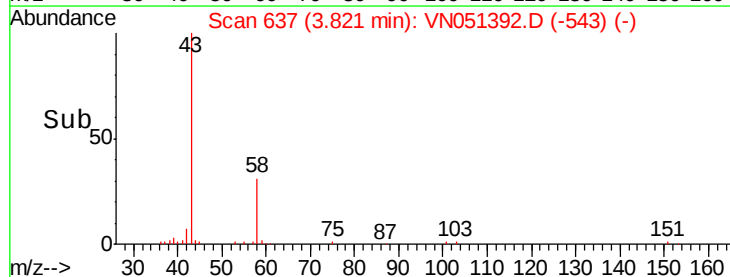
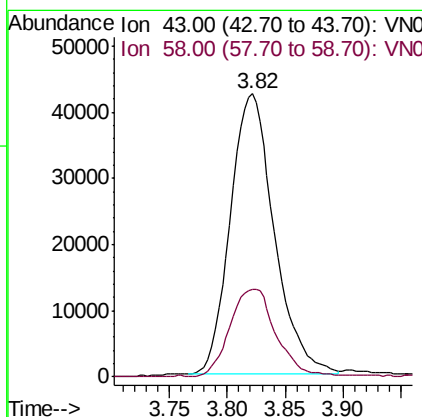
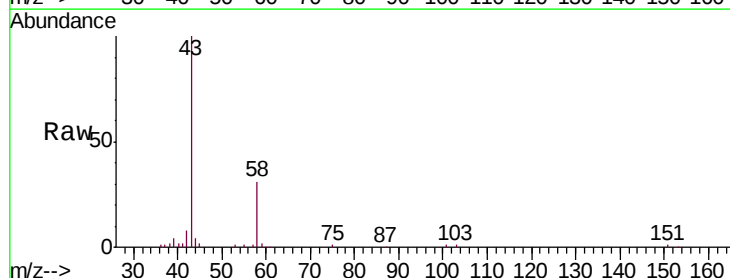
RT: 3.82 min Scan# 637

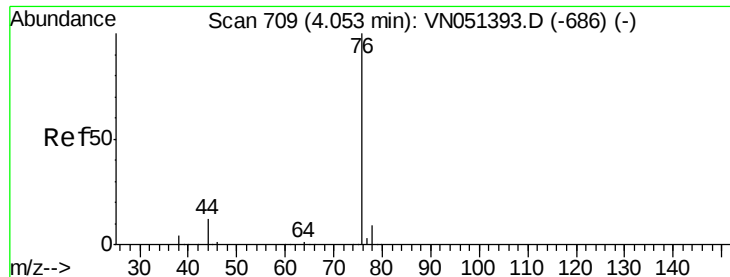
Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion:	43	Resp:	110964
Ion	Ratio	Lower	Upper
43	100		
58	31.1	25.0	37.4





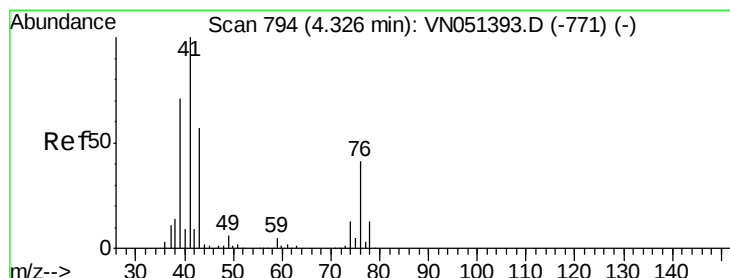
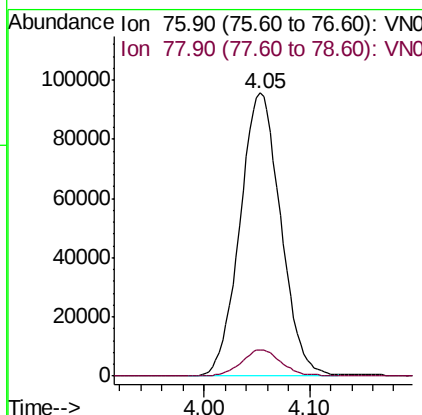
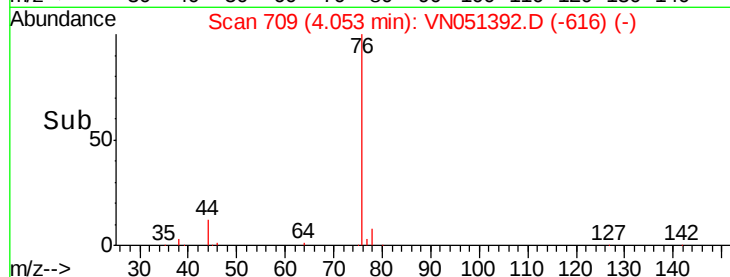
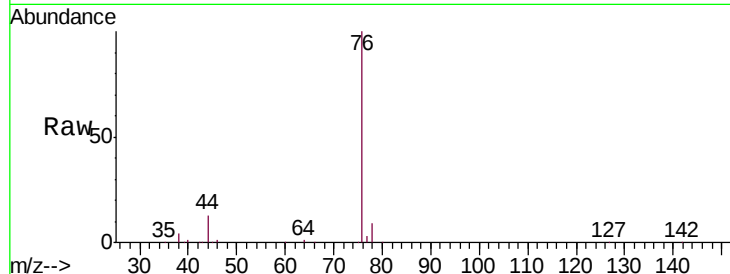
#17
Carbon Disulfide
Concen: 15.280 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 76 Resp: 257397
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

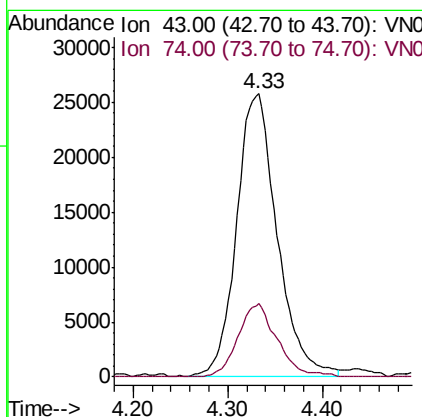
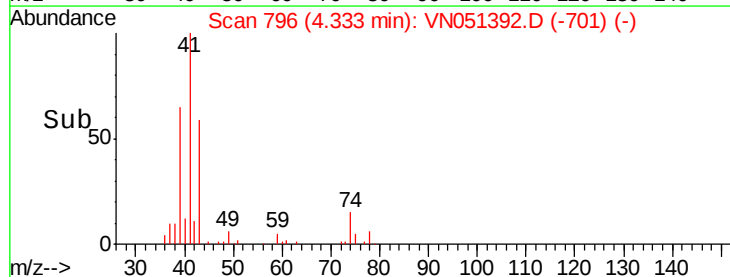
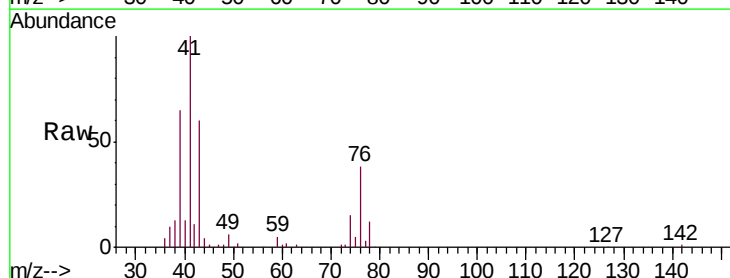
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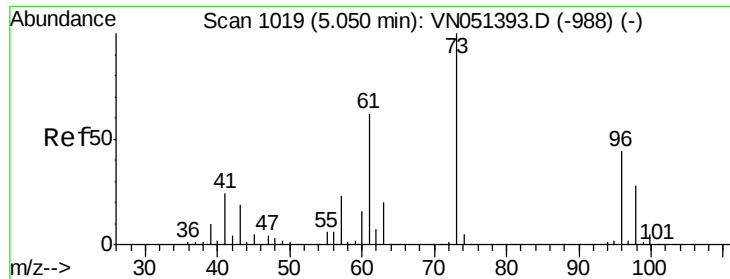
MMDadoda
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#18
Methyl Acetate
Concen: 15.670 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 43 Resp: 77044
Ion Ratio Lower Upper
43 100
74 24.8 18.8 28.2





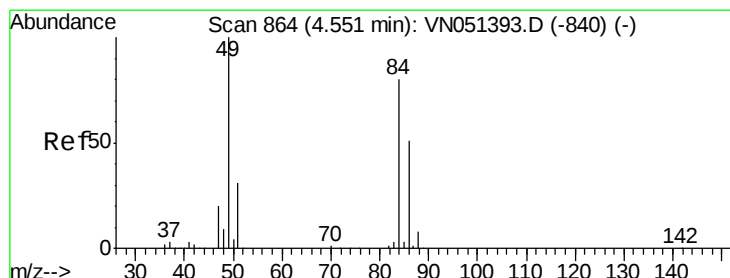
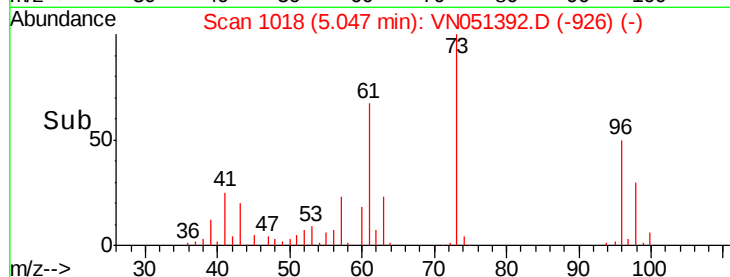
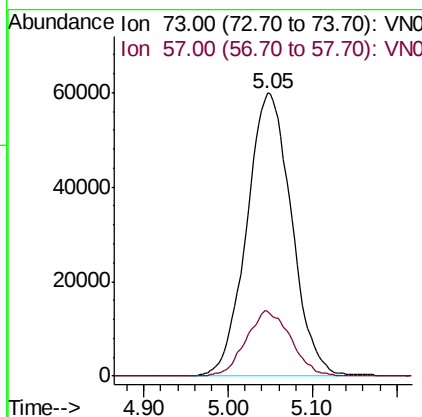
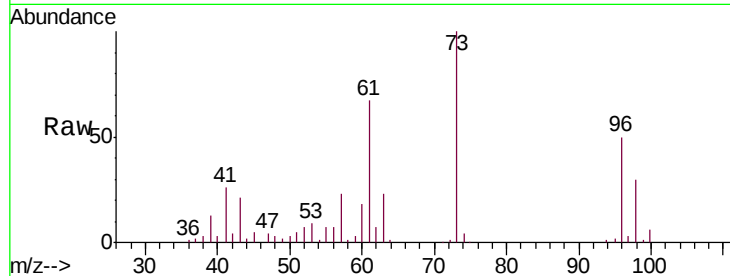
#19
Methyl tert-butyl Ether
Concen: 14.882 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 220034
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5

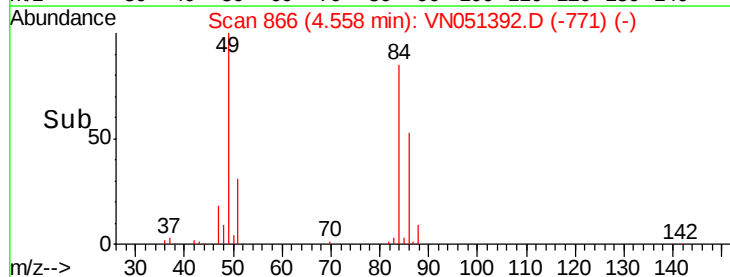
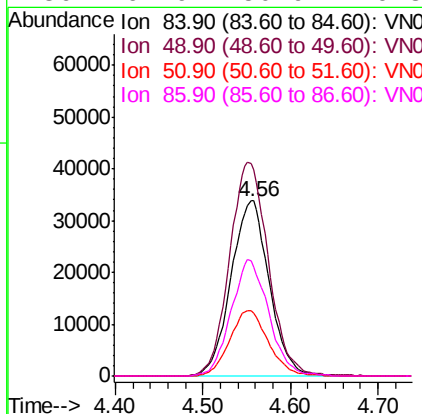
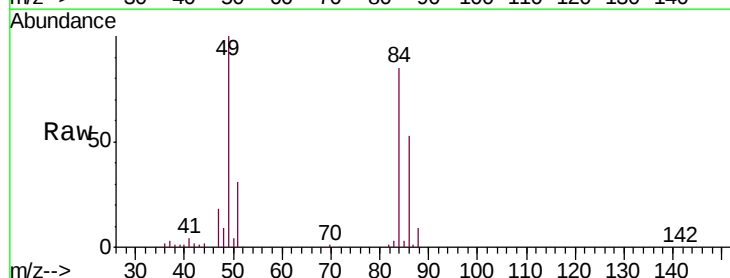
Manual Integrations
APPROVED

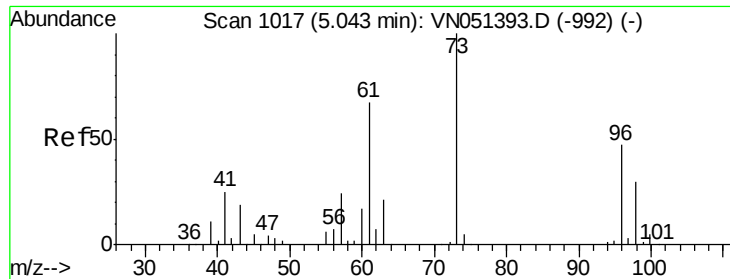
MMDadoda
9/24/2018 2:15:18 PM



#20
Methylene Chloride
Concen: 16.070 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 84 Resp: 102659
Ion Ratio Lower Upper
84 100
49 117.7 99.9 149.9
51 36.1 31.4 47.2
86 61.9 50.9 76.3





#21

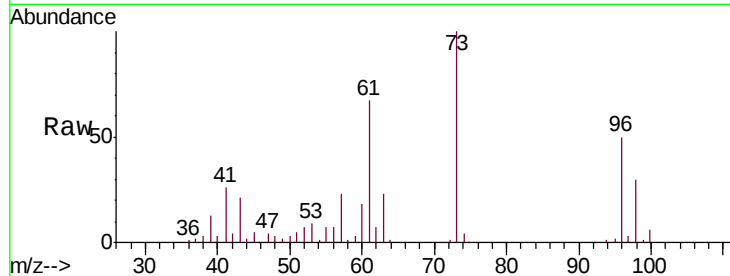
trans-1,2-Dichloroethene
Concen: 16.209 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.4	113.4	170.2
98	59.8	51.1	76.7

Manual Integrations
APPROVED

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9/24/2018 2:15:18 PM

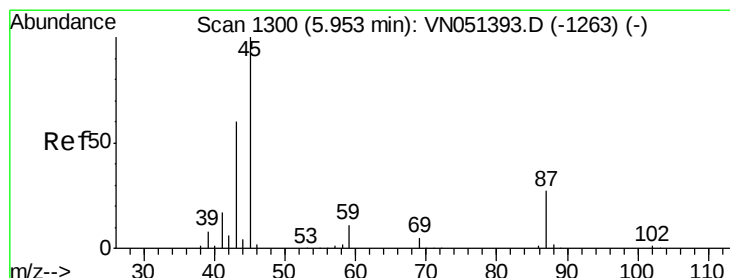
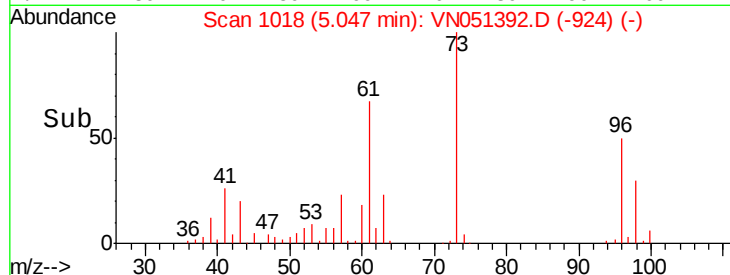
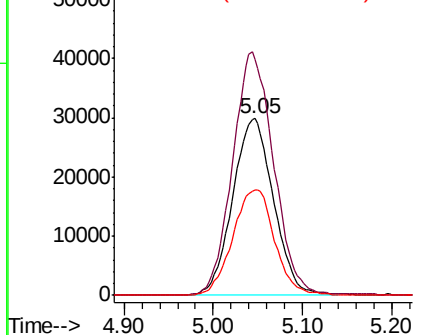


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 16.487 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.9	47.7	71.5
87	26.0	22.0	33.0
59	12.0	9.3	13.9

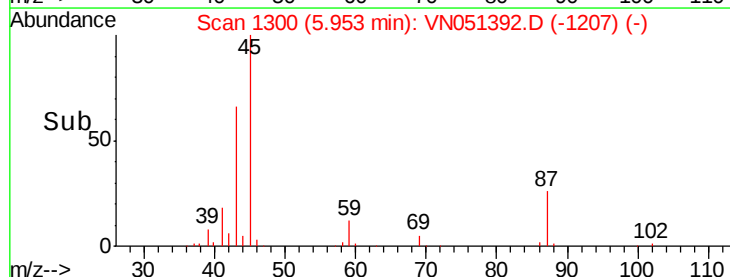
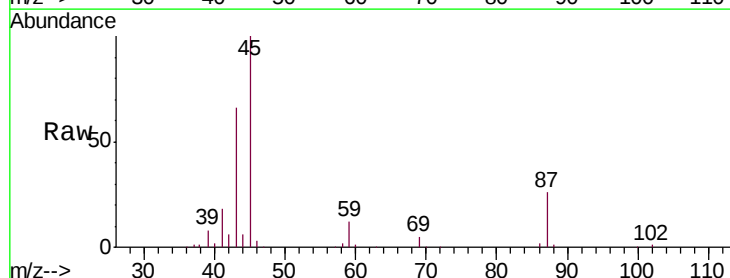
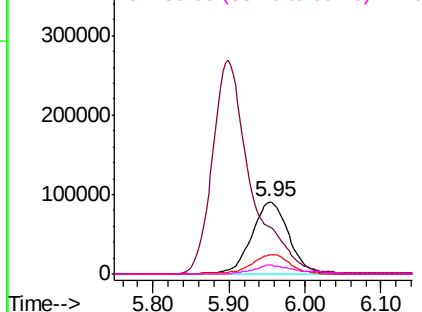
Abundance

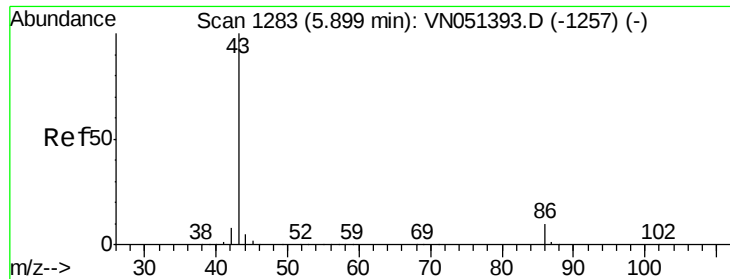
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





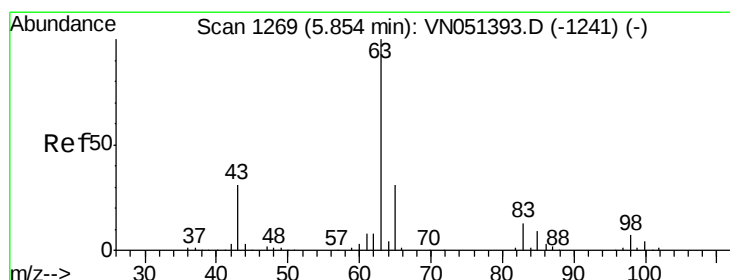
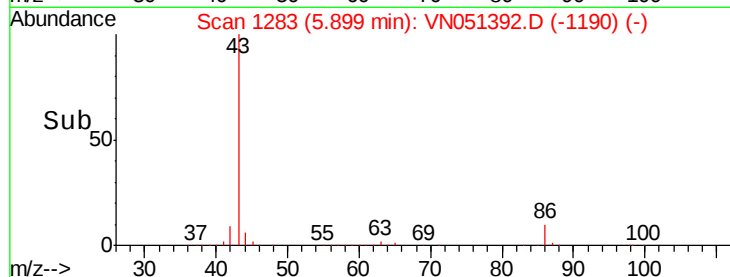
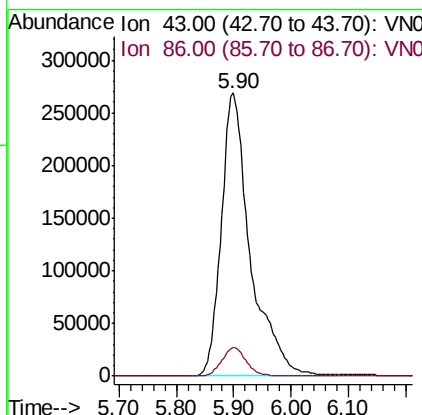
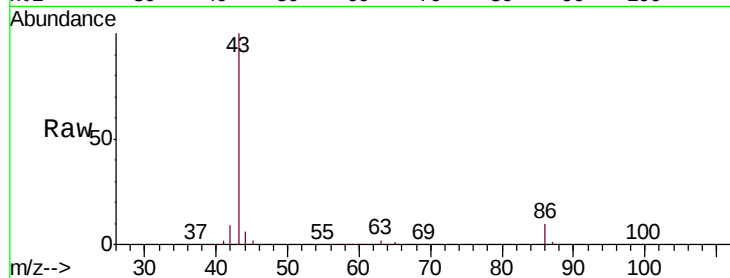
#23
 Vinyl Acetate
 Concen: 77.882 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.2	12.2

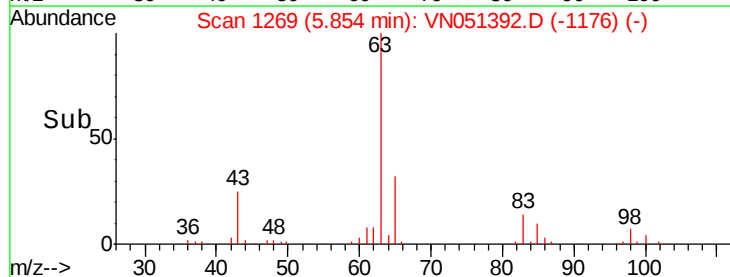
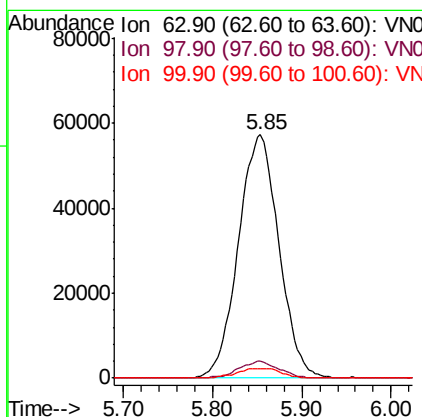
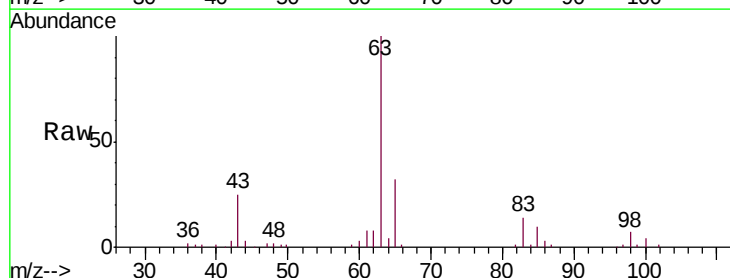
Manual Integrations
 APPROVED

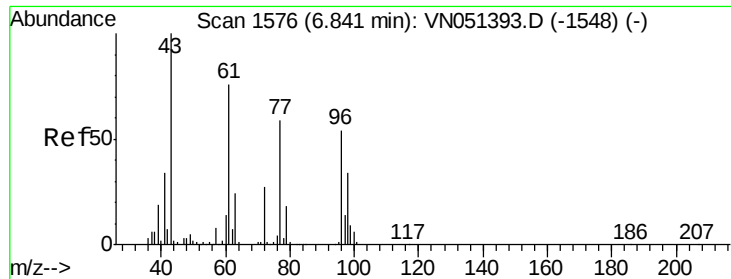
MMDadoda
 9/24/2018 2:15:18 PM



#24
 1,1-Dichloroethane
 Concen: 16.290 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.4	10.1
100	3.8	2.2	6.6





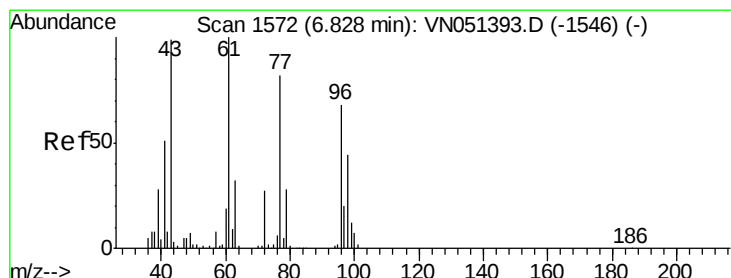
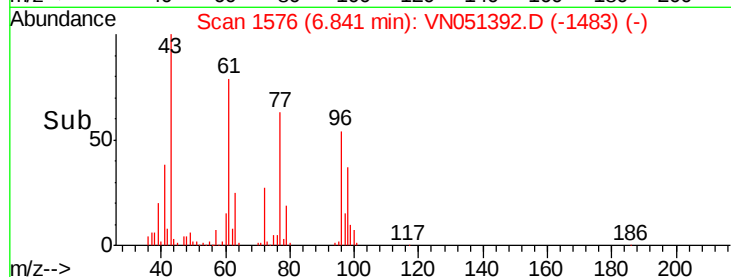
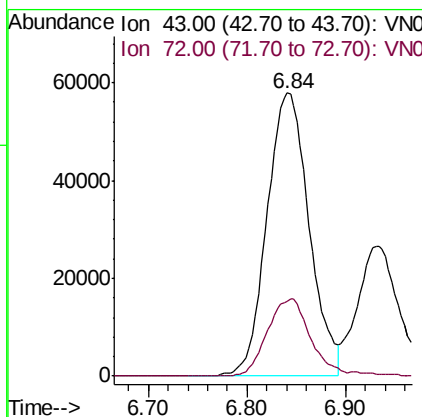
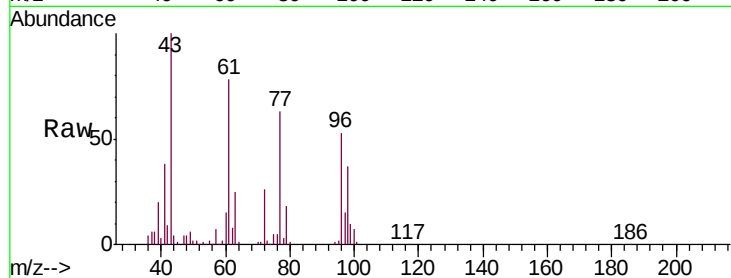
#25
2-Butanone
Concen: 77.886 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 43 Resp: 172094
Ion Ratio Lower Upper
43 100
72 26.5 21.8 32.6

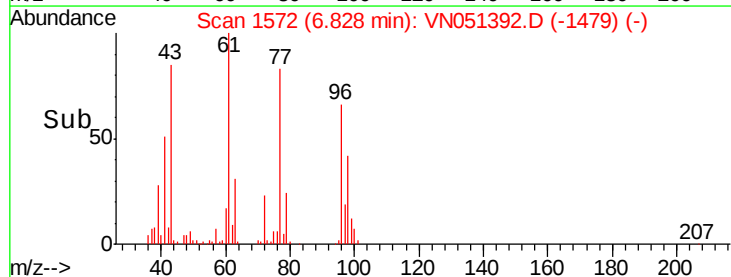
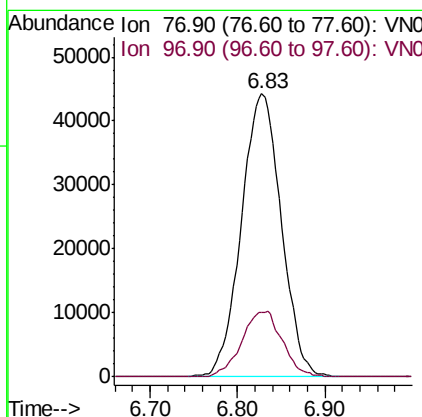
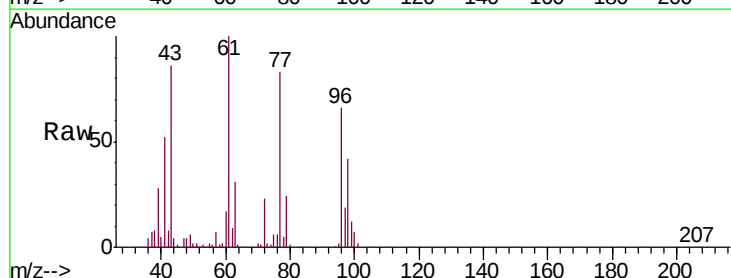
Manual Integrations
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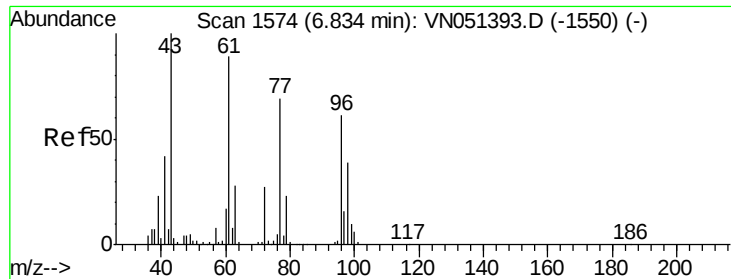
MMDadoda
9/24/2018 2:15:18 PM



#26
2,2-Dichloropropane
Concen: 16.165 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 77 Resp: 140000
Ion Ratio Lower Upper
77 100
97 23.6 11.9 35.5





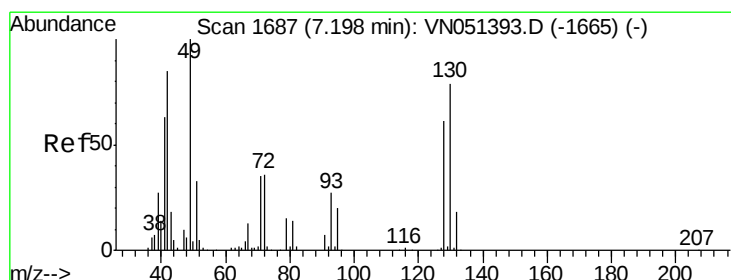
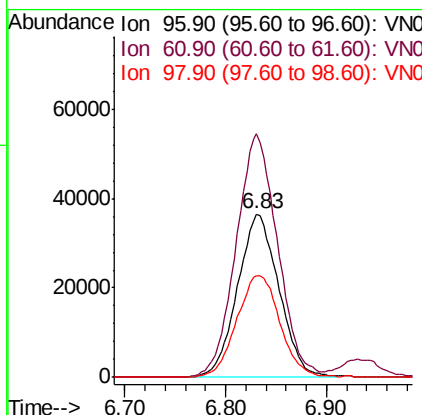
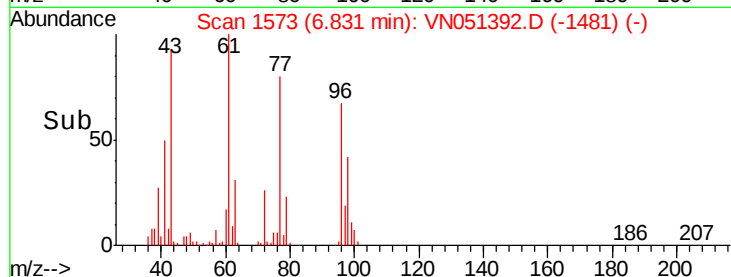
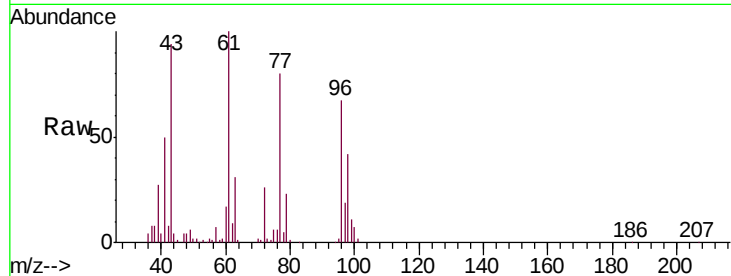
#27
 cis-1,2-Dichloroethene
 Concen: 16.203 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	104284		
61	148.8	0.0	291.4	
98	64.7	0.0	128.4	

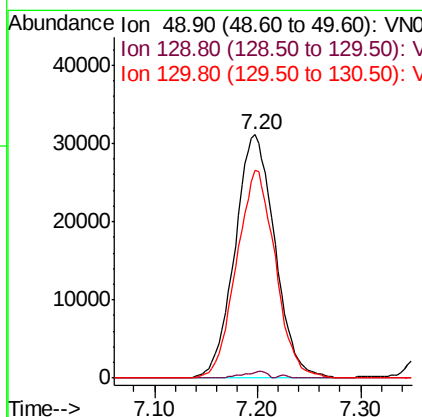
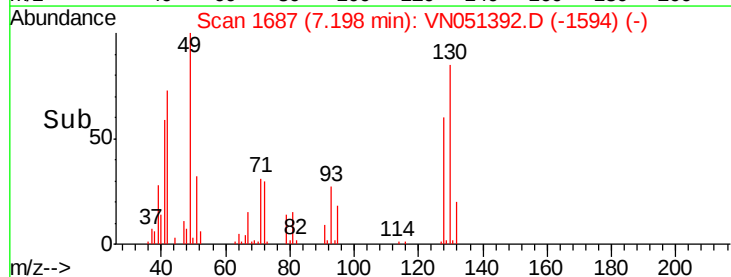
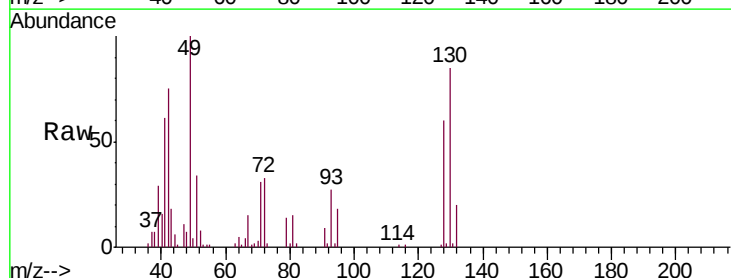
Manual Integrations
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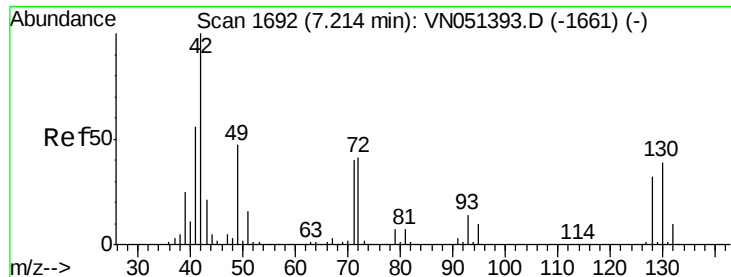
MMDadoda
 9/24/2018 2:15:18 PM



#28
 Bromochloromethane
 Concen: 16.390 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83977		
129	1.6	0.0	3.8	
130	82.9	63.0	94.4	





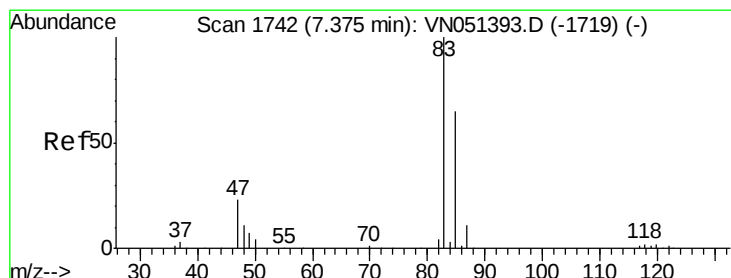
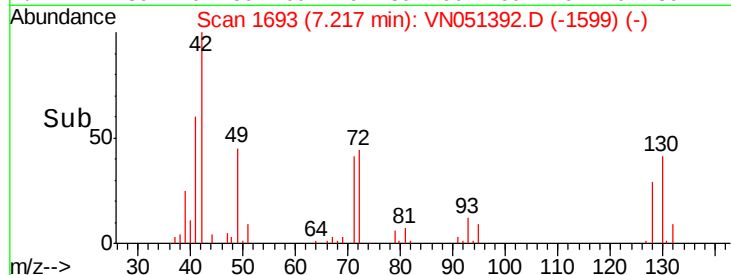
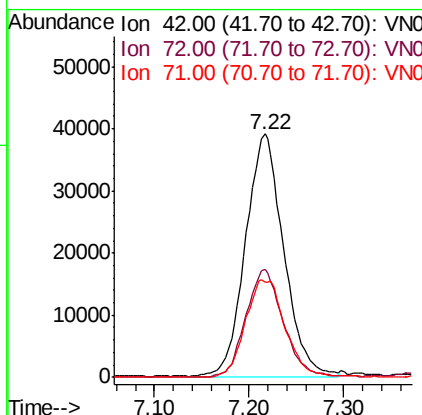
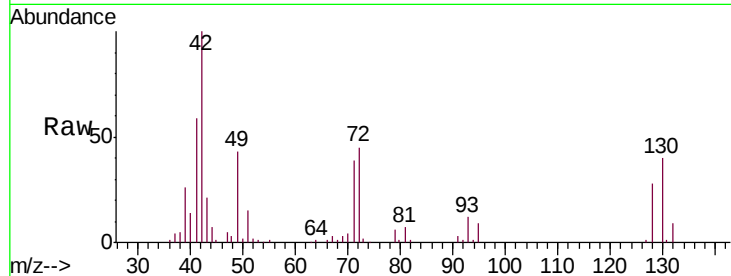
#29
Tetrahydrofuran
Concen: 77.934 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.1	34.3	51.5
71	41.6	32.2	48.4

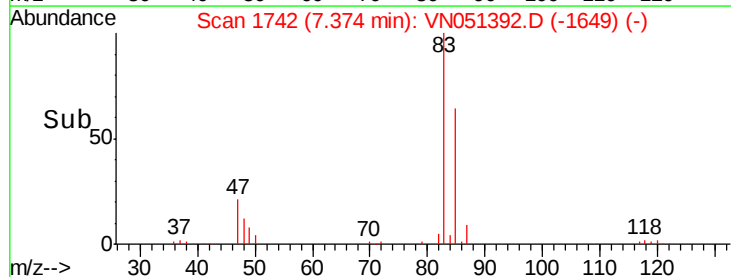
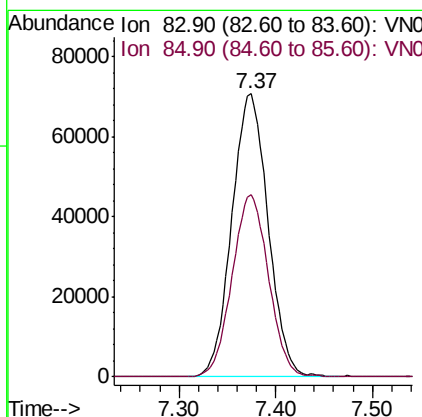
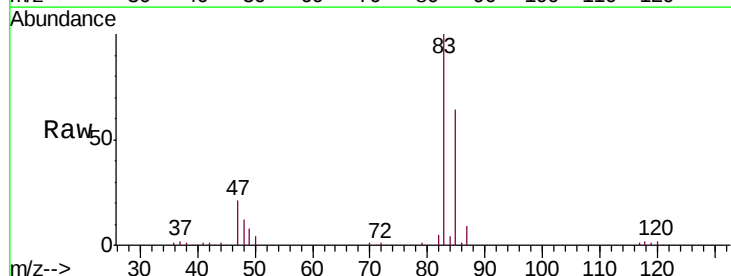
Manual Integrations
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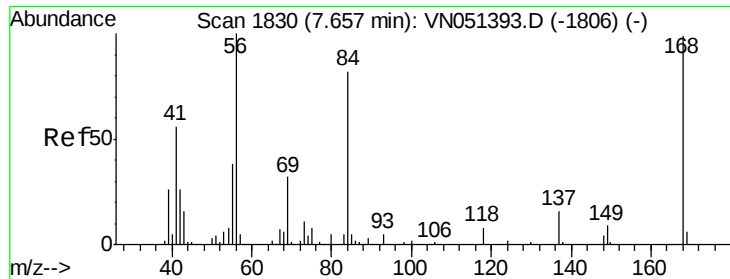
MMDadoda
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#30
Chloroform
Concen: 16.774 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6





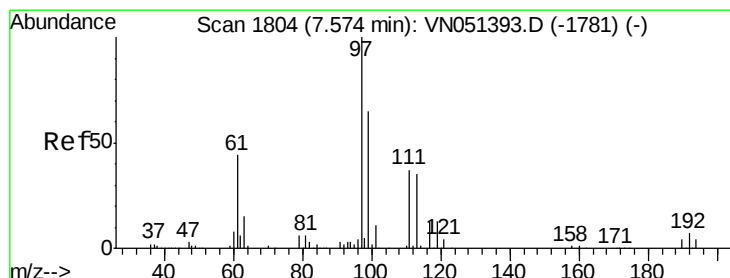
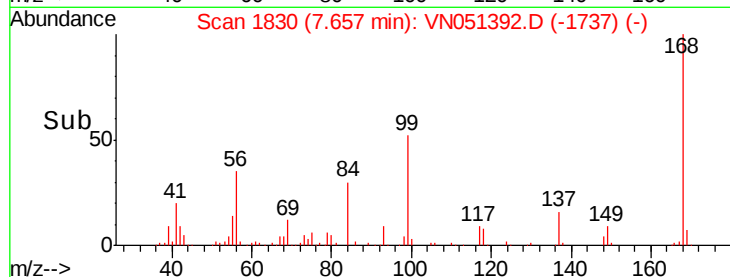
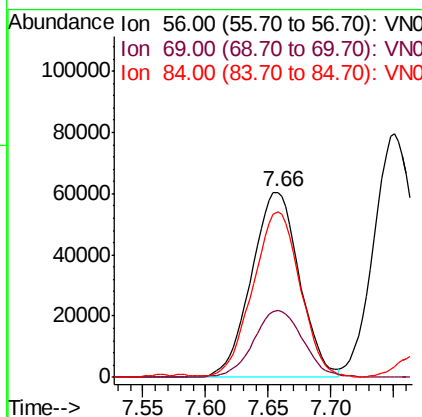
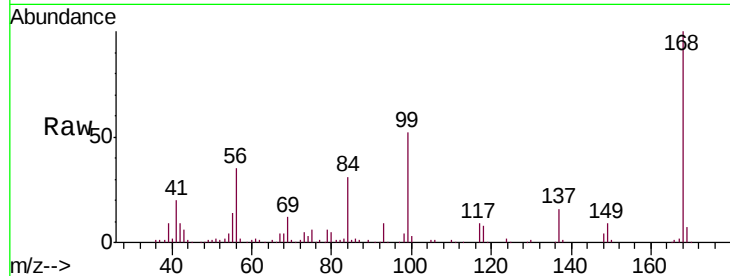
#31
Cyclohexane
Concen: 15.875 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.0	25.8	38.6
84	88.2	66.0	99.0

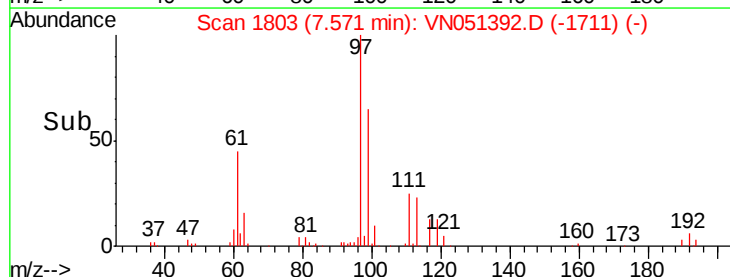
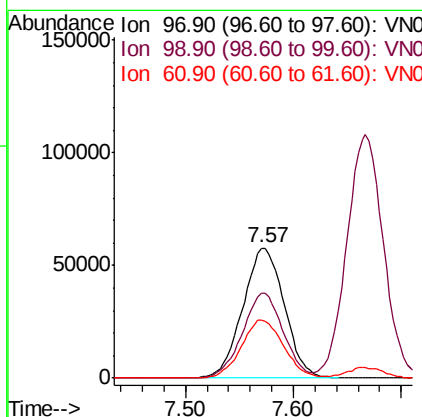
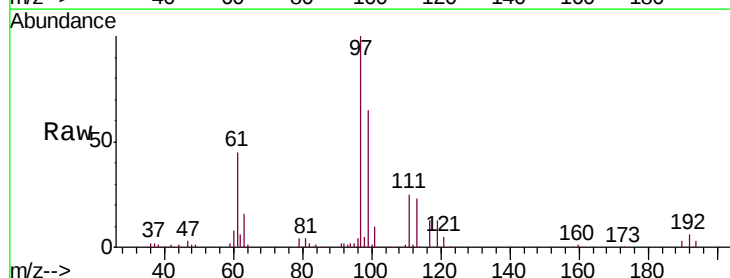
Manual Integrations
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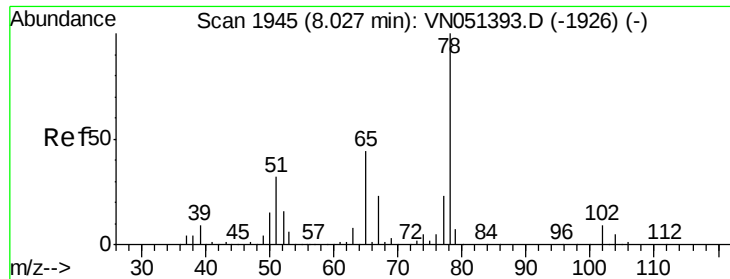
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#32
1,1,1-Trichloroethane
Concen: 16.436 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	45.5	35.8	53.8





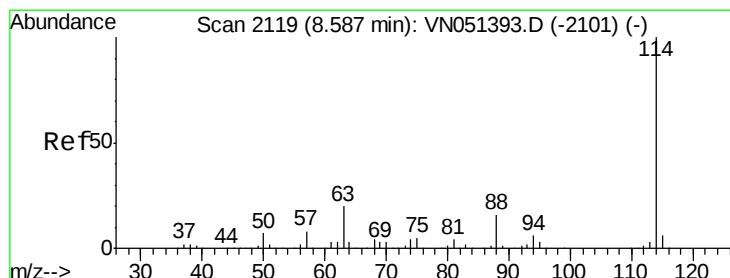
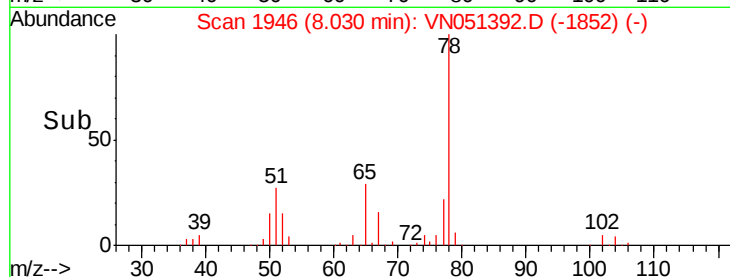
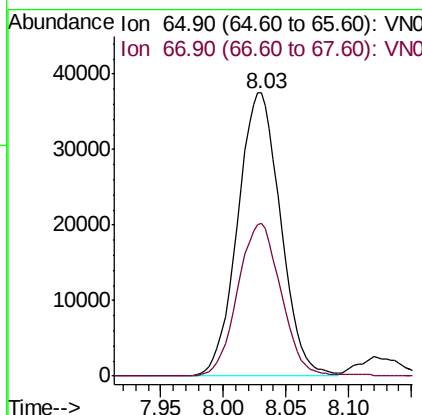
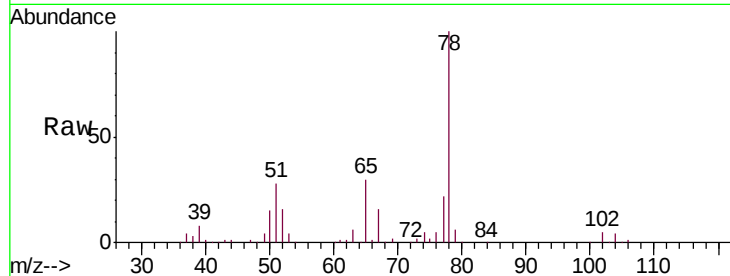
#33
 1,2-Dichloroethane-d4
 Concen: 13.827 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	89258		
67	54.2	0.0	107.8	

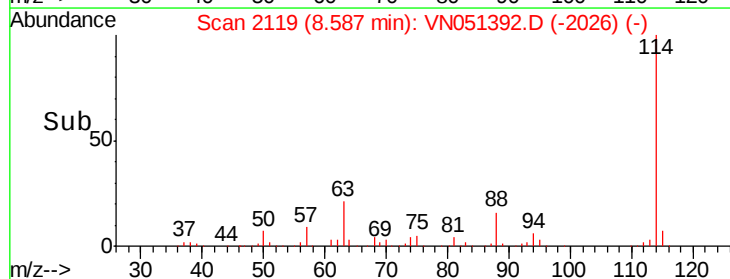
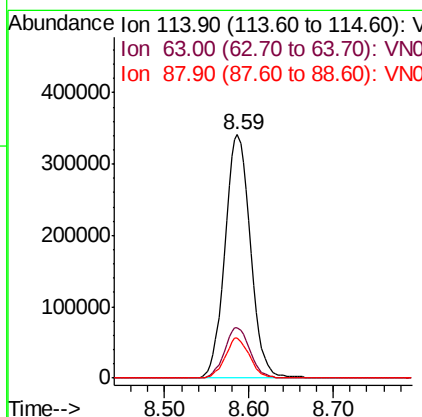
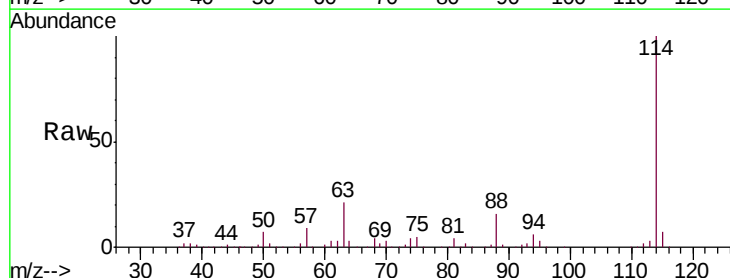
Manual Integrations
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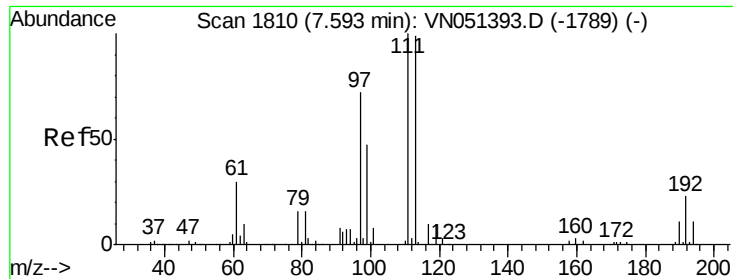
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	718660		
63	20.7	0.0	40.2	
88	16.4	0.0	31.4	





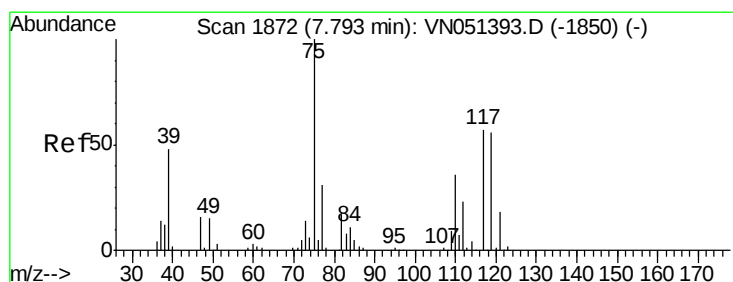
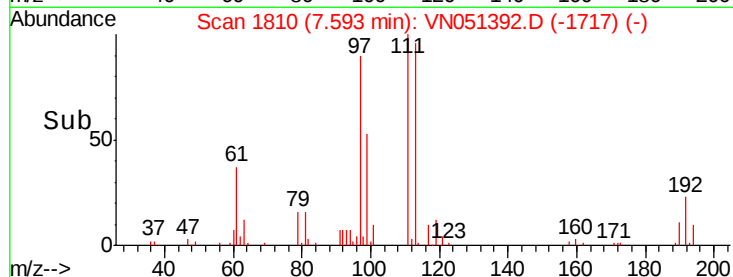
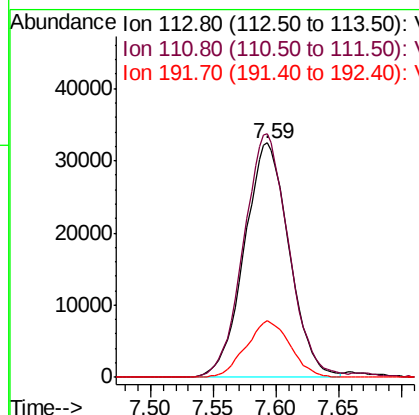
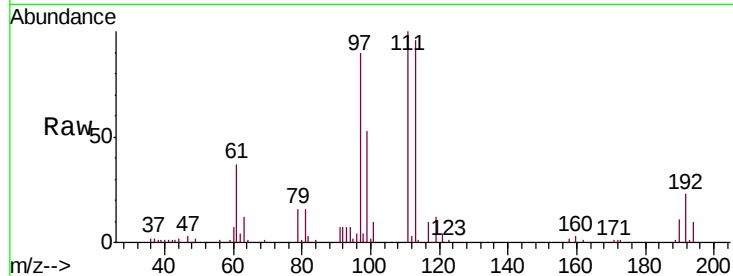
#35
 Dibromofluoromethane
 Concen: 14.077 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	80899		
111	104.2	82.6	123.8	
192	23.7	18.0	27.0	

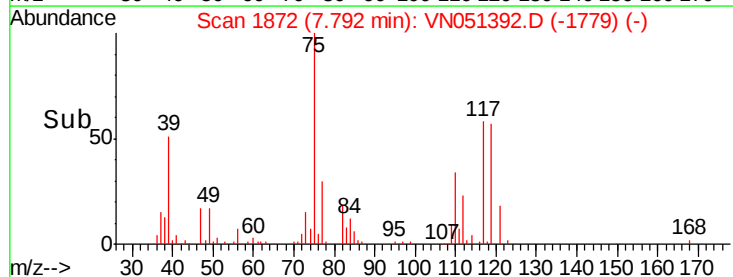
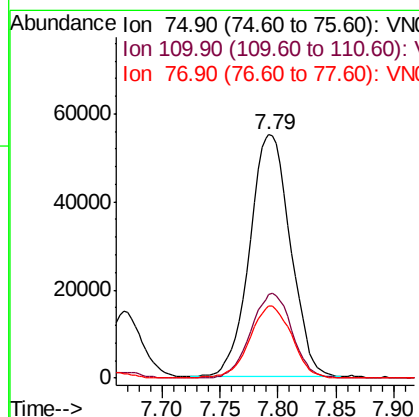
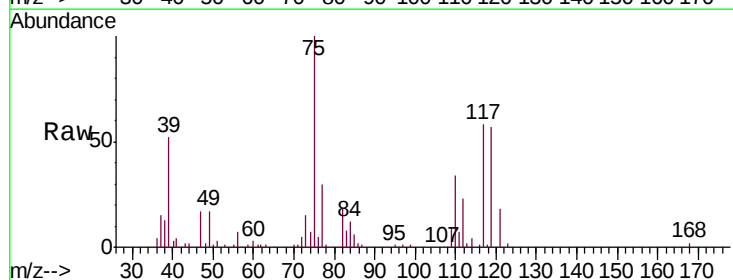
Manual Integrations
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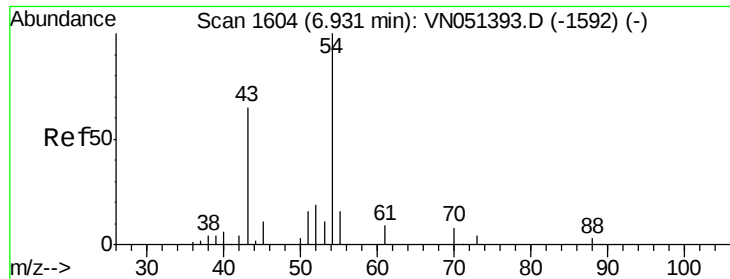
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 9/24/2018 2:15:18 PM



#36
 1,1-Dichloropropene
 Concen: 16.200 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	134821		
110	35.1	18.1	54.3	
77	30.7	25.6	38.4	





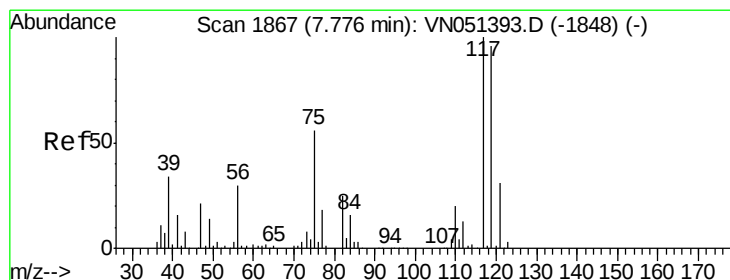
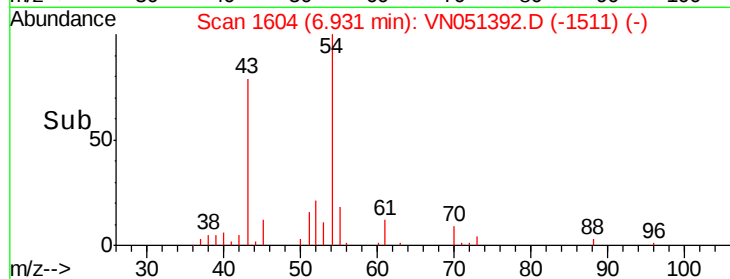
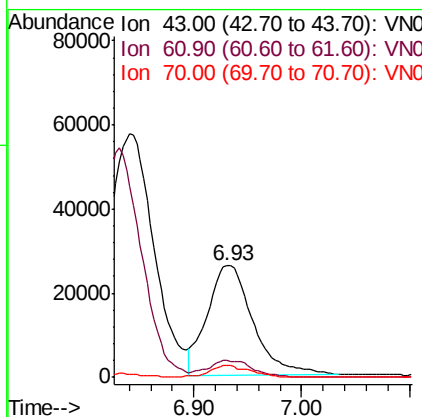
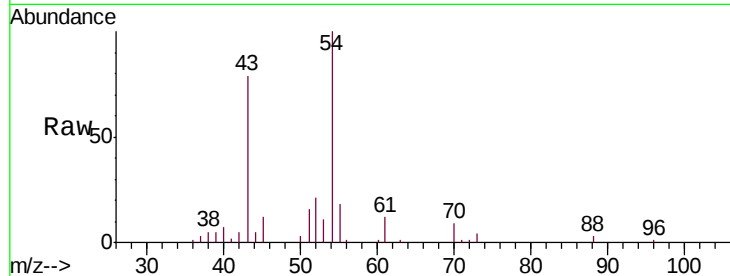
#37
Ethyl Acetate
Concen: 16.004 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.5	17.3
70	9.8	7.9	11.9

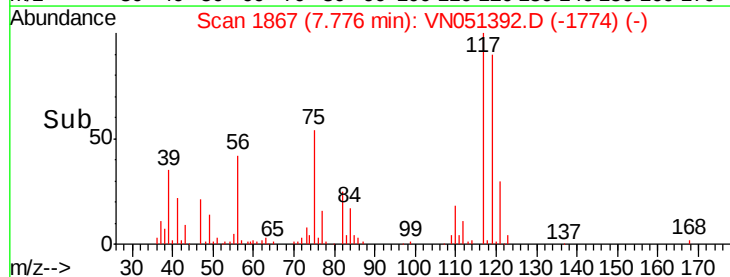
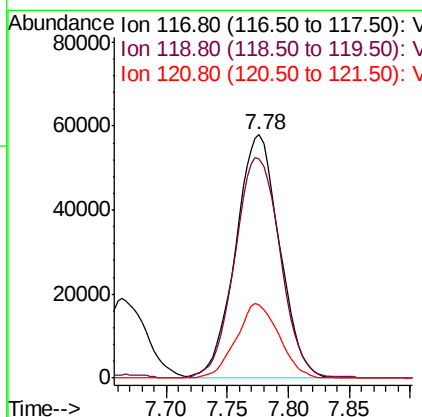
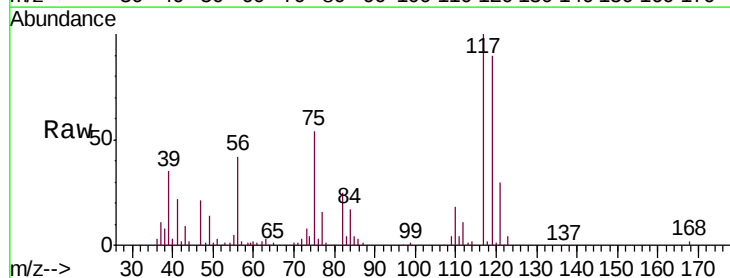
Manual Integrations
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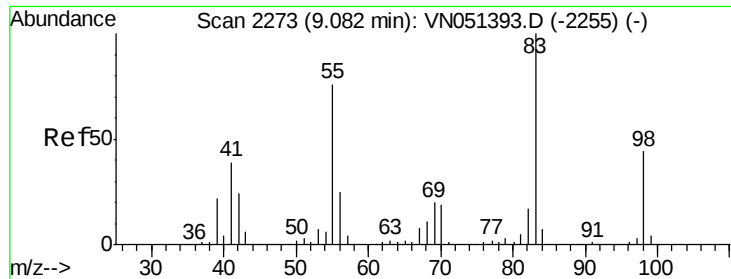
MMDadoda
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#38
Carbon Tetrachloride
Concen: 16.542 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.8	76.9	115.3
121	29.9	24.6	37.0





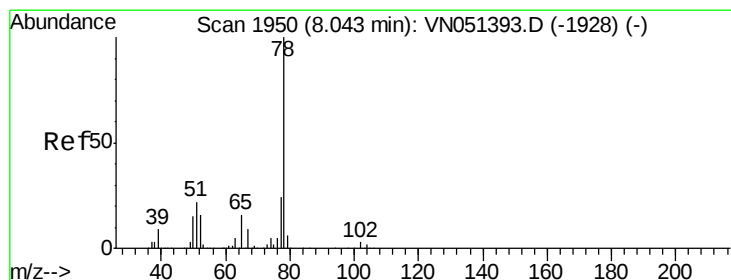
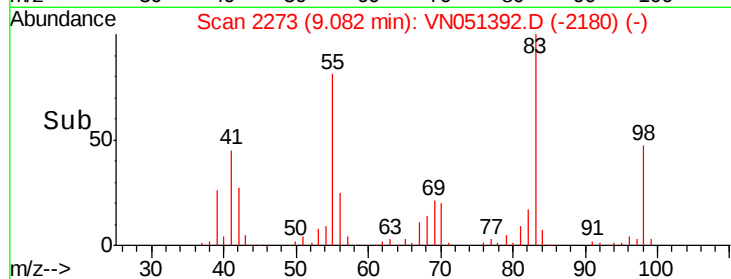
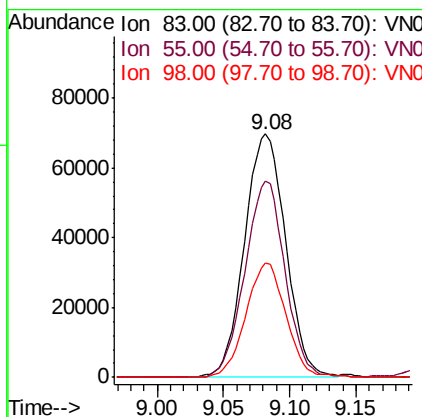
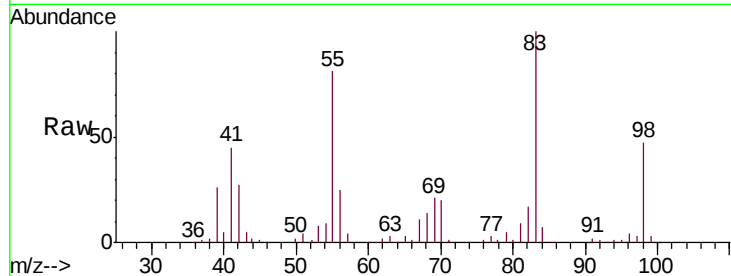
#39
Methylcyclohexane
Concen: 15.477 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.9	61.0	91.4
98	47.1	35.6	53.4

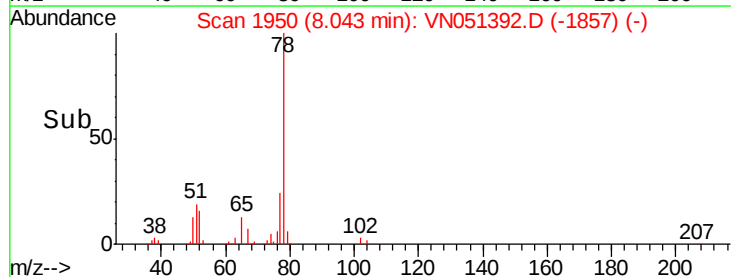
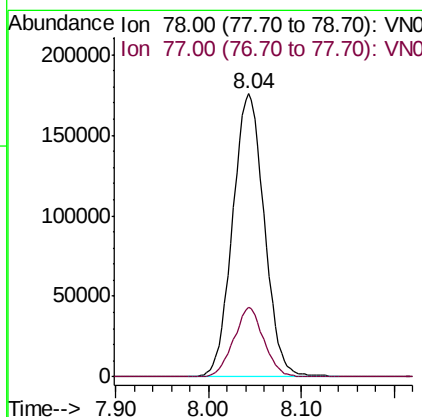
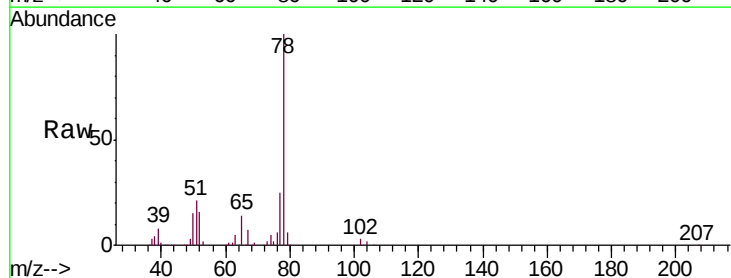
Manual Integrations
APPROVED

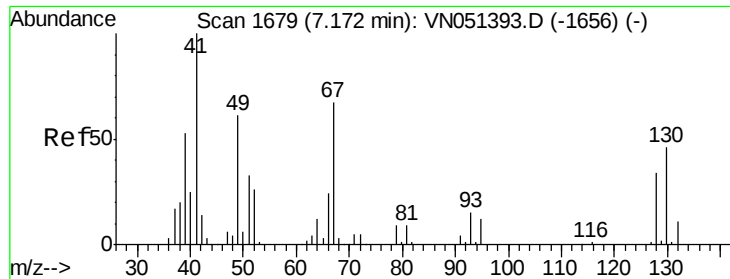
MMDadoda
9/24/2018 2:15:18 PM



#40
Benzene
Concen: 17.035 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





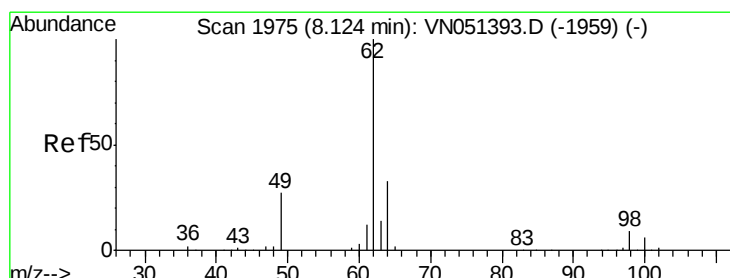
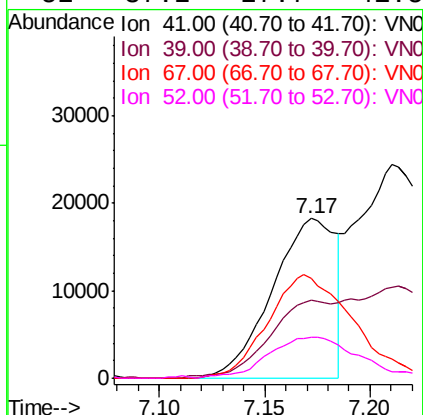
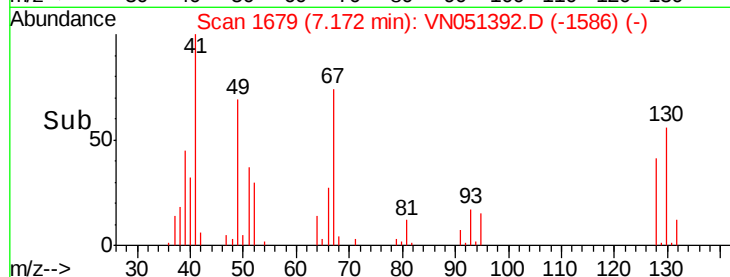
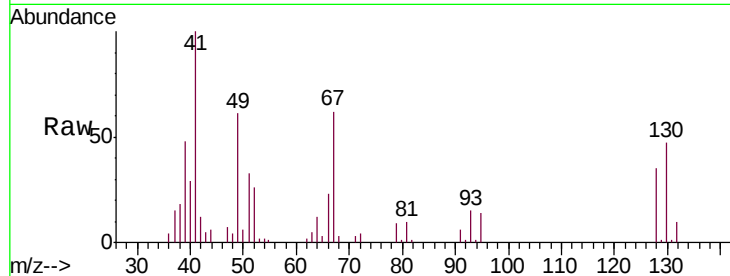
#41
Methacrylonitrile
Concen: 14.432 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	46.8	51.4	77.2#
67	87.9	66.8	100.2
52	37.2	27.7	41.5

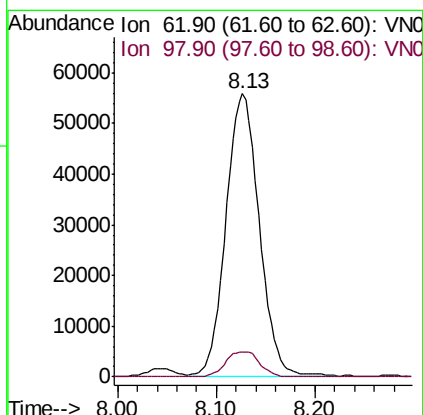
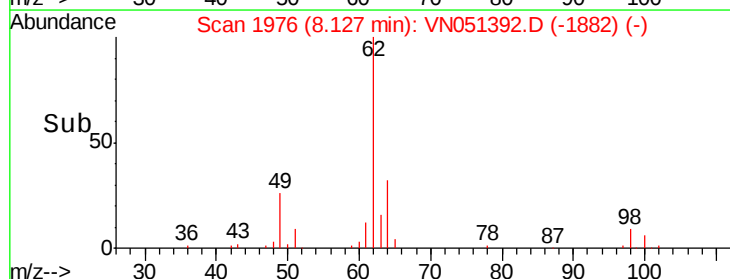
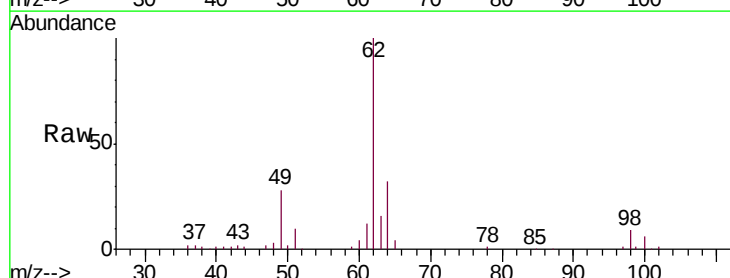
Manual Integrations
APPROVED

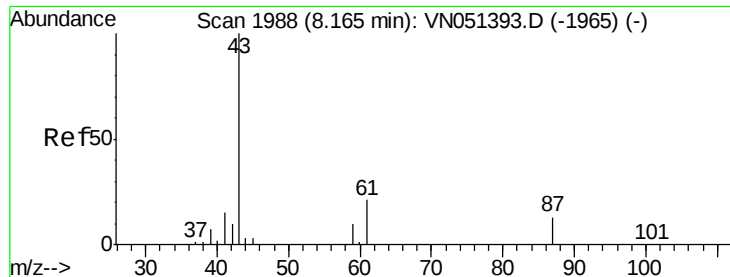
MMDadoda
9/24/2018 2:15:18 PM



#42
1,2-Dichloroethane
Concen: 16.798 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6





#43

Isopropyl Acetate

Concen: 15.794 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

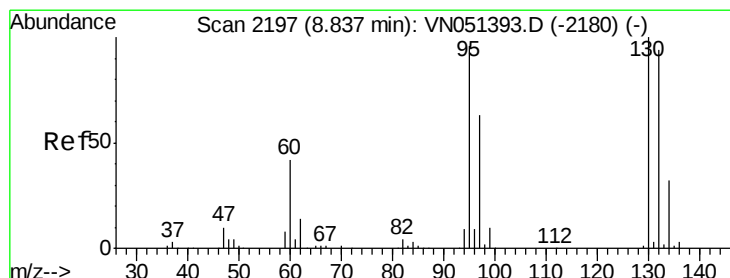
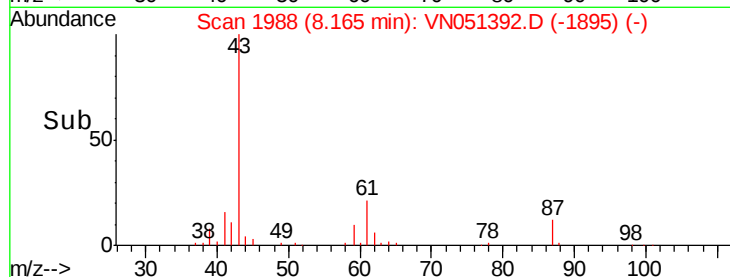
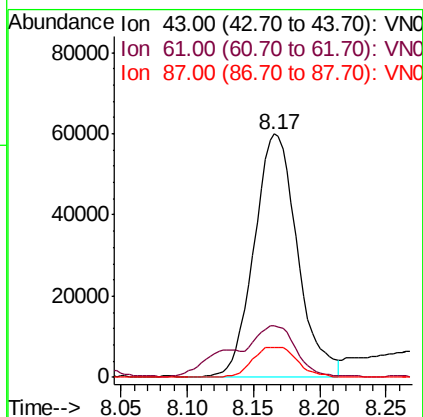
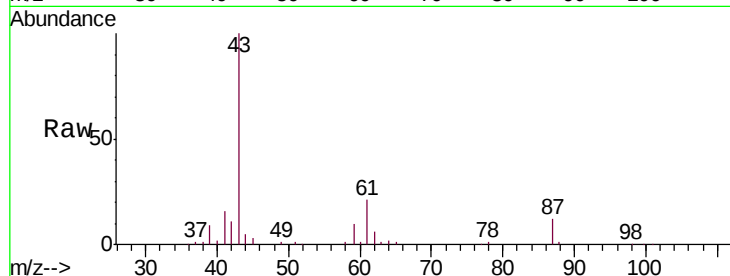
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	136658
Ion Ratio		Lower	Upper
43	100		
61	20.2	16.8	25.2
87	13.0	10.7	16.1

Manual Integrations
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#44

Trichloroethene

Concen: 16.511 ug/l

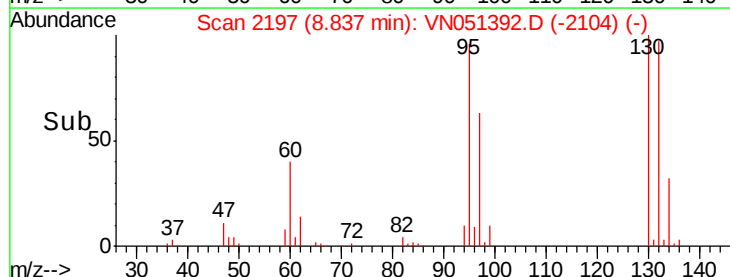
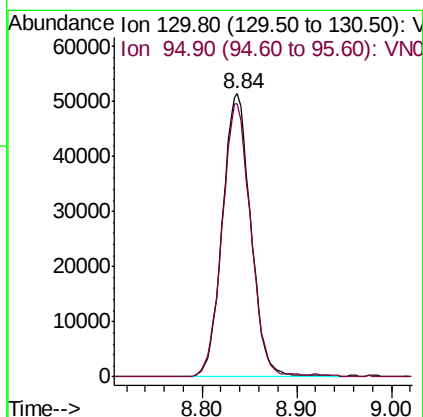
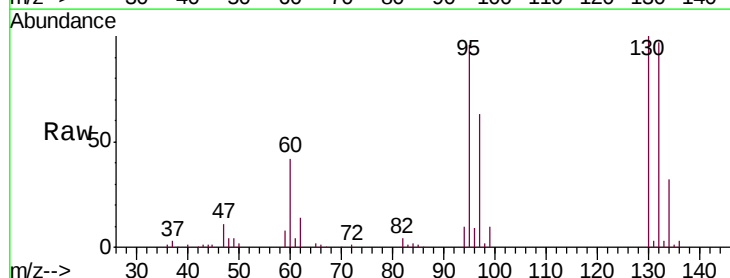
RT: 8.84 min Scan# 2197

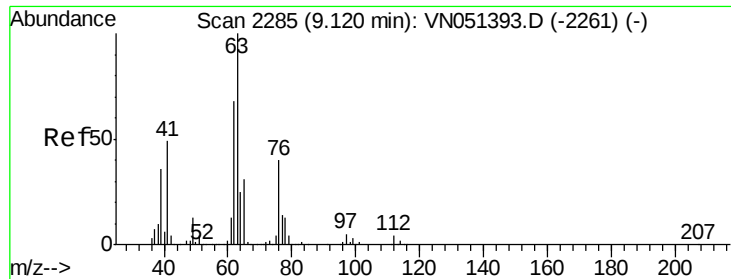
Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion:	130	Resp:	107161
Ion Ratio		Lower	Upper
130	100		
95	96.5	0.0	192.2





#45

1,2-Dichloropropane

Concen: 16.778 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 111447

Ion Ratio Lower Upper

63 100

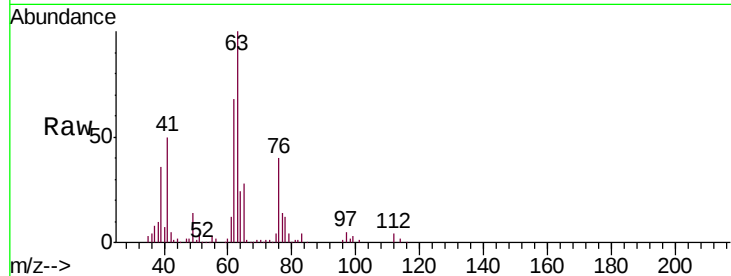
65 28.4 24.9 37.3

Manual Integrations

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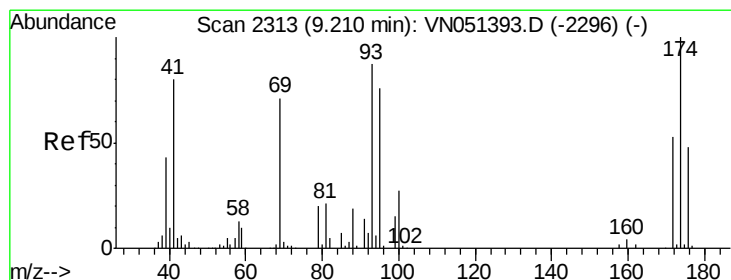
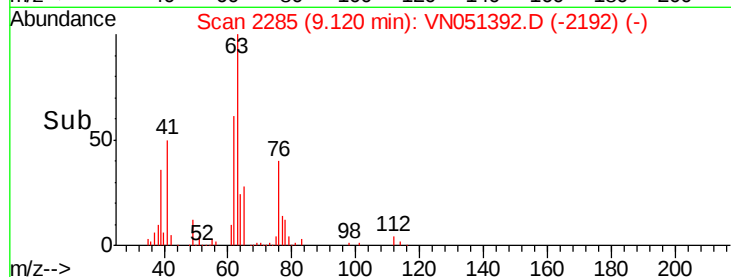
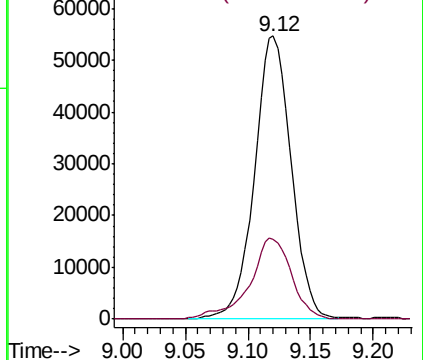
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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 16.751 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

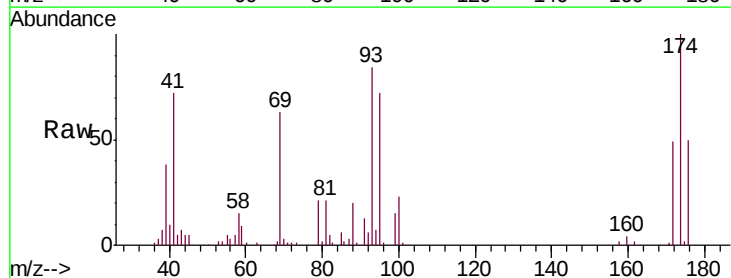
Tgt Ion: 93 Resp: 62867

Ion Ratio Lower Upper

93 100

95 84.2 67.6 101.4

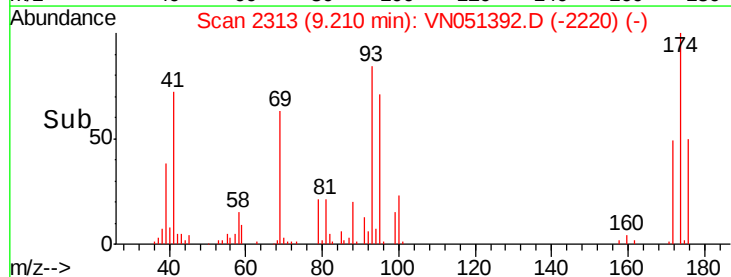
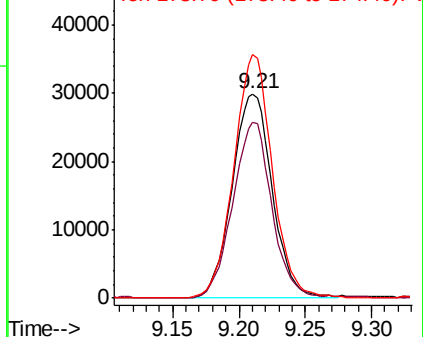
174 114.4 89.6 134.4

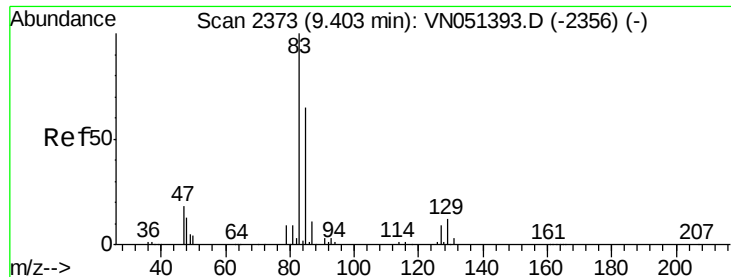


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





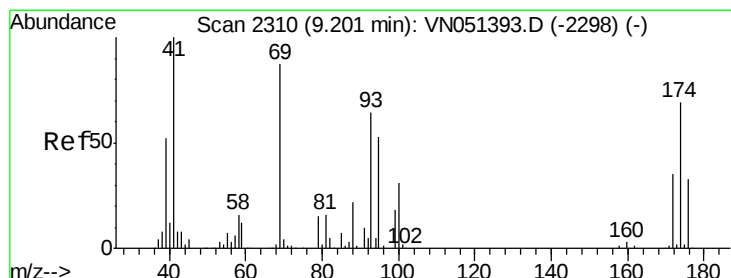
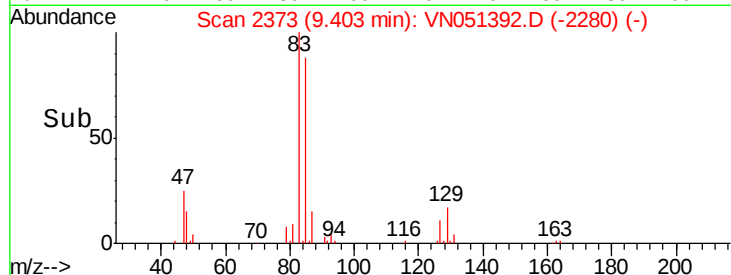
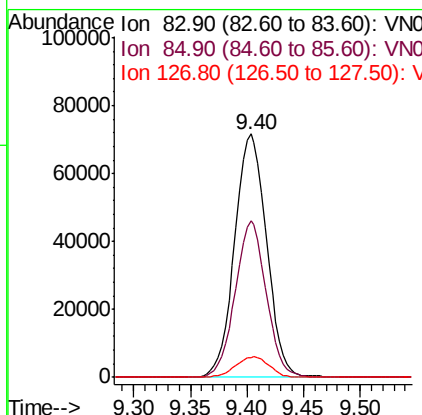
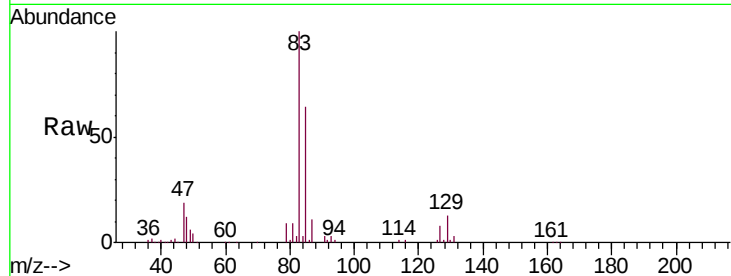
#47
Bromodichloromethane
Concen: 17.023 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.6
127	8.3	7.4	11.2

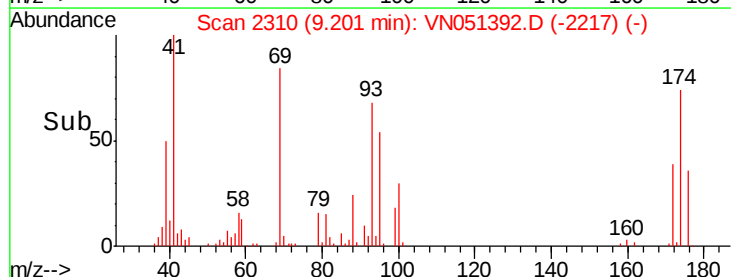
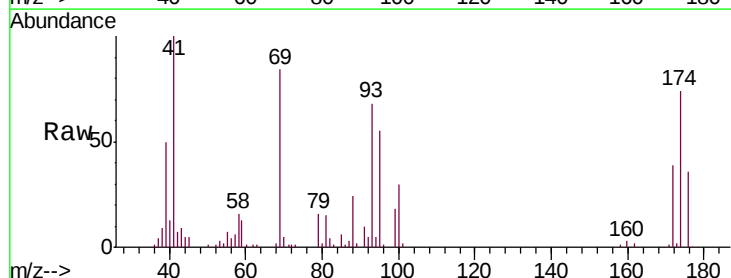
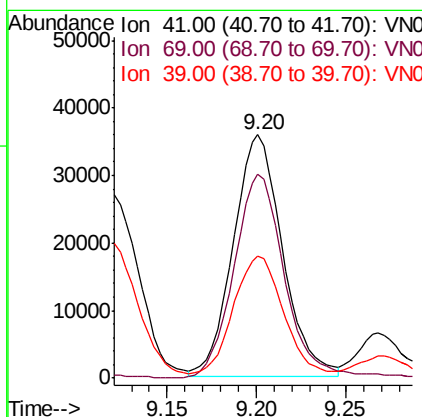
Manual Integrations
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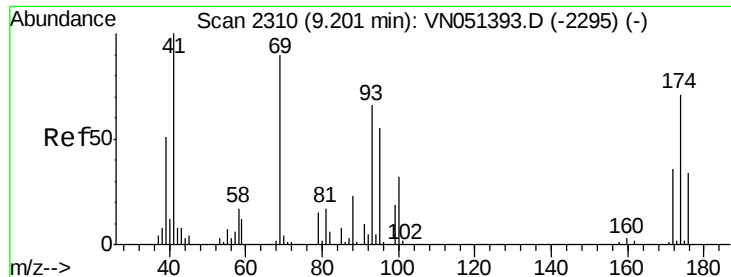
MMDadoda
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#48
Methyl methacrylate
Concen: 15.975 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.2	70.4	105.6
39	51.1	43.8	65.8





#49

1,4-Dioxane

Concen: 341.242 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

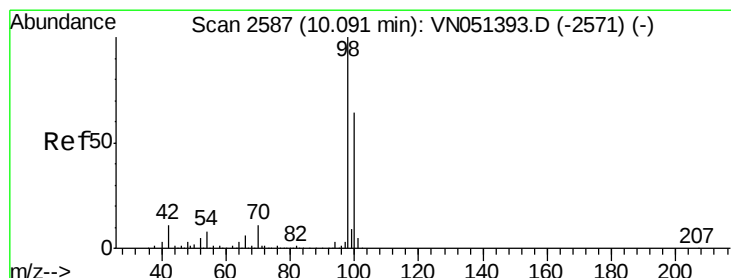
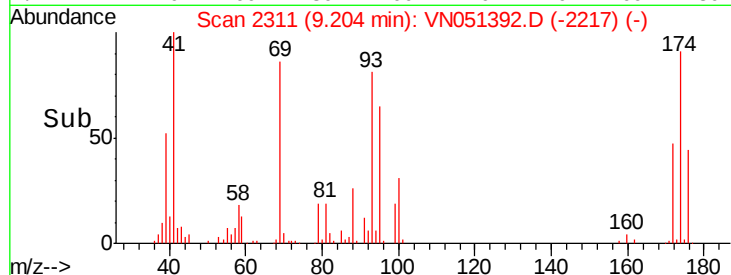
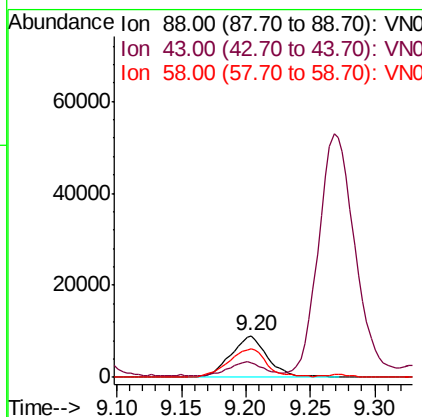
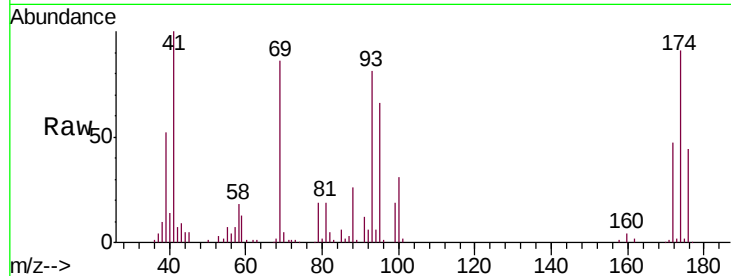
ClientSampleId :

VSTDIC020

Tgt Ion:	88	Resp:	18041
Ion Ratio	Lower	Upper	
88	100		
43	29.3	25.9	38.9
58	71.5	57.0	85.4

Manual Integrations
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#50

Toluene-d8

Concen: 14.108 ug/l

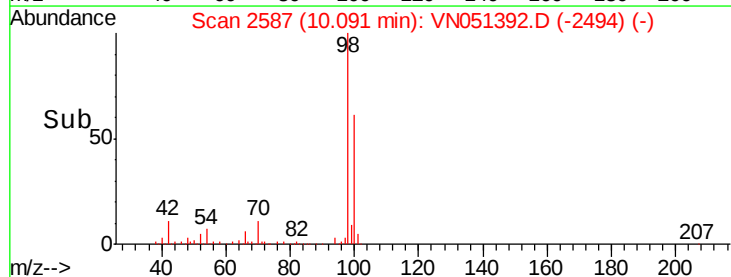
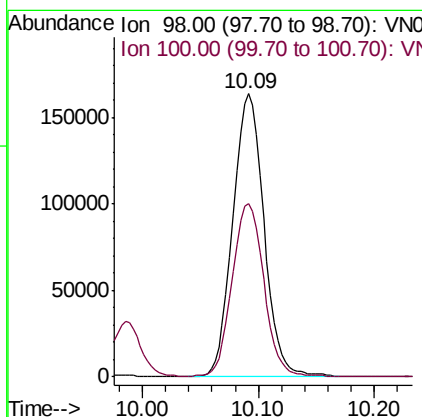
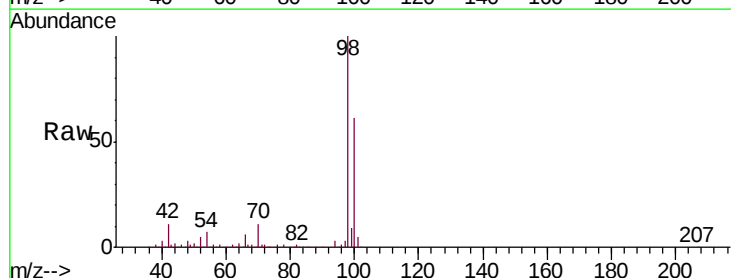
RT: 10.09 min Scan# 2587

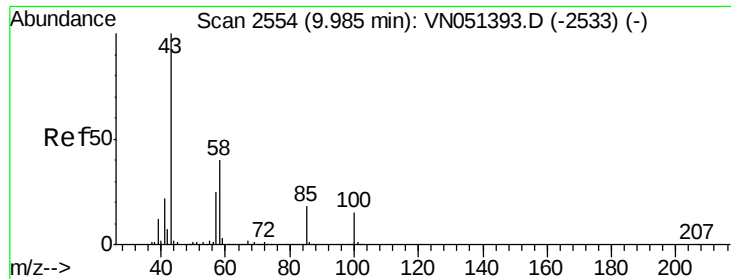
Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion:	98	Resp:	305295
Ion Ratio	Lower	Upper	
98	100		
100	62.1	50.6	75.8





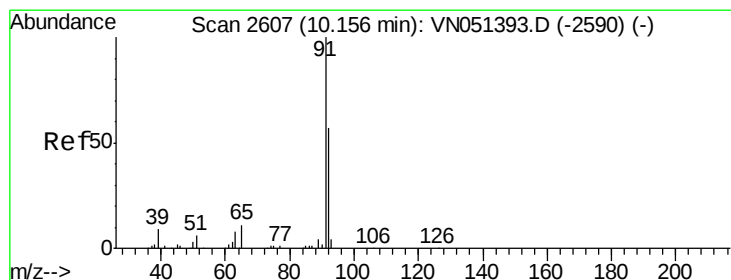
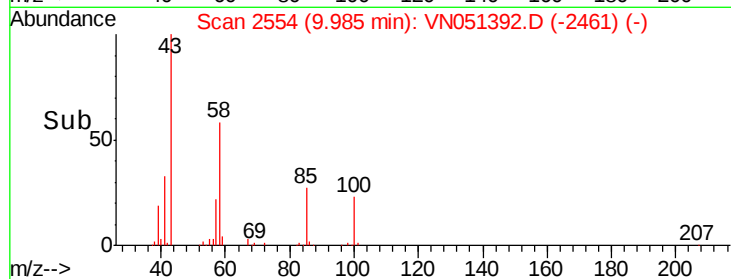
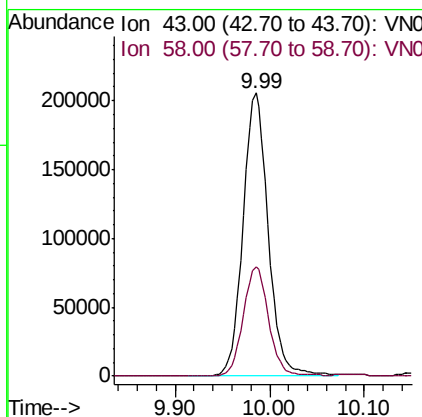
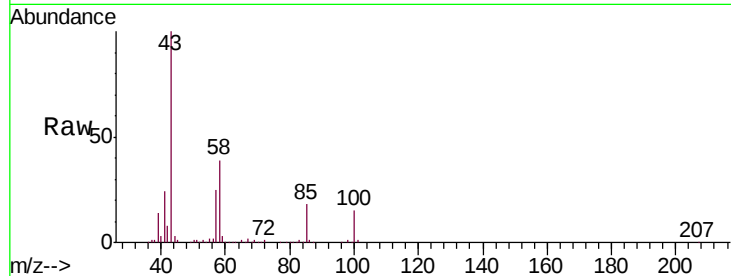
#51
 4-Methyl-2-Pentanone
 Concen: 79.616 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.5	47.3

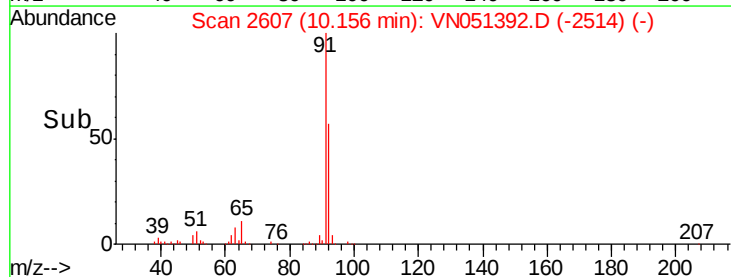
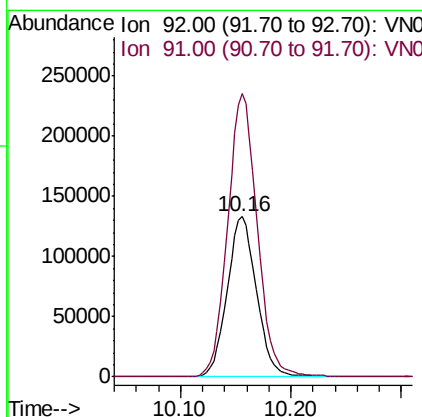
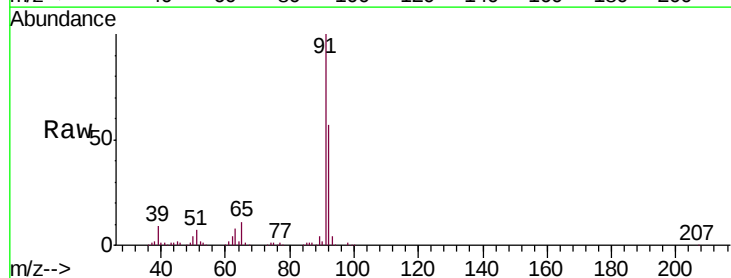
Manual Integrations
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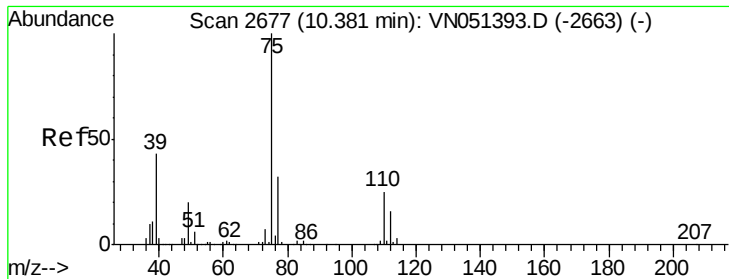
MMDadoda
 9/24/2018 2:15:18 PM



#52
 Toluene
 Concen: 16.208 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.5	142.2	213.4





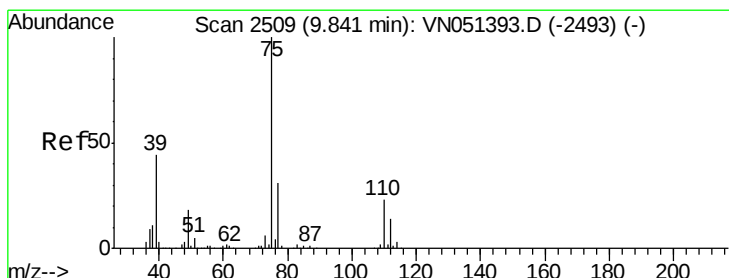
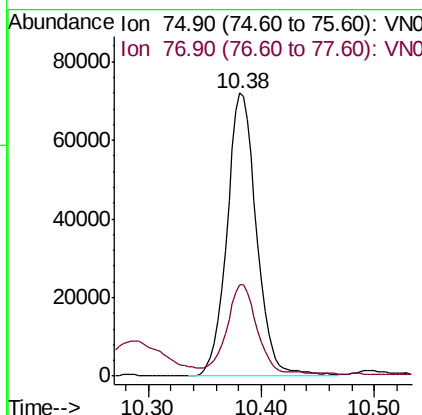
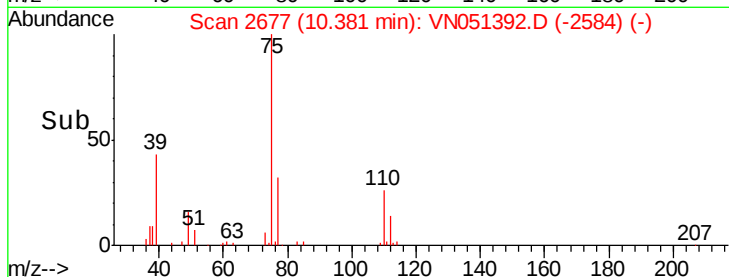
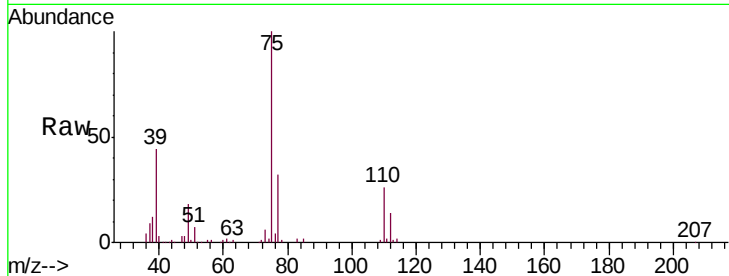
#53
 t-1,3-Dichloropropene
 Concen: 15.660 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 75 Resp: 131314
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.8

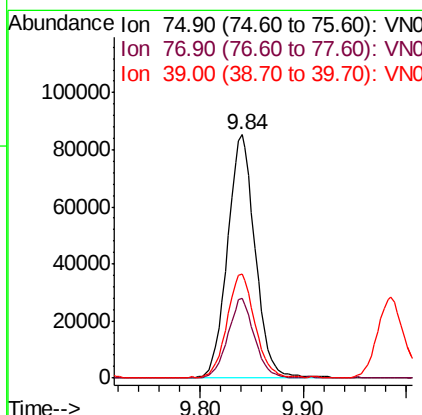
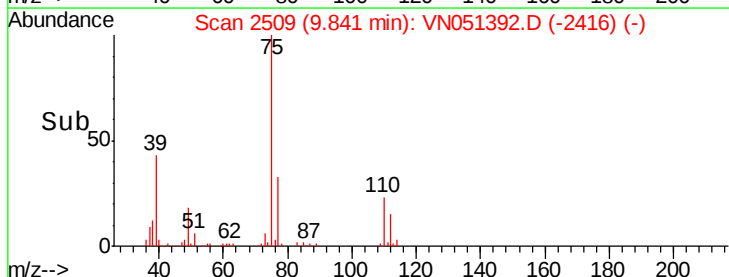
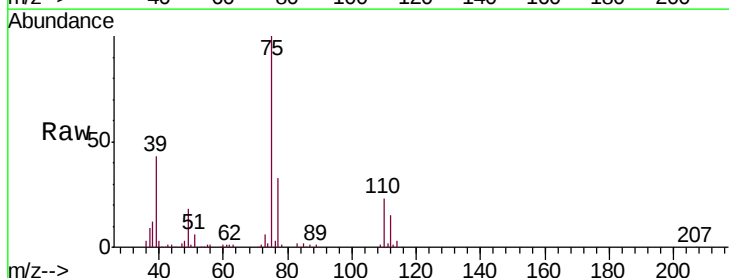
Manual Integrations
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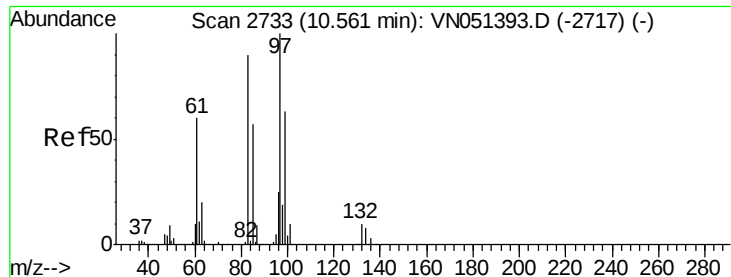
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 9/24/2018 2:15:18 PM



#54
 cis-1,3-Dichloropropene
 Concen: 16.392 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion: 75 Resp: 159396
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.2 37.8
 39 42.6 35.4 53.2





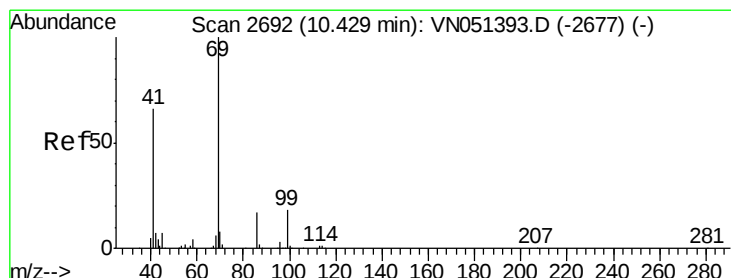
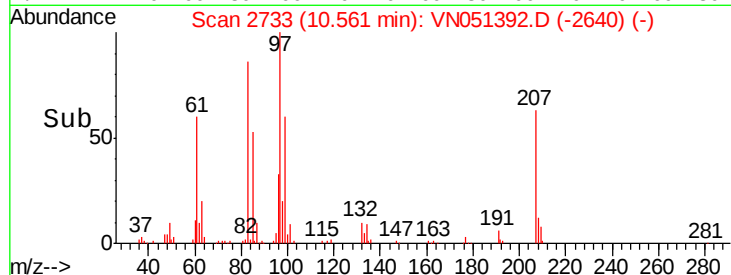
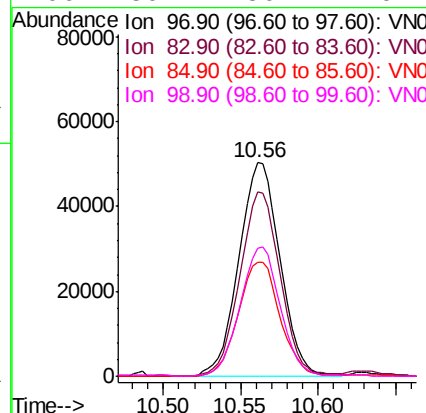
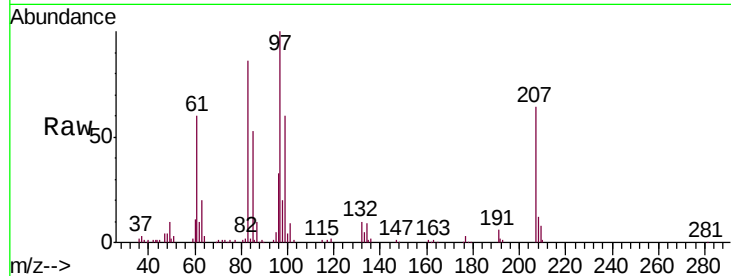
#55
 1,1,2-Trichloroethane
 Concen: 17.346 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion:	97	Resp:	93097
Ion	Ratio	Lower	Upper
97	100		
83	86.3	72.0	108.0
85	53.5	45.2	67.8
99	59.7	50.7	76.1

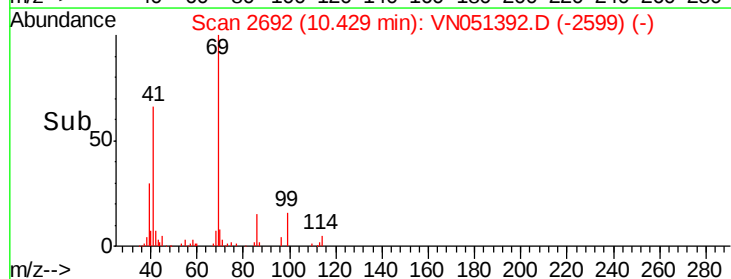
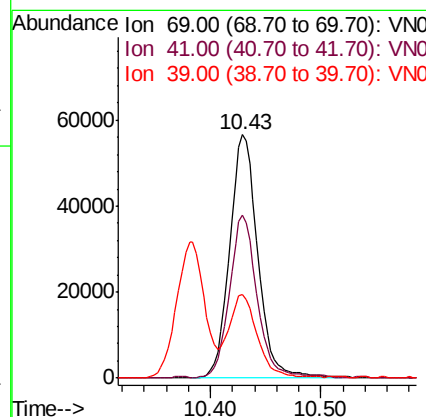
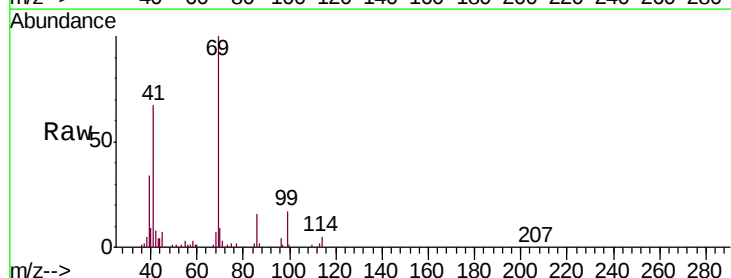
Manual Integrations
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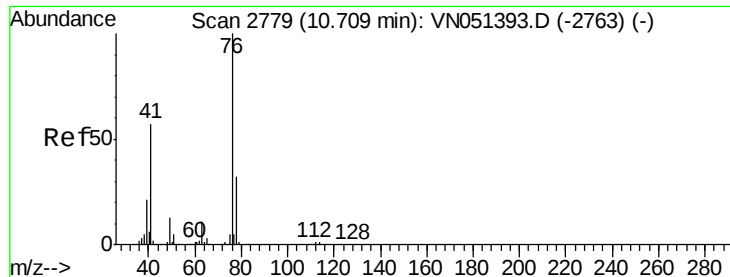
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 15.278 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion:	69	Resp:	100252
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.4	78.6
39	34.9	26.3	39.5





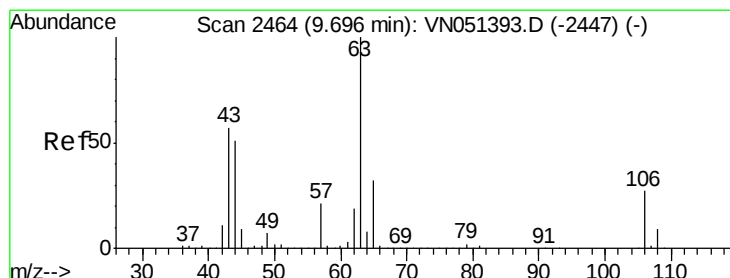
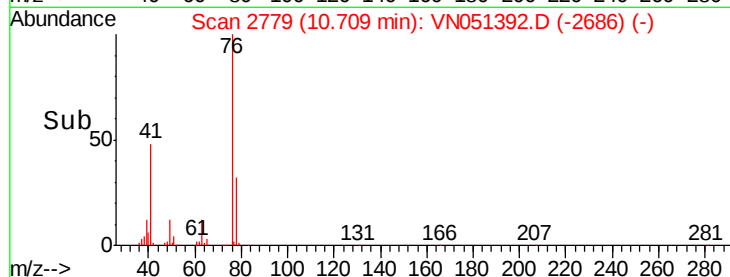
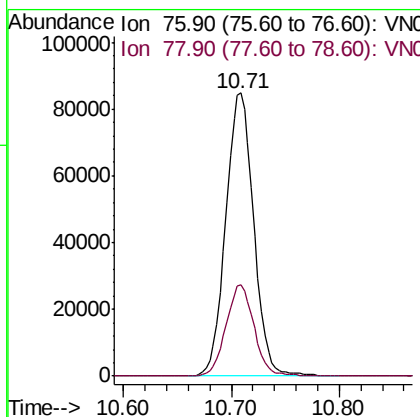
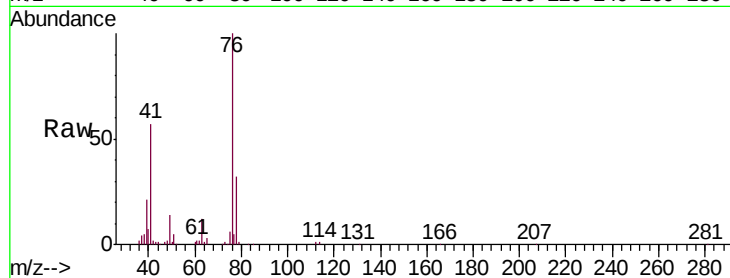
#57
 1,3-Dichloropropane
 Concen: 16.670 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 153343
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.5 38.3

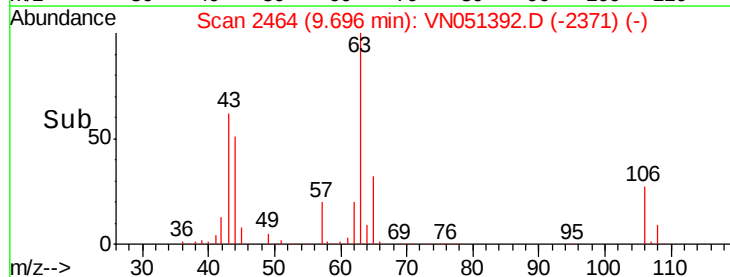
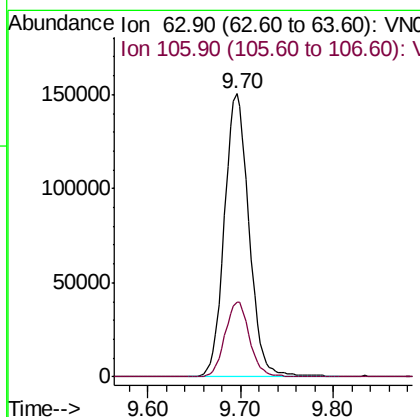
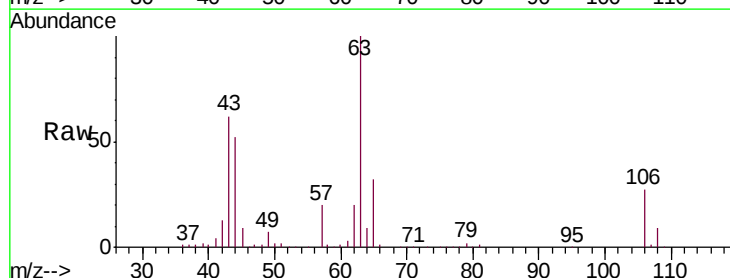
Manual Integrations
 APPROVED

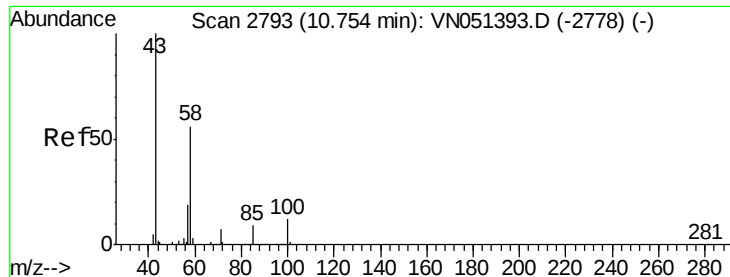
MMDadoda
 9/24/2018 2:15:18 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.120 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion: 63 Resp: 277394
 Ion Ratio Lower Upper
 63 100
 106 26.3 21.4 32.2





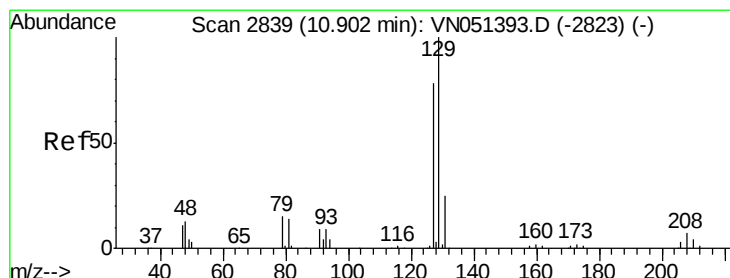
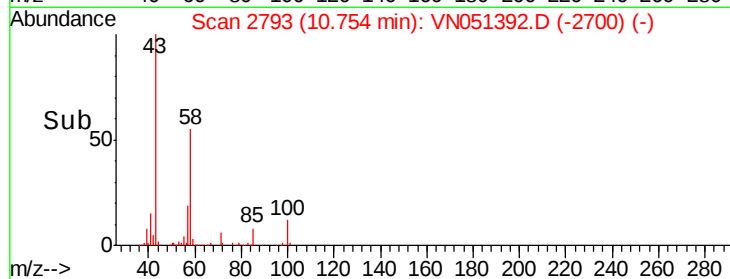
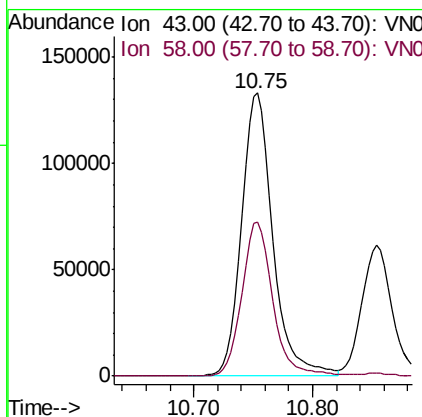
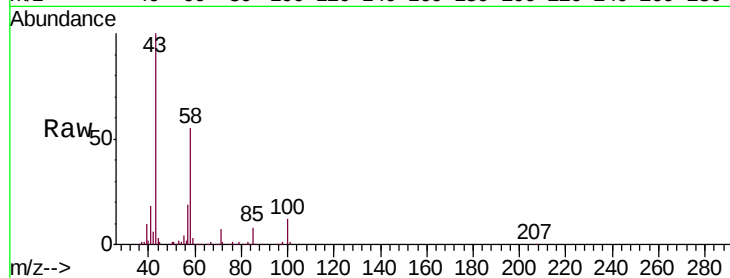
#59
2-Hexanone
Concen: 78.203 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 241241
Ion Ratio Lower Upper
43 100
58 54.2 27.7 83.0

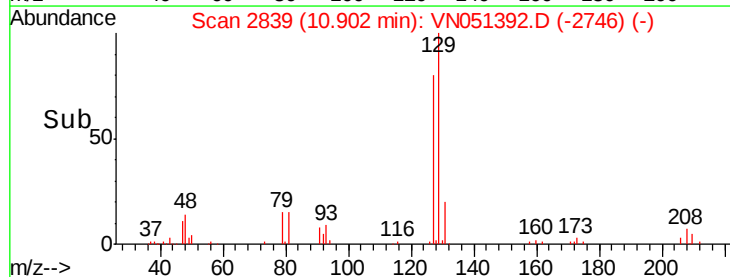
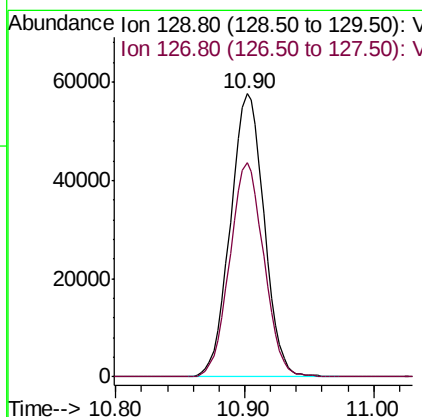
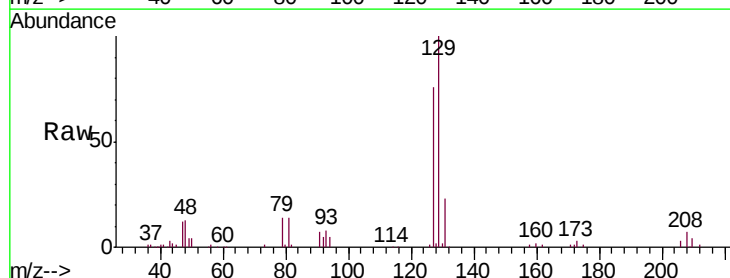
Manual Integrations
APPROVED

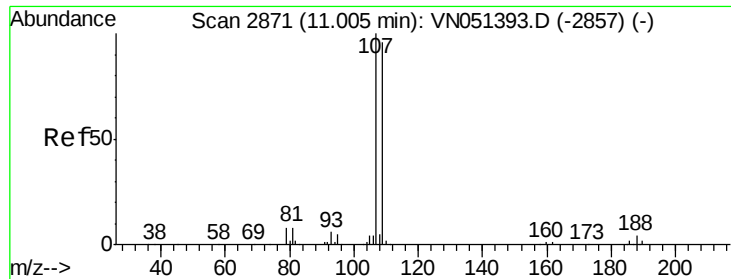
MMDadoda
9/24/2018 2:15:18 PM



#60
Dibromochloromethane
Concen: 16.541 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 129 Resp: 104742
Ion Ratio Lower Upper
129 100
127 76.4 38.6 116.0





#61

1,2-Dibromoethane

Concen: 16.261 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 84720

Ion Ratio Lower Upper

107 100

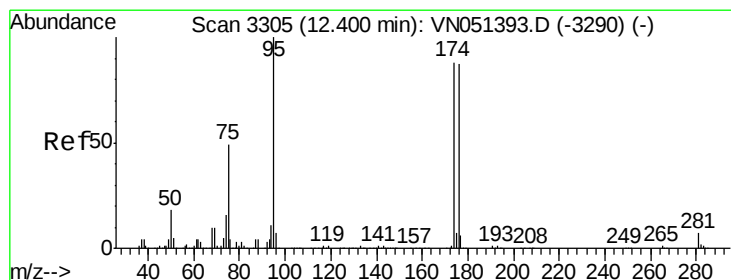
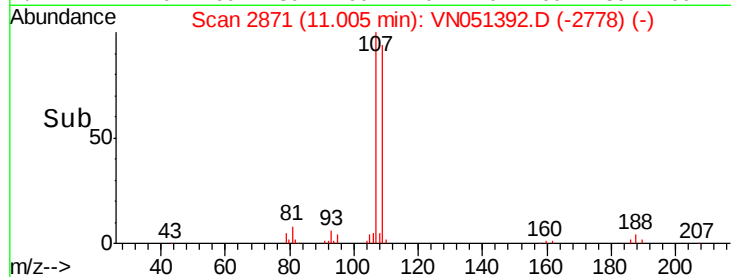
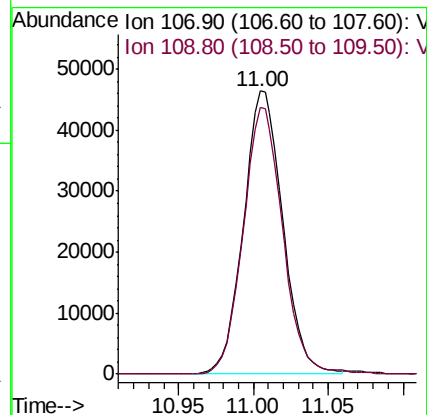
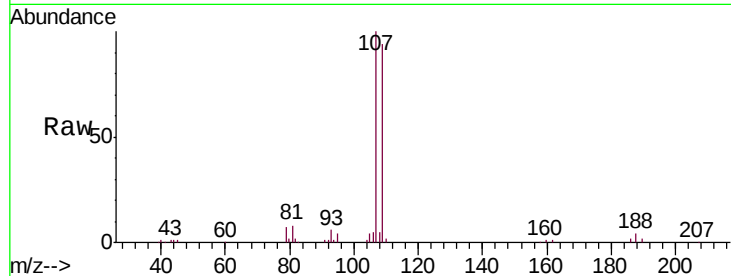
109 94.7 76.3 114.5

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:18 PM



#62

4-Bromofluorobenzene

Concen: 12.939 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

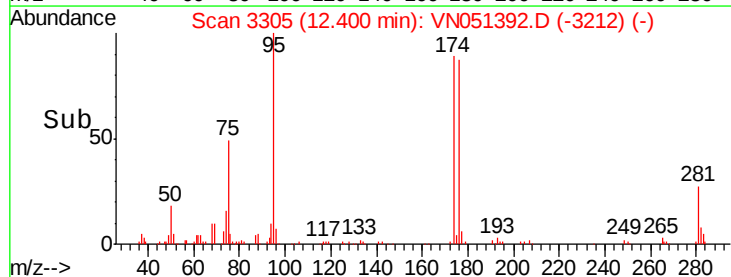
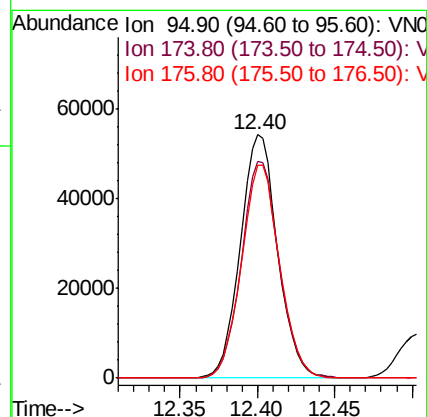
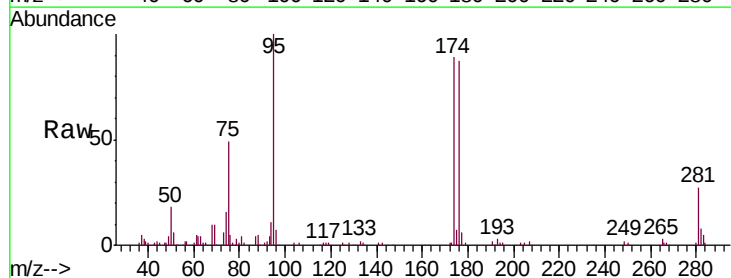
Tgt Ion: 95 Resp: 90579

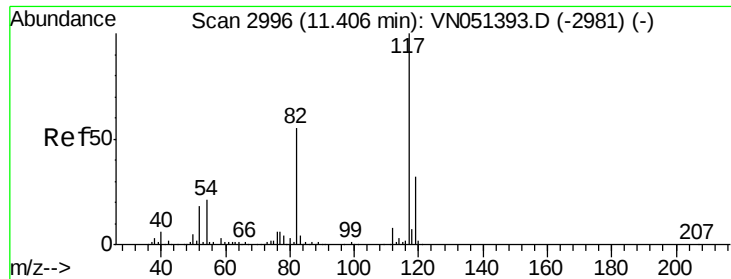
Ion Ratio Lower Upper

95 100

174 90.5 0.0 181.6

176 89.5 0.0 176.4





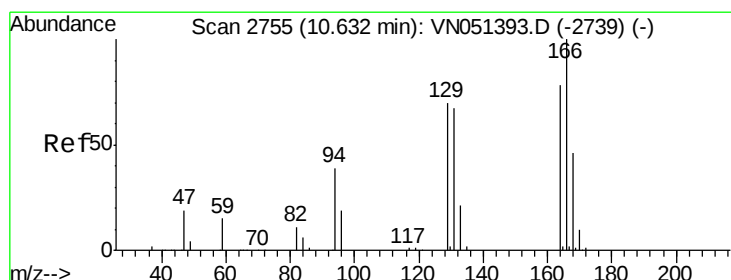
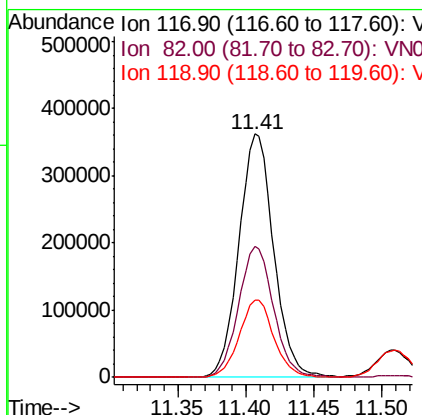
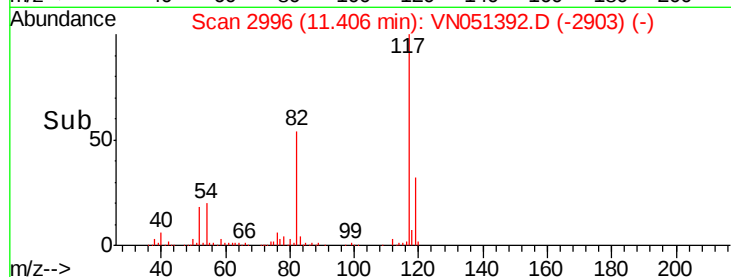
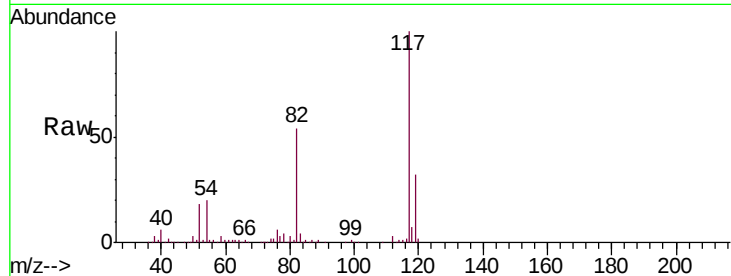
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	641039		
82	53.6	44.2	66.2	
119	31.8	25.9	38.9	

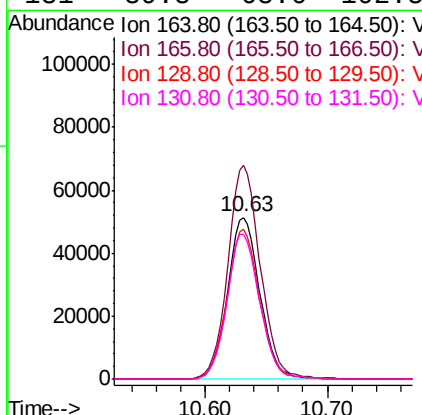
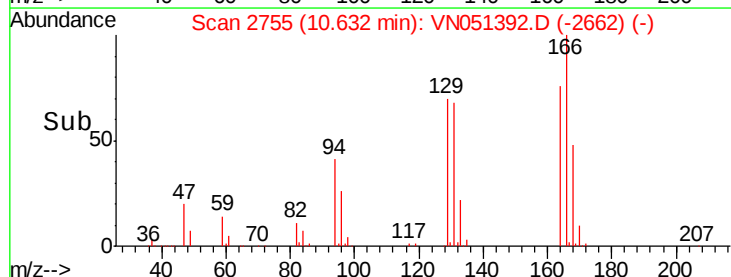
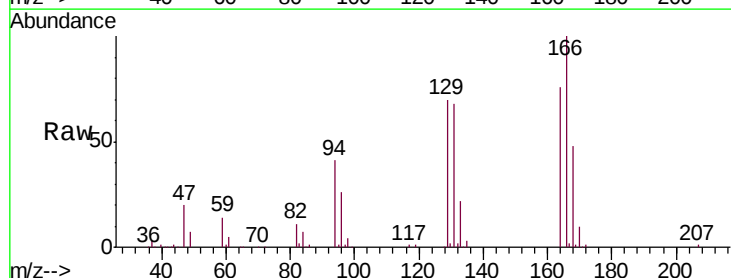
Manual Integrations
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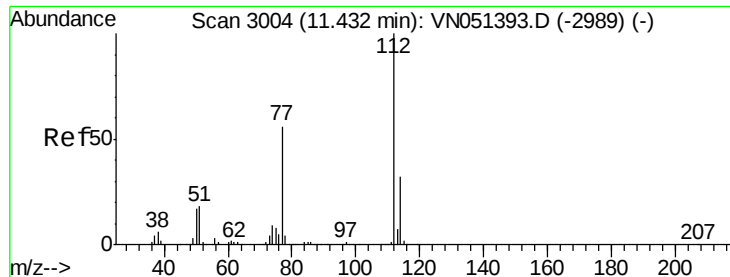
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#64
Tetrachloroethene
Concen: 16.319 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94941		
166	132.3	102.3	153.5	
129	92.5	71.8	107.8	
131	89.8	68.6	102.8	





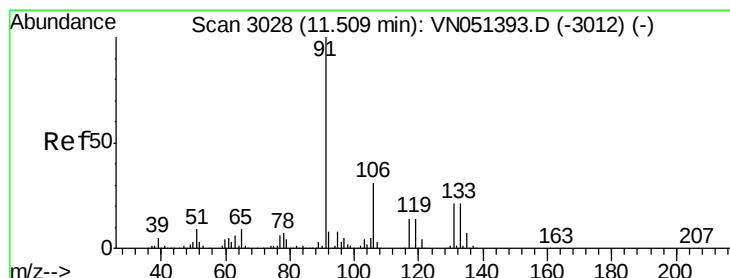
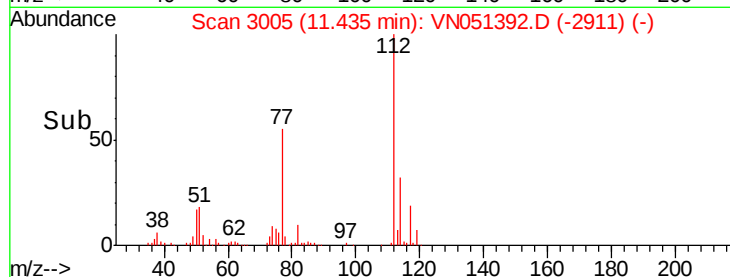
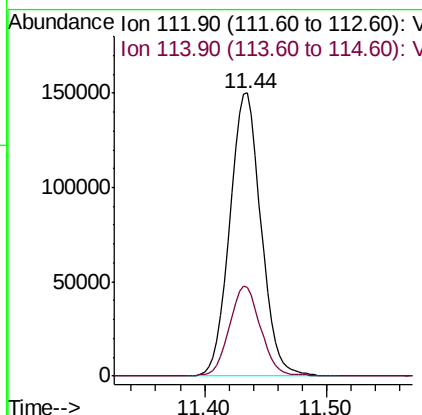
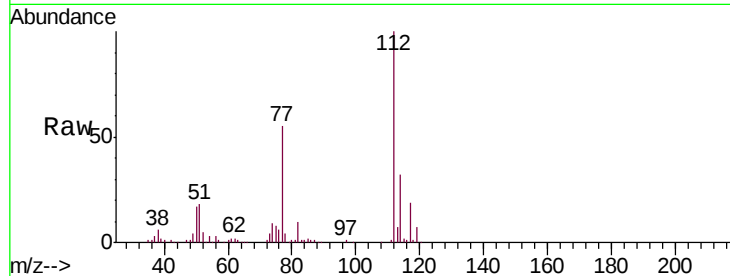
#65
Chlorobenzene
Concen: 16.282 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.4	38.2

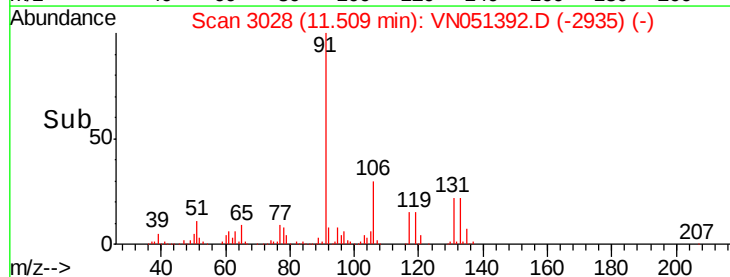
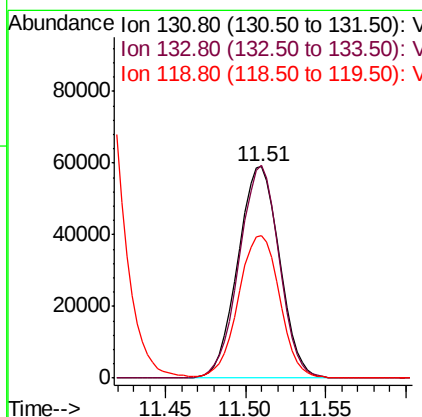
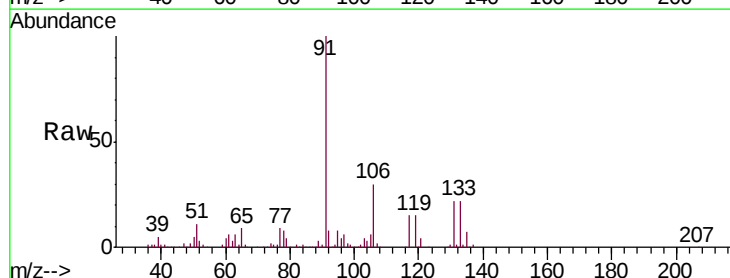
Manual Integrations
APPROVED

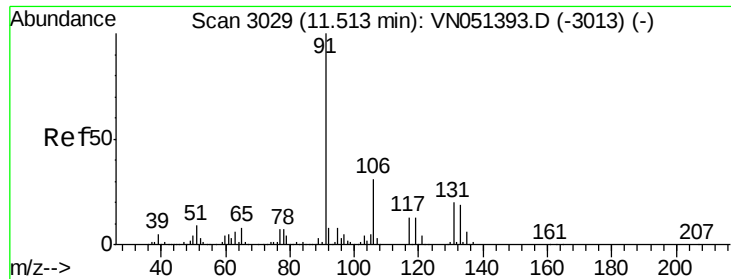
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.745 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	48.3	144.8
119	67.0	32.8	98.4





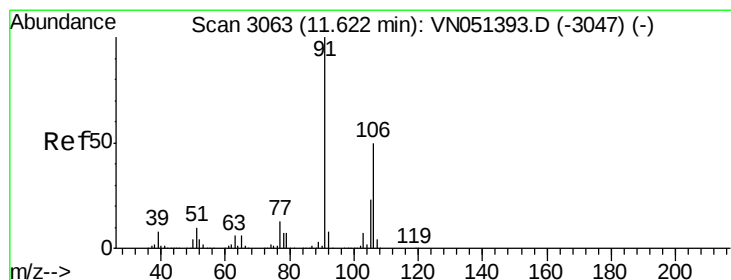
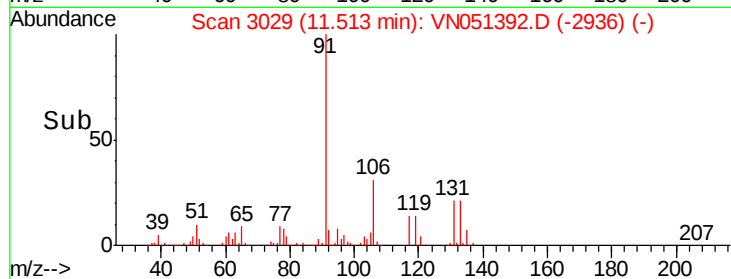
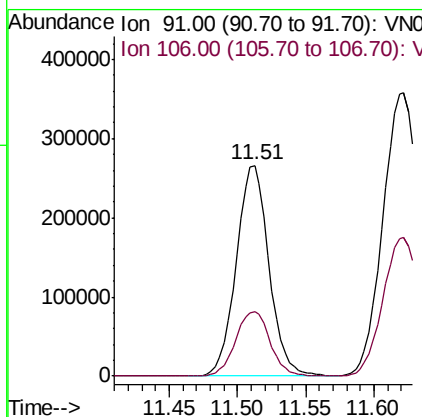
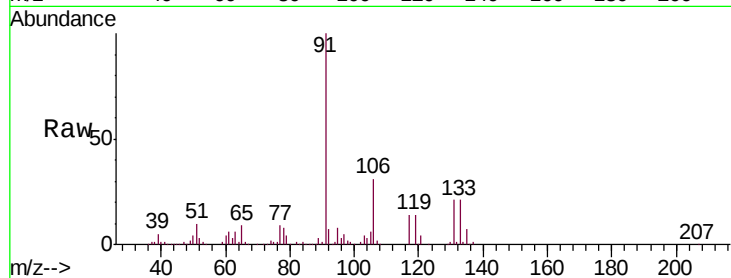
#67
Ethyl Benzene
Concen: 15.990 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion: 91 Resp: 443212
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.4

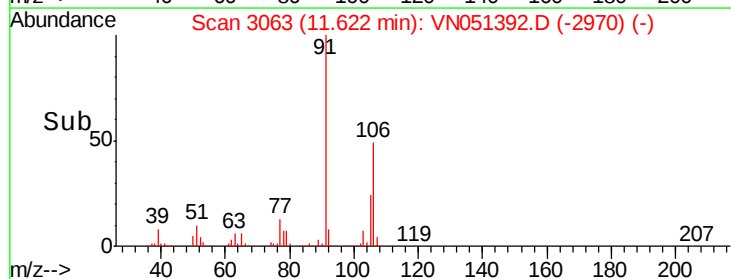
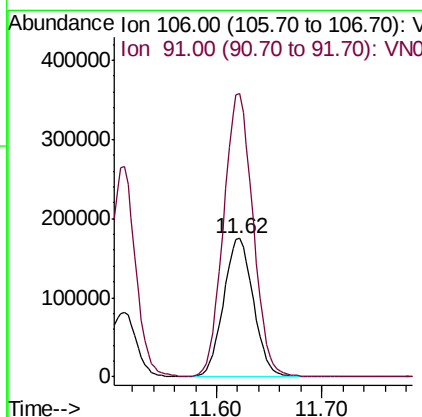
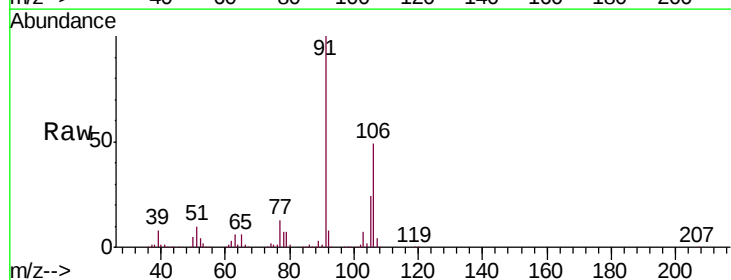
Manual Integrations
APPROVED

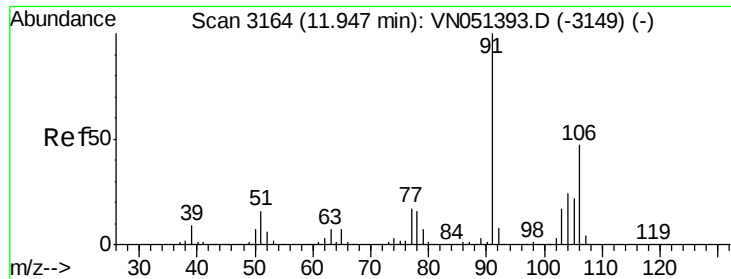
MMDadoda
9/24/2018 2:15:18 PM



#68
m/p-Xylenes
Concen: 31.996 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion: 106 Resp: 343038
Ion Ratio Lower Upper
106 100
91 201.6 161.3 241.9





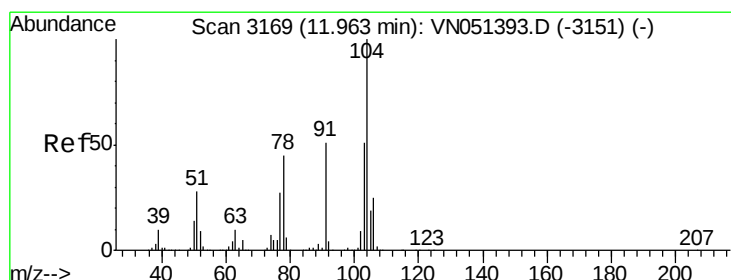
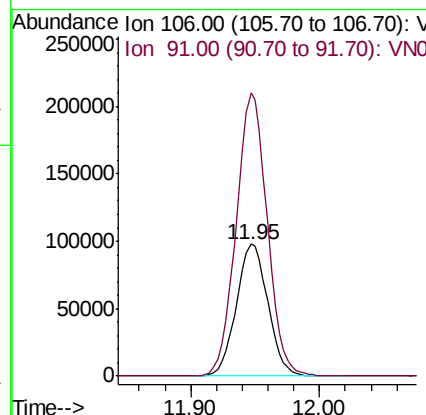
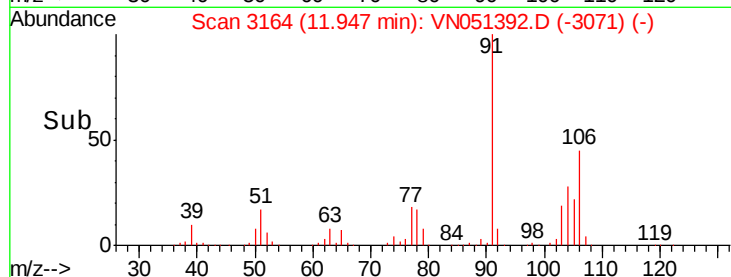
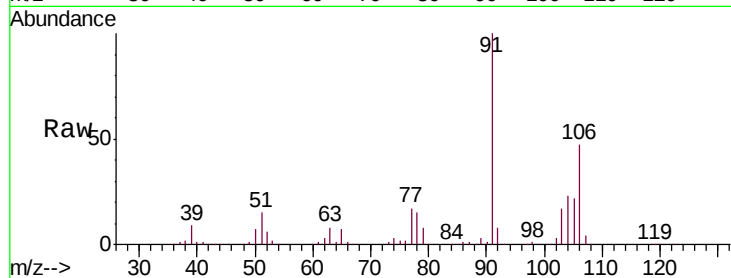
#69
o-Xylene
Concen: 16.145 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 166403
Ion Ratio Lower Upper
106 100
91 211.0 105.3 315.9

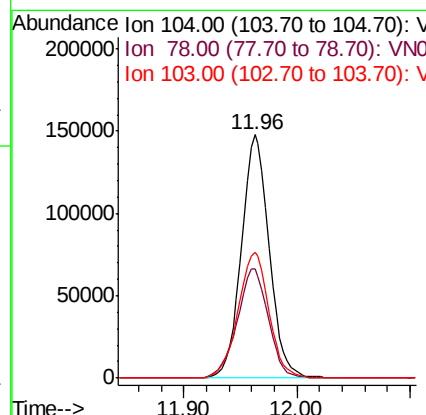
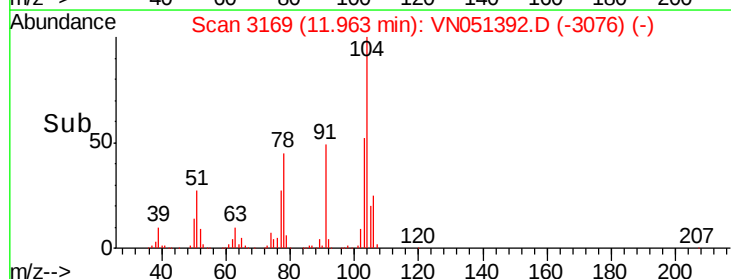
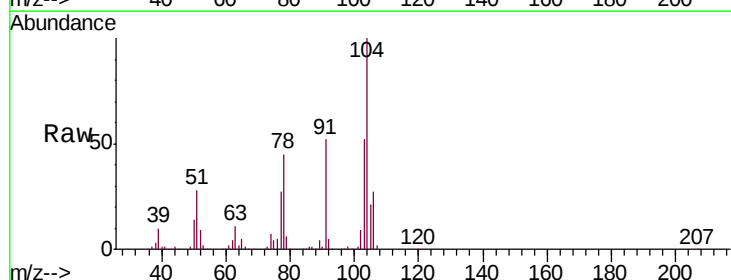
Manual Integrations
APPROVED

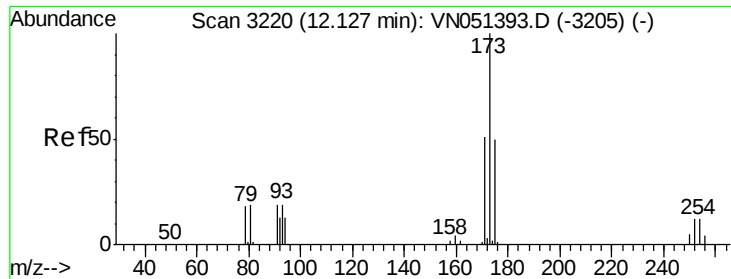
MMDadoda
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#70
Styrene
Concen: 15.507 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion:104 Resp: 253265
Ion Ratio Lower Upper
104 100
78 50.2 39.9 59.9
103 57.6 44.6 66.8





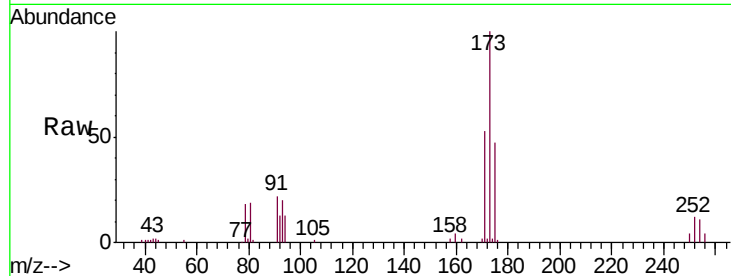
#71
Bromoform
Concen: 15.840 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
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MMDadoda
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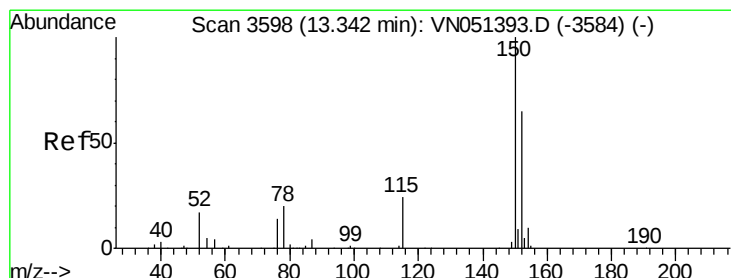
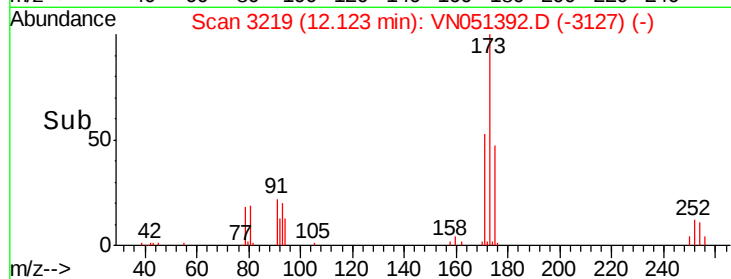
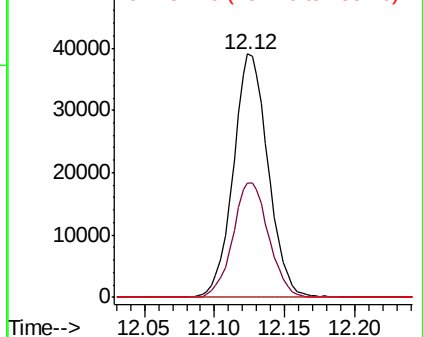


Abundance

Ion 172.70 (172.40 to 173.40): V

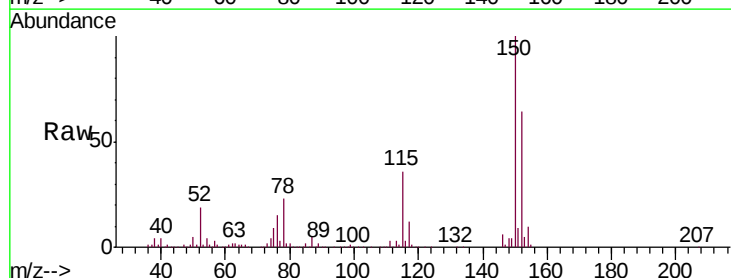
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.3	84.9
150	162.1	0.0	353.6

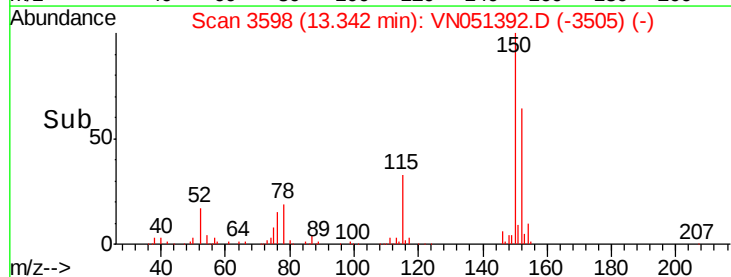
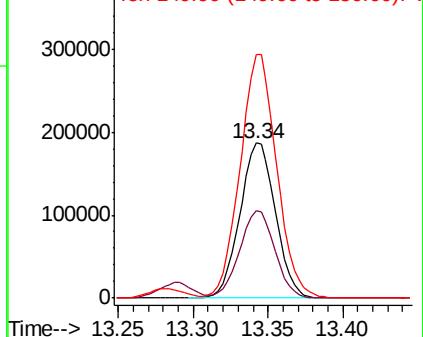


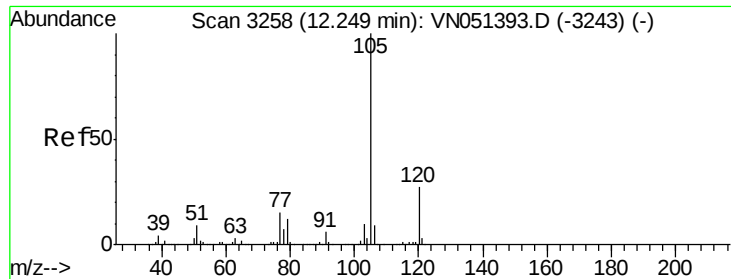
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 16.939 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 440159

Ion Ratio Lower Upper

105 100

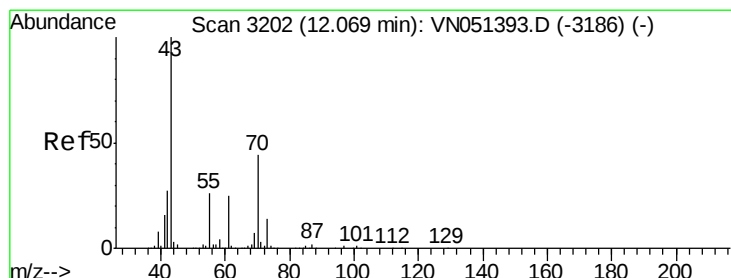
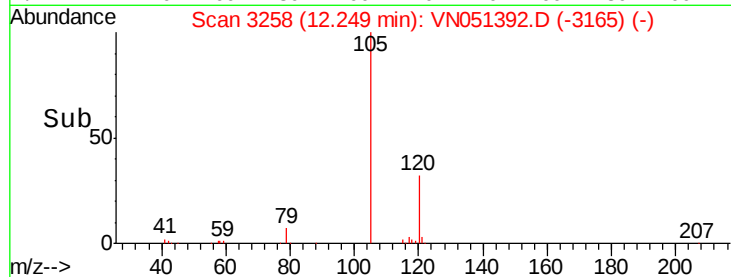
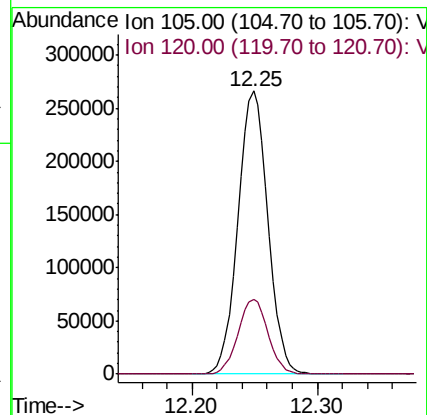
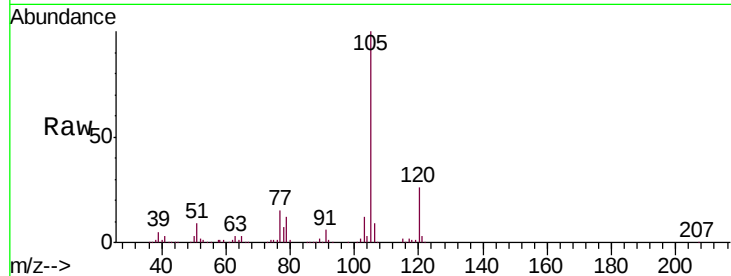
120 26.4 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 15.322 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion: 43 Resp: 99900

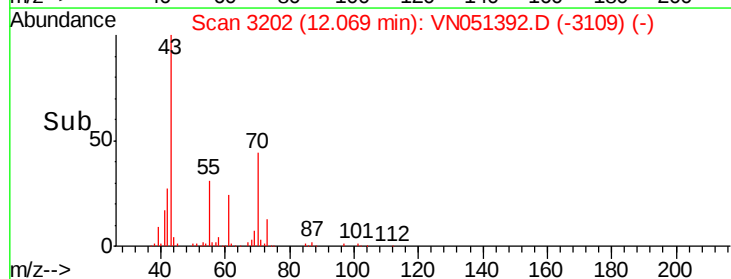
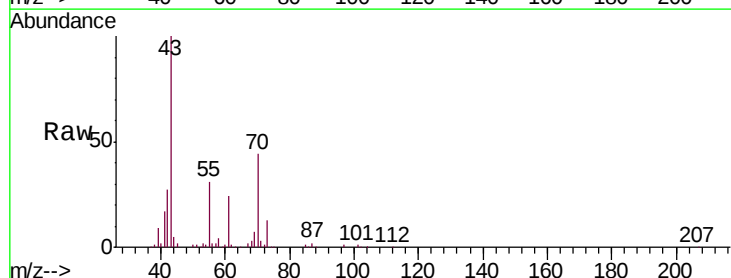
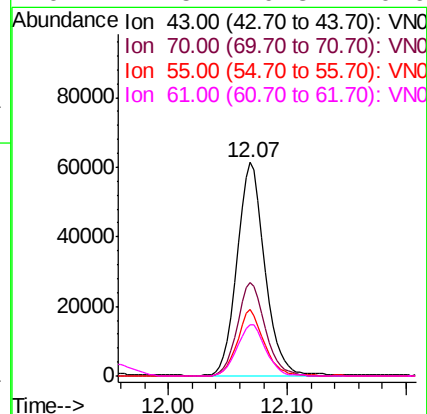
Ion Ratio Lower Upper

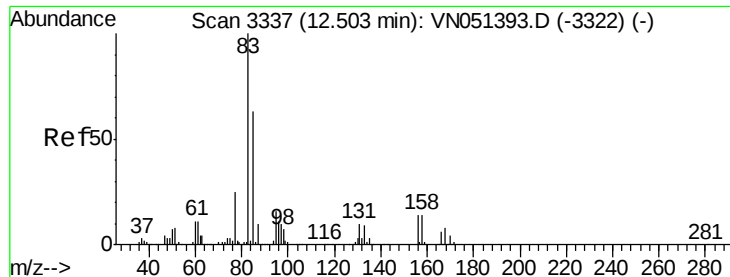
43 100

70 43.3 35.0 52.4

55 29.3 21.4 32.2

61 24.5 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 17.664 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

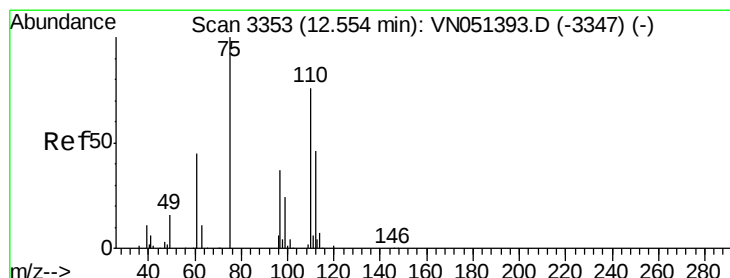
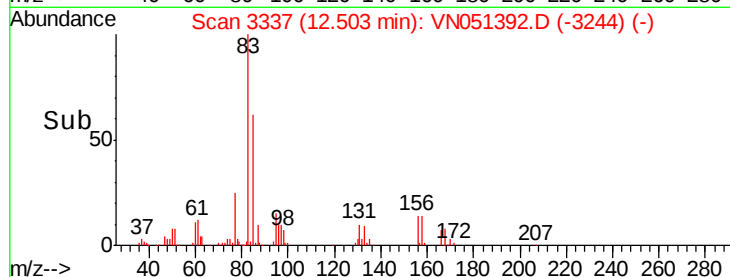
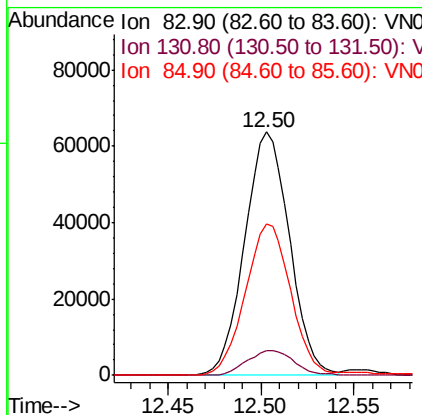
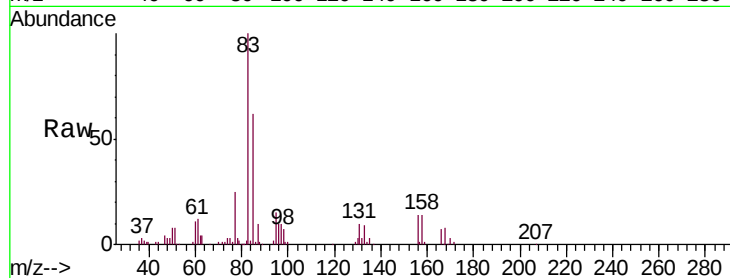
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	107039
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	62.9	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.426 ug/l m

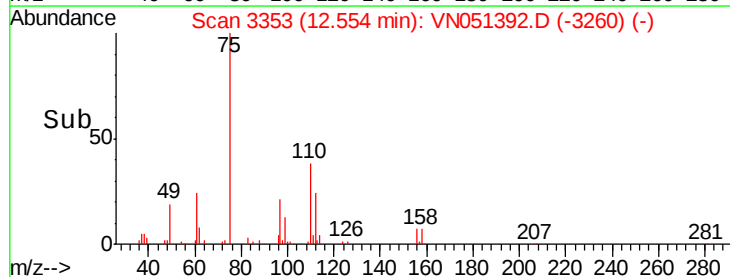
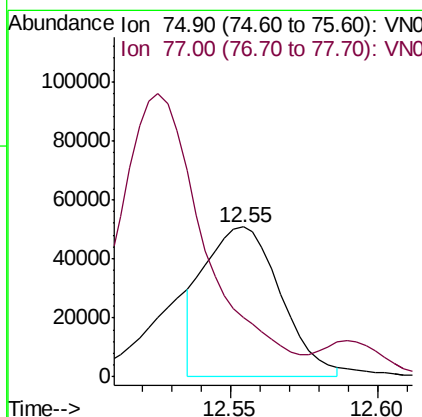
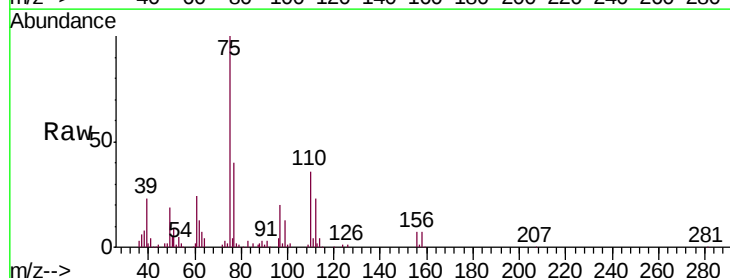
RT: 12.55 min Scan# 3353

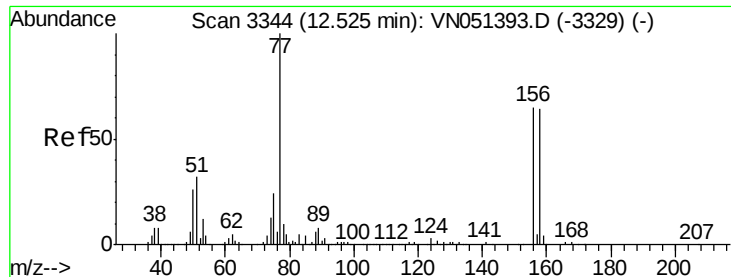
Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion:	75	Resp:	91540
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 16.950 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

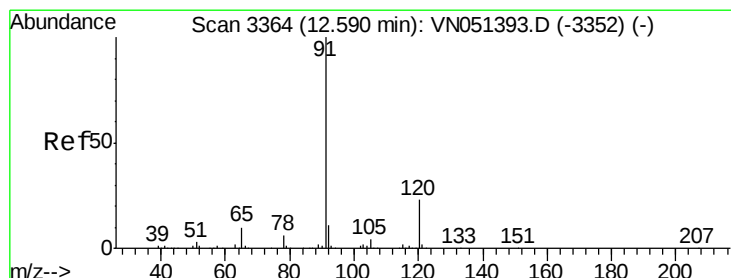
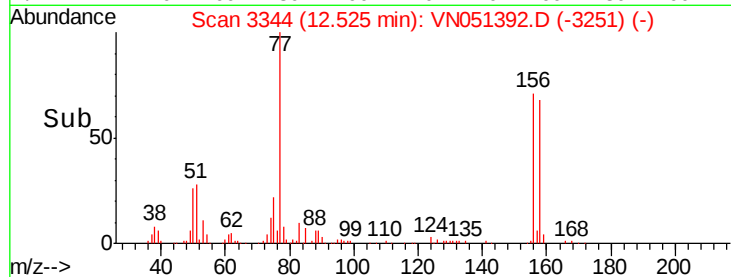
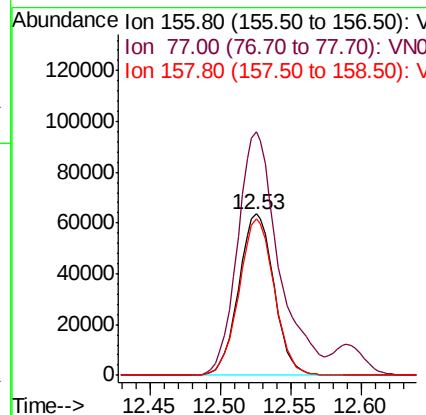
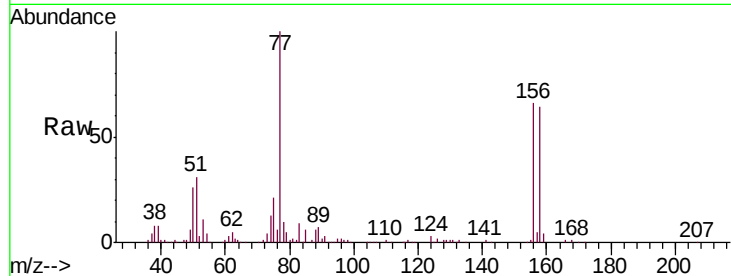
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
156	100		
77	176.2	89.5	268.4
158	96.7	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 16.500 ug/l

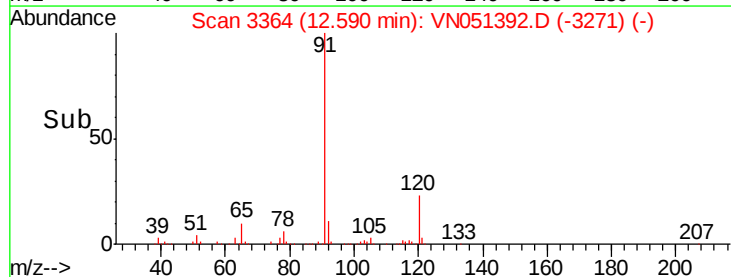
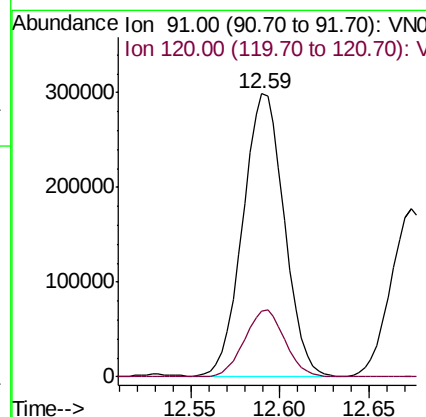
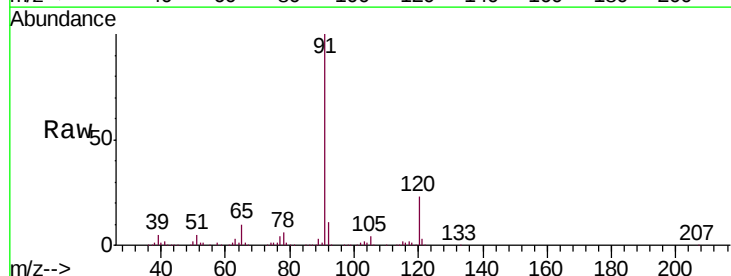
RT: 12.59 min Scan# 3364

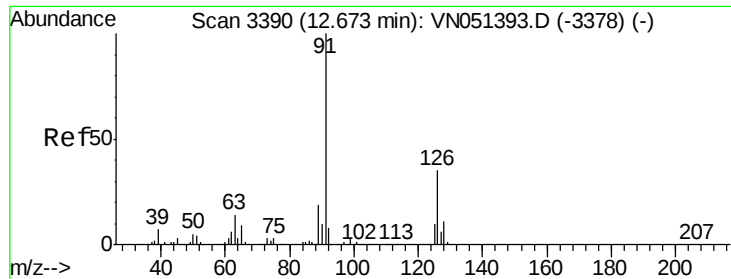
Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.5





#79

2-Chlorotoluene

Concen: 16.797 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 294462

Ion Ratio Lower Upper

91 100

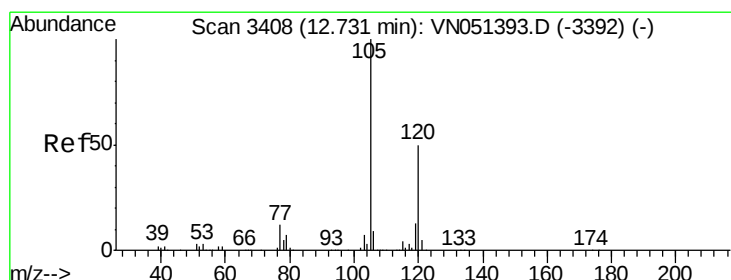
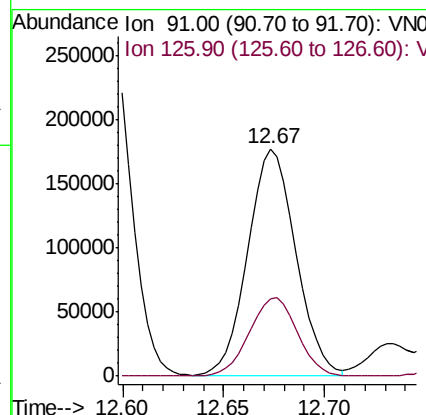
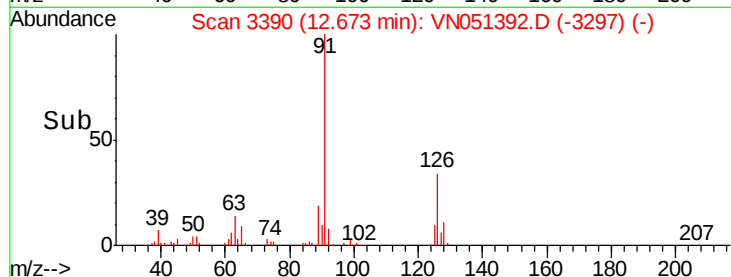
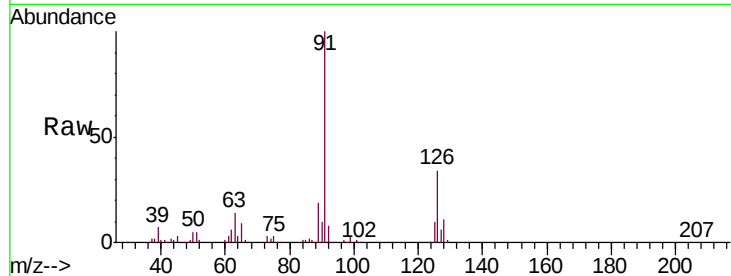
126 35.0 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 16.908 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051392.D

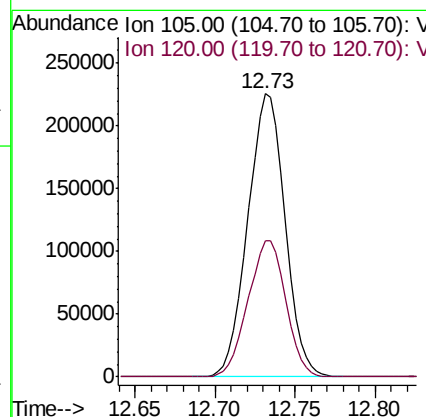
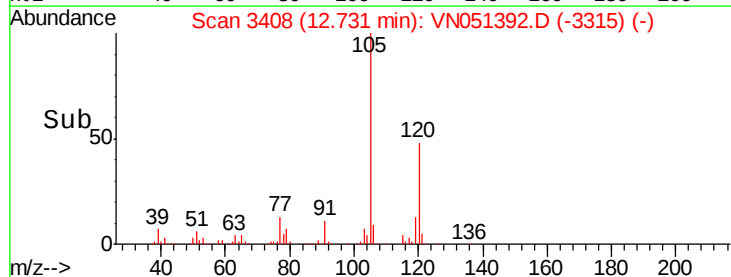
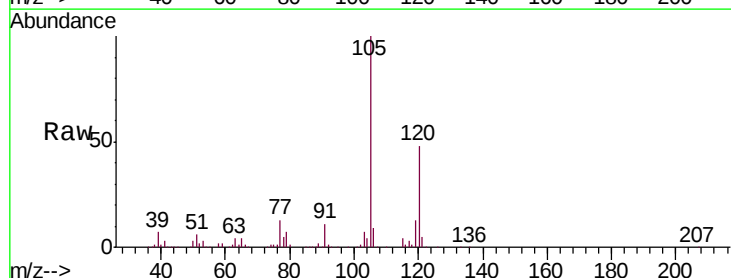
Acq: 22 Sep 2018 12:42

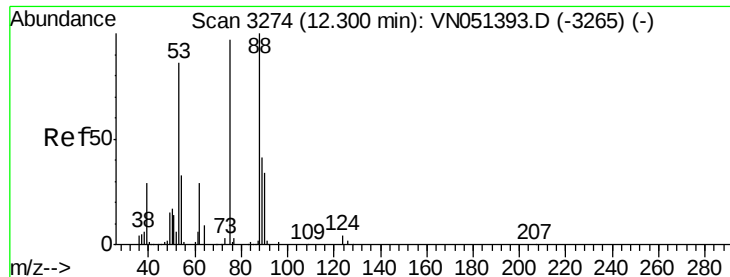
Tgt Ion: 105 Resp: 358258

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 15.530 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

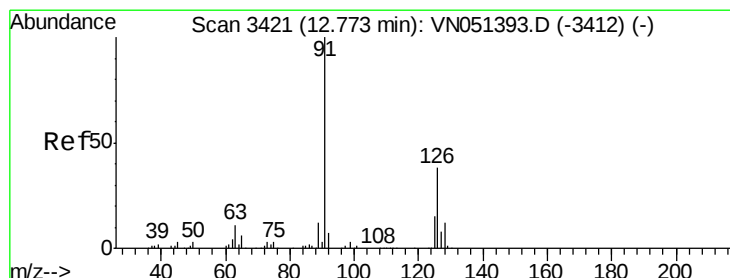
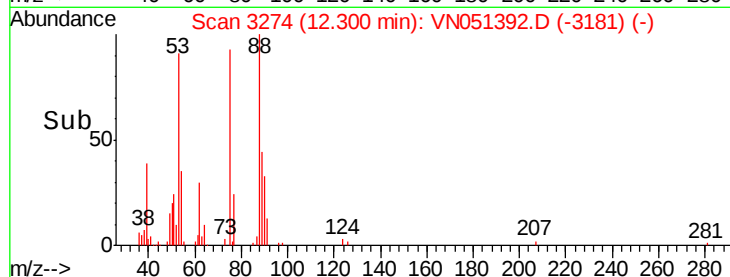
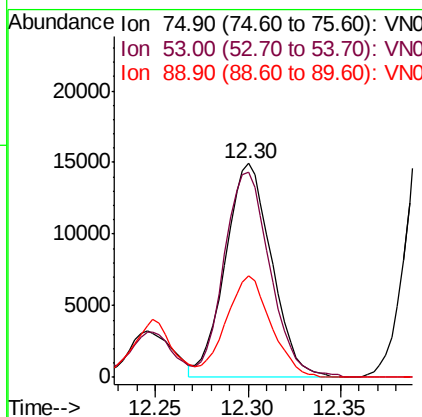
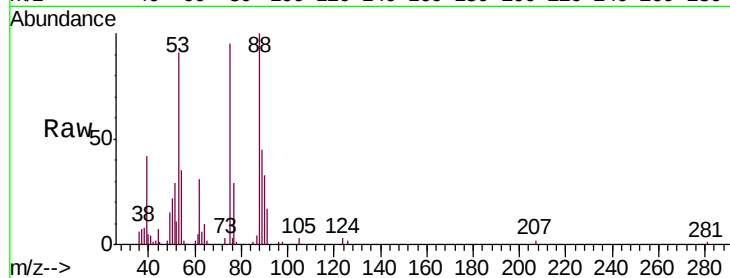
ClientSampled :

VSTDIC020

Tgt Ion:	75	Resp:	25822
Ion	Ratio	Lower	Upper
75	100		
53	95.5	73.9	110.9
89	46.2	36.7	55.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 16.496 ug/l

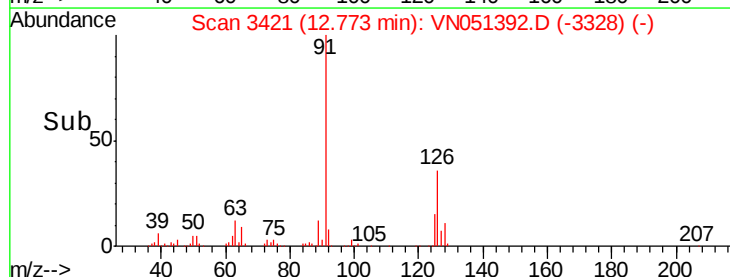
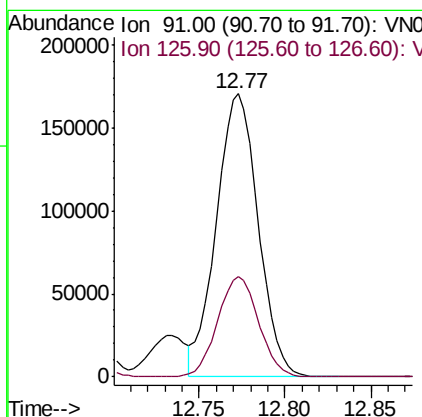
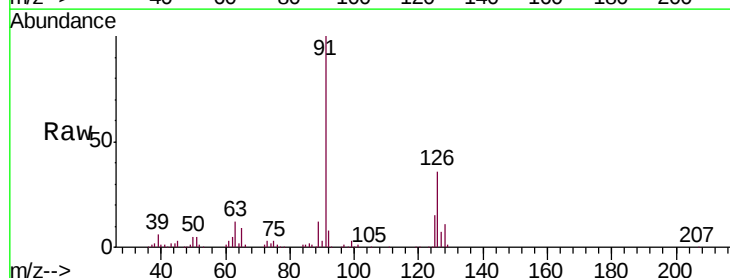
RT: 12.77 min Scan# 3421

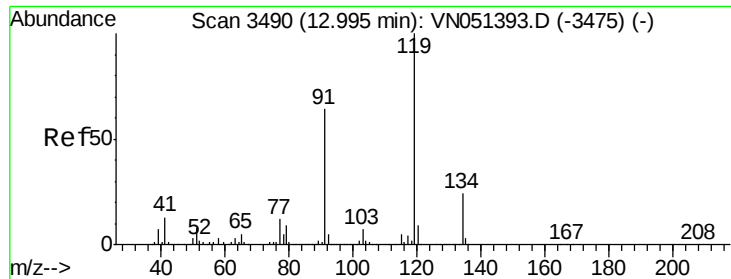
Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion:	91	Resp:	288627
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5





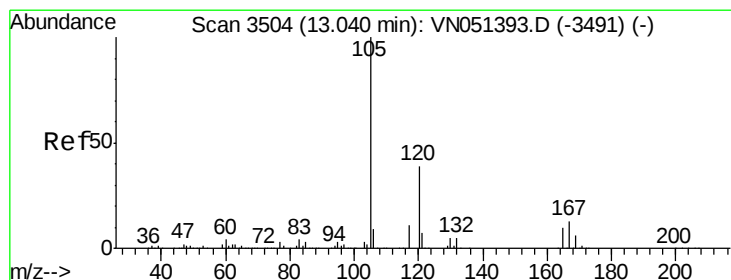
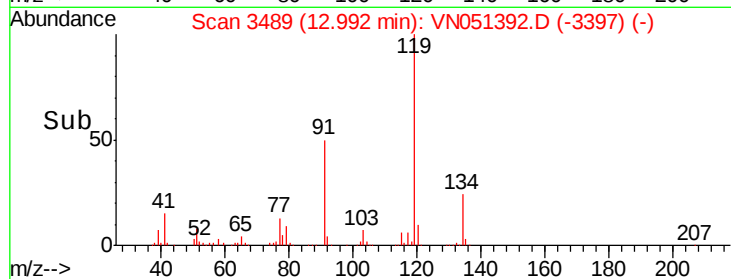
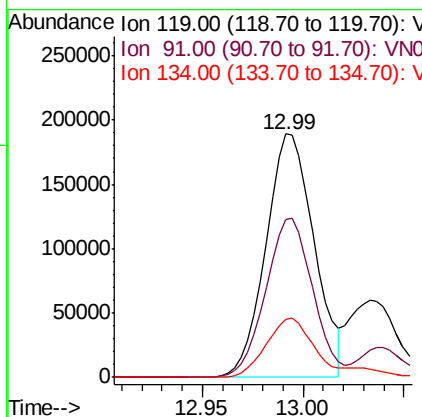
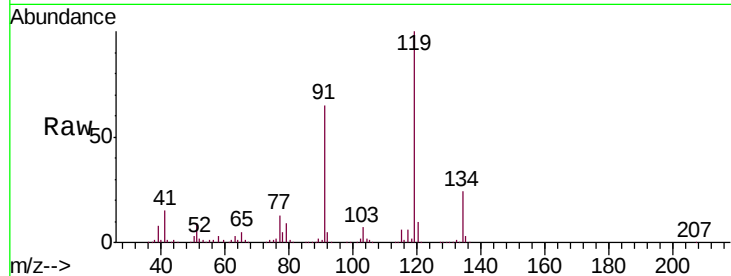
#83
 tert-Butylbenzene
 Concen: 16.658 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	314172		
91	63.9	31.7	95.1	
134	24.0	12.3	36.9	

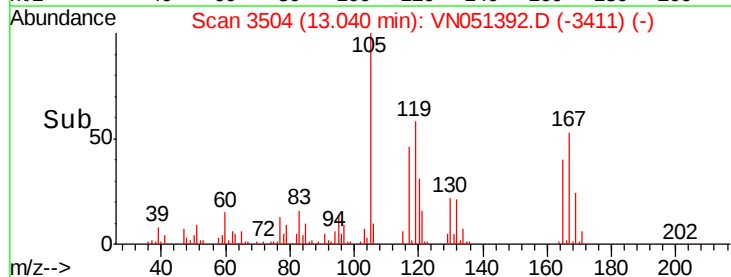
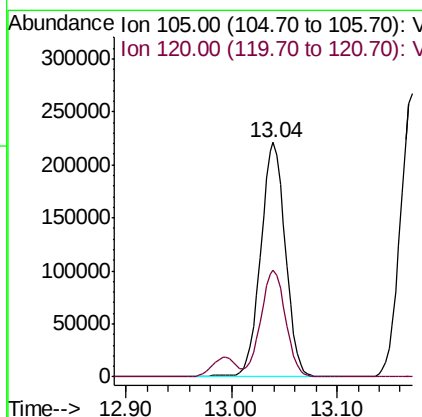
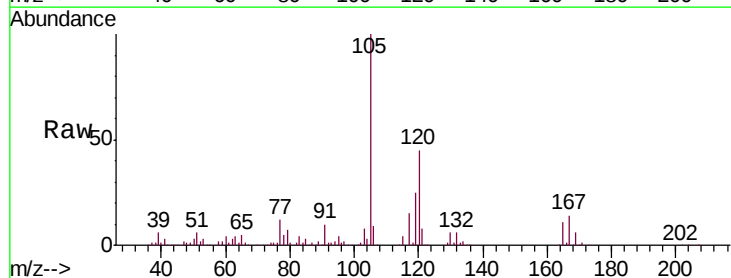
Manual Integrations
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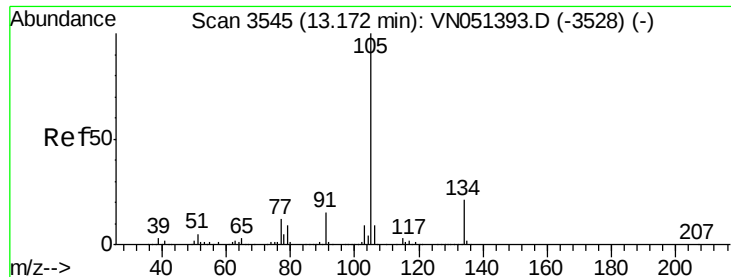
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 16.952 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	361955		
120	45.7	22.9	68.7	





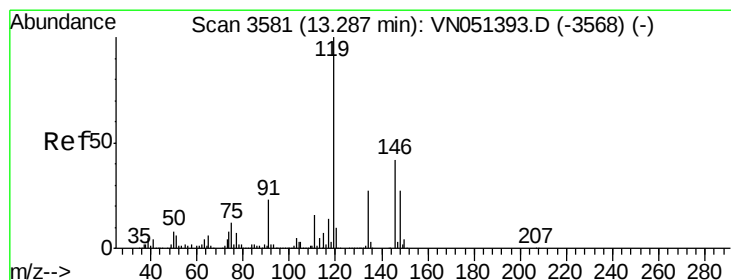
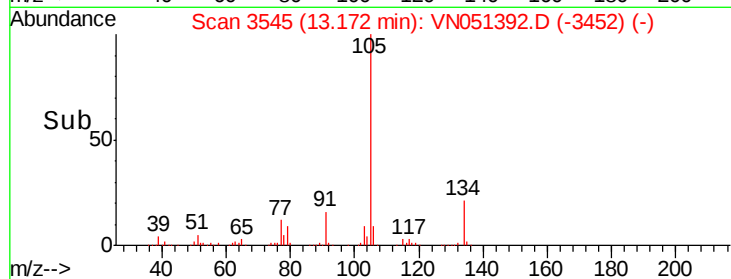
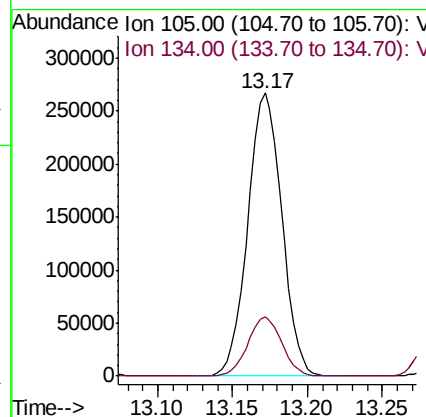
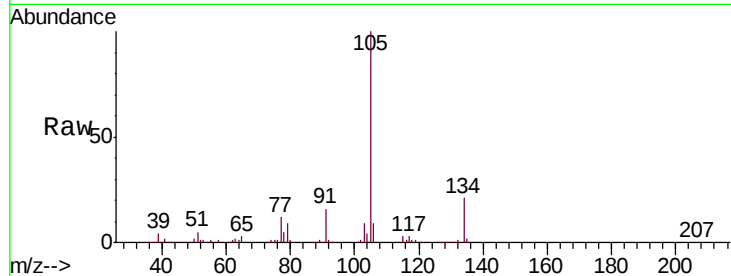
#85
 sec-Butylbenzene
 Concen: 16.541 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.1

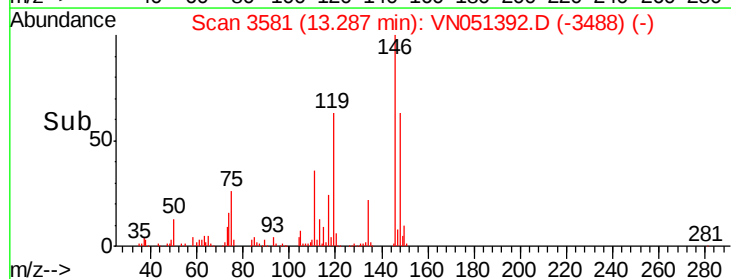
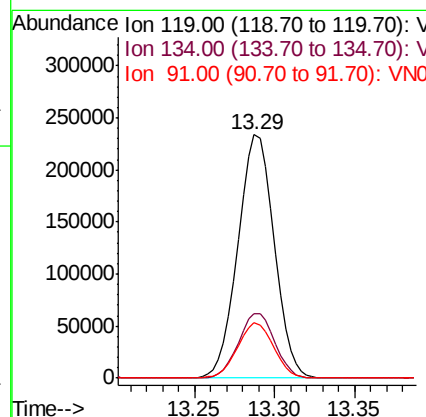
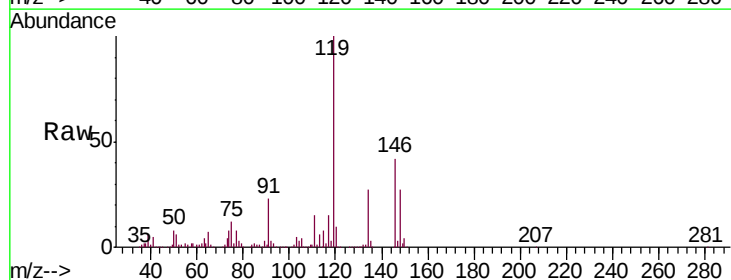
Manual Integrations
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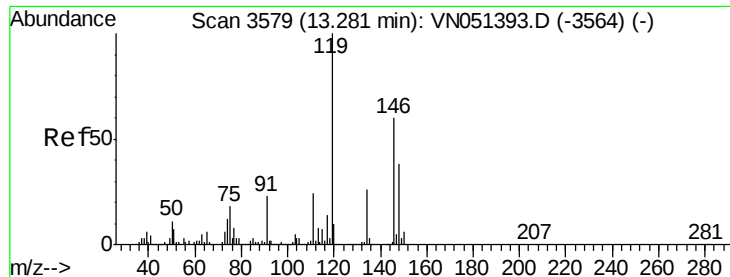
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 9/24/2018 2:15:18 PM



#86
 p-Isopropyltoluene
 Concen: 16.291 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.9
91	22.8	11.4	34.2





#87

1,3-Dichlorobenzene

Concen: 16.239 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

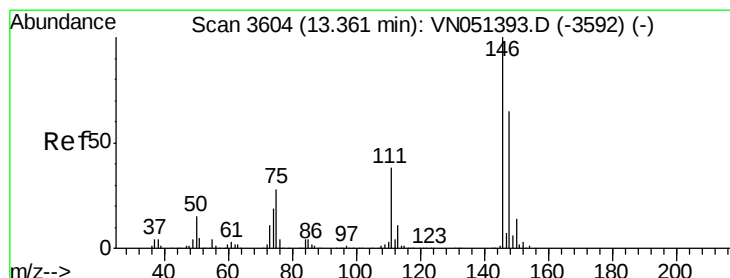
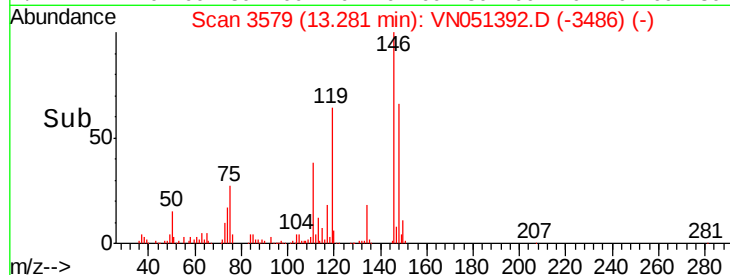
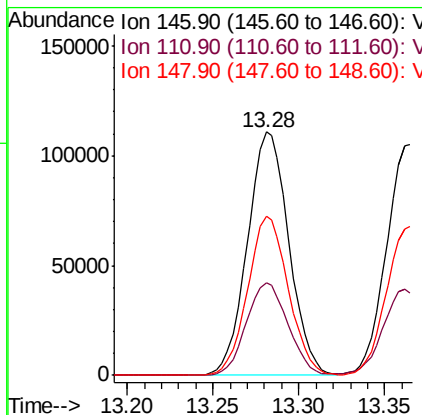
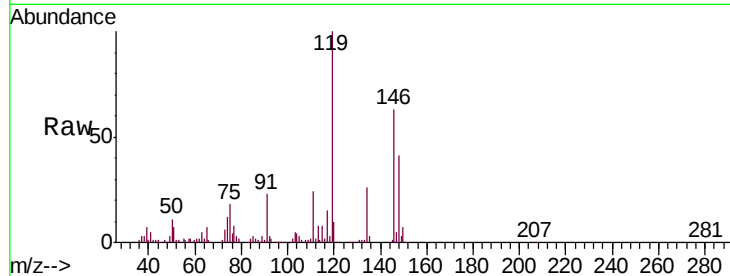
ClientSampled :

VSTDIC020

Tgt Ion:	146	Resp:	184856
Ion Ratio	Lower	Upper	
146	100		
111	38.2	19.7	59.1
148	64.1	31.9	95.7

Manual Integrations
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9/24/2018 2:15:18 PM



#88

1,4-Dichlorobenzene

Concen: 16.064 ug/l

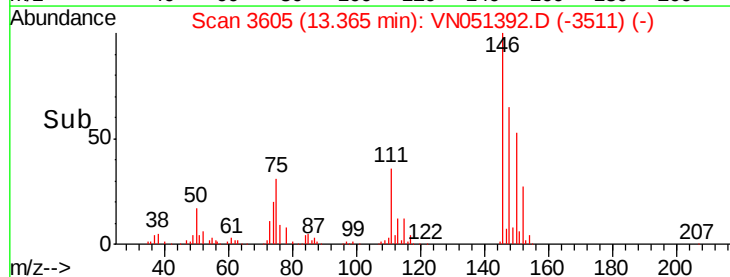
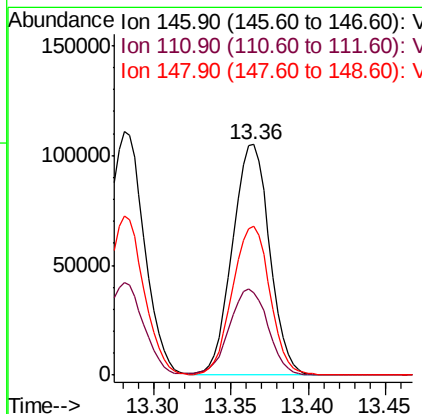
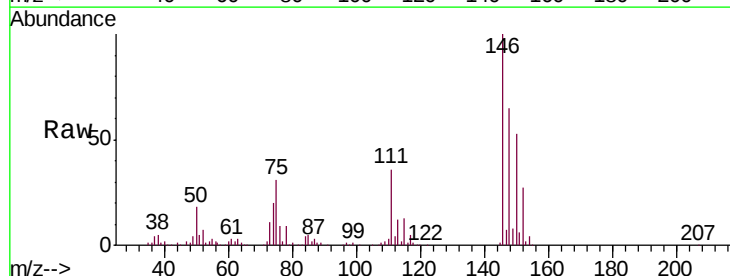
RT: 13.36 min Scan# 3605

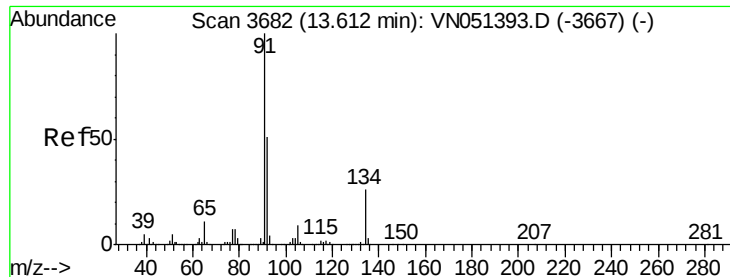
Delta R.T. 0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion:	146	Resp:	175957
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.1	57.1
148	65.2	32.5	97.5





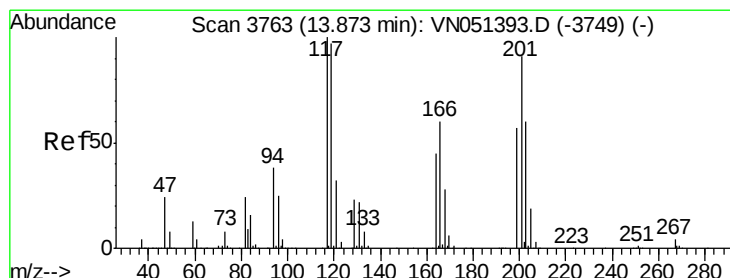
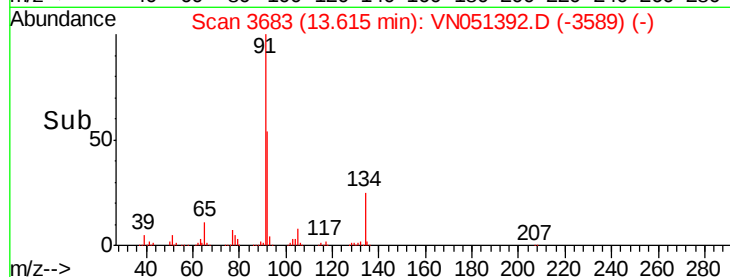
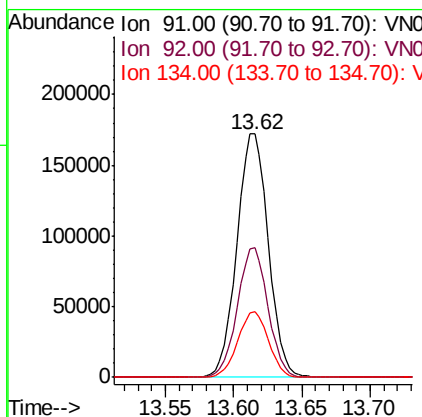
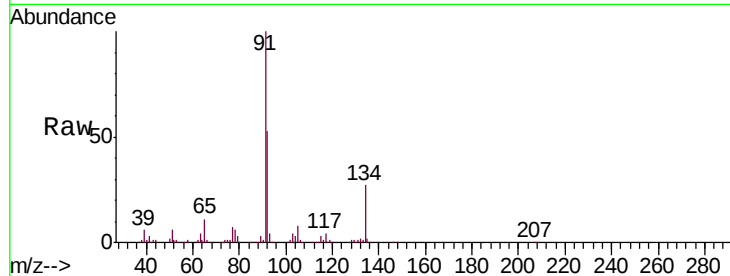
#89
n-Butylbenzene
Concen: 15.161 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.5	76.5
134	26.3	13.3	39.8

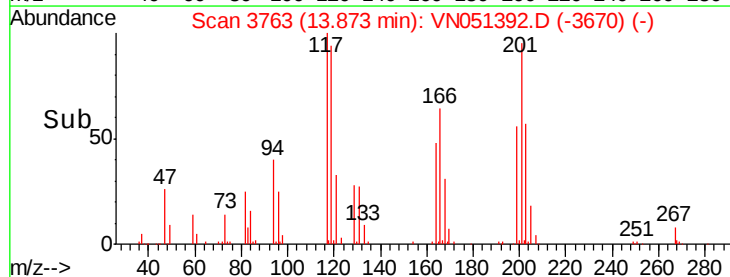
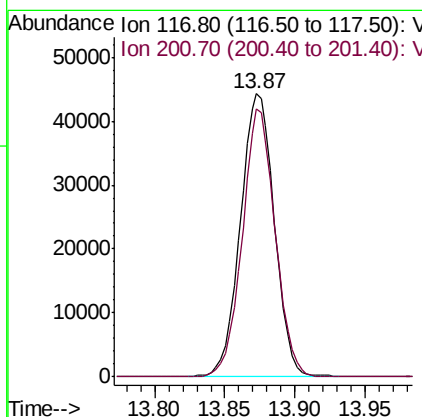
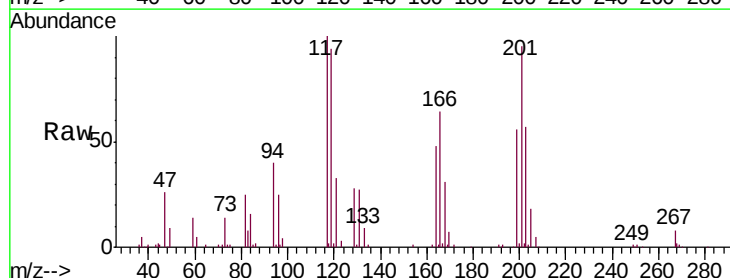
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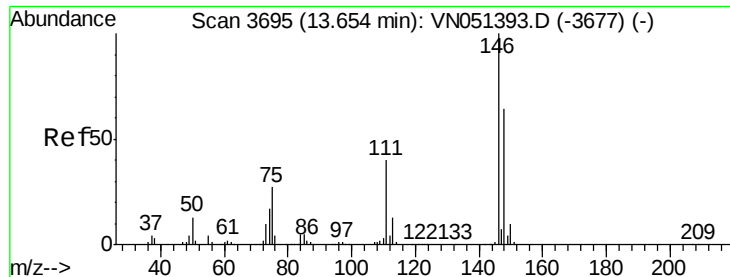
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#90
Hexachloroethane
Concen: 16.940 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051392.D
Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.4	45.5	136.4





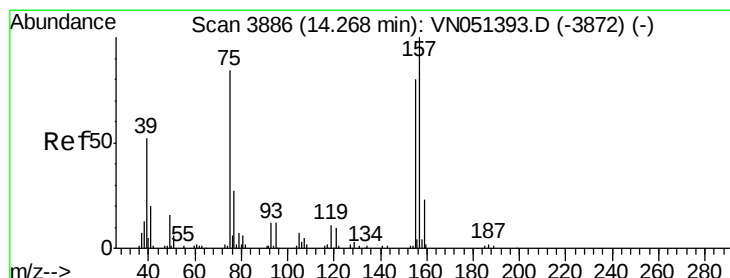
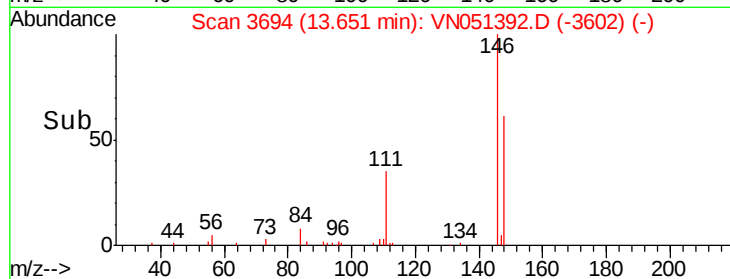
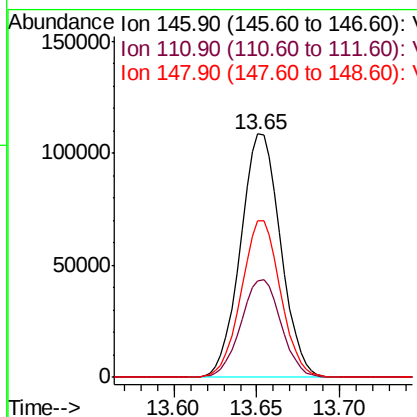
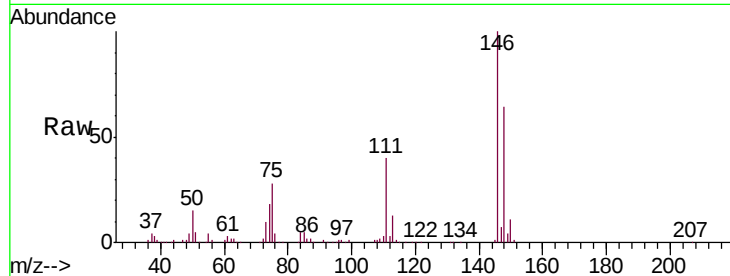
#91
 1,2-Dichlorobenzene
 Concen: 16.511 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	182363		
111	40.2	20.0	60.0	
148	63.1	32.1	96.5	

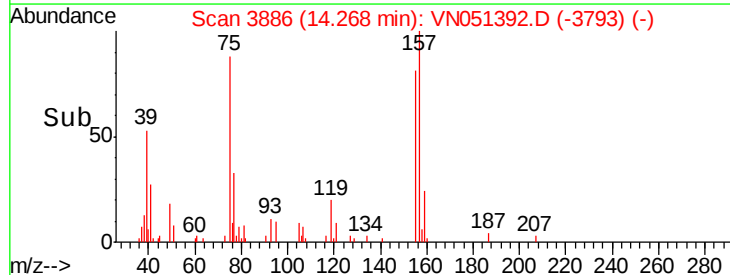
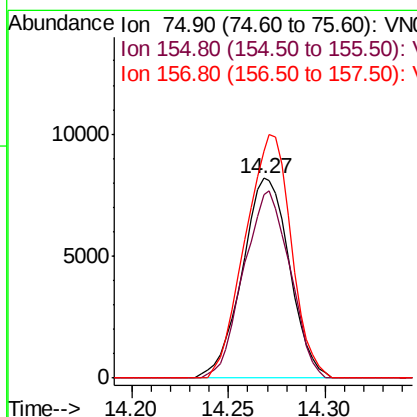
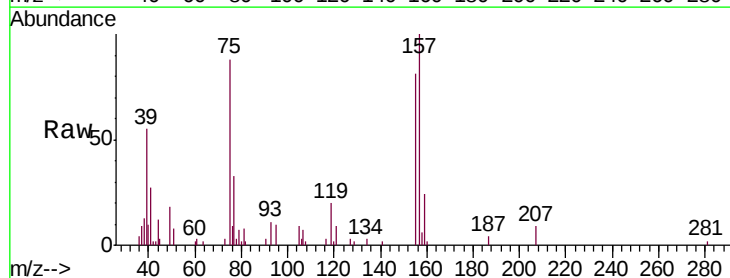
Manual Integrations
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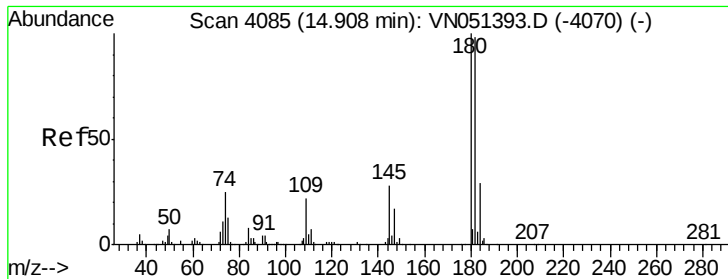
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.147 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	13963		
155	91.4	46.9	140.6	
157	118.4	58.4	175.1	





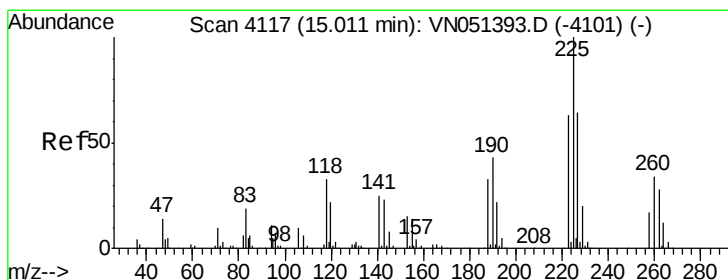
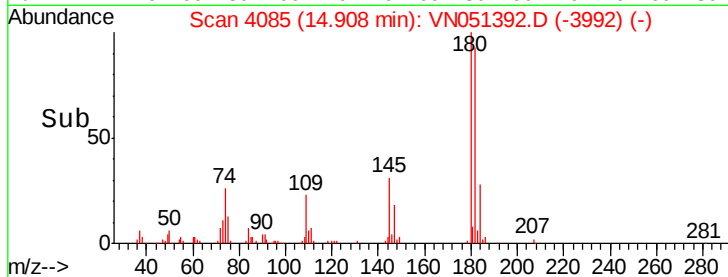
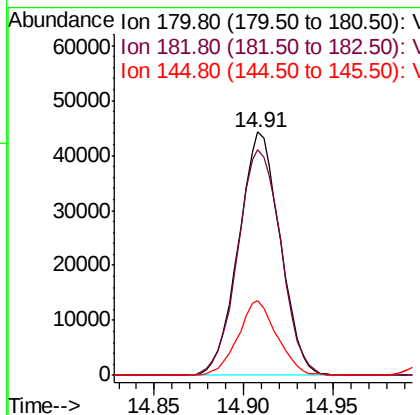
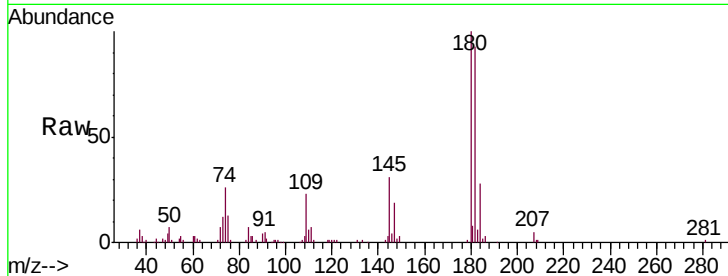
#93
 1,2,4-Trichlorobenzene
 Concen: 16.645 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	72129		
182	96.6	48.5	145.6	
145	28.8	14.1	42.4	

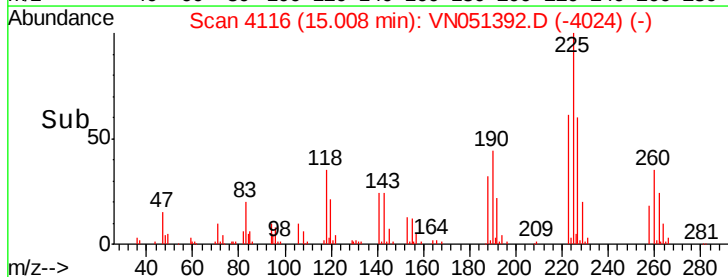
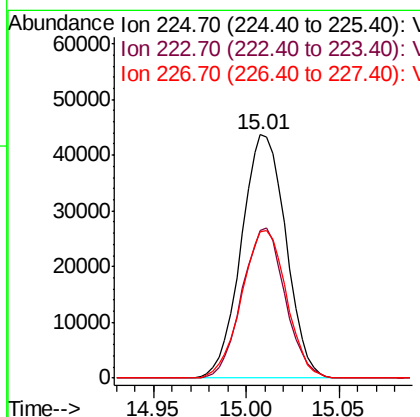
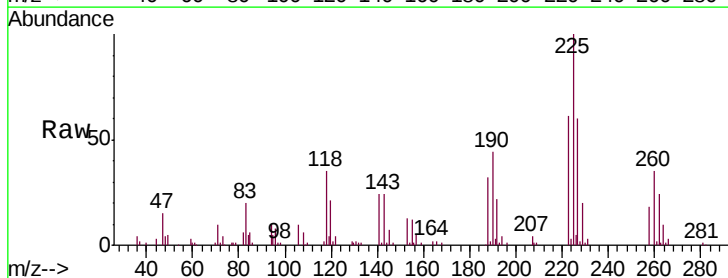
Manual Integrations
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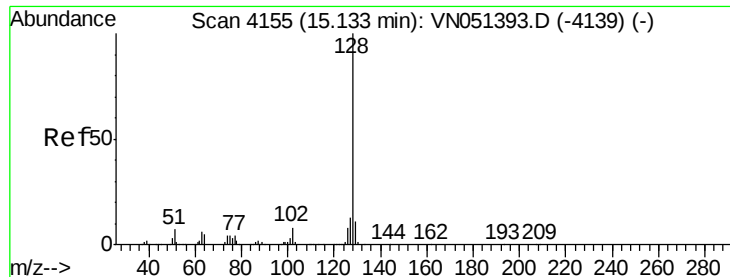
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#94
 Hexachlorobutadiene
 Concen: 17.517 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051392.D
 Acq: 22 Sep 2018 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73202		
223	59.5	31.9	95.9	
227	61.0	32.5	97.5	





#95

Naphthalene

Concen: 16.996 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Instrument :

MSVOA_N

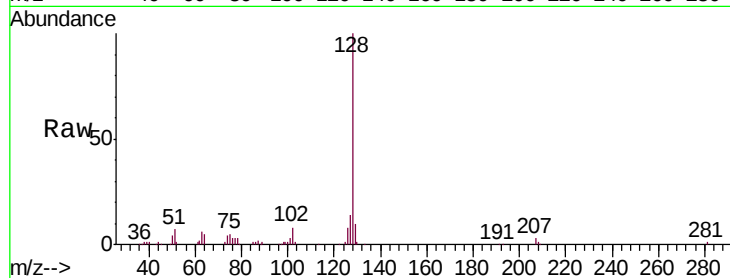
ClientSampleId :

VSTDIC020

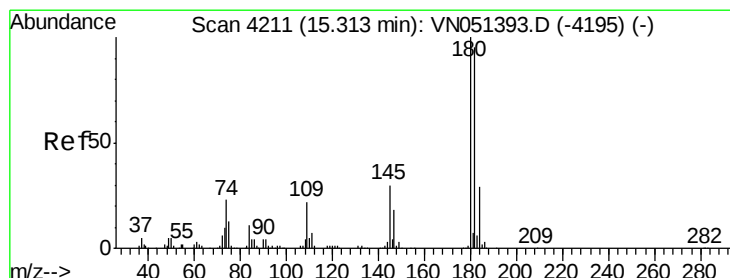
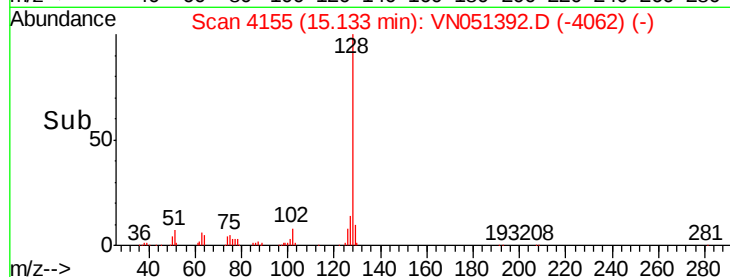
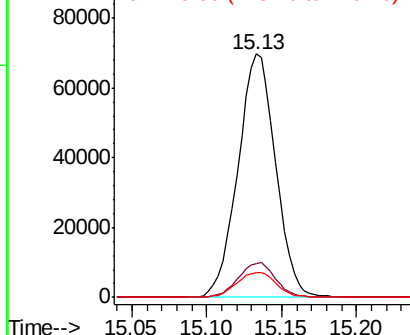
Tgt Ion:	128	Resp:	122156
Ion Ratio		Lower	Upper
128	100		
127	14.0	10.5	15.7
129	10.6	8.6	12.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 14.517 ug/l

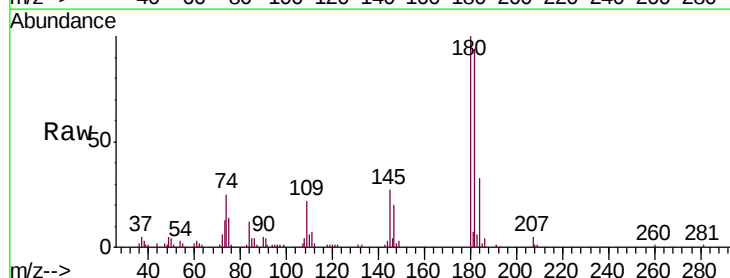
RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051392.D

Acq: 22 Sep 2018 12:42

Tgt Ion:	180	Resp:	76950
Ion Ratio		Lower	Upper
180	100		
182	93.6	47.2	141.6
145	28.3	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

