

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092418\
 Data File : VN051453.D
 Acq On : 24 Sep 2018 11:52
 Operator : MD\SY
 Sample : VN0924WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2018 11:31:02 AM

Quant Time: Sep 25 03:06:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	509008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	727631	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	636628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	310703	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	323149	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
35) Dibromofluoromethane	7.59	113	289395	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.09	98	1067449	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
62) 4-Bromofluorobenzene	12.40	95	334506	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	89514	18.850	ug/l	97
3) Chloromethane	2.06	50	154073	20.381	ug/l	99
4) Vinyl Chloride	2.18	62	168766	20.227	ug/l	100
5) Bromomethane	2.57	94	109111	21.855	ug/l	99
6) Chloroethane	2.71	64	106755	20.534	ug/l	98
7) Trichlorofluoromethane	3.02	101	215615	19.729	ug/l	98
8) Diethyl Ether	3.41	74	61856	16.176	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111209	18.031	ug/l	99
10) Methyl Iodide	3.96	142	144755	17.846	ug/l	96
11) Tert butyl alcohol	4.79	59	34006	94.498	ug/l #	95
12) 1,1-Dichloroethene	3.74	96	99614	17.589	ug/l	99
13) Acrolein	3.61	56	33159	92.794	ug/l	96
14) Allyl chloride	4.33	41	171597	18.060	ug/l	98
15) Acrylonitrile	4.99	53	179402	91.645	ug/l	100
16) Acetone	3.82	43	129105	74.196	ug/l	100
17) Carbon Disulfide	4.06	76	291924	17.545	ug/l	98
18) Methyl Acetate	4.33	43	93154	19.183	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	275356	18.855	ug/l	99
20) Methylene Chloride	4.55	84	119112	18.878	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	106013	18.299	ug/l	96
22) Diisopropyl ether	5.96	45	370166	20.154	ug/l	99
23) Vinyl Acetate	5.90	43	1151369	95.485	ug/l	100
24) 1,1-Dichloroethane	5.85	63	219213	20.004	ug/l	98
25) 2-Butanone	6.84	43	200003	91.642	ug/l	98
26) 2,2-Dichloropropane	6.82	77	173070	20.232	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	120022	18.881	ug/l	94
28) Bromochloromethane	7.20	49	93514	18.479	ug/l	100
29) Tetrahydrofuran	7.22	42	133435	96.480	ug/l	98
30) Chloroform	7.37	83	218257	20.100	ug/l	100
31) Cyclohexane	7.66	56	187442	18.669	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	187899	20.241	ug/l	100
36) 1,1-Dichloropropene	7.79	75	160812	19.085	ug/l	98
37) Ethyl Acetate	6.93	43	91717	18.931	ug/l	98
38) Carbon Tetrachloride	7.77	117	169900	19.278	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	175027	17.769	ug/l	96
40) Benzene	8.04	78	483378	19.538	ug/l	100
41) Methacrylonitrile	7.17	41	46184	17.231	ug/l	94
42) 1,2-Dichloroethane	8.13	62	153947	19.433	ug/l	99
43) Isopropyl Acetate	8.17	43	166769	19.036	ug/l	100
44) Trichloroethene	8.84	130	125002	19.022	ug/l	99
45) 1,2-Dichloropropane	9.12	63	131501	19.553	ug/l	100
46) Dibromomethane	9.21	93	74525	19.612	ug/l	98
47) Bromodichloromethane	9.40	83	165314	19.659	ug/l	98
48) Methyl methacrylate	9.20	41	80469	18.424	ug/l	99
49) 1,4-Dioxane	9.20	88	20523	383.403	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	454778	94.392	ug/l	99
52) Toluene	10.16	92	291452	18.956	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	156230	18.402	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	186630	18.956	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	105391	19.395	ug/l	99
56) Ethyl methacrylate	10.43	69	122177	18.390	ug/l	99
57) 1,3-Dichloropropane	10.71	76	179878	19.313	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	310331	99.649	ug/l	99
59) 2-Hexanone	10.75	43	275165	88.101	ug/l	97
60) Dibromochloromethane	10.90	129	121572	18.962	ug/l	100
61) 1,2-Dibromoethane	11.01	107	97069	18.401	ug/l	99
64) Tetrachloroethene	10.63	164	115650	20.017	ug/l	97
65) Chlorobenzene	11.43	112	312304	19.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	123198	19.797	ug/l	99
67) Ethyl Benzene	11.51	91	520848	18.921	ug/l	99
68) m/p-Xylenes	11.62	106	405439	38.078	ug/l	100
69) o-Xylene	11.95	106	192753	18.831	ug/l	97
70) Styrene	11.96	104	305373	18.827	ug/l	99
71) Bromoform	12.13	173	77789	18.422	ug/l #	99
73) Isopropylbenzene	12.25	105	515519	19.665	ug/l	100
74) N-amyl acetate	12.07	43	120864	18.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	124819	20.418	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	98494m	19.096	ug/l	
77) Bromobenzene	12.53	156	129465	19.508	ug/l	99
78) n-propylbenzene	12.59	91	581244	19.673	ug/l	99
79) 2-Chlorotoluene	12.67	91	351739	19.889	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	428111	20.028	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30886	18.413	ug/l	95
82) 4-Chlorotoluene	12.77	91	348595	19.749	ug/l	97
83) tert-Butylbenzene	12.99	119	375981	19.761	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	439957	20.425	ug/l	99
85) sec-Butylbenzene	13.17	105	511573	19.875	ug/l	100
86) p-Isopropyltoluene	13.29	119	435350	19.547	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	218923	19.063	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	209322	18.943	ug/l	98
89) n-Butylbenzene	13.61	91	338483	18.481	ug/l	99
90) Hexachloroethane	13.87	117	87604	19.741	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	217440	19.514	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16820	19.280	ug/l	96

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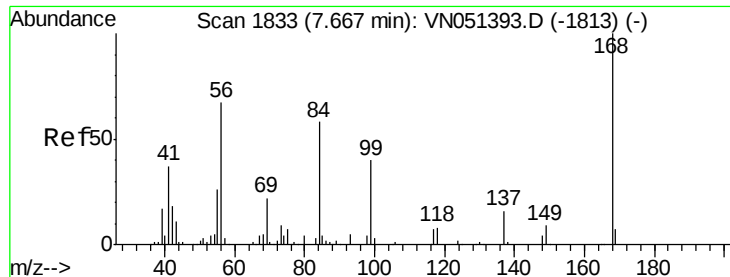
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	93853	19.736	ug/l	99
94) Hexachlorobutadiene	15.01	225	84199	19.971	ug/l	99
95) Naphthalene	15.13	128	163471	19.918	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	97668	18.264	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion:168 Resp: 509008

Ion Ratio Lower Upper

168 100

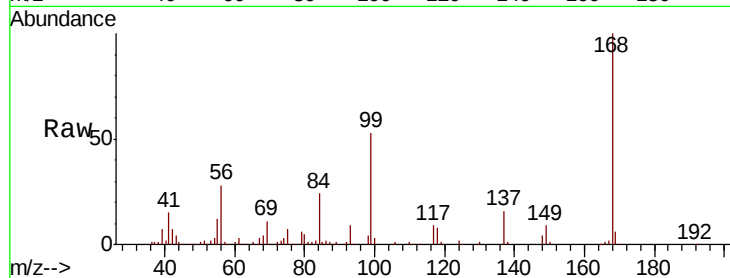
99 52.9 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

100000

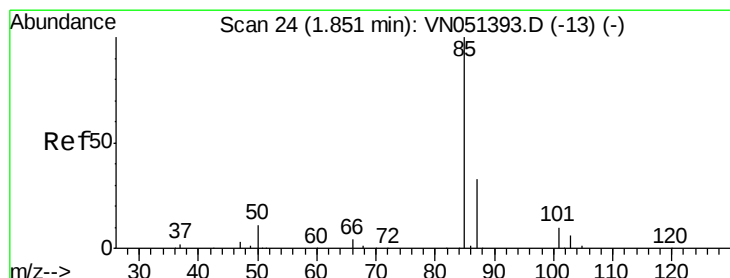
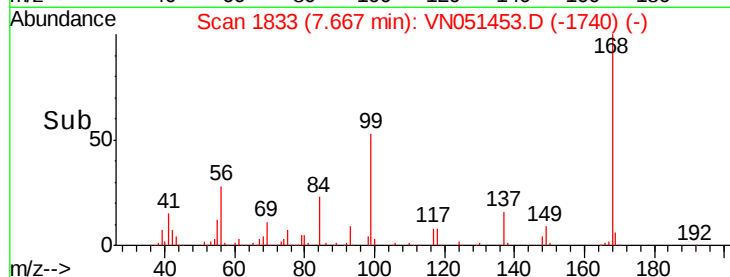
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.850 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051453.D

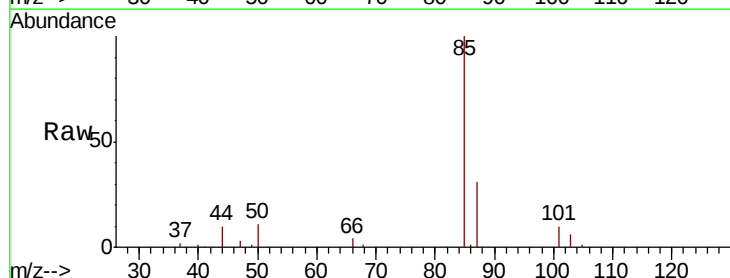
Acq: 24 Sep 2018 11:52

Tgt Ion: 85 Resp: 89514

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

40000

20000

0

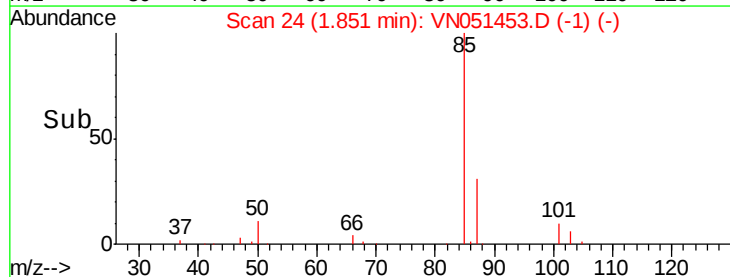
1.80

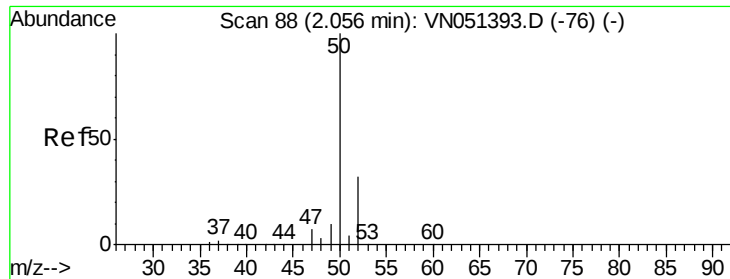
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 20.381 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 50 Resp: 154073

Ion Ratio Lower Upper

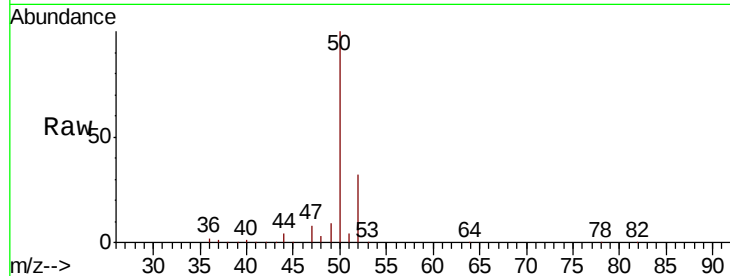
50 100

52 32.5 25.7 38.5

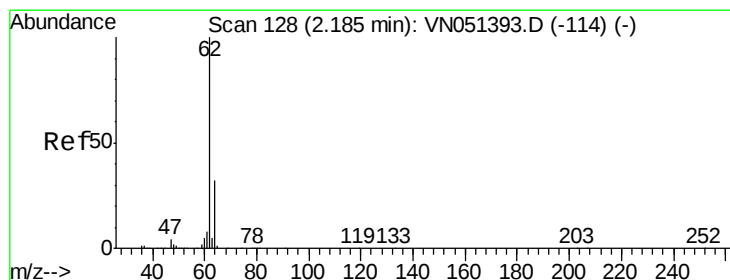
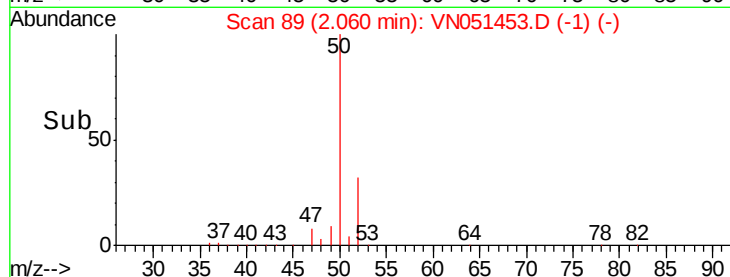
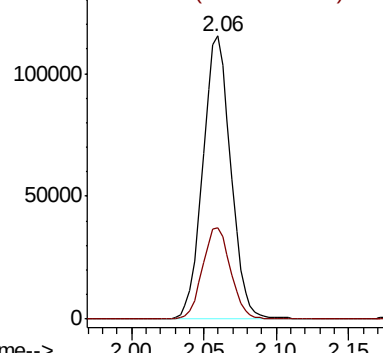
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.227 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051453.D

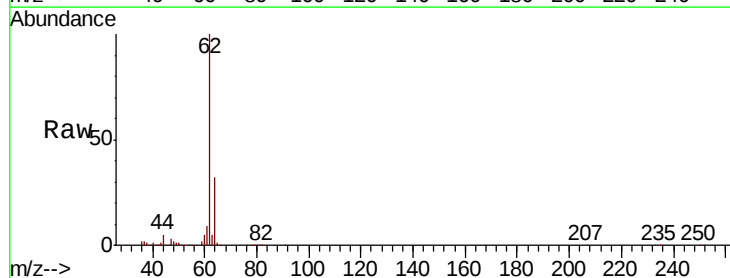
Acq: 24 Sep 2018 11:52

Tgt Ion: 62 Resp: 168766

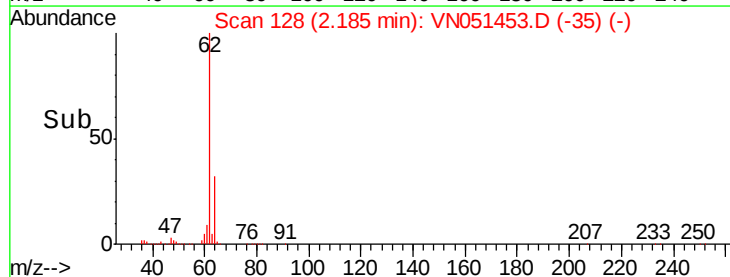
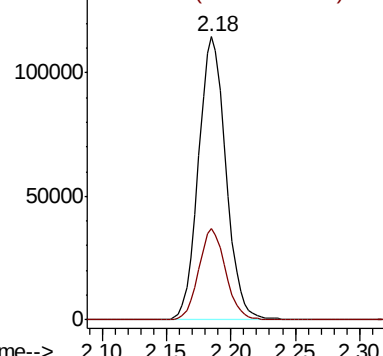
Ion Ratio Lower Upper

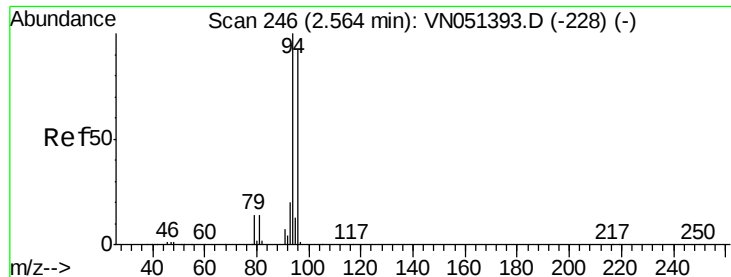
62 100

64 32.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 21.855 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 94 Resp: 109111

Ion Ratio Lower Upper

94 100

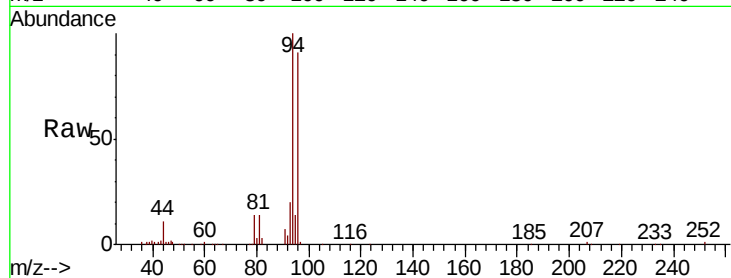
96 90.8 73.6 110.4

Manual Integrations

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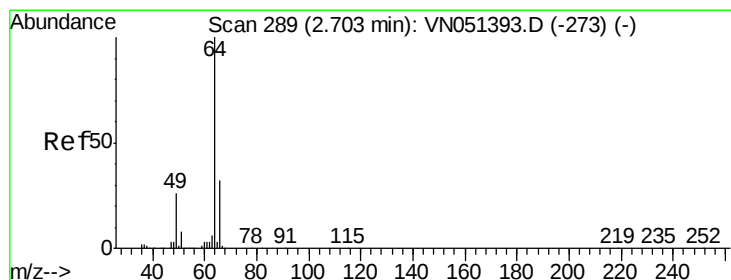
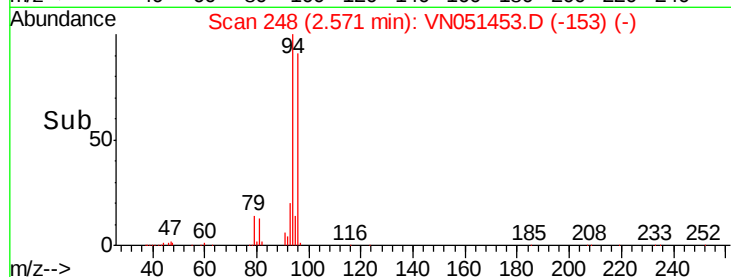
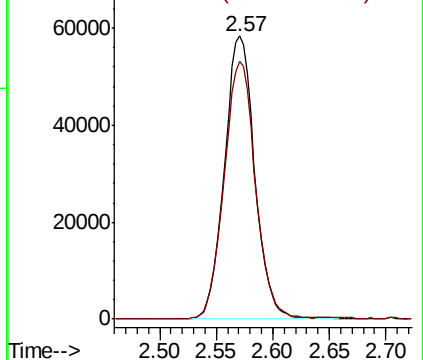
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.534 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051453.D

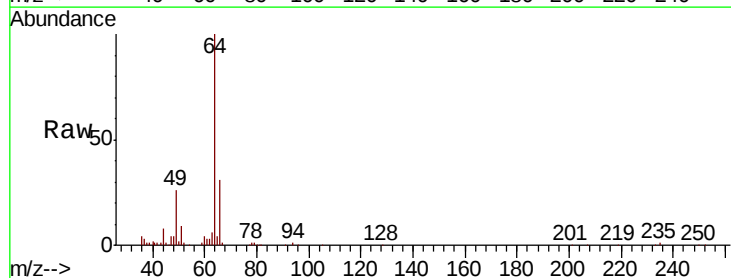
Acq: 24 Sep 2018 11:52

Tgt Ion: 64 Resp: 106755

Ion Ratio Lower Upper

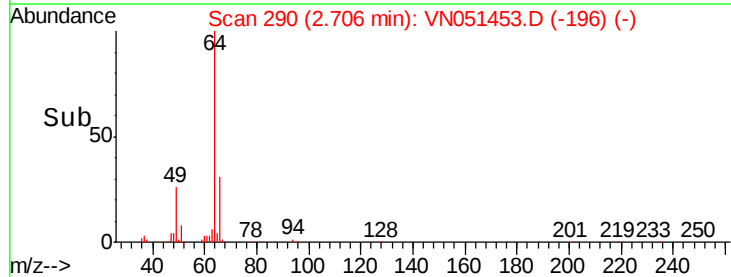
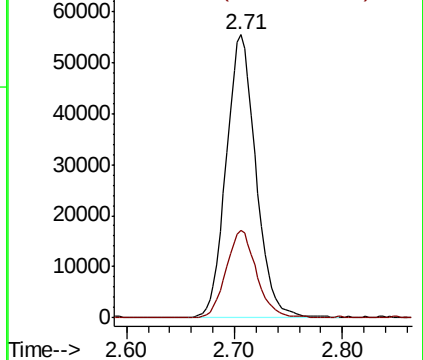
64 100

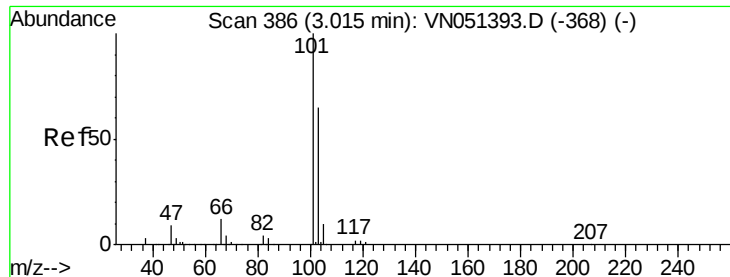
66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

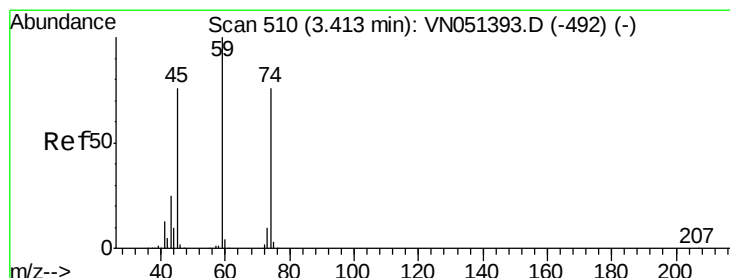
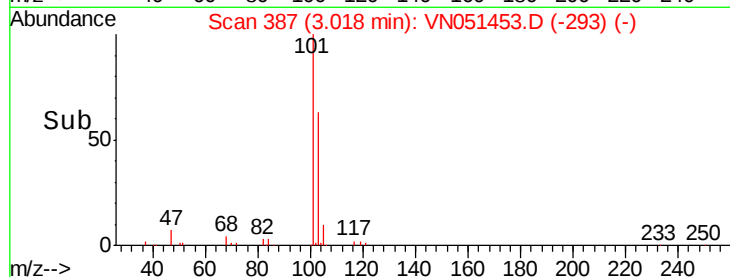
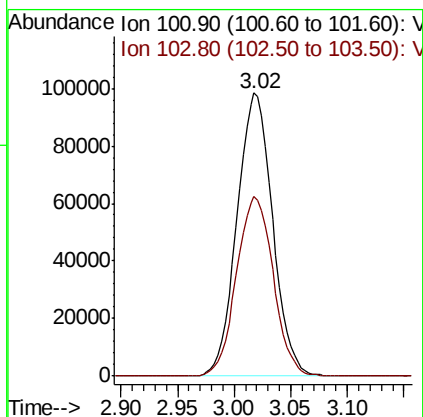
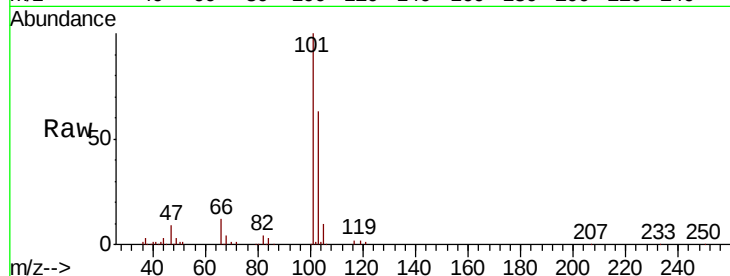
Trichlorofluoromethane
 Concen: 19.729 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
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 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	215615		
103	63.3	51.8	77.8	

Manual Integrations
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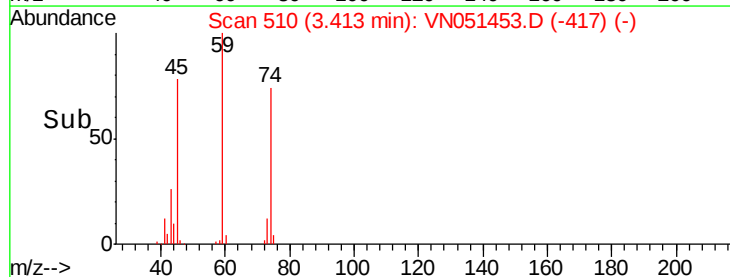
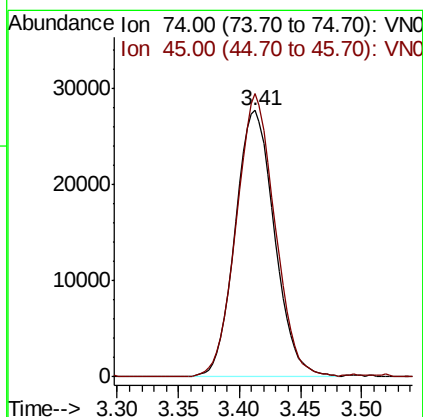
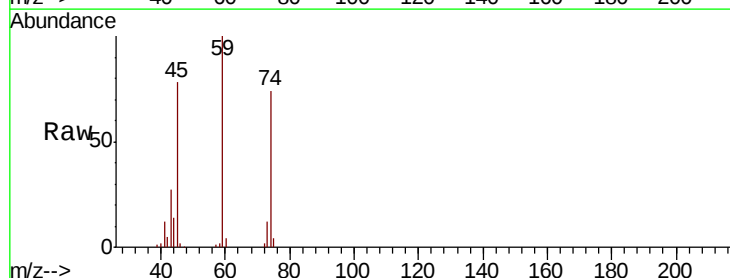
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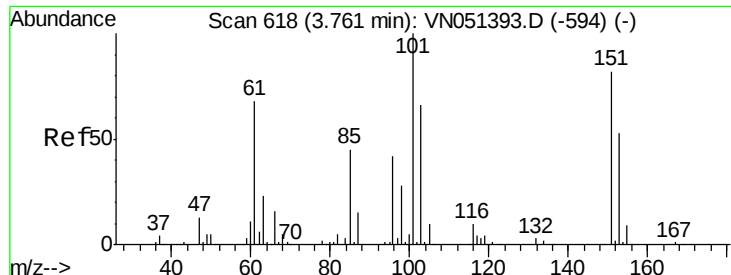


#8

Diethyl Ether
 Concen: 16.176 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	61856		
45	104.1	50.2	150.7	





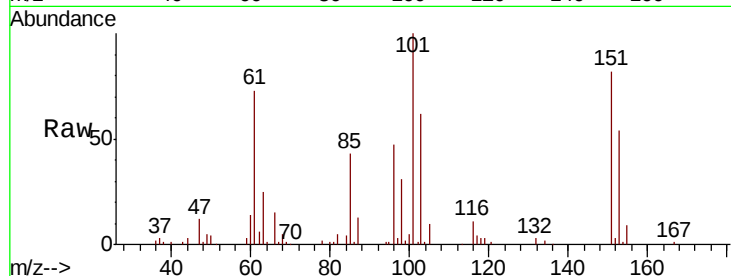
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.031 ug/l
RT: 3.76 min Scan# 618
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	111209		
85	43.0	33.9	50.9	
151	82.4	65.2	97.8	

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9/25/2018 11:31:02 AM

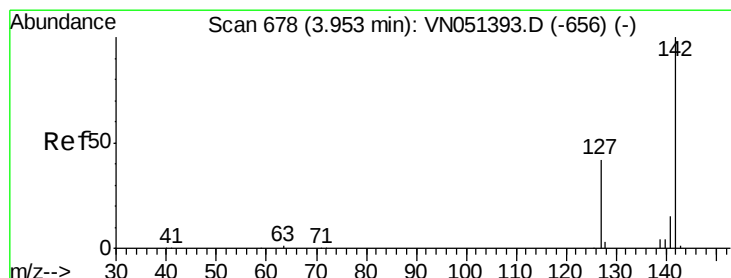
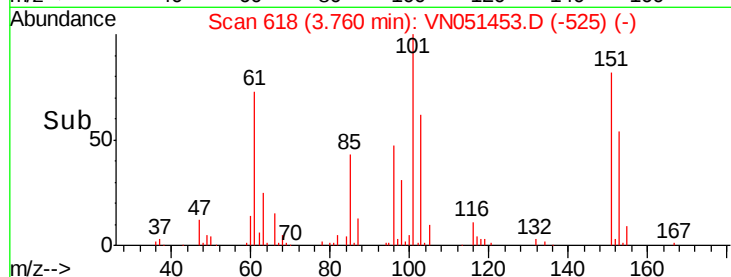
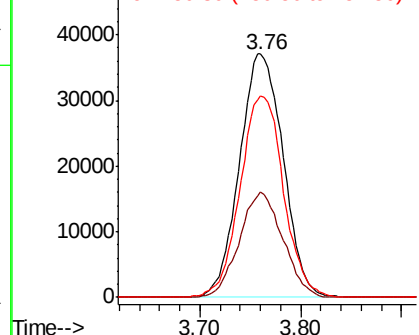


Abundance

Ion 100.90 (100.60 to 101.60): V

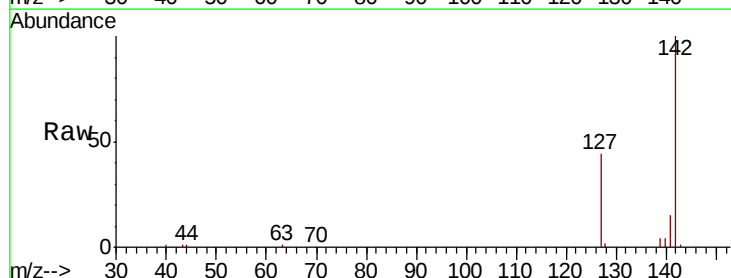
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 17.846 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	144755		
127	44.6	33.2	49.8	
141	15.1	11.5	17.3	

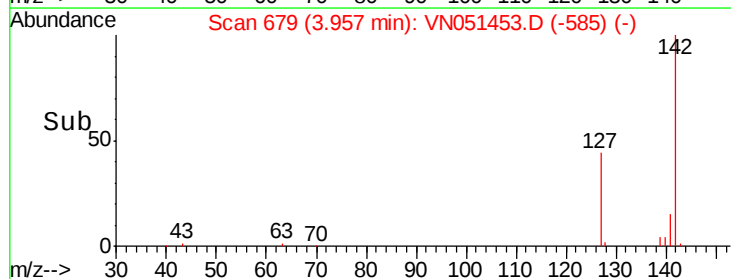
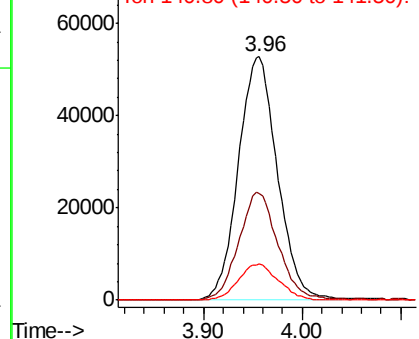


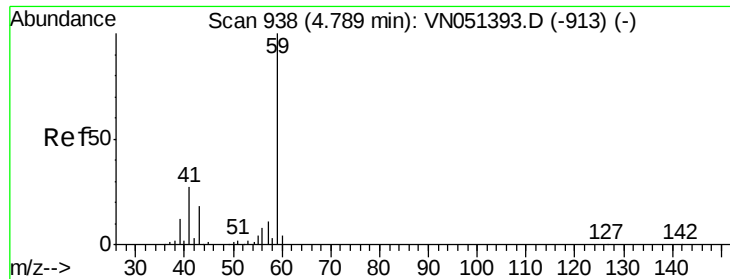
Abundance

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

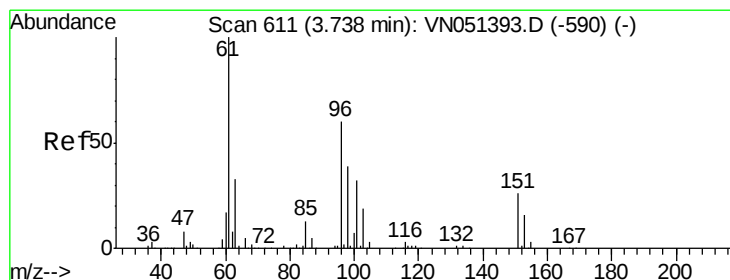
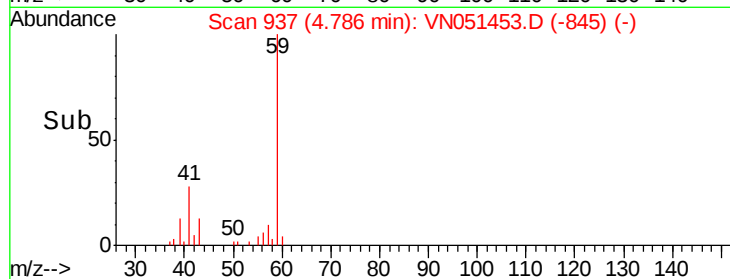
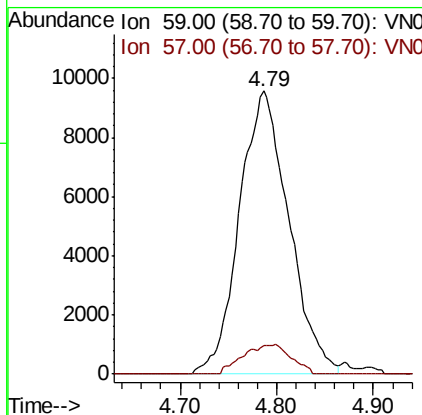
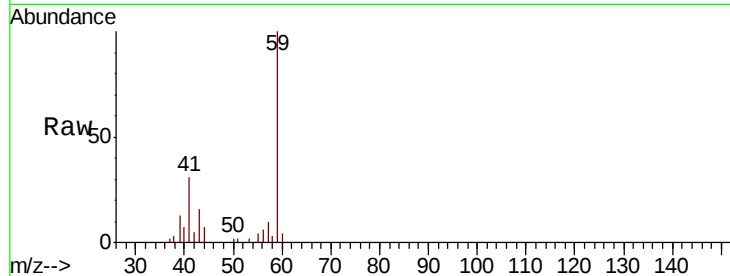
Tert butyl alcohol
 Concen: 94.498 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	6.2	9.2#

Manual Integrations
 APPROVED

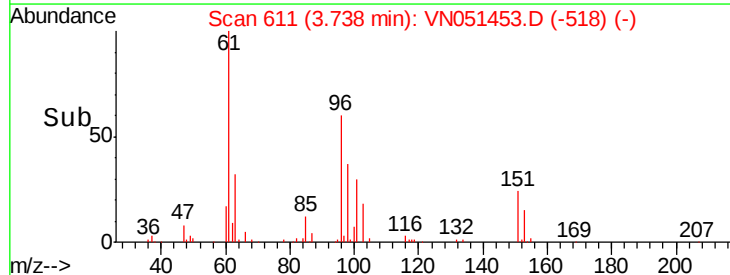
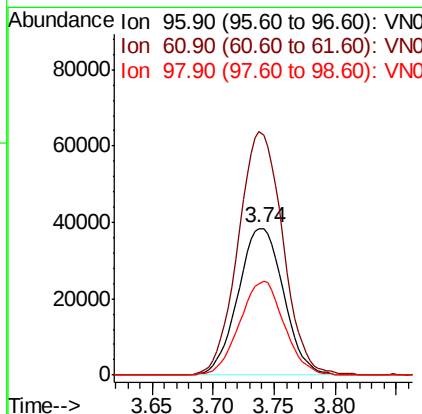
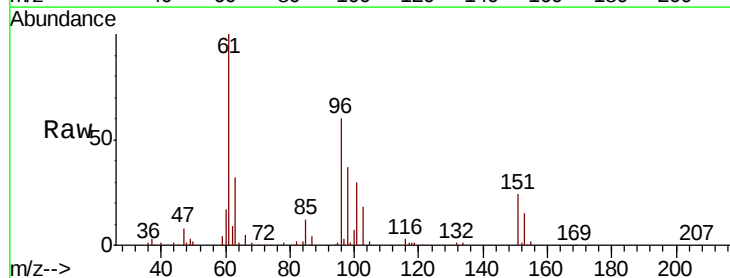
MMDadoda
 9/25/2018 11:31:02 AM

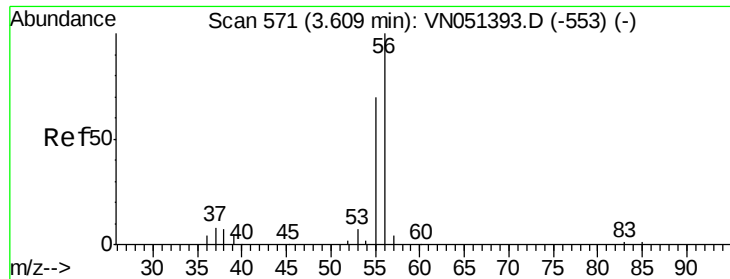


#12

1,1-Dichloroethene
 Concen: 17.589 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.4	133.6	200.4
98	62.3	52.2	78.2





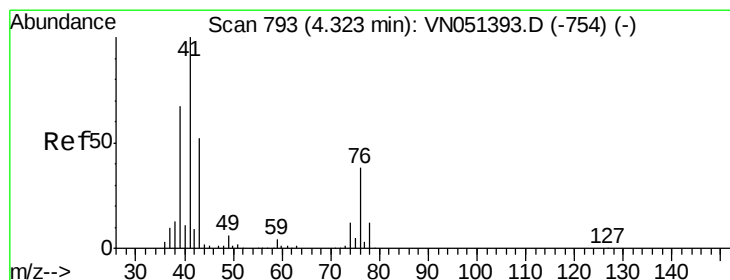
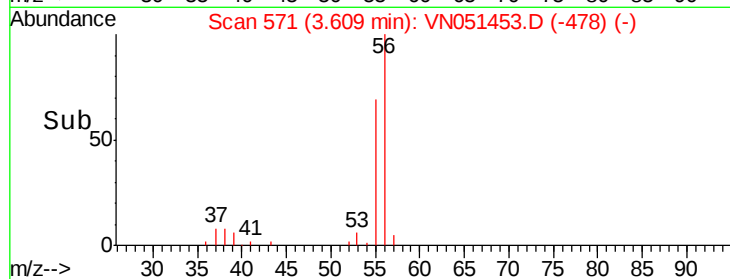
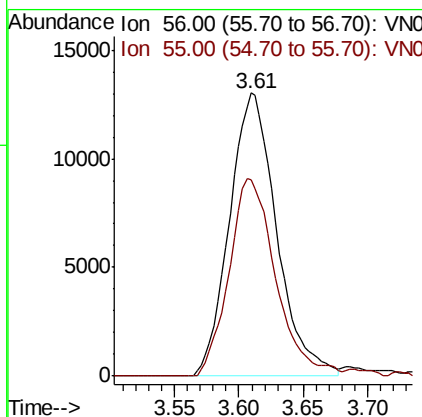
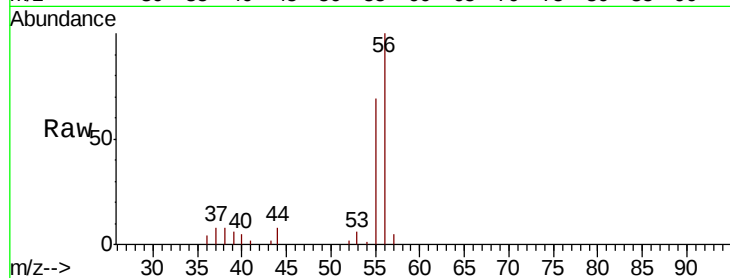
#13
Acrolein
Concen: 92.794 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampled :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.9	57.8	86.8

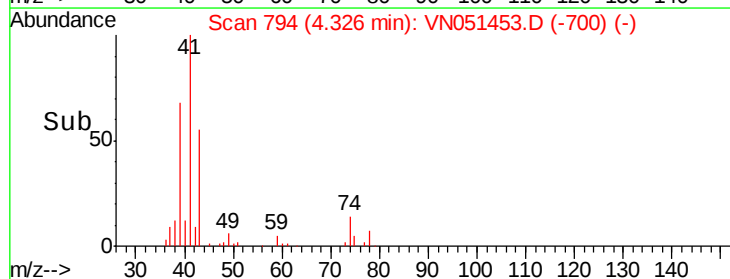
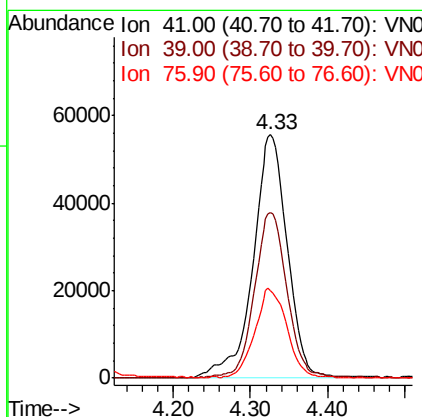
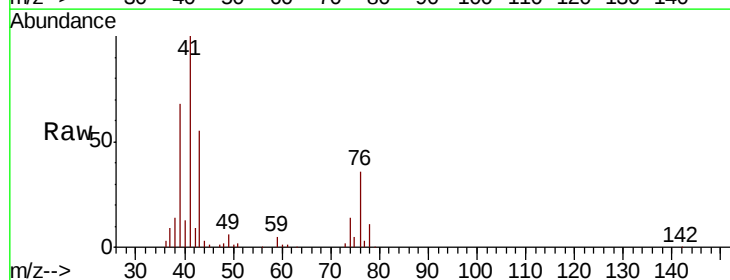
Manual Integrations
APPROVED

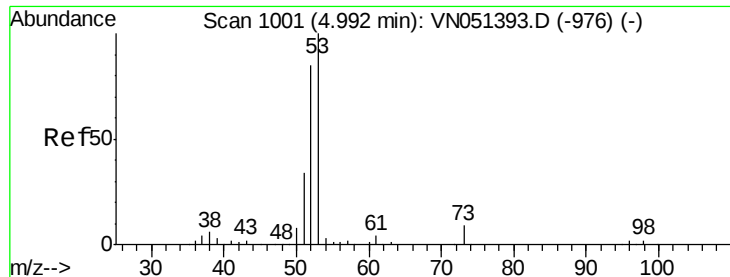
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#14
Allyl chloride
Concen: 18.060 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.0	51.4	77.2
76	33.5	28.1	42.1





#15

Acrylonitrile

Concen: 91.645 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

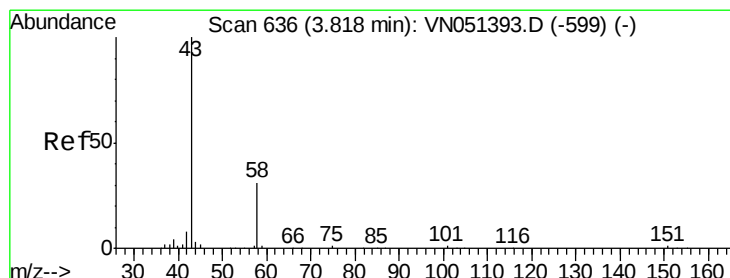
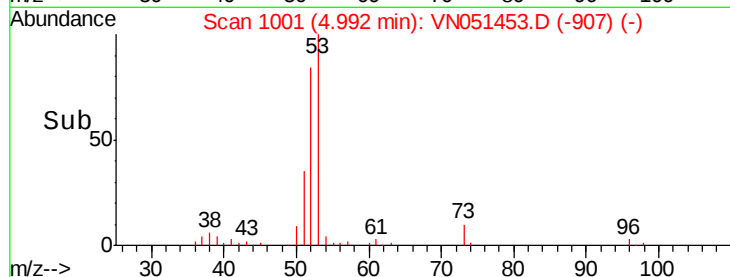
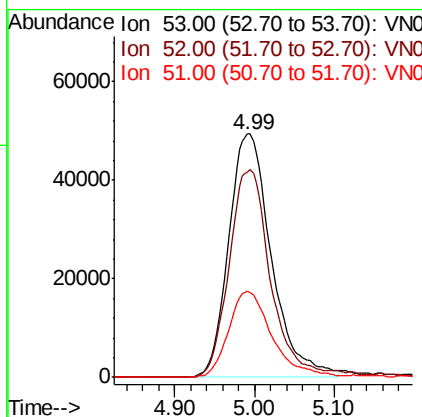
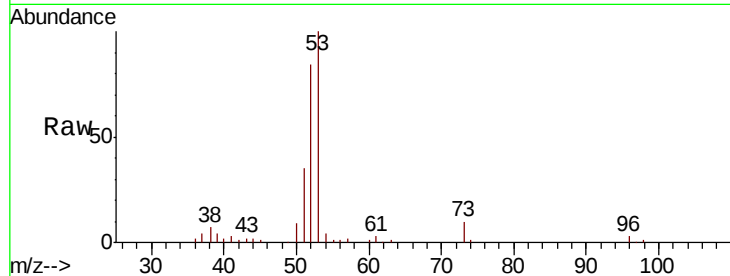
ClientSampleId :

VN0924WBSD01

Tot Ion:	53	Resp:	179402
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.2	99.2
51	36.1	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 74.196 ug/l

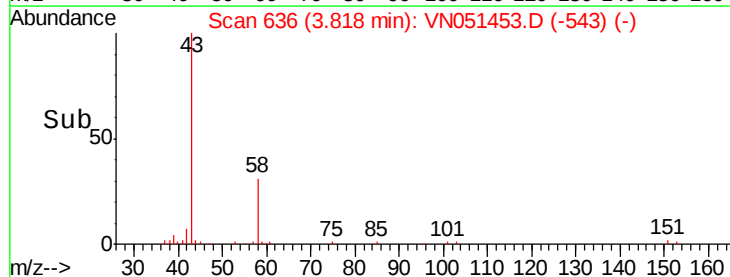
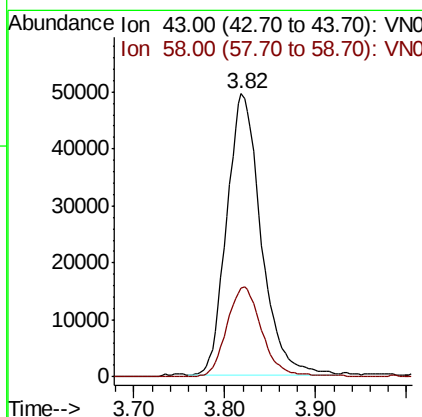
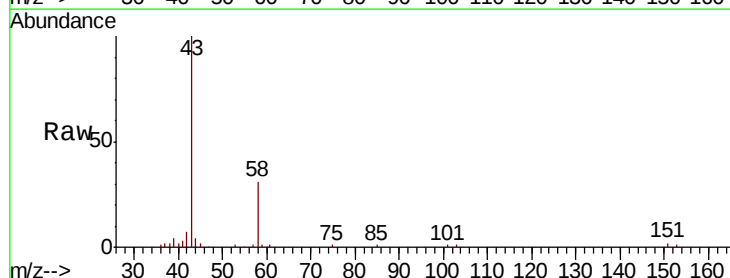
RT: 3.82 min Scan# 636

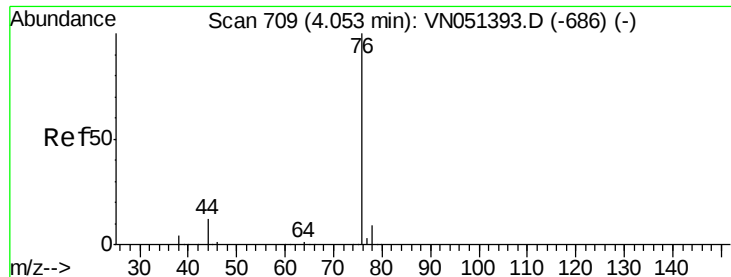
Delta R.T. 0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Tgt Ion:	43	Resp:	129105
Ion	Ratio	Lower	Upper
43	100		
58	31.4	25.0	37.4





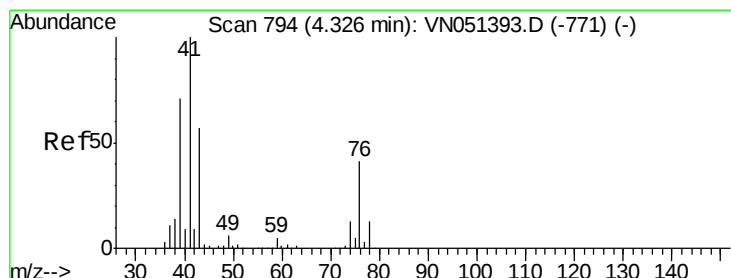
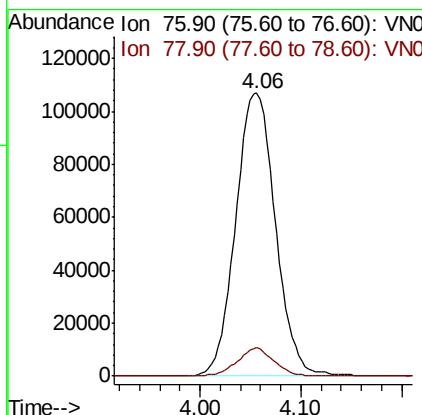
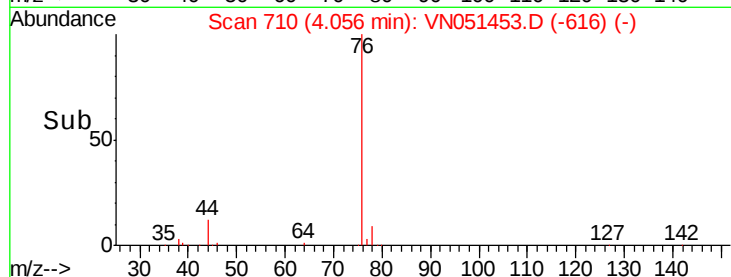
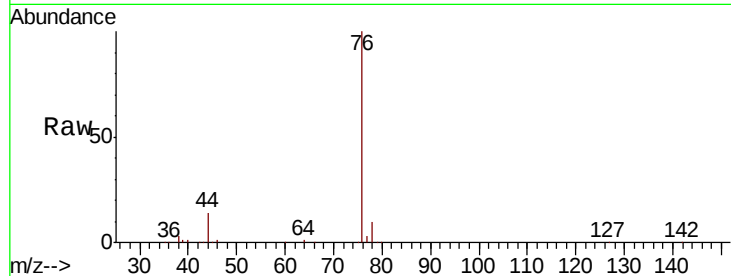
#17
Carbon Disulfide
Concen: 17.545 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.3	10.9

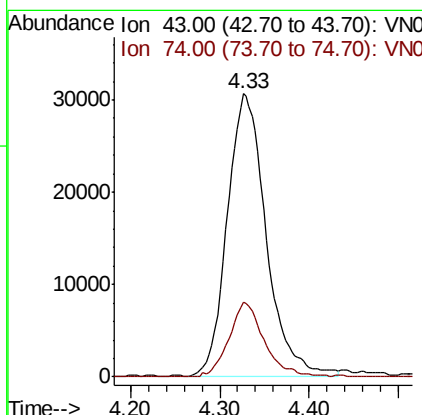
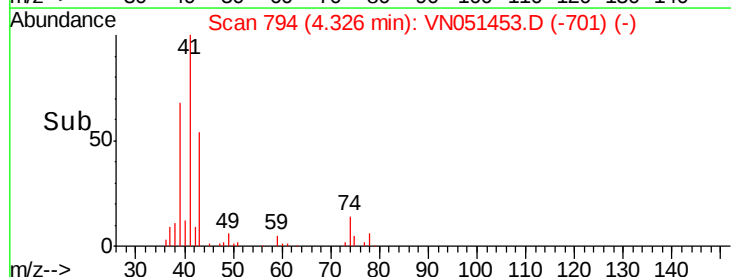
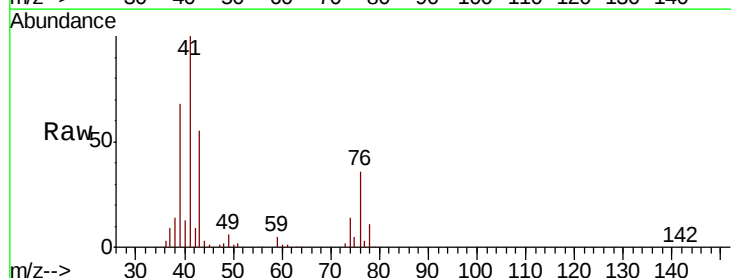
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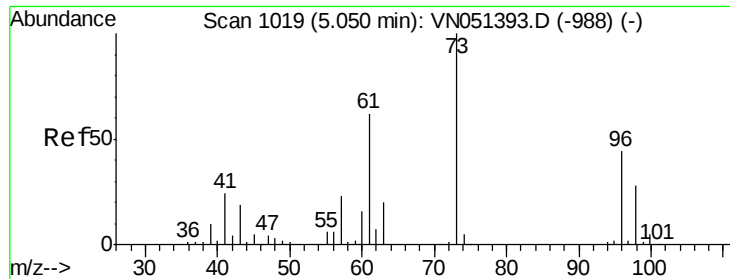
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#18
Methyl Acetate
Concen: 19.183 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.8	28.2





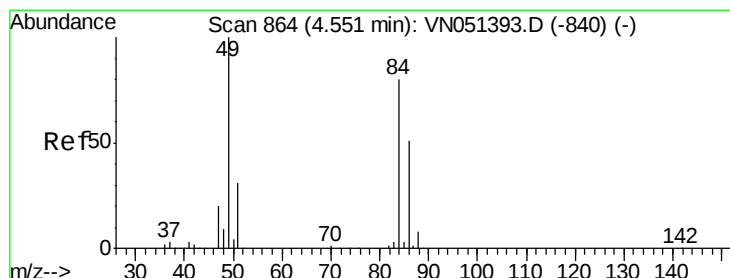
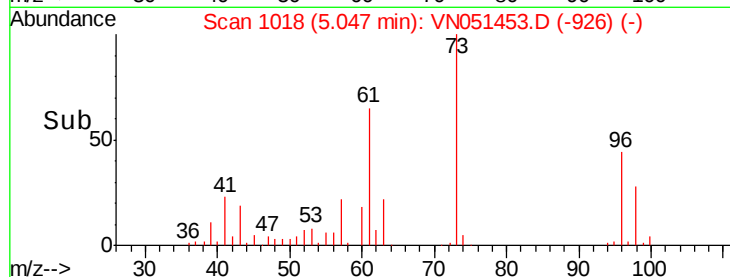
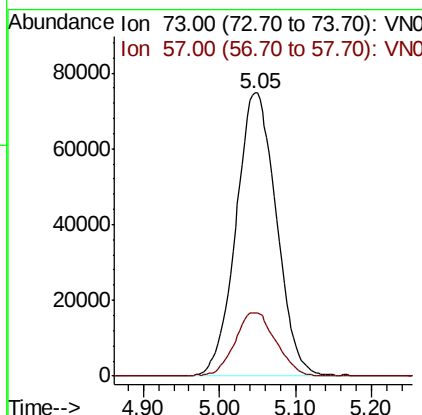
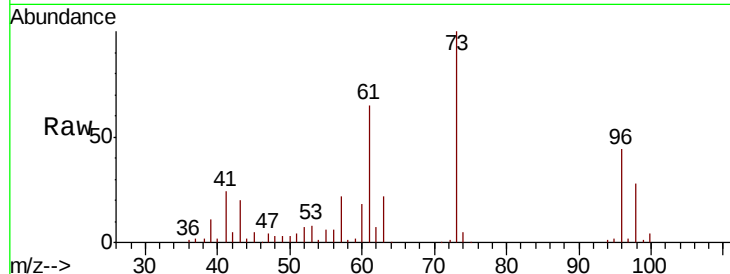
#19
Methvl tert-butvl Ether
Concen: 18.855 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion: 73 Resp: 275356
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

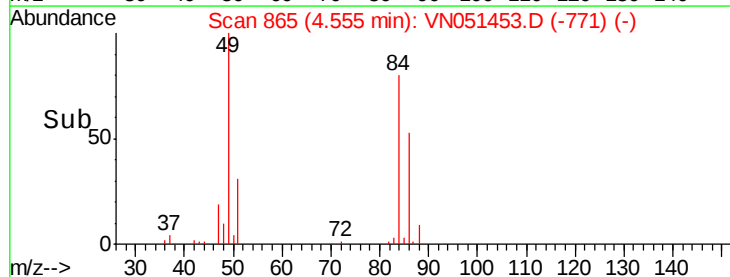
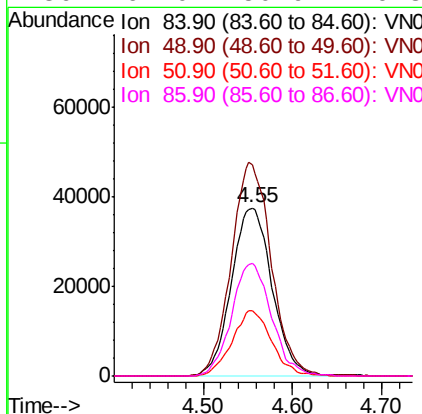
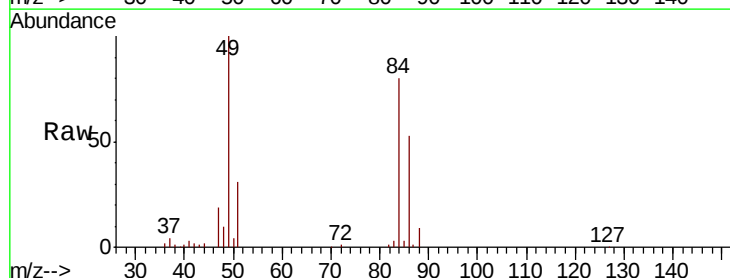
Manual Integrations
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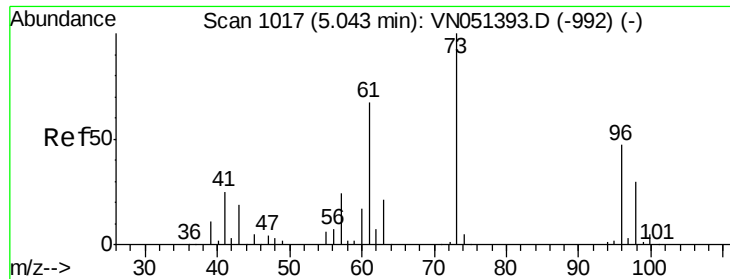
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#20
Methylene Chloride
Concen: 18.878 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion: 84 Resp: 119112
Ion Ratio Lower Upper
84 100
49 125.8 99.9 149.9
51 38.6 31.4 47.2
86 67.0 50.9 76.3





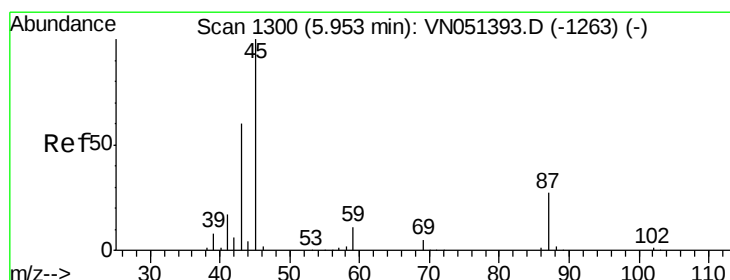
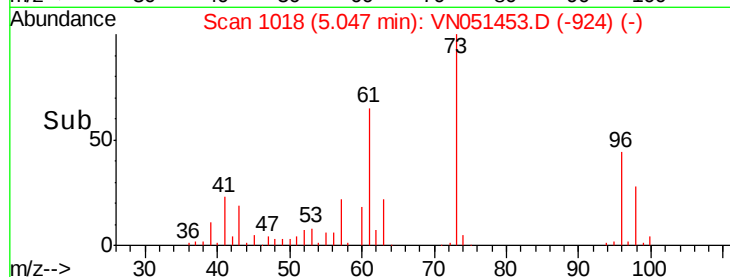
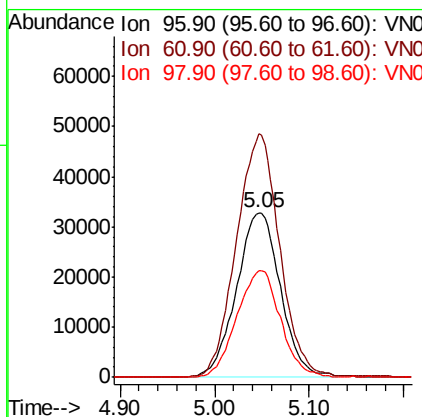
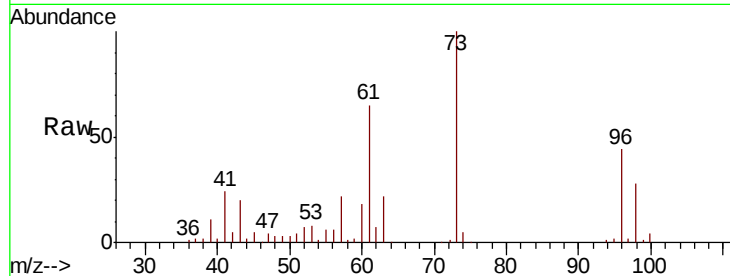
#21
trans-1,2-Dichloroethene
Concen: 18.299 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	113.4	170.2
98	64.6	51.1	76.7

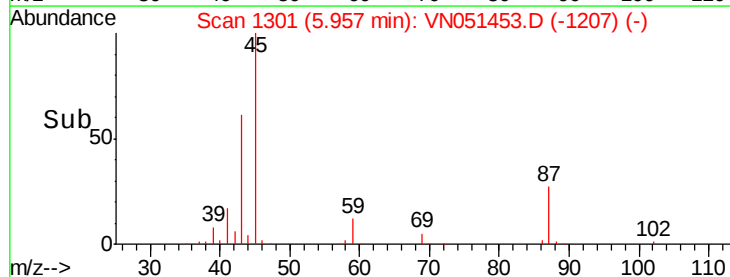
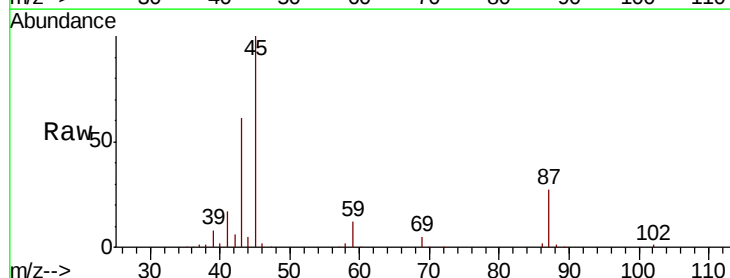
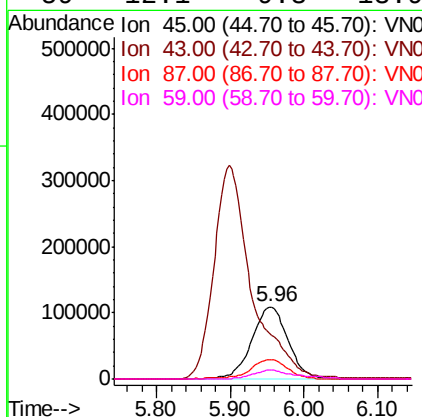
Manual Integrations
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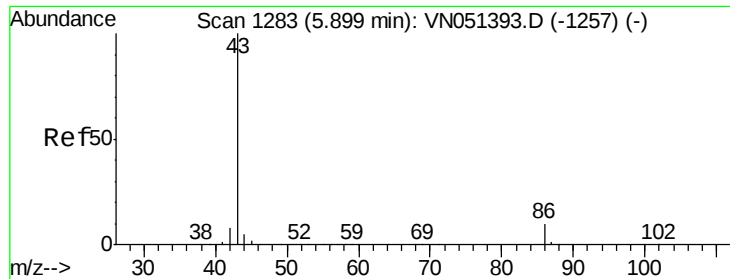
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#22
Diisopropyl ether
Concen: 20.154 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.7	47.7	71.5
87	27.3	22.0	33.0
59	12.1	9.3	13.9





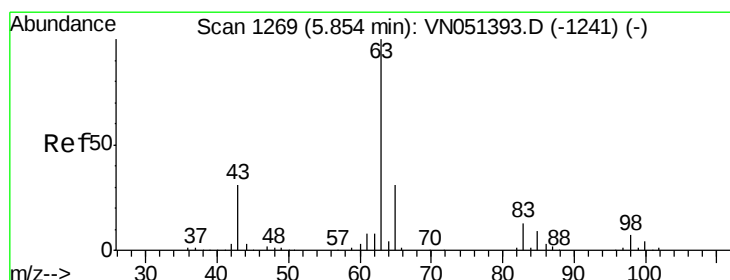
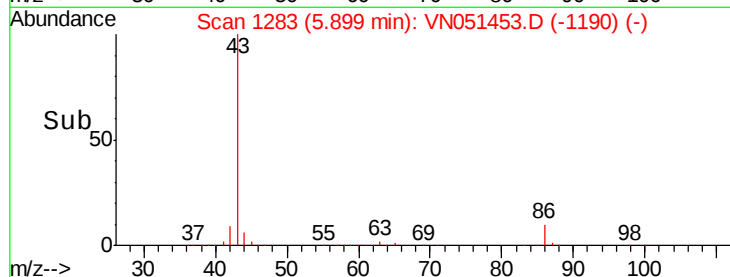
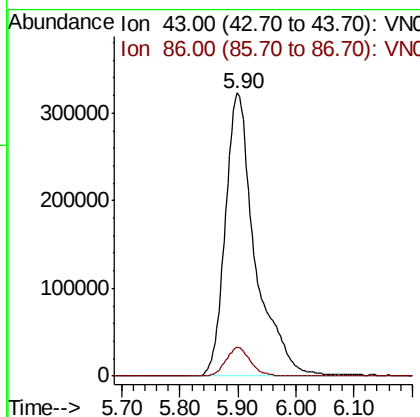
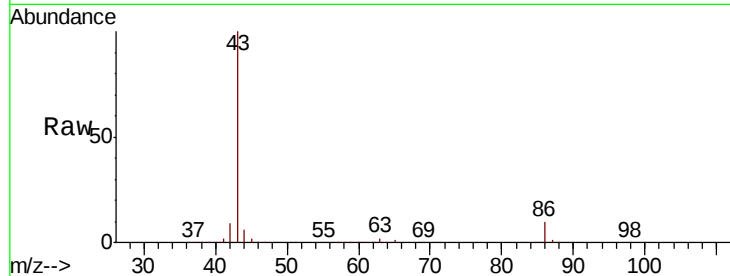
#23
 Vinyl Acetate
 Concen: 95.485 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0924WBSD01

Tot Ion: 43 Resp: 1151369
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.2

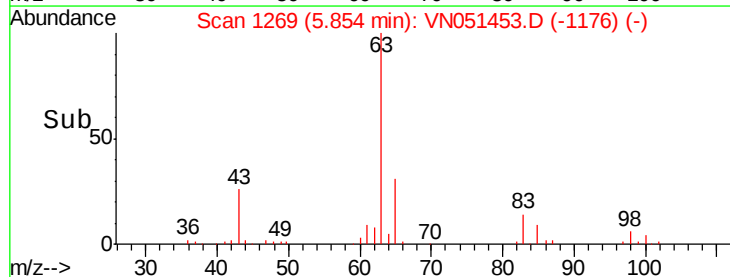
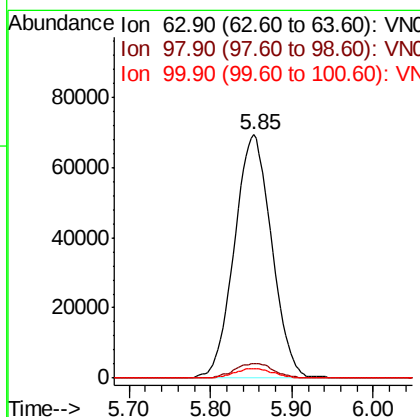
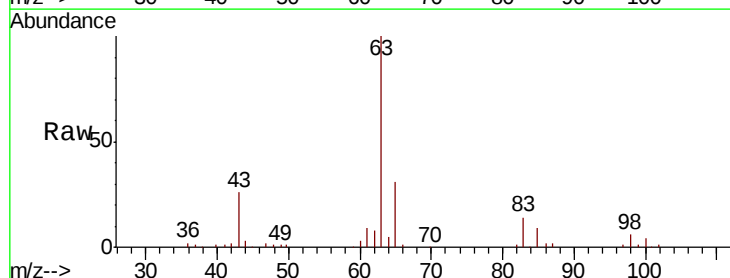
Manual Integrations
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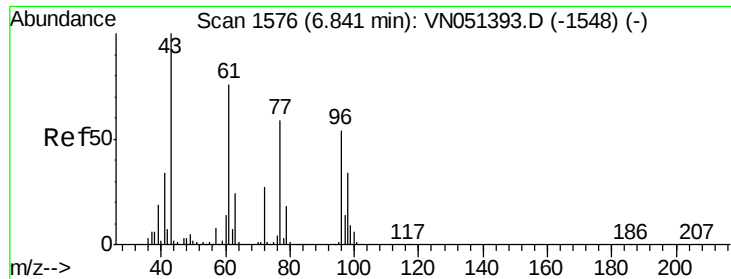
MMDadoda
 9/25/2018 11:31:02 AM



#24
 1,1-Dichloroethane
 Concen: 20.004 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion: 63 Resp: 219213
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.4 10.1
 100 3.8 2.2 6.6





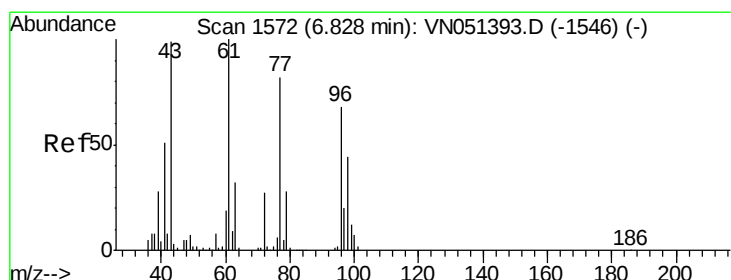
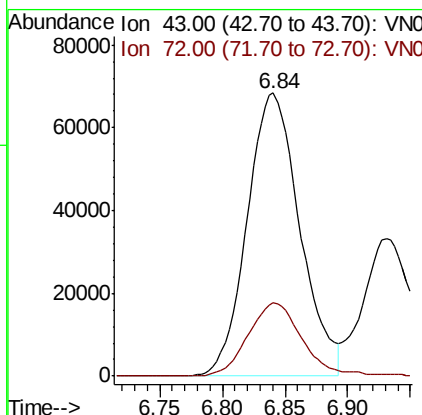
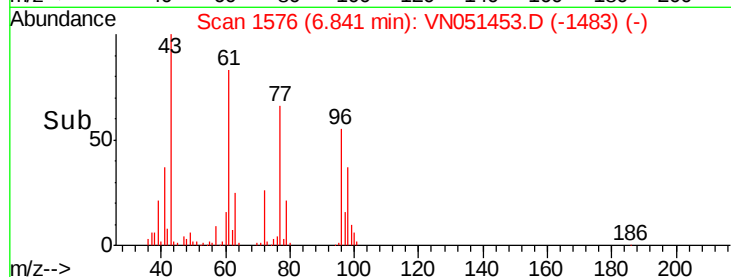
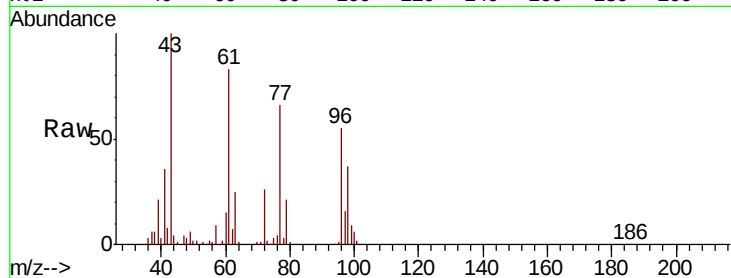
#25
2-Butanone
Concen: 91.642 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampled :
VN0924WBSD01

Tot Ion	43	Resp	200003
Ion Ratio	100	Lower	Upper
72	25.9	21.8	32.6

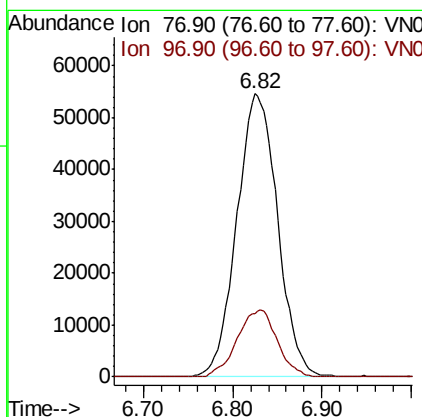
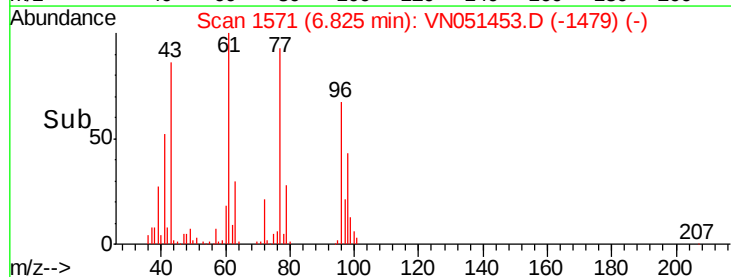
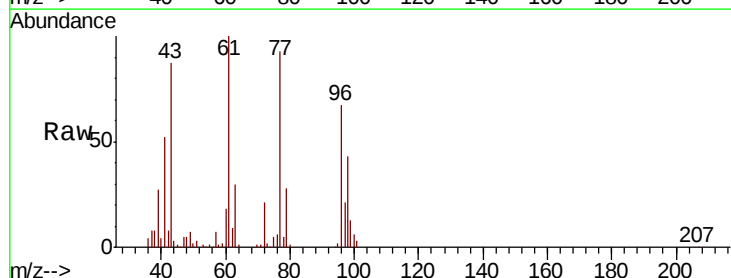
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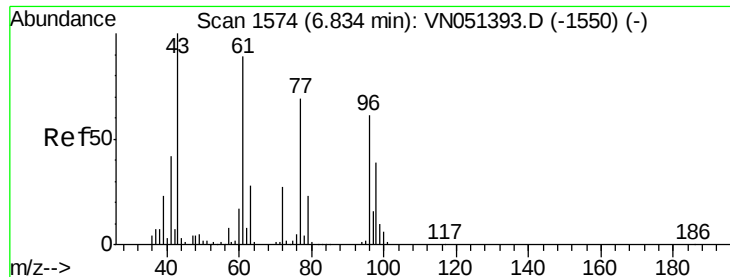
MMDadoda
9/25/2018 11:31:02 AM



#26
2,2-Dichloropropane
Concen: 20.232 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	77	Resp	173070
Ion Ratio	100	Lower	Upper
97	23.3	11.9	35.5





#27

cis-1,2-Dichloroethene

Concen: 18.881 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

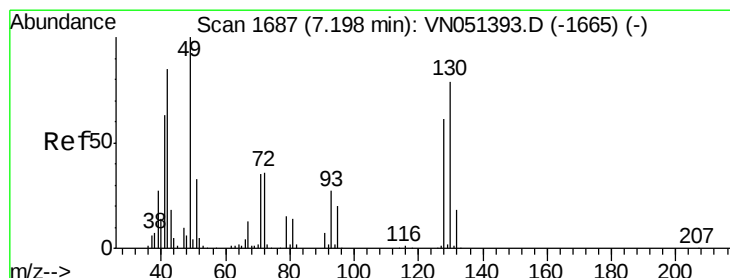
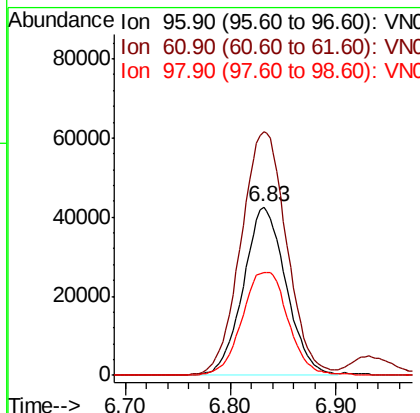
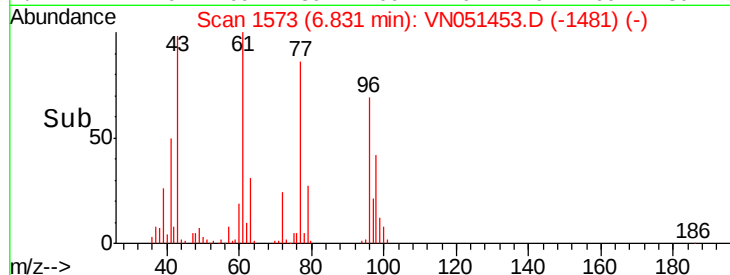
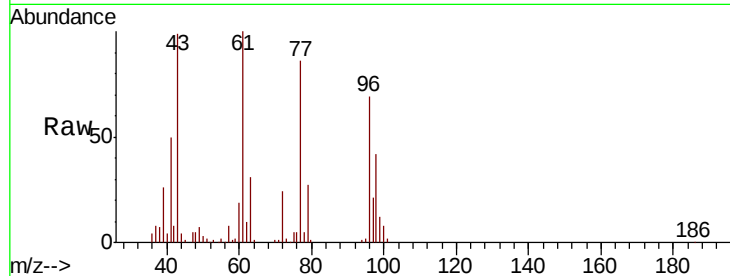
ClientSampleId :

VN0924WBSD01

Tot Ion:	96	Resp:	120022
Ion	Ratio	Lower	Upper
96	100		
61	154.8	0.0	291.4
98	66.1	0.0	128.4

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#28

Bromochloromethane

Concen: 18.479 ug/l

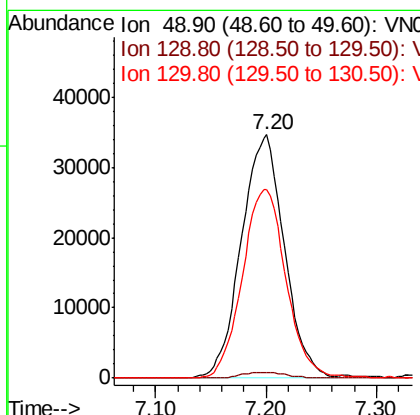
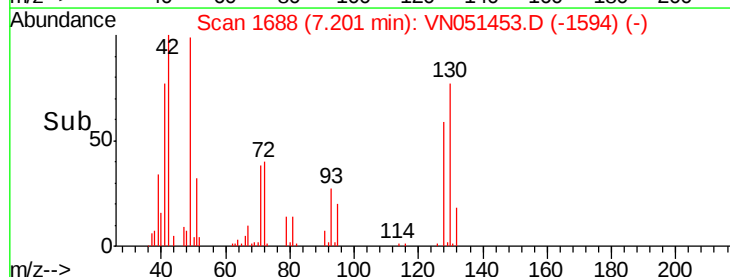
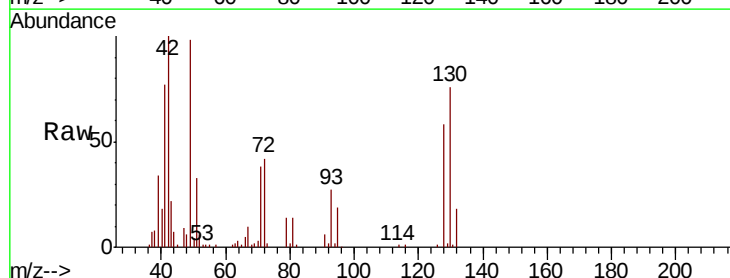
RT: 7.20 min Scan# 1688

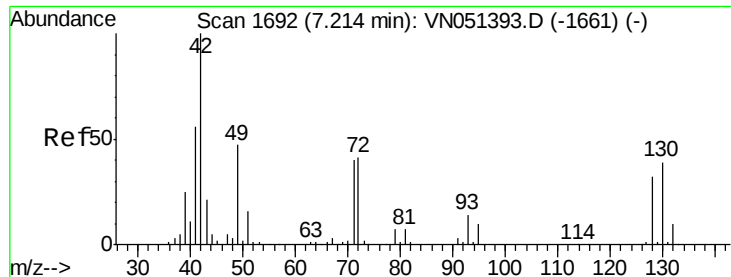
Delta R.T. 0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Tgt Ion:	49	Resp:	93514
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	78.7	63.0	94.4





#29

Tetrahydrofuran

Concen: 96.480 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

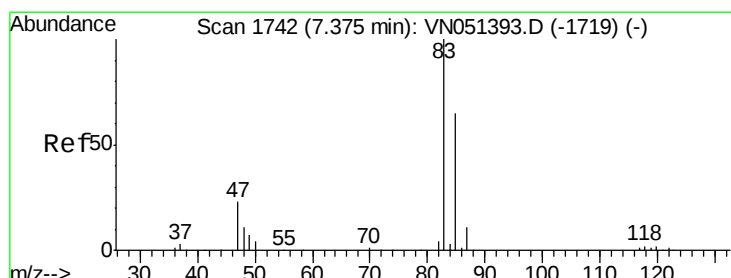
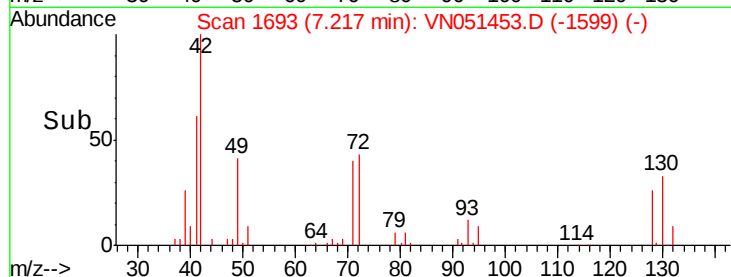
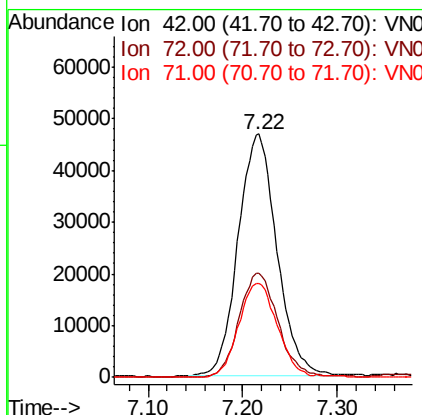
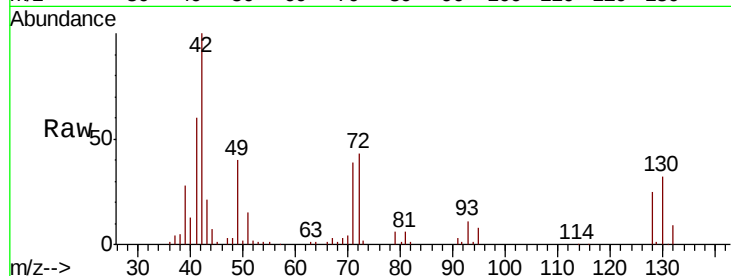
ClientSampleId :

VN0924WBSD01

Tot Ion:	42	Resp:	133435
Ion Ratio		Lower	Upper
42	100		
72	43.2	34.3	51.5
71	38.6	32.2	48.4

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#30

Chloroform

Concen: 20.100 ug/l

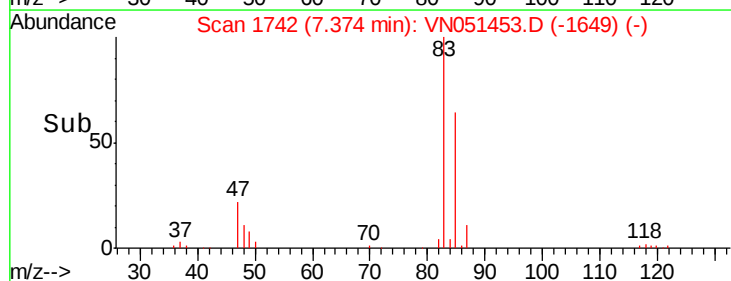
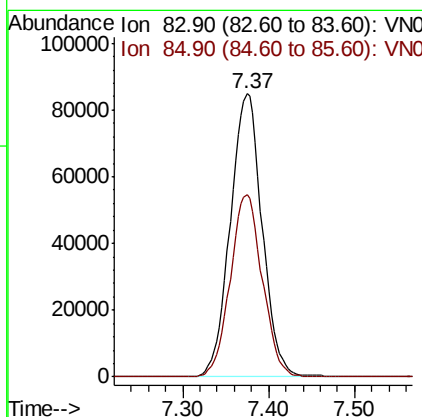
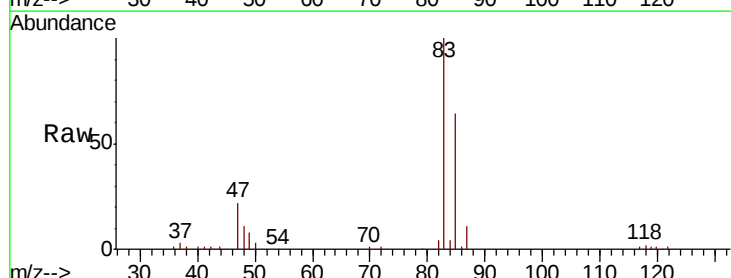
RT: 7.37 min Scan# 1742

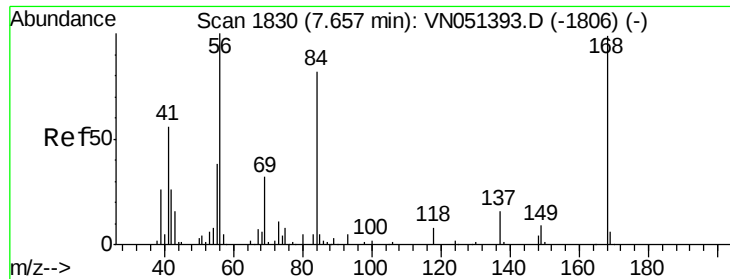
Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Tgt Ion:	83	Resp:	218257
Ion Ratio		Lower	Upper
83	100		
85	64.3	51.8	77.6





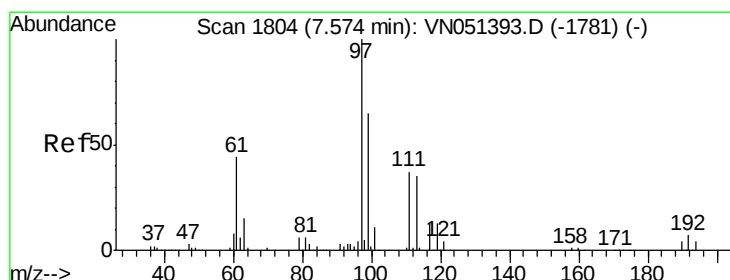
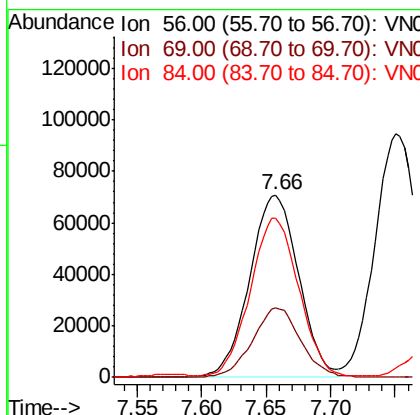
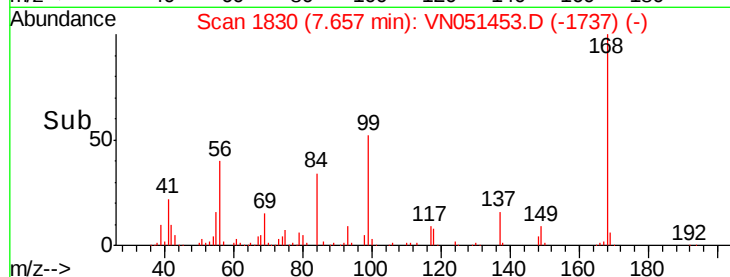
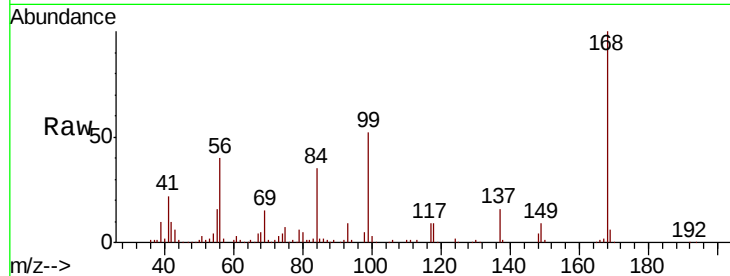
#31
Cyclohexane
Concen: 18.669 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampled :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	25.8	38.6
84	86.3	66.0	99.0

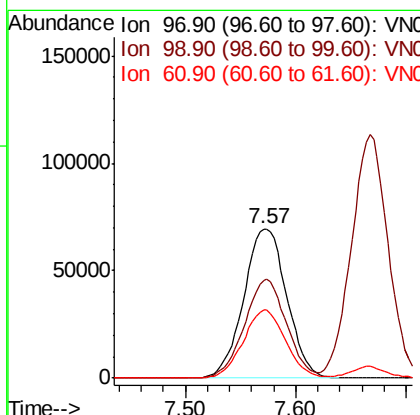
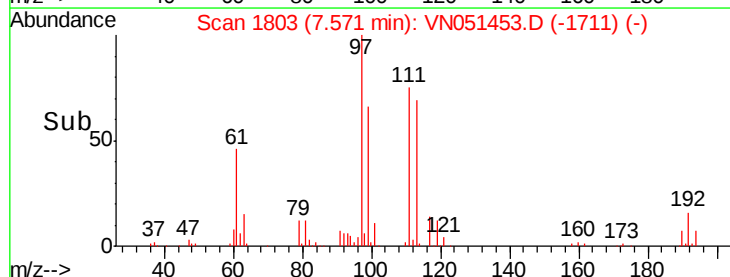
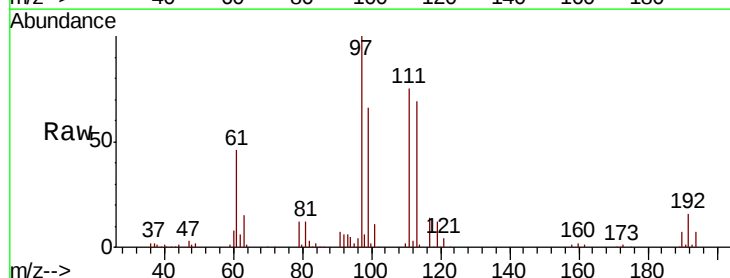
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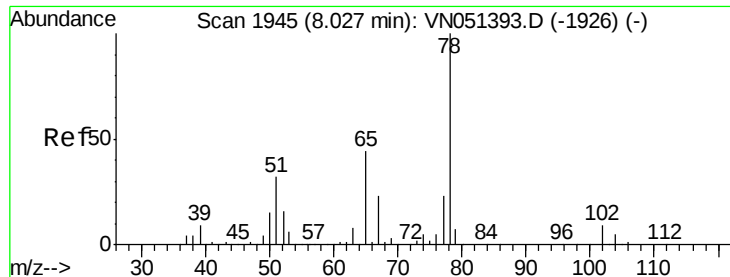
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#32
1,1,1-Trichloroethane
Concen: 20.241 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	45.0	35.8	53.8





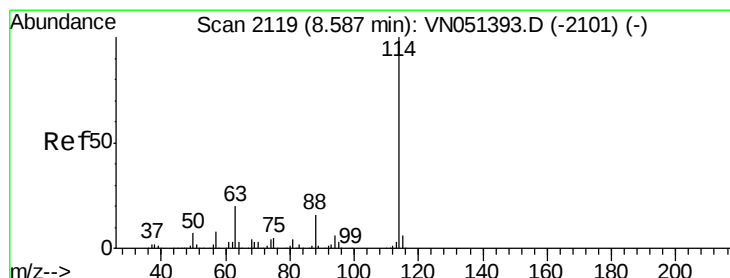
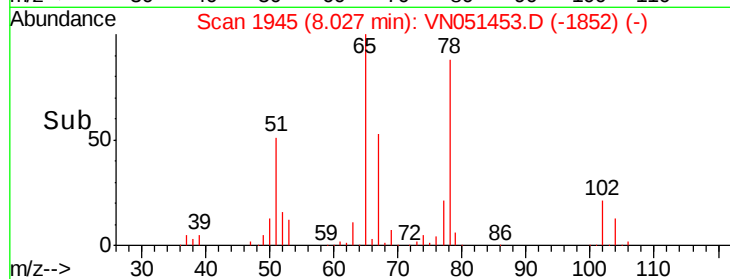
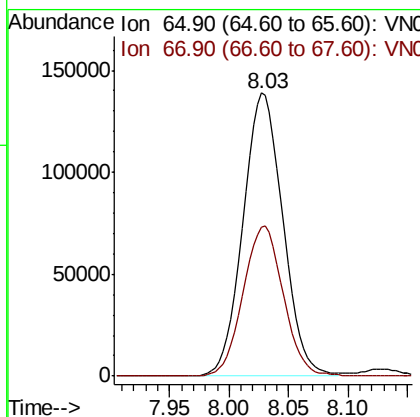
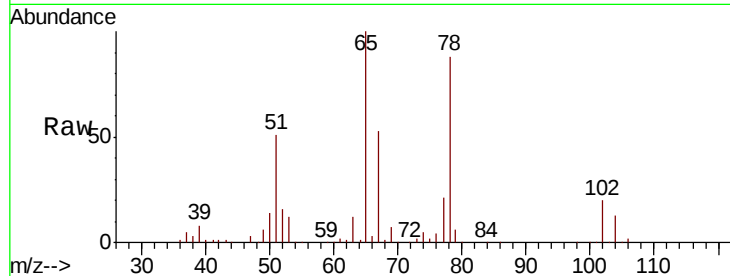
#33
 1,2-Dichloroethane-d4
 Concen: 50.680 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	323149		
67	53.5	0.0	107.8	

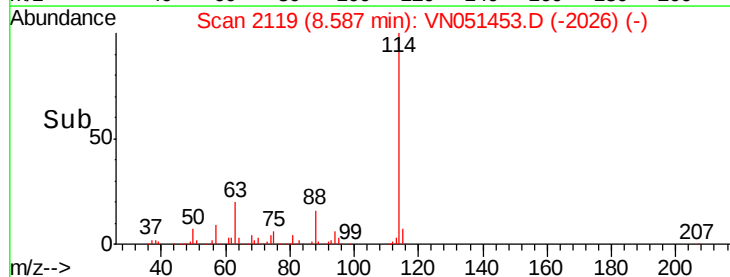
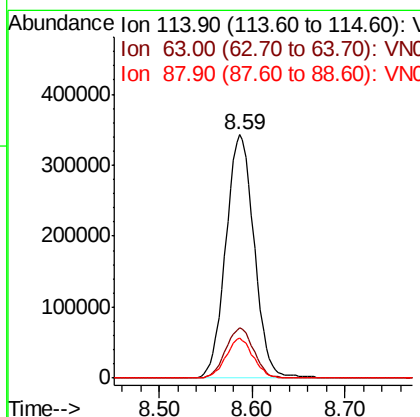
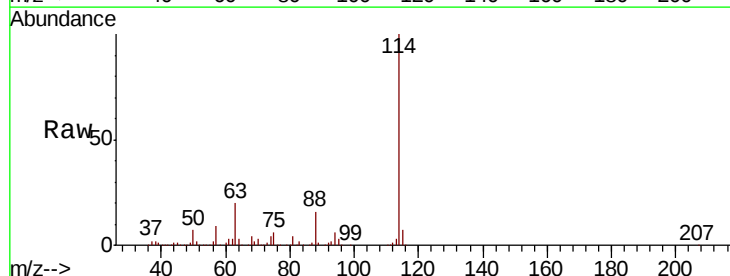
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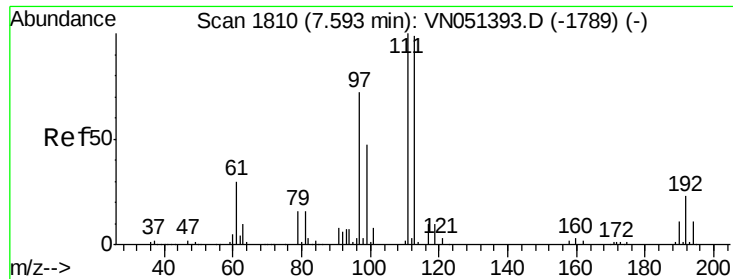
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	727631		
63	20.5	0.0	40.2	
88	16.3	0.0	31.4	





#35

Dibromofluoromethane

Concen: 49.737 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

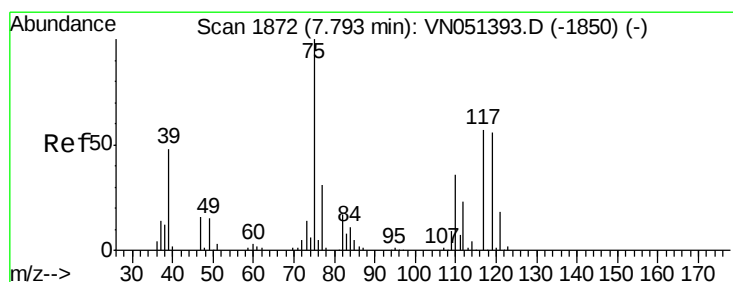
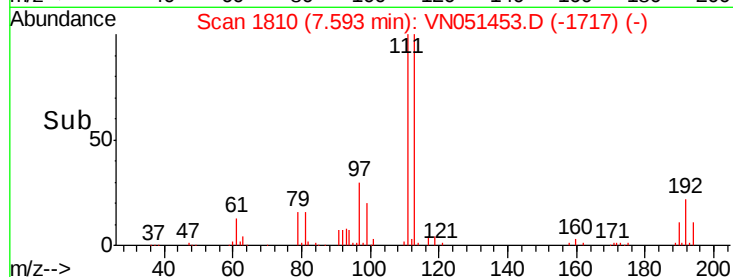
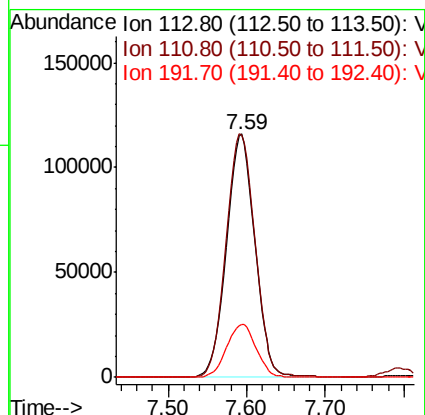
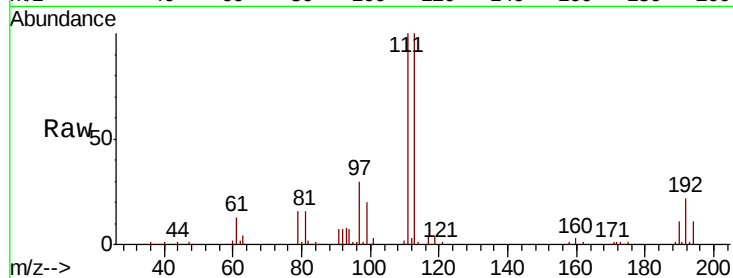
ClientSampleId :

VN0924WBSD01

Tot Ion:	113	Resp:	289395
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.6	123.8
192	22.8	18.0	27.0

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#36

1,1-Dichloropropene

Concen: 19.085 ug/l

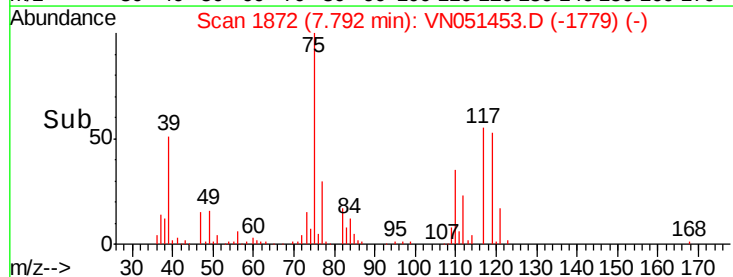
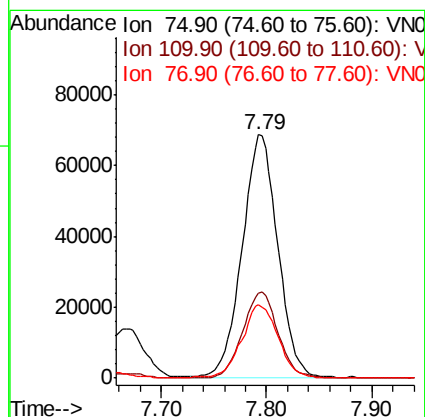
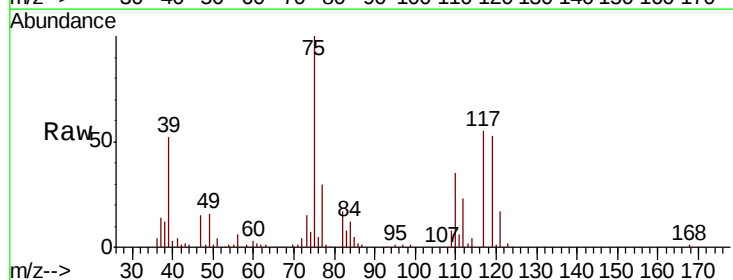
RT: 7.79 min Scan# 1872

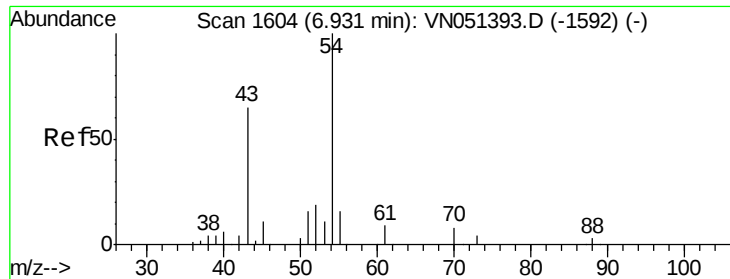
Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Tgt Ion:	75	Resp:	160812
Ion Ratio	Lower	Upper	
75	100		
110	35.2	18.1	54.3
77	30.7	25.6	38.4





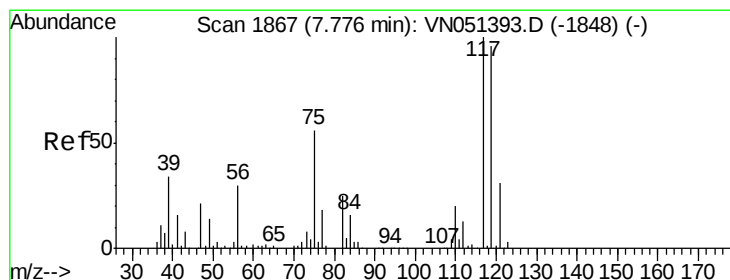
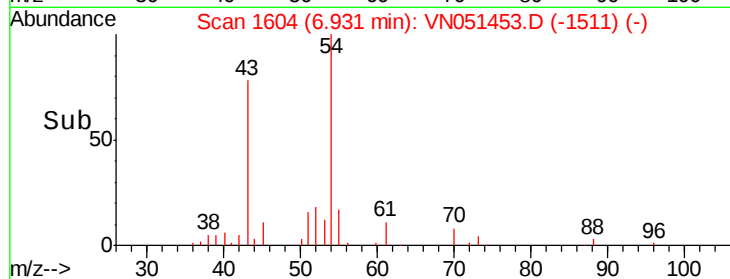
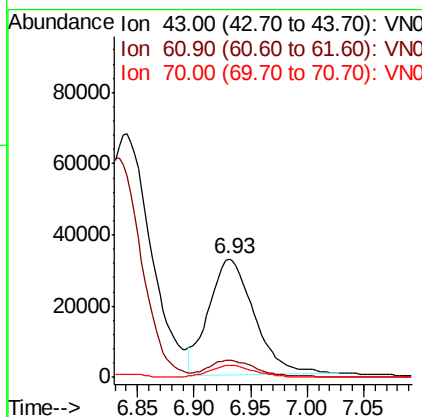
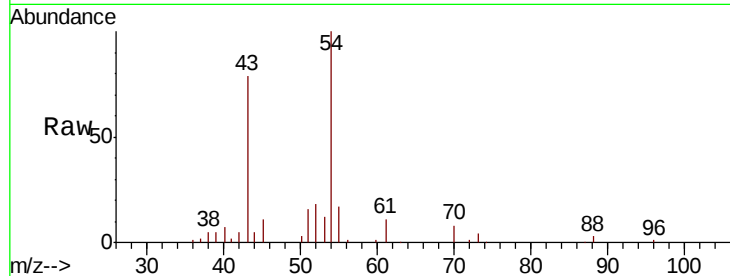
#37
Ethyl Acetate
Concen: 18.931 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	13.5	11.5	17.3	
70	10.2	7.9	11.9	

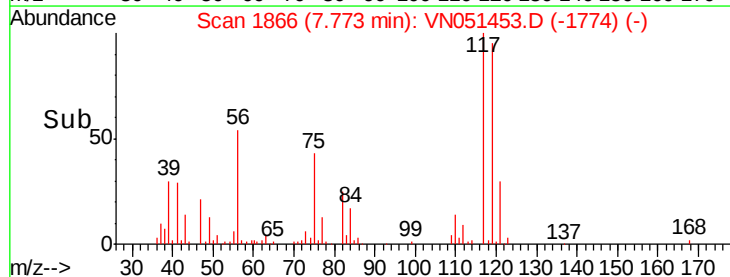
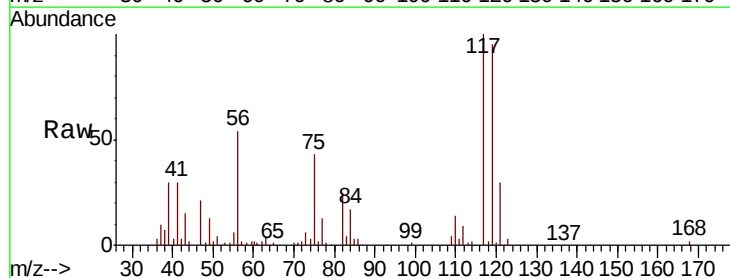
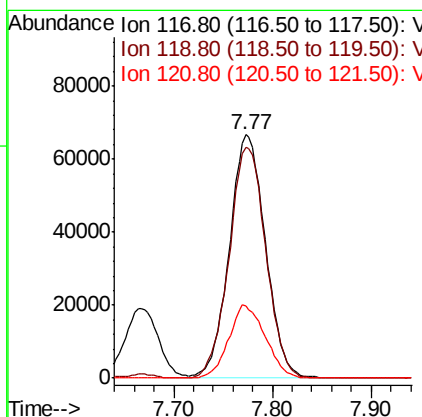
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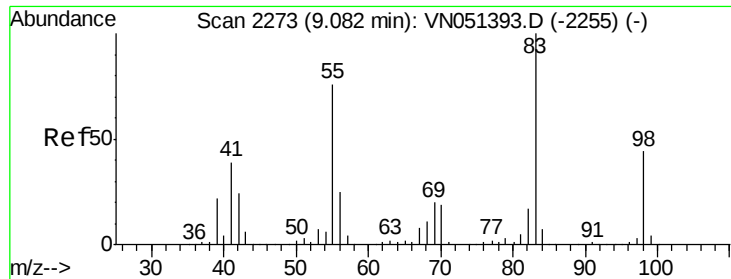
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.278 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	94.8	76.9	115.3	
121	29.5	24.6	37.0	





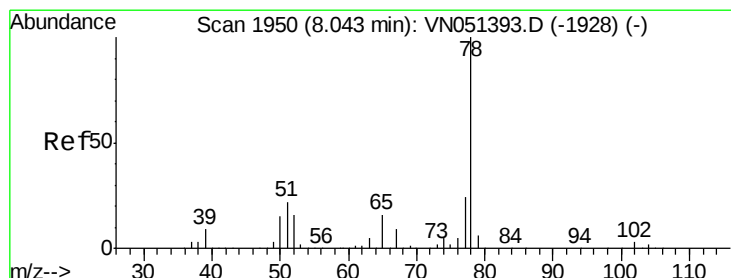
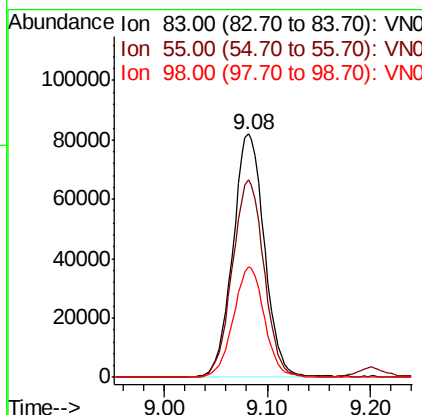
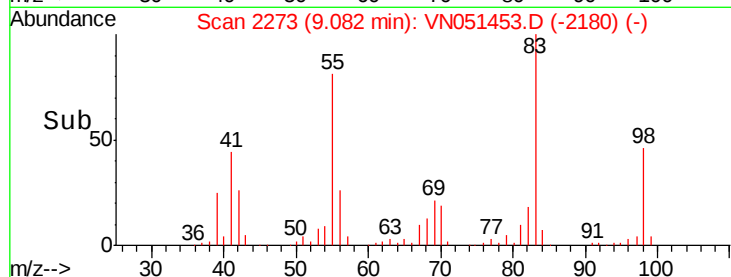
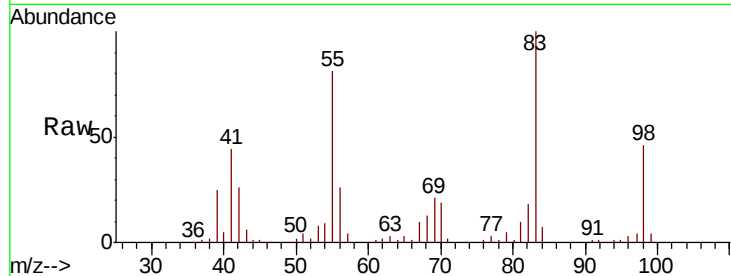
#39
Methvlcvclohexane
Concen: 17.769 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	61.0	91.4
98	45.6	35.6	53.4

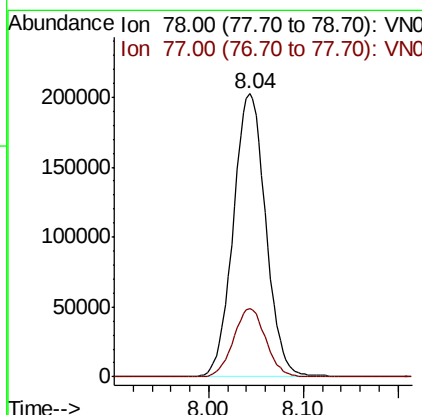
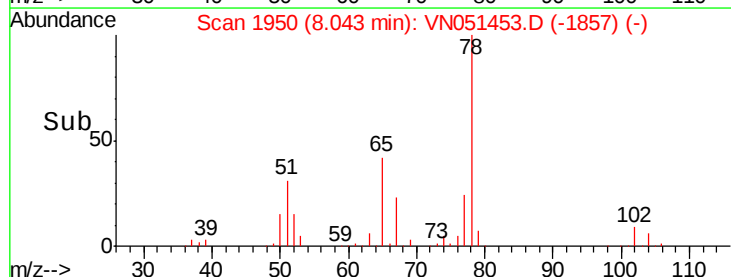
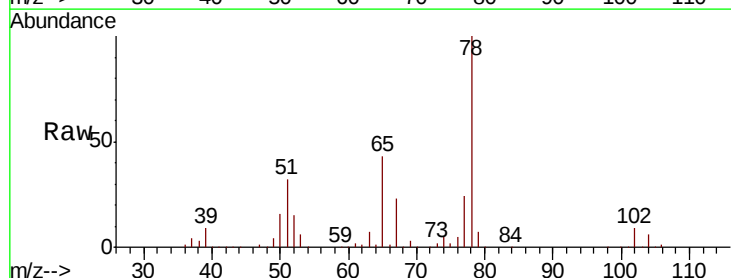
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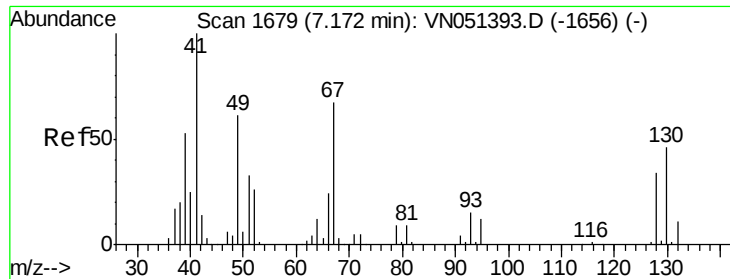
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#40
Benzene
Concen: 19.538 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





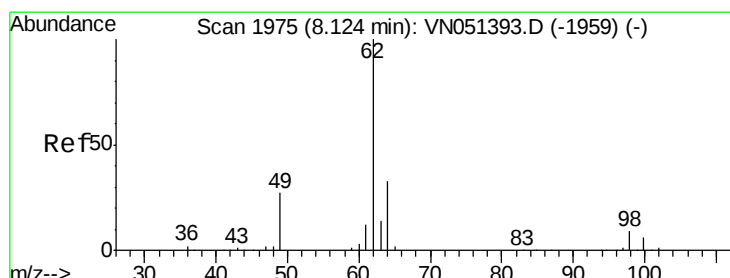
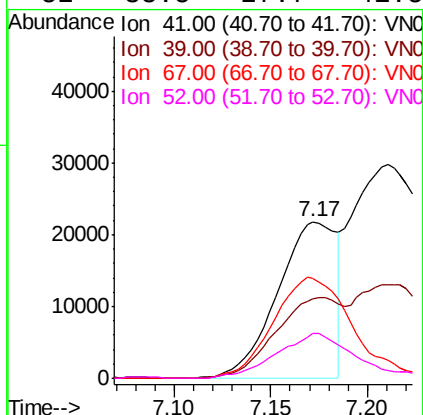
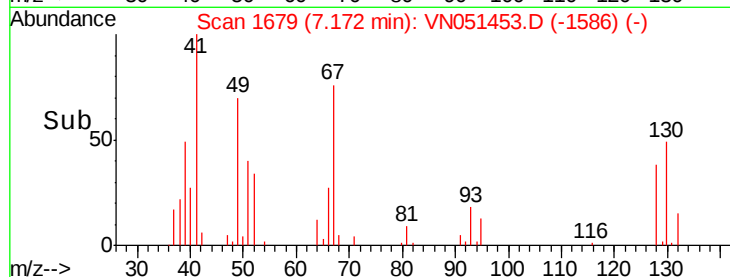
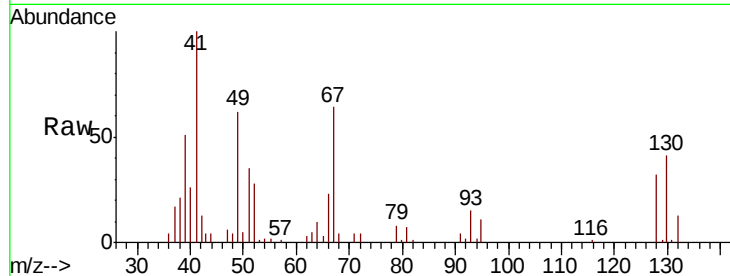
#41
Methacrylonitrile
Concen: 17.231 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion:	41	Resp:	46184
Ion	Ratio	Lower	Upper
41	100		
39	57.6	51.4	77.2
67	87.1	66.8	100.2
52	38.5	27.7	41.5

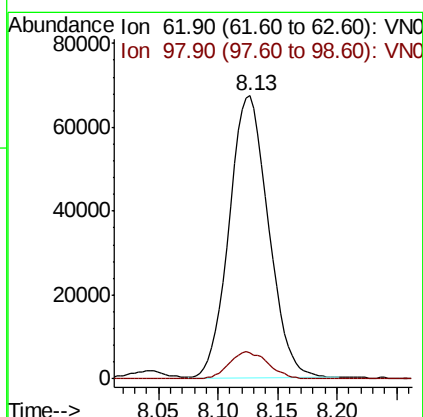
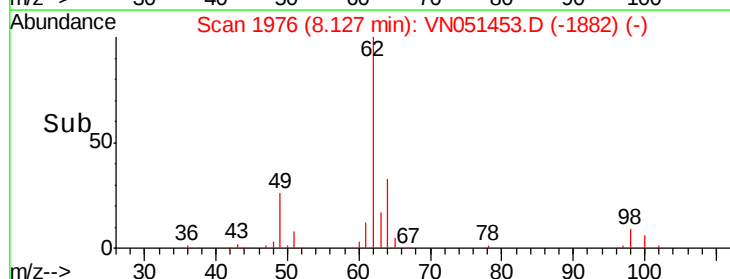
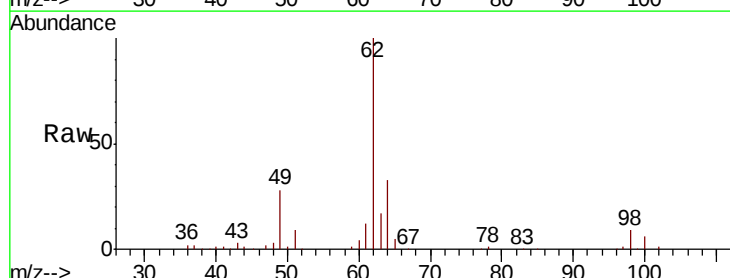
Manual Integrations
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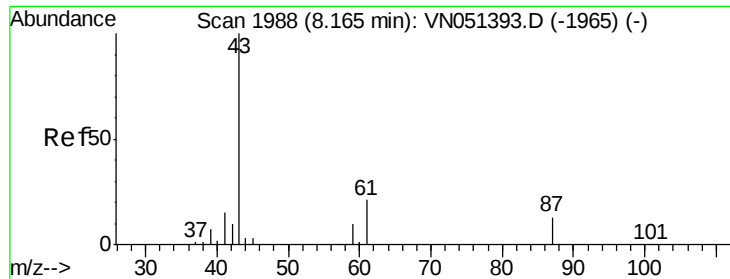
MMDadoda
9/25/2018 11:31:02 AM



#42
1,2-Dichloroethane
Concen: 19.433 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion:	62	Resp:	153947
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

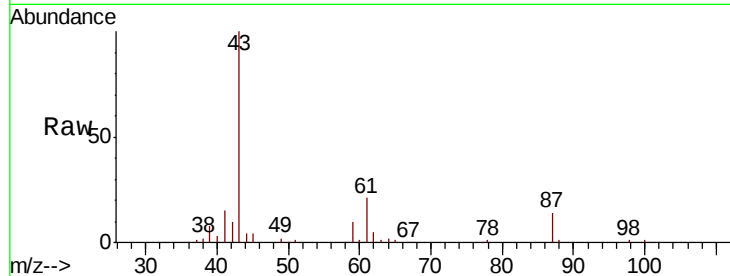
Isopropyl Acetate
 Concen: 19.036 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

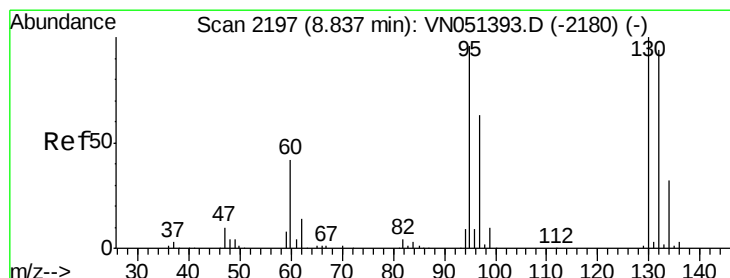
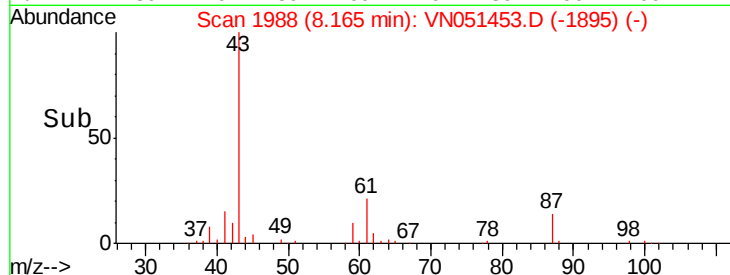
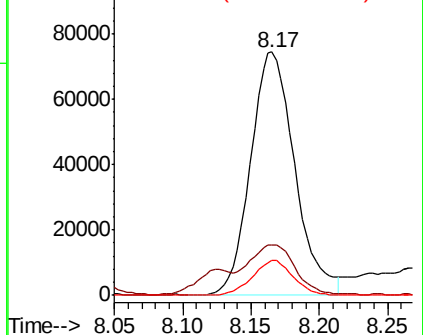
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	16.8	25.2
87	13.3	10.7	16.1

Manual Integrations
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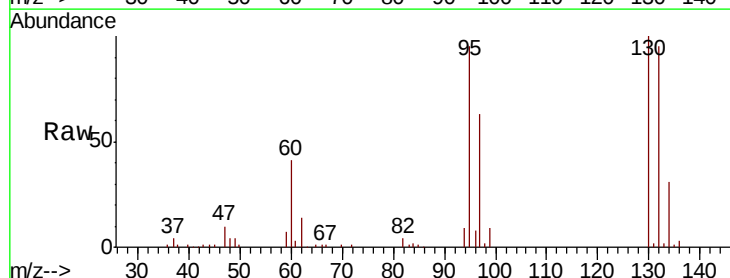
Abundance Ion 43.00 (42.70 to 43.70): VN051453.D (-1965) (-)
 Ion 61.00 (60.70 to 61.70): VN051453.D (-1965) (-)
 Ion 87.00 (86.70 to 87.70): VN051453.D (-1965) (-)



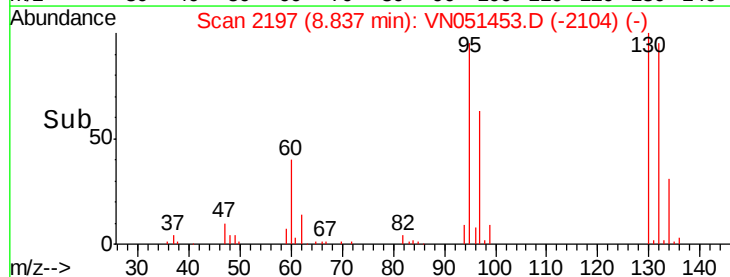
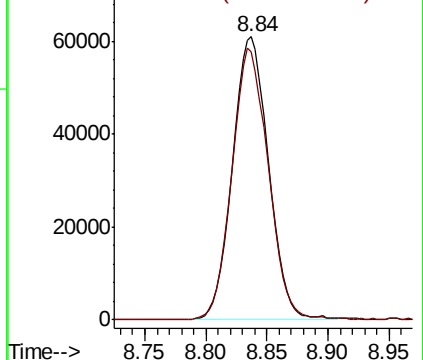
#44

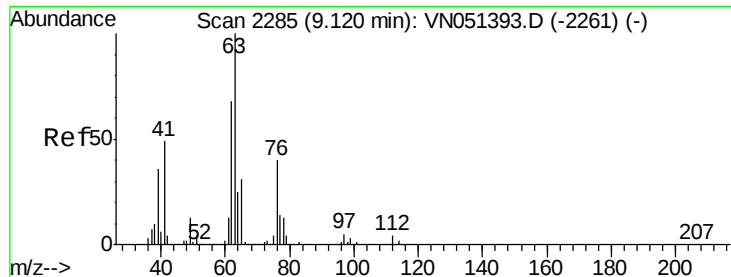
Trichloroethene
 Concen: 19.022 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	192.2



Abundance Ion 129.80 (129.50 to 130.50): VN051453.D (-2180) (-)
 Ion 94.90 (94.60 to 95.60): VN051453.D (-2180) (-)





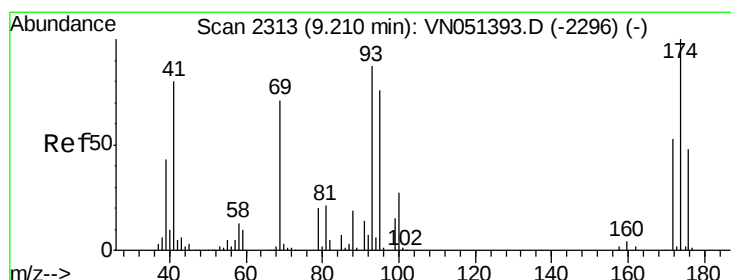
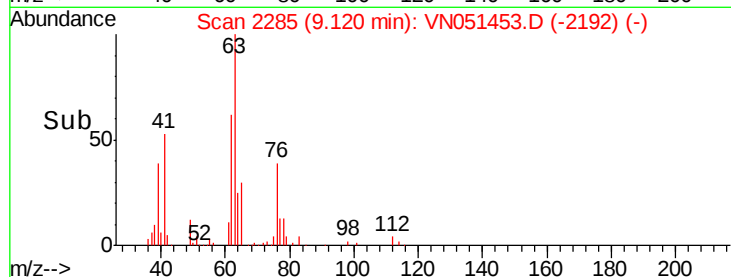
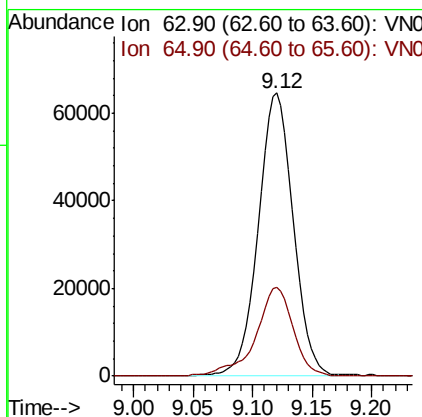
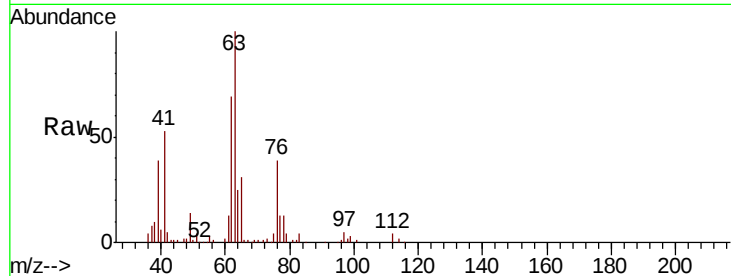
#45
 1,2-Dichloropropane
 Concen: 19.553 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	31.2	24.9	37.3	

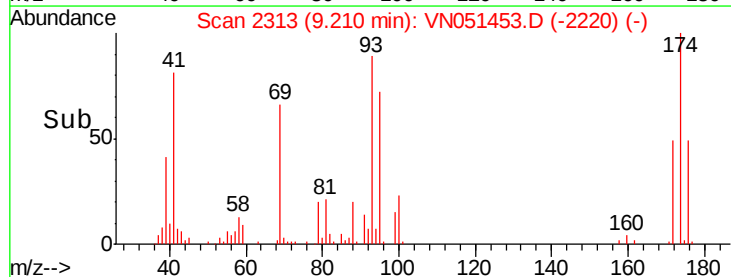
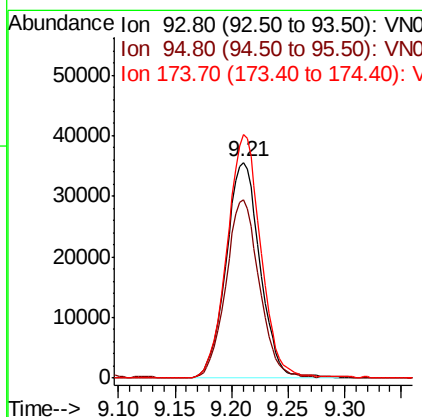
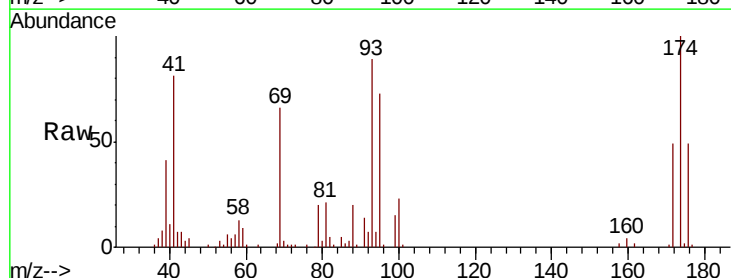
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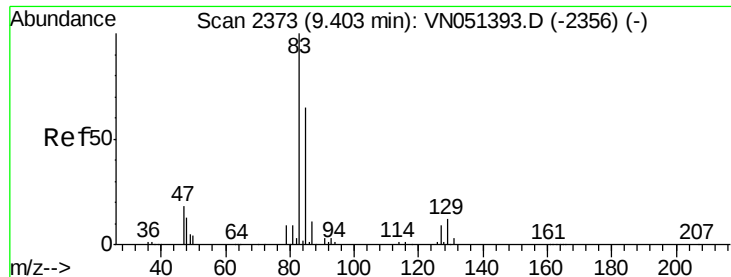
MMDadoda
 9/25/2018 11:31:02 AM



#46
 Dibromomethane
 Concen: 19.612 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	80.9	67.6	101.4	
174	111.9	89.6	134.4	





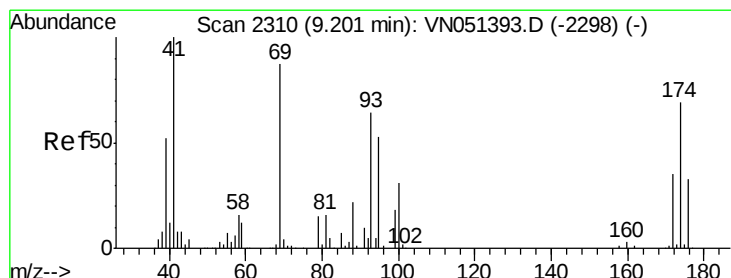
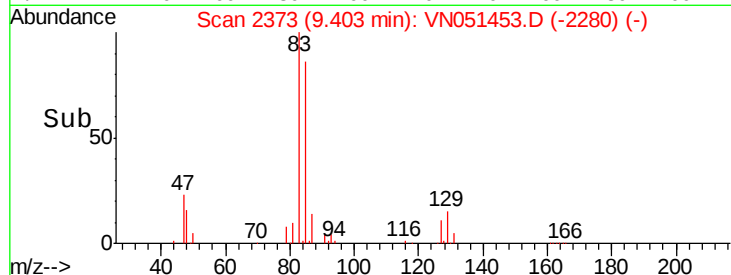
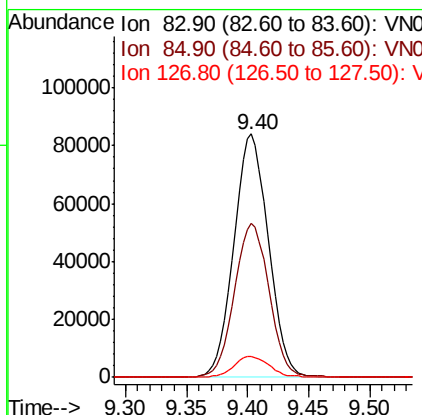
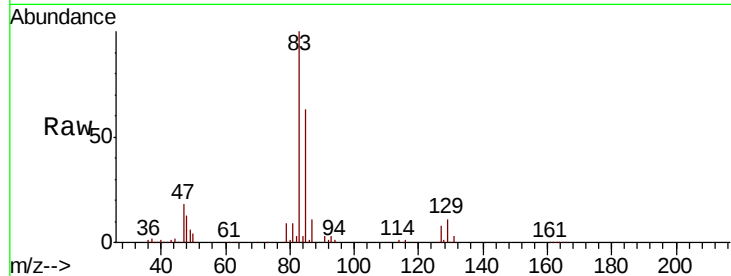
#47
Bromodichloromethane
Concen: 19.659 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	83	Resp	165314
Ion Ratio	100	Lower	Upper
83	100		
85	63.5	51.8	77.6
127	8.4	7.4	11.2

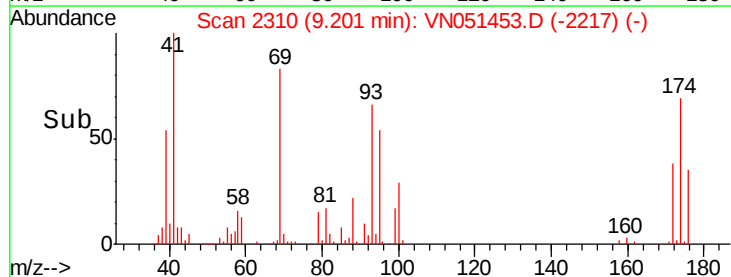
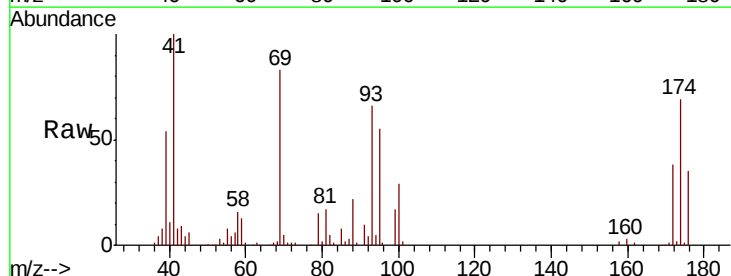
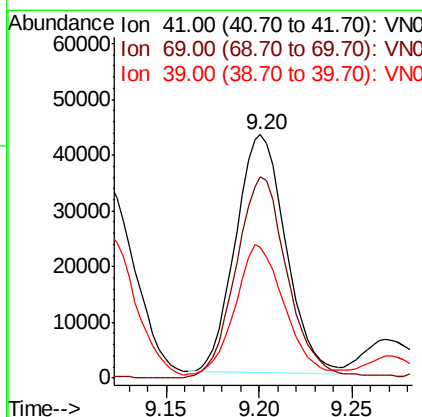
Manual Integrations
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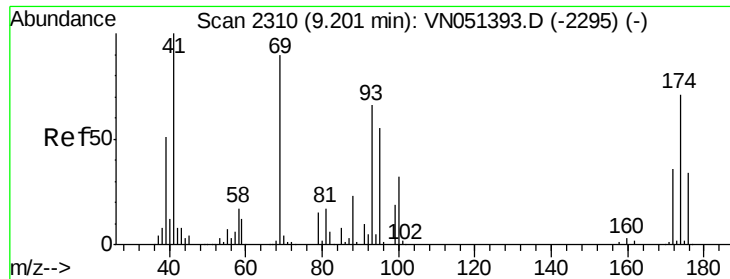
MMDadoda
9/25/2018 11:31:02 AM



#48
Methyl methacrylate
Concen: 18.424 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	41	Resp	80469
Ion Ratio	100	Lower	Upper
41	100		
69	87.1	70.4	105.6
39	55.4	43.8	65.8





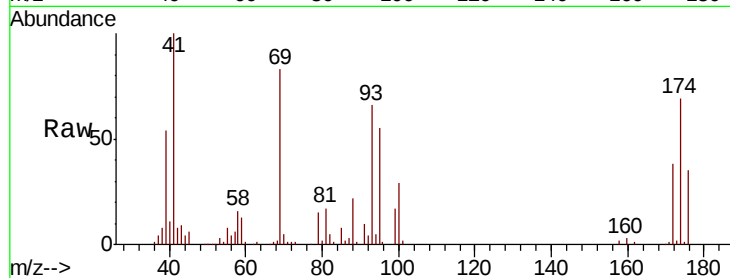
#49
1,4-Dioxane
Concen: 383.403 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	25.9	38.9
58	68.9	57.0	85.4

Manual Integrations
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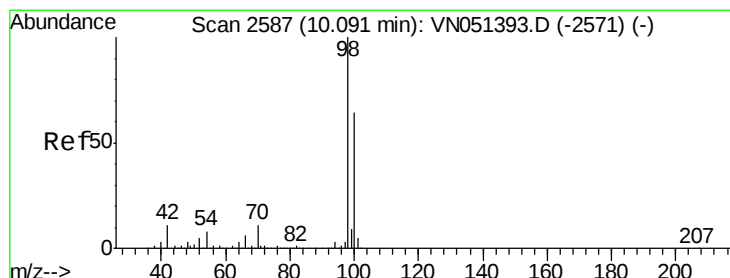
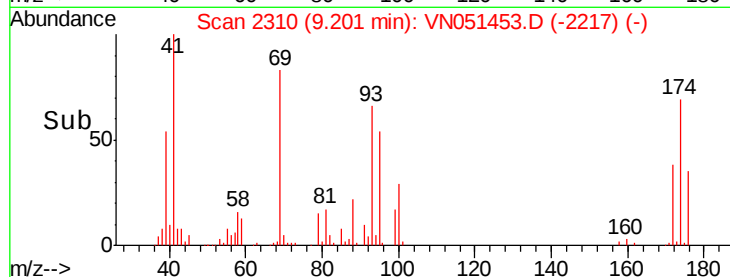
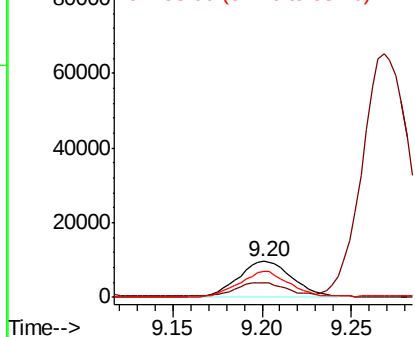


Abundance

Ion 88.00 (87.70 to 88.70): VN0

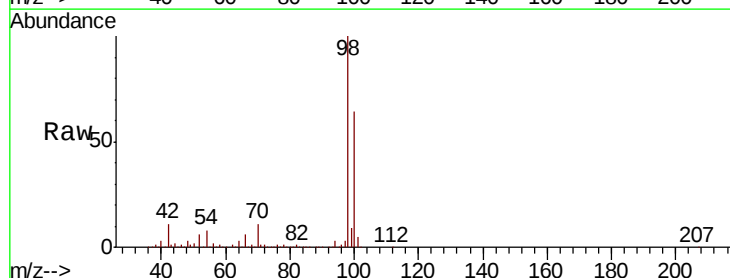
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 48.719 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

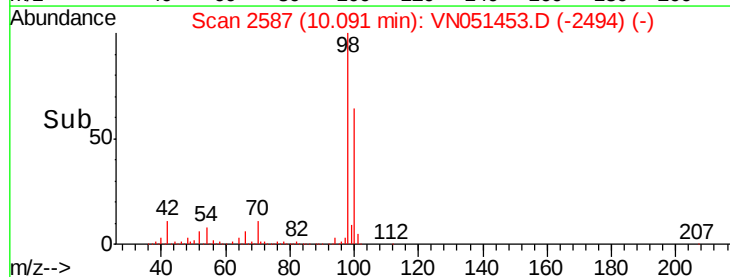
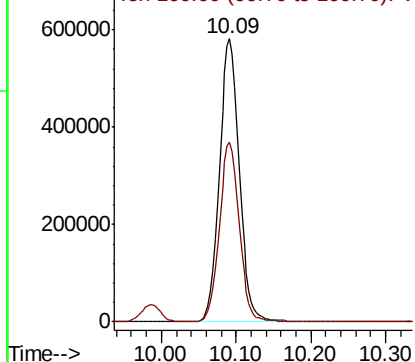
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.6	75.8

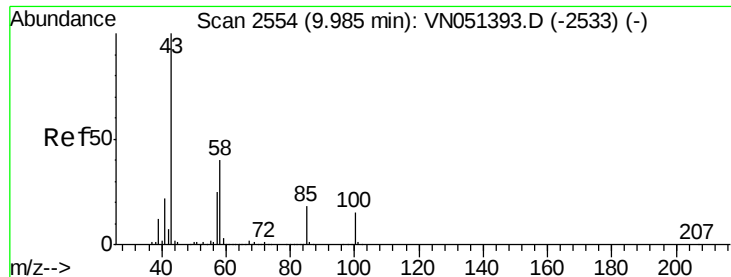


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 94.392 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 43 Resp: 454778

Ion Ratio Lower Upper

43 100

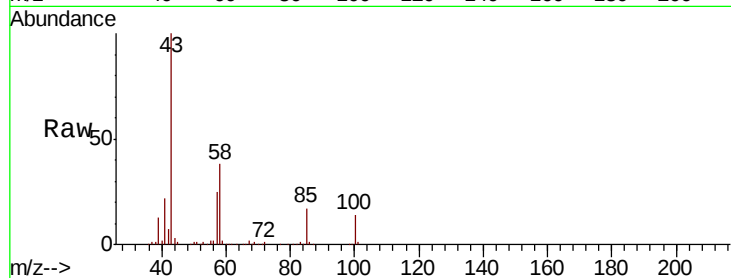
58 38.6 31.5 47.3

Manual Integrations

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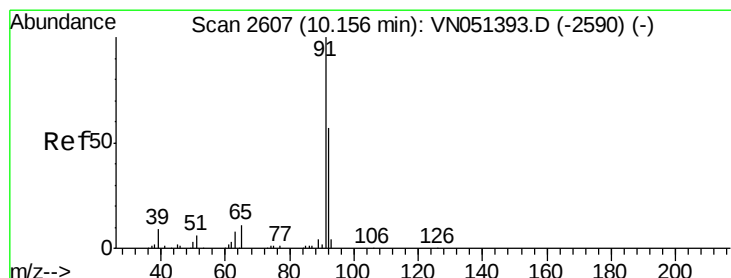
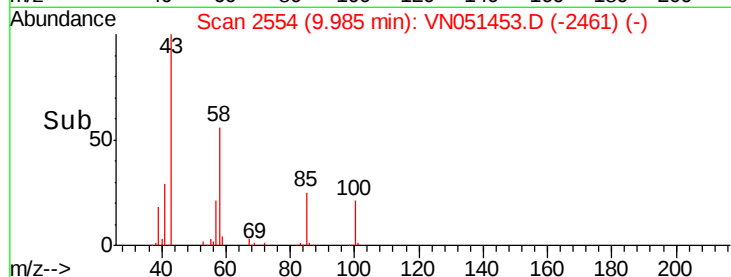
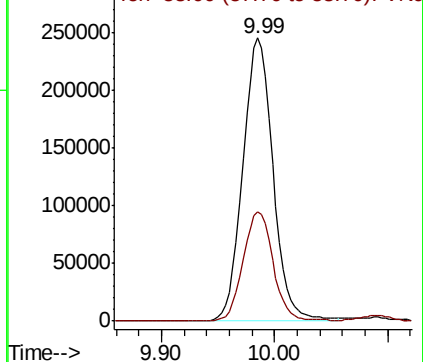
MMDadoda

9/25/2018 11:31:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.956 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051453.D

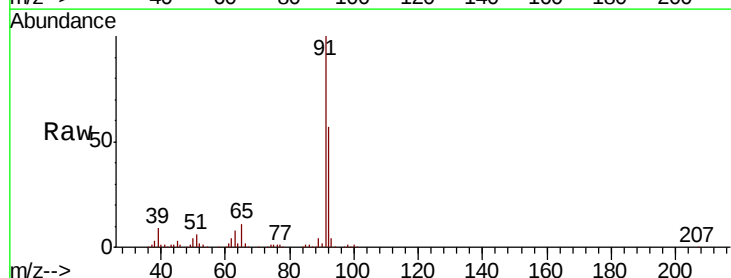
Acq: 24 Sep 2018 11:52

Tgt Ion: 92 Resp: 291452

Ion Ratio Lower Upper

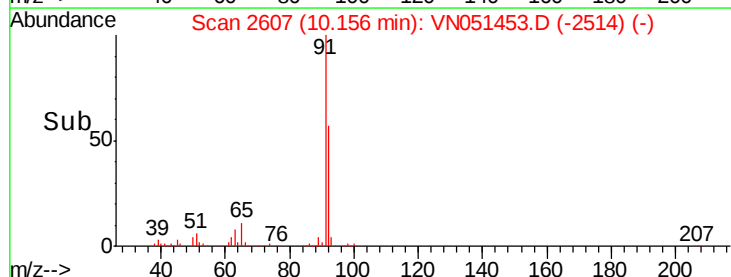
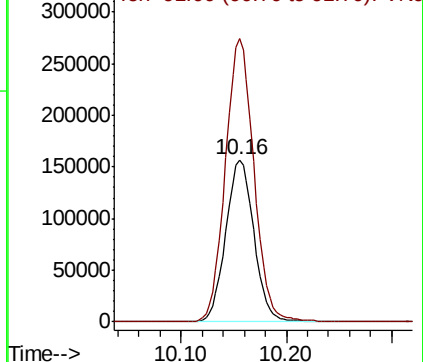
92 100

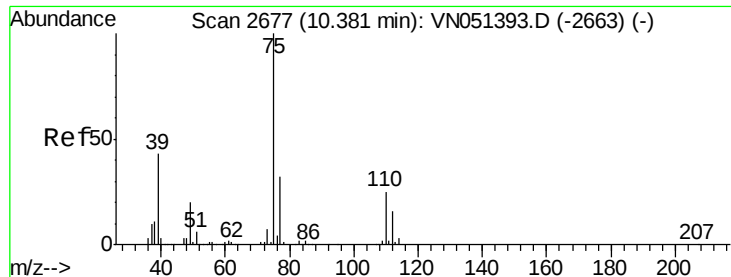
91 176.2 142.2 213.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





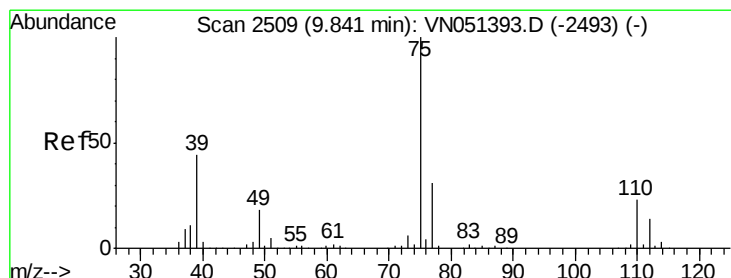
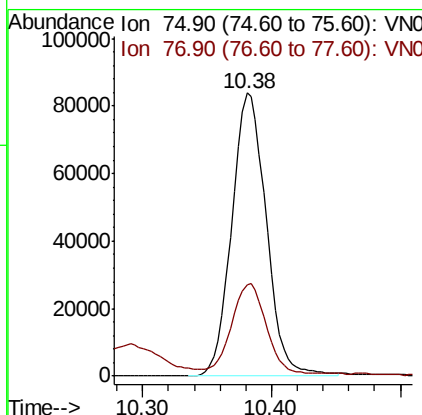
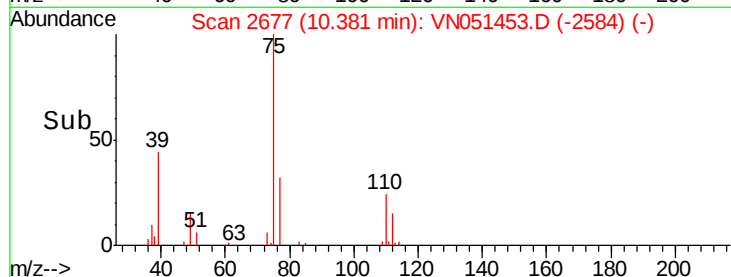
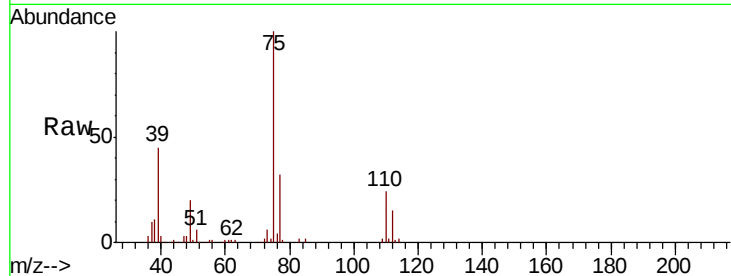
#53
t-1,3-Dichloropropene
Concen: 18.402 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion: 75 Resp: 156230
Ion Ratio Lower Upper
75 100
77 31.2 25.8 38.8

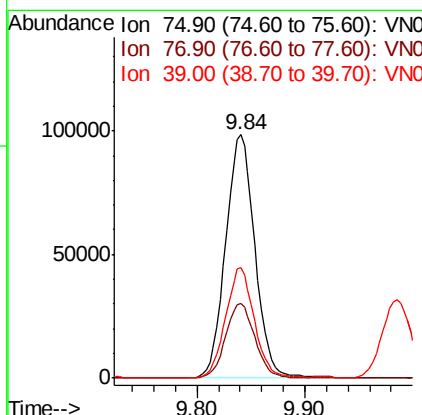
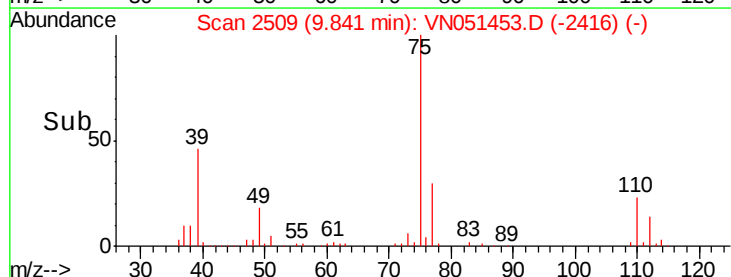
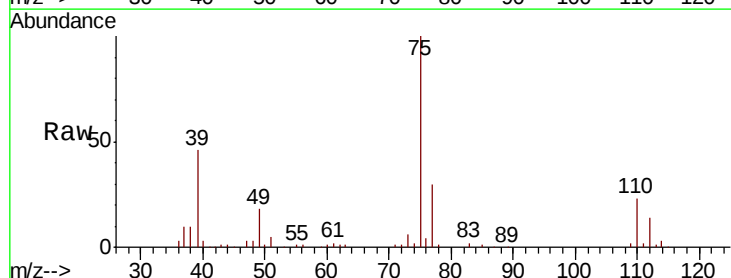
Manual Integrations
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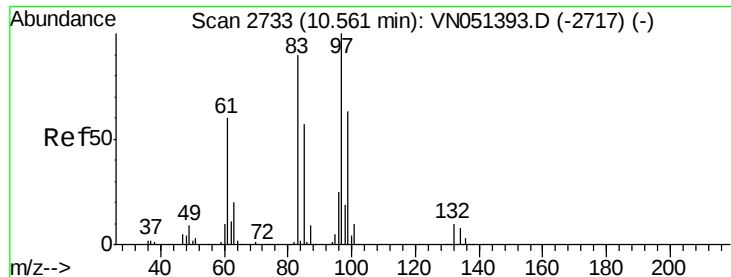
MMDadoda
9/25/2018 11:31:02 AM



#54
cis-1,3-Dichloropropene
Concen: 18.956 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion: 75 Resp: 186630
Ion Ratio Lower Upper
75 100
77 30.5 25.2 37.8
39 45.5 35.4 53.2





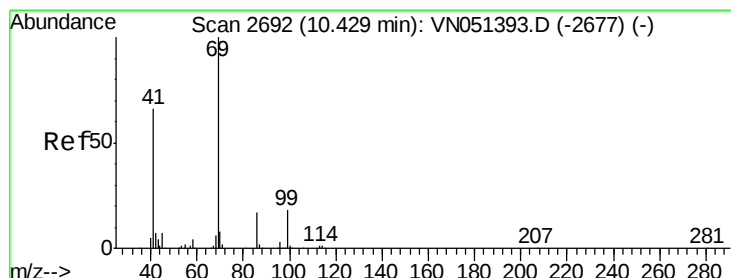
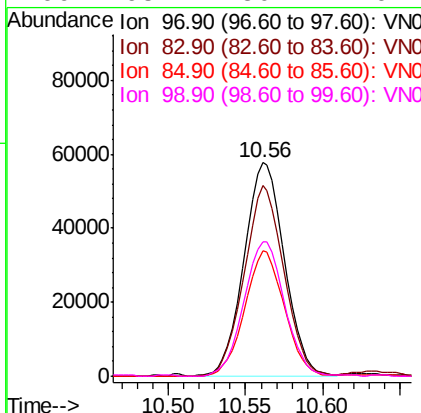
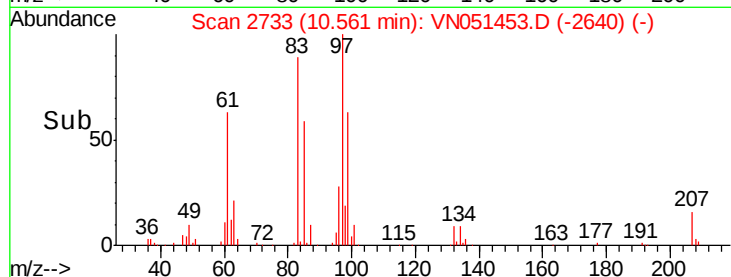
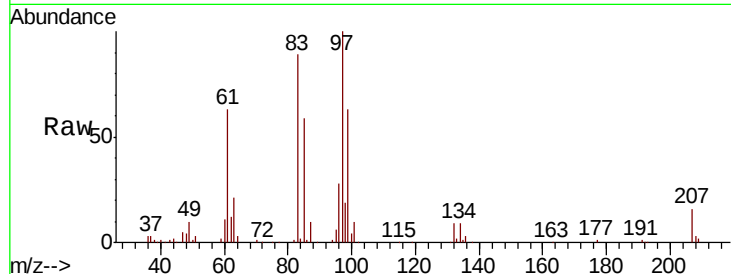
#55
 1,1,2-Trichloroethane
 Concen: 19.395 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		105391		
83	89.3	72.0	108.0		
85	58.7	45.2	67.8		
99	63.1	50.7	76.1		

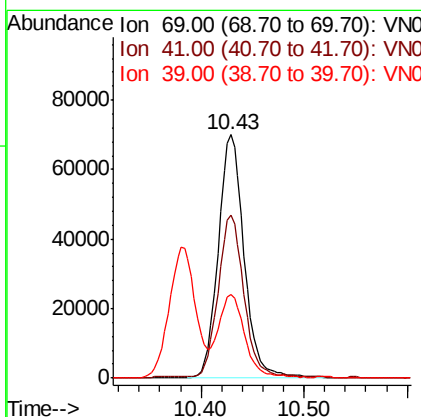
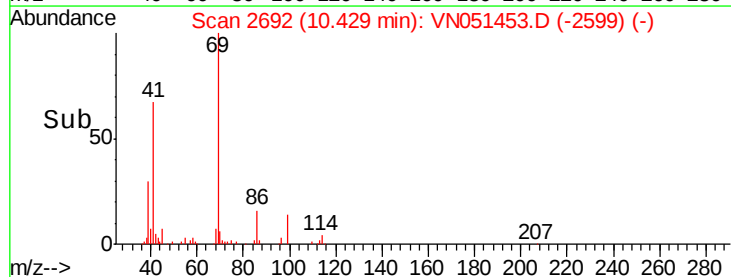
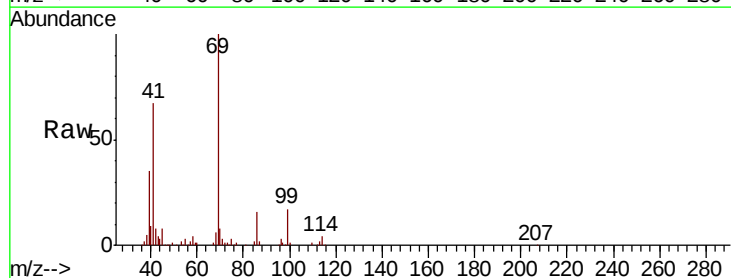
Manual Integrations
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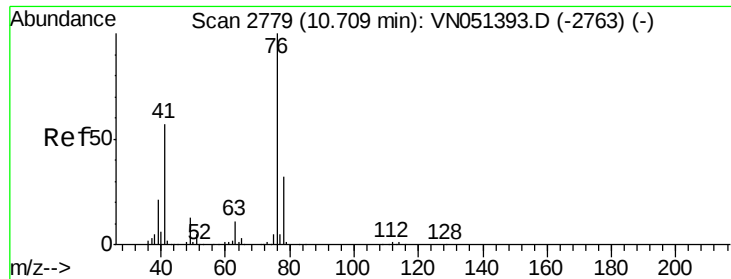
MMDadoda
 9/25/2018 11:31:02 AM



#56
 Ethyl methacrylate
 Concen: 18.390 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		122177		
41	65.8	52.4	78.6		
39	34.9	26.3	39.5		





#57

1,3-Dichloropropane

Concen: 19.313 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 76 Resp: 179878

Ion Ratio Lower Upper

76 100

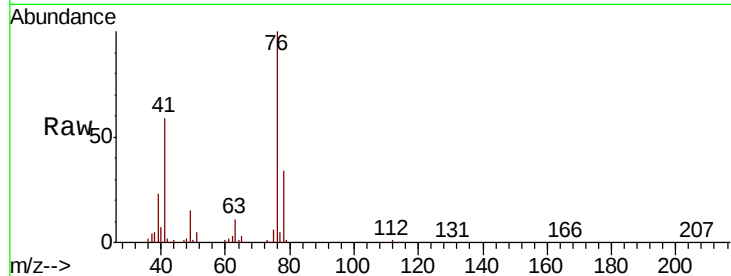
78 32.5 25.5 38.3

Manual Integrations

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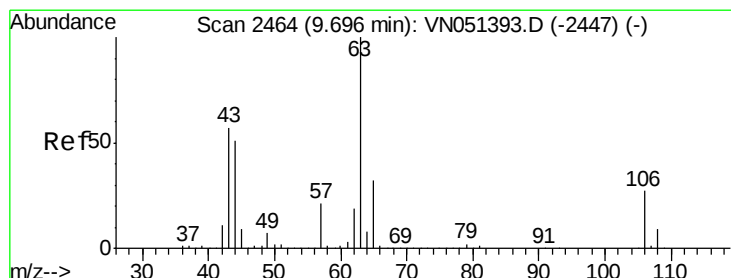
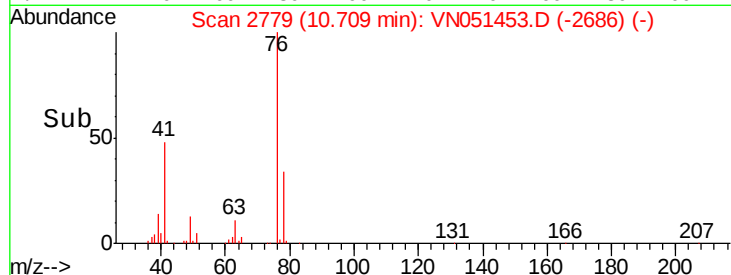
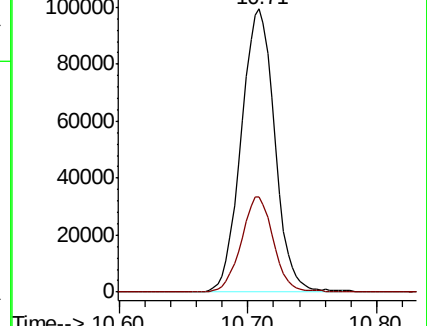
MMDadoda

9/25/2018 11:31:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 99.649 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051453.D

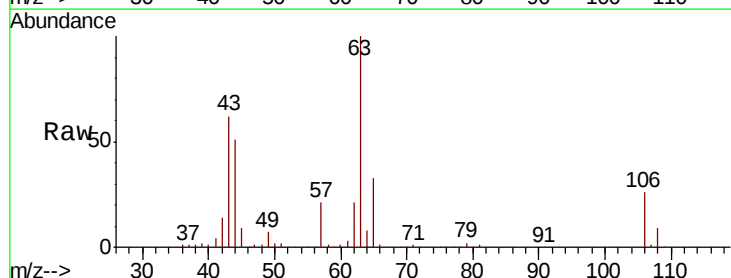
Acq: 24 Sep 2018 11:52

Tgt Ion: 63 Resp: 310331

Ion Ratio Lower Upper

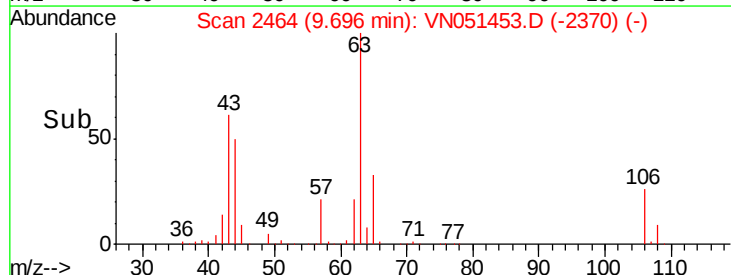
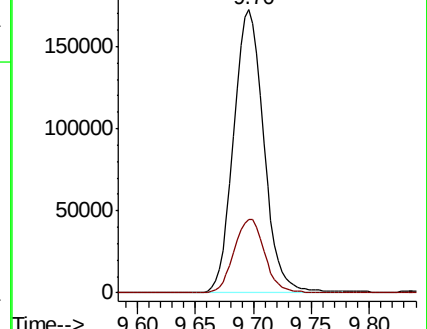
63 100

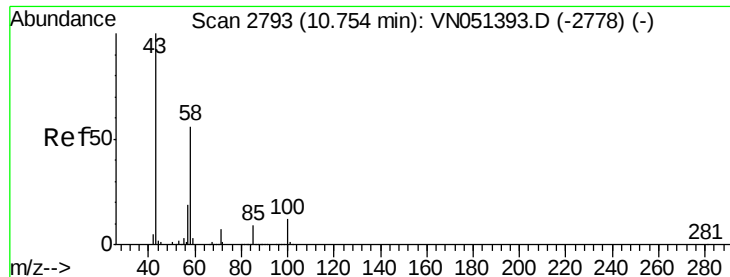
106 26.5 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





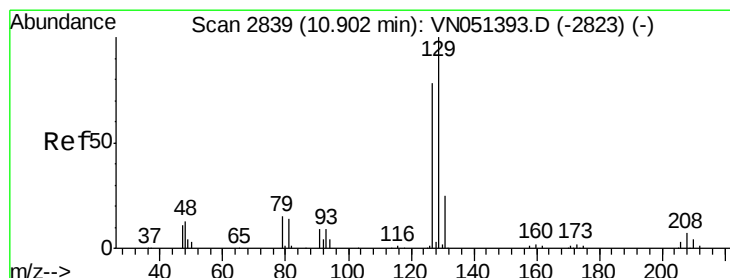
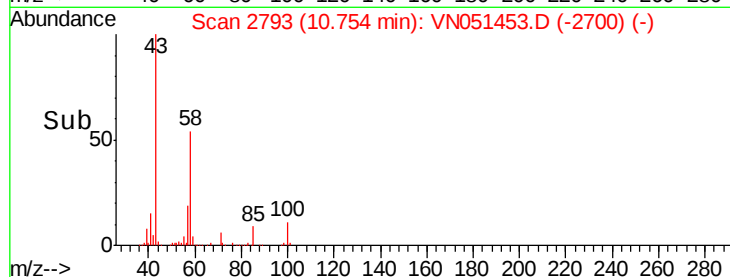
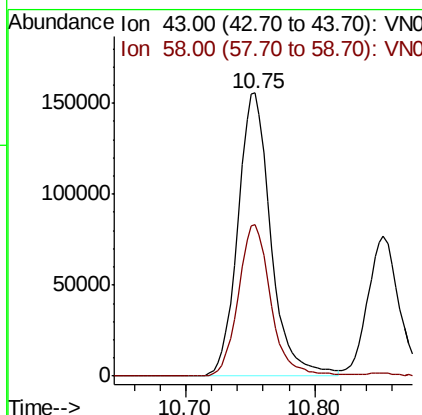
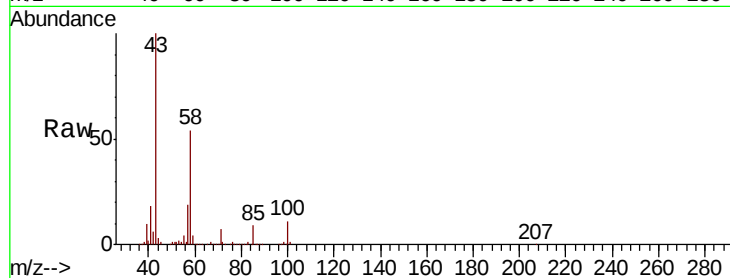
#59
2-Hexanone
Concen: 88.101 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	27.7	83.0

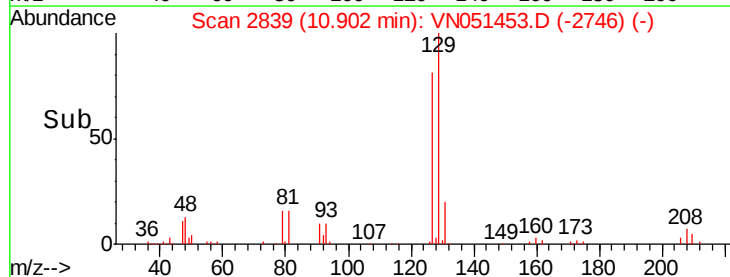
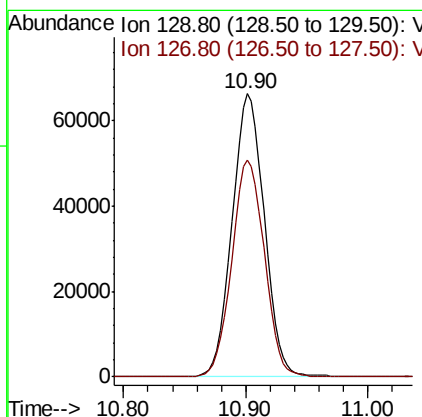
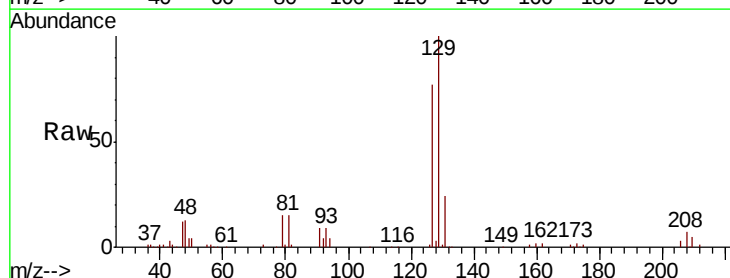
Manual Integrations
APPROVED

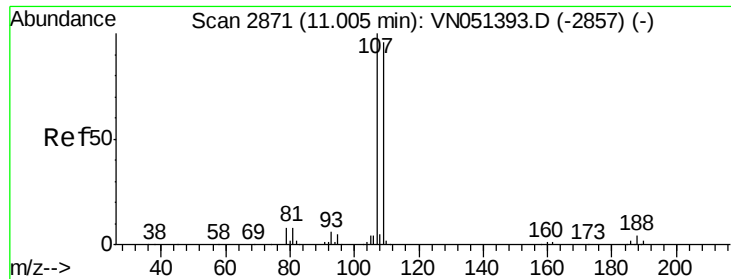
MMDadoda
9/25/2018 11:31:02 AM



#60
Dibromochloromethane
Concen: 18.962 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	116.0





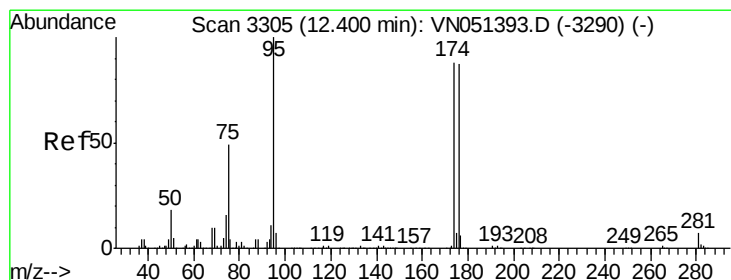
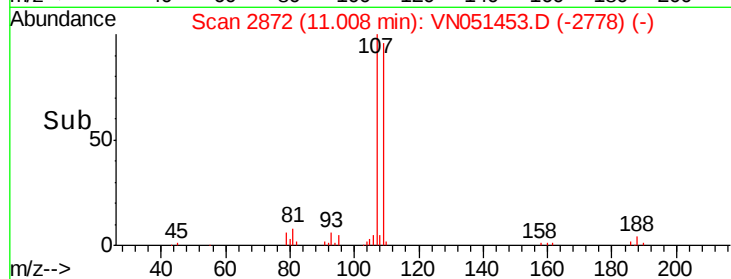
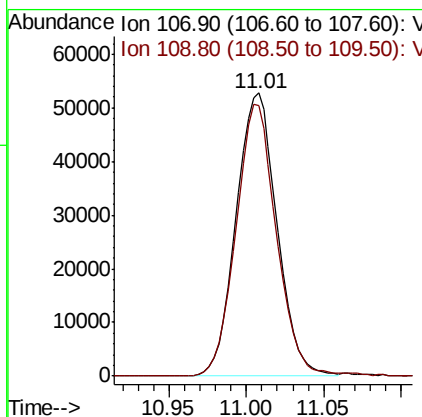
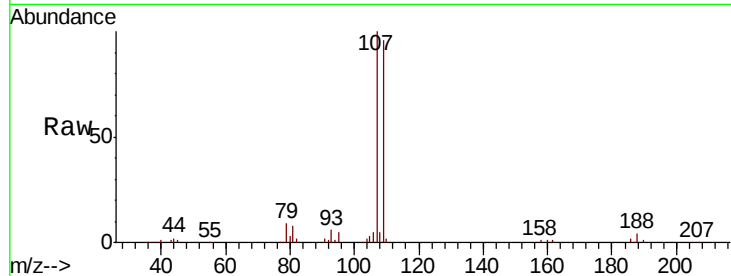
#61
 1,2-Dibromoethane
 Concen: 18.401 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion: 107 Resp: 97069
 Ion Ratio Lower Upper
 107 100
 109 94.8 76.3 114.5

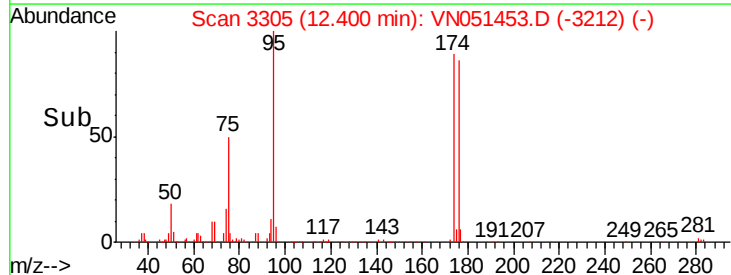
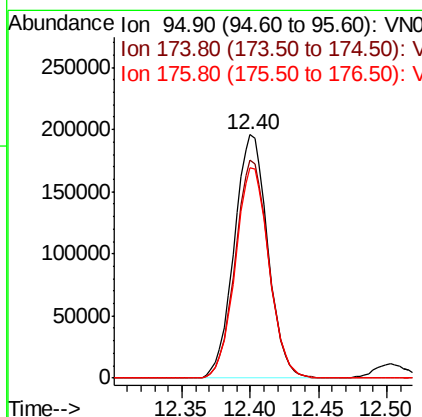
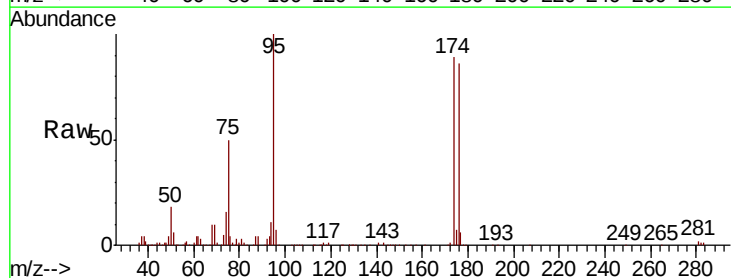
Manual Integrations
 APPROVED

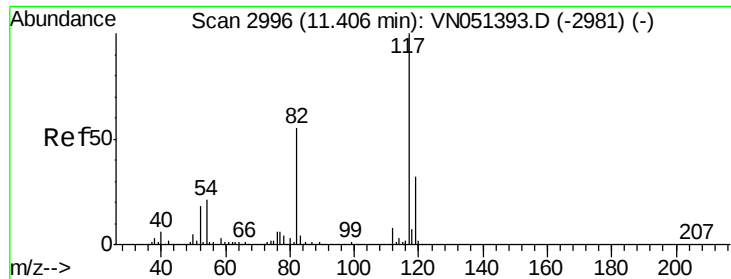
MMDadoda
 9/25/2018 11:31:02 AM



#62
 4-Bromofluorobenzene
 Concen: 47.193 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion: 95 Resp: 334506
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 181.6
 176 86.5 0.0 176.4





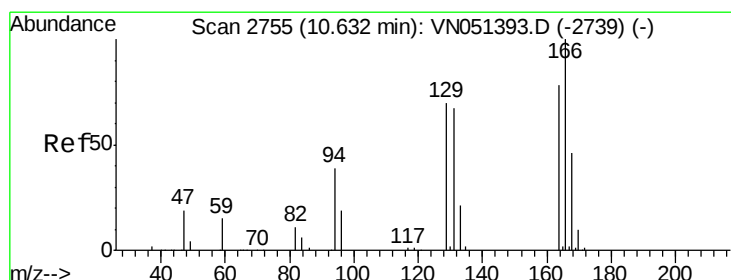
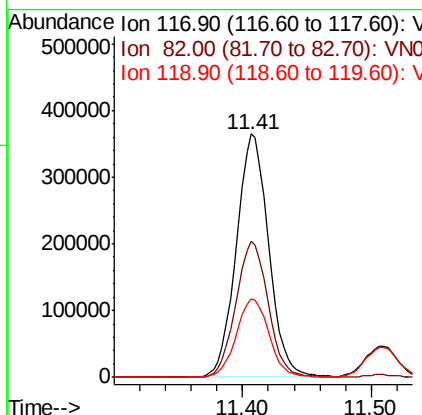
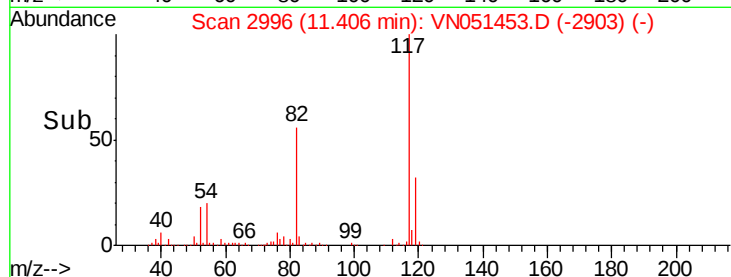
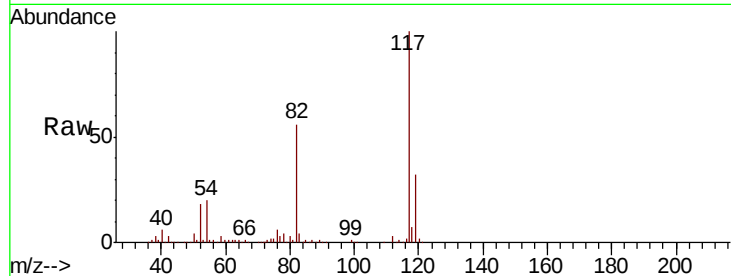
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.7	44.2	66.2	
119	32.3	25.9	38.9	

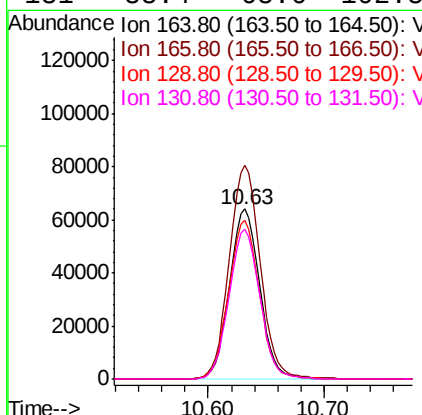
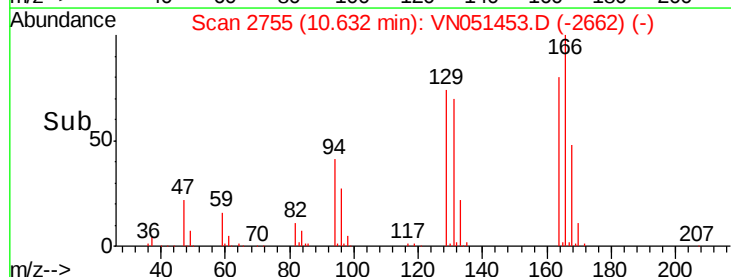
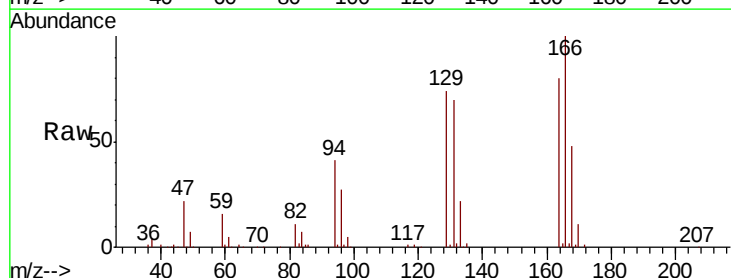
Manual Integrations
APPROVED

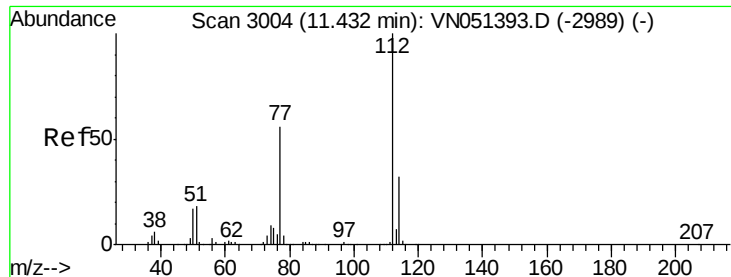
MMDadoda
9/25/2018 11:31:02 AM



#64
Tetrachloroethene
Concen: 20.017 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	125.6	102.3	153.5	
129	93.4	71.8	107.8	
131	88.4	68.6	102.8	





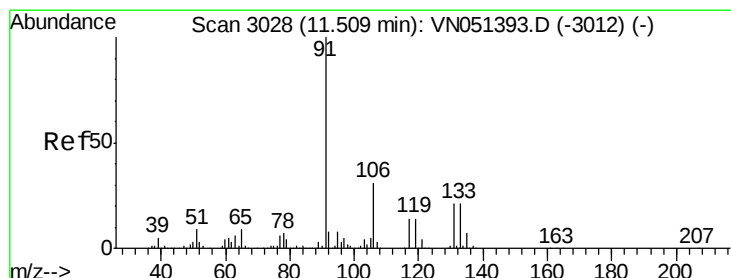
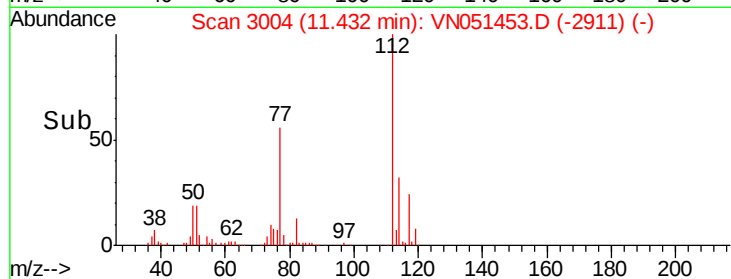
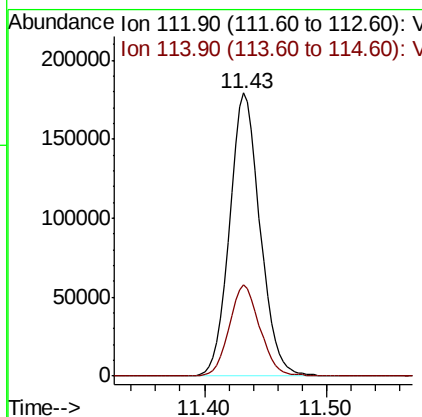
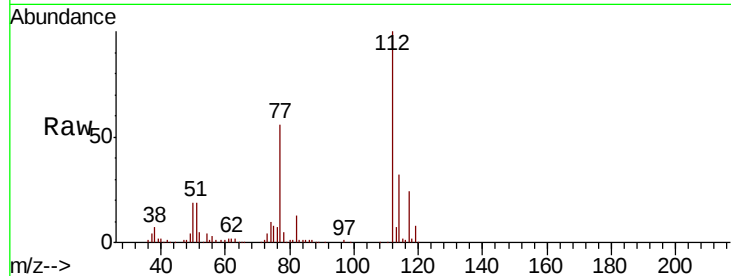
#65
Chlorobenzene
Concen: 19.120 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

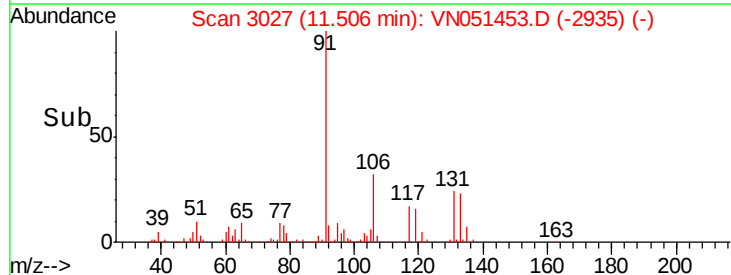
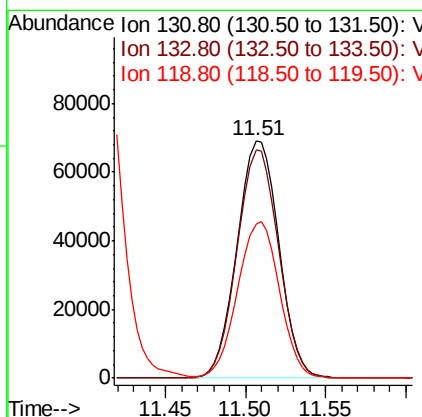
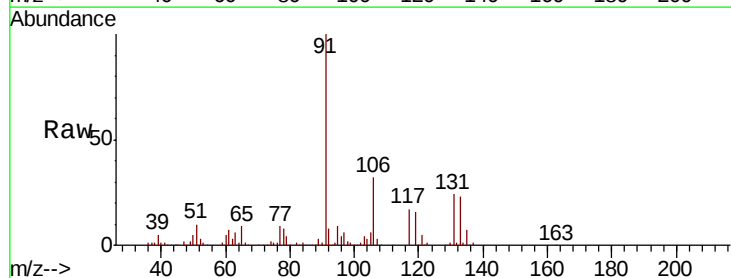
Manual Integrations
APPROVED

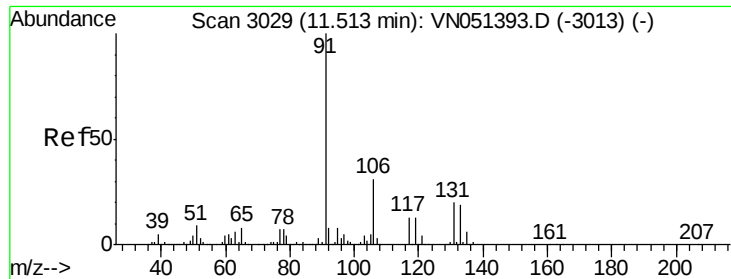
MMDadoda
9/25/2018 11:31:02 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.797 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.3	144.8
119	66.3	32.8	98.4





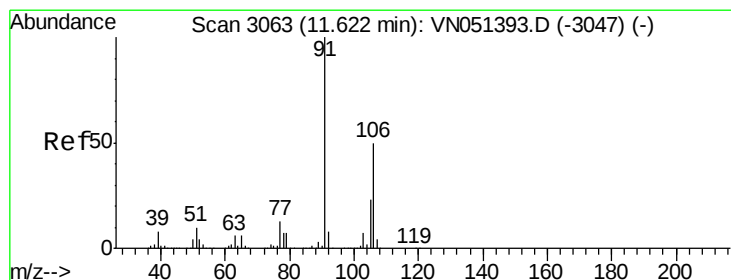
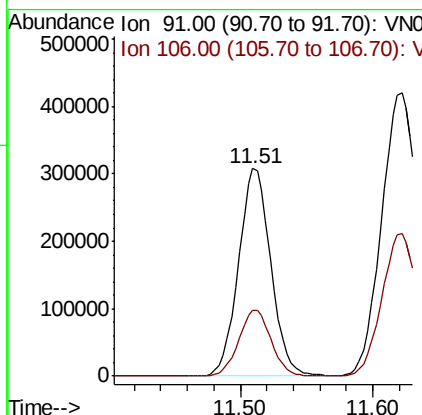
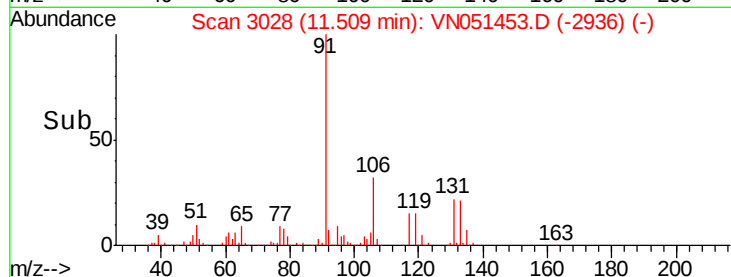
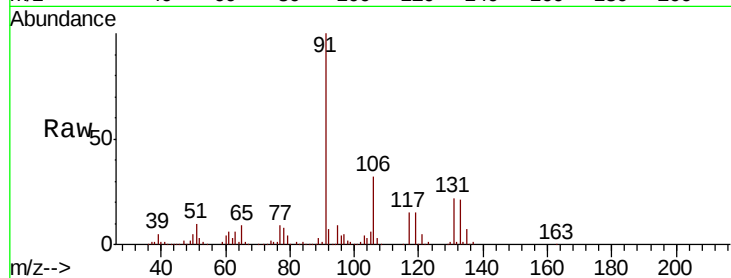
#67
Ethyl Benzene
Concen: 18.921 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion: 91 Resp: 520848
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.4

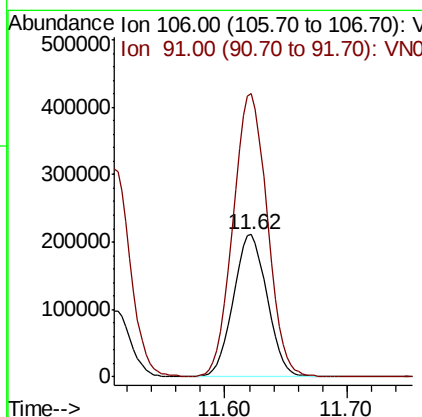
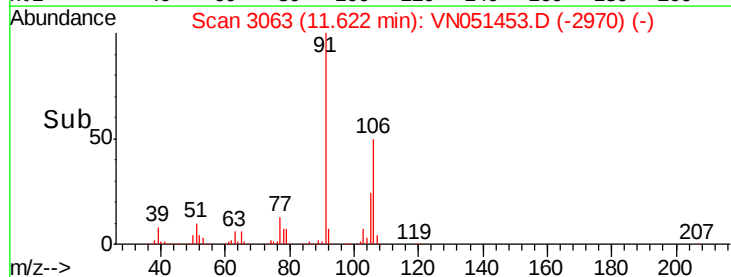
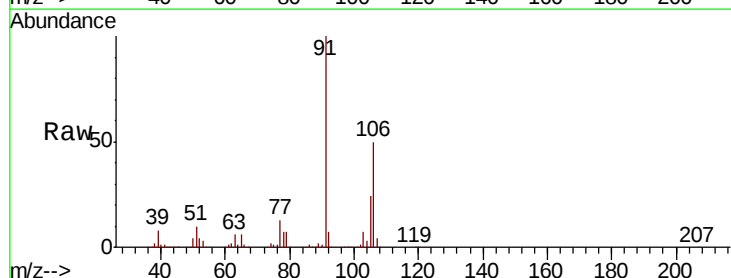
Manual Integrations
APPROVED

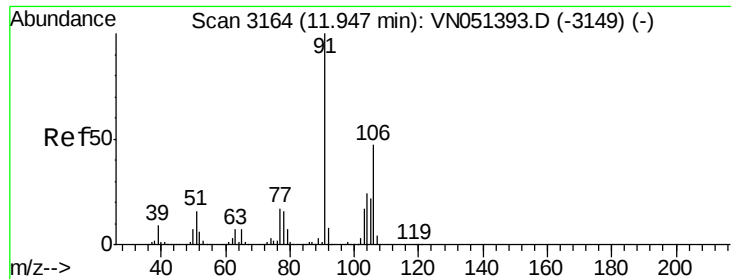
MMDadoda
9/25/2018 11:31:02 AM



#68
m/p-Xylenes
Concen: 38.078 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion: 106 Resp: 405439
Ion Ratio Lower Upper
106 100
91 201.7 161.3 241.9





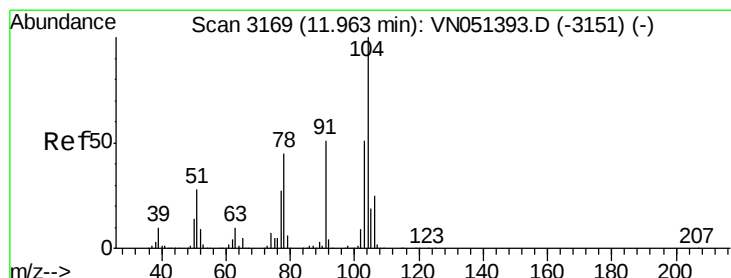
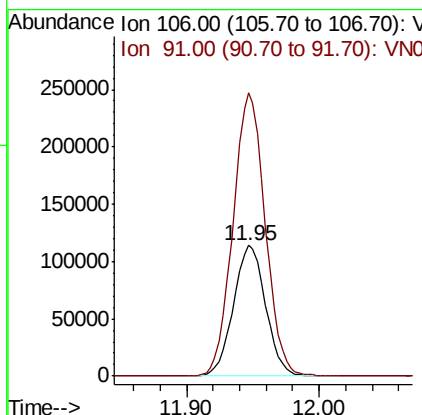
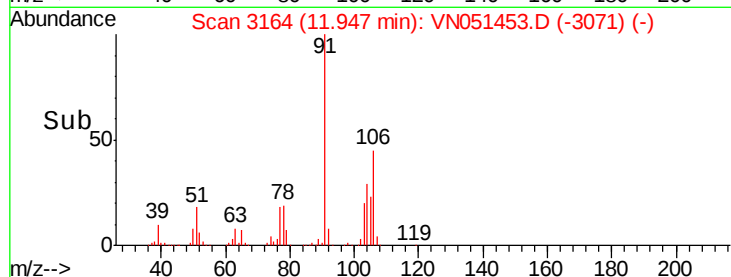
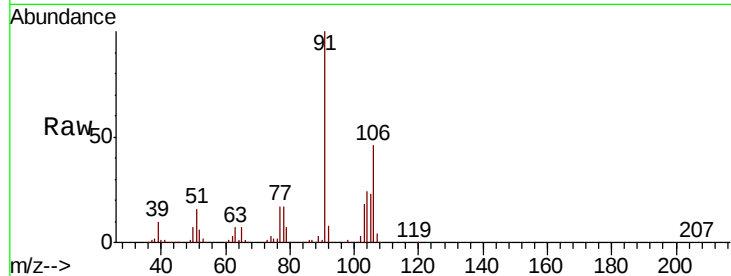
#69
o-Xylene
Concen: 18.831 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	192753		
91	91	215.8	105.3	315.9	

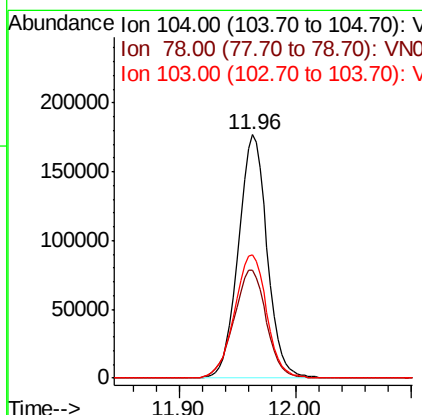
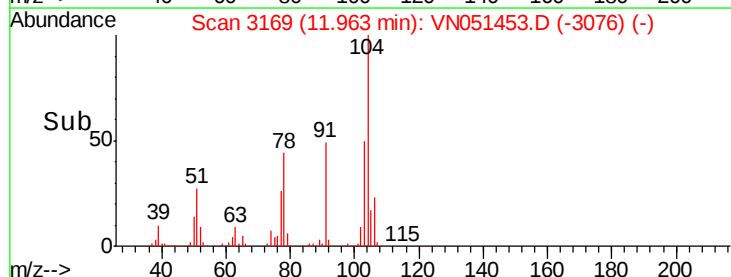
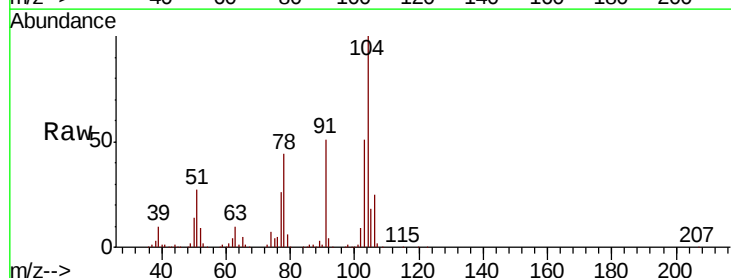
Manual Integrations
APPROVED

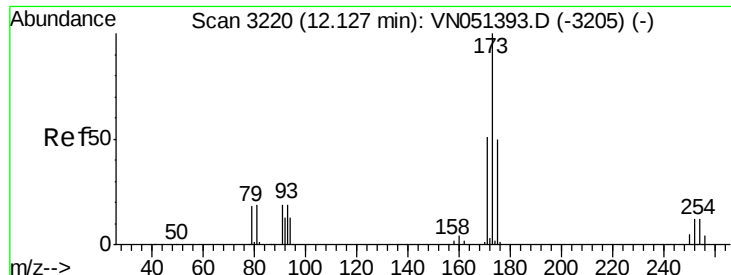
MMDadoda
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#70
Styrene
Concen: 18.827 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	305373		
78	78	50.2	39.9	59.9	
103	103	56.6	44.6	66.8	





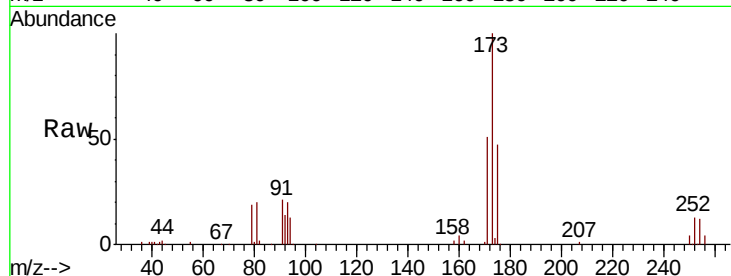
#71
Bromoform
Concen: 18.422 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.8	74.3
254	0.0	0.2	0.2

Manual Integrations
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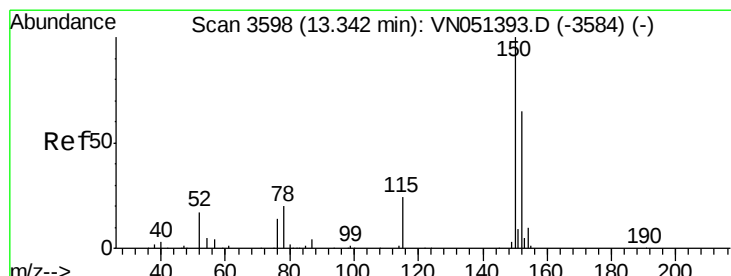
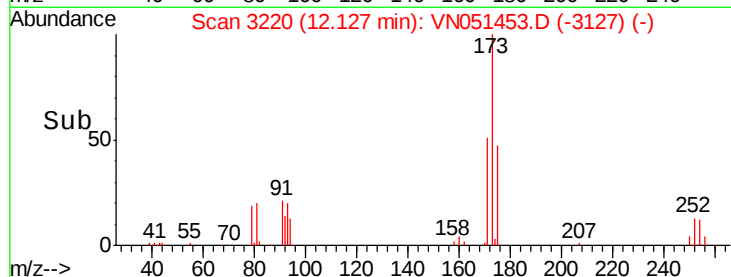
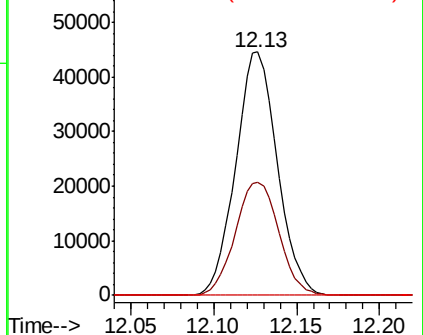


Abundance

Ion 172.70 (172.40 to 173.40): V

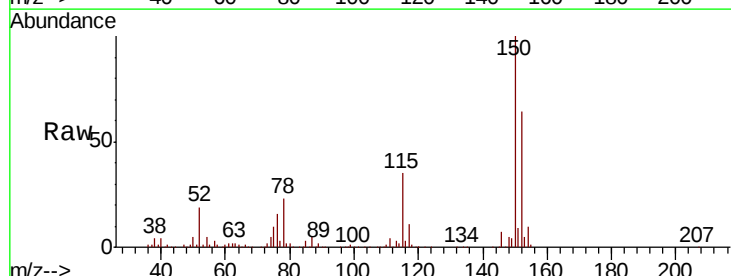
Ion 174.70 (174.40 to 175.40): V

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: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.3	84.9
150	163.7	0.0	353.6

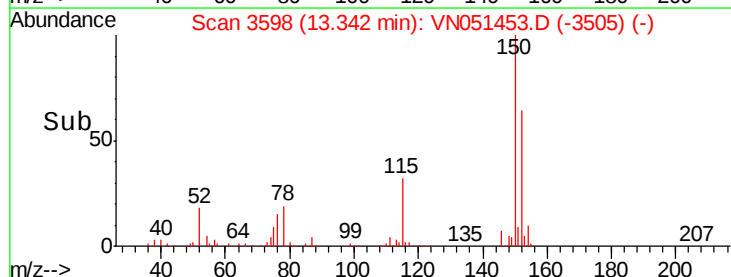
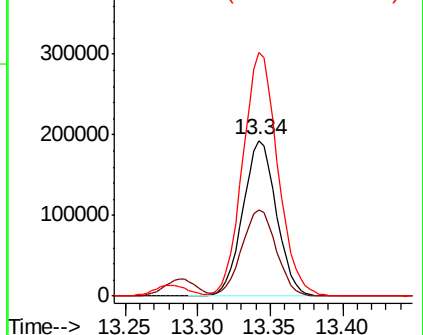


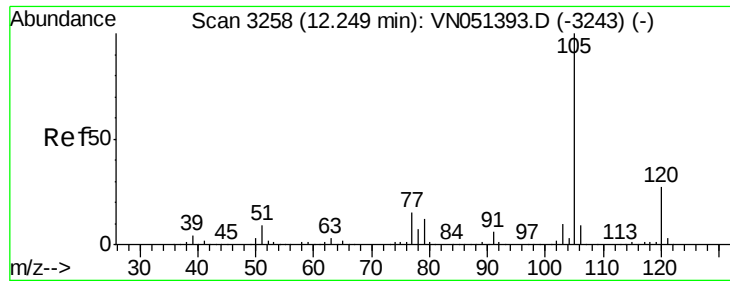
Abundance

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: 19.665 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

ClientSampled :

VN0924WBSD01

Tot Ion: 105 Resp: 515519

Ion Ratio Lower Upper

105 100

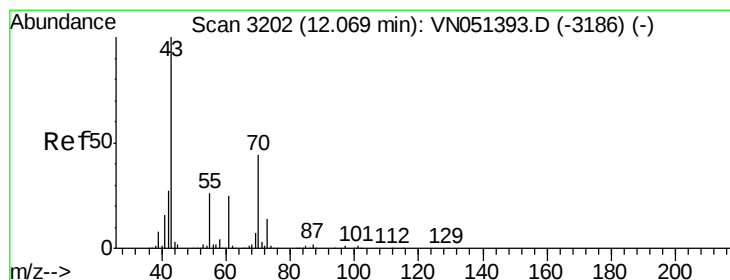
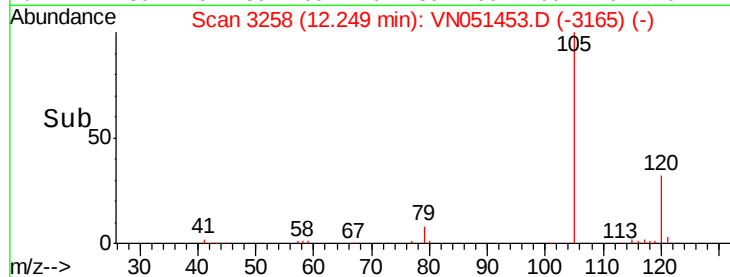
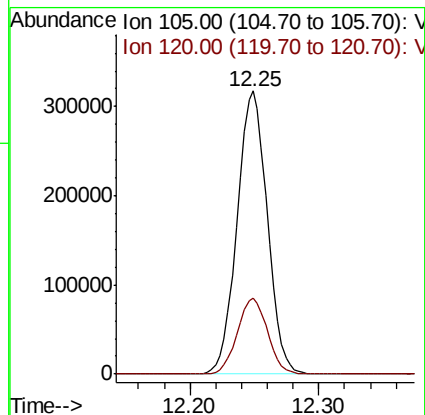
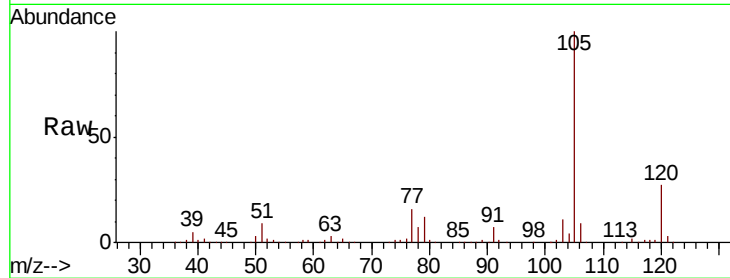
120 26.7 13.3 39.8

Manual Integrations

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MMDadoda

9/25/2018 11:31:02 AM



#74

N-ethyl acetate

Concen: 18.375 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Tgt Ion: 43 Resp: 120864

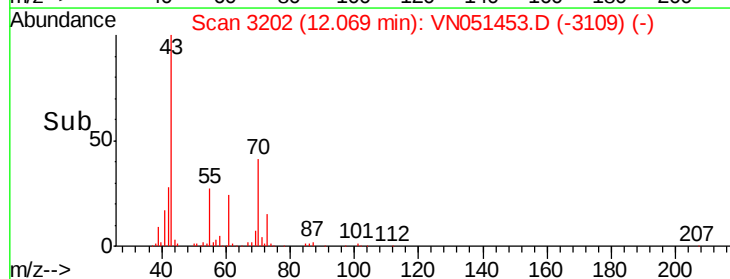
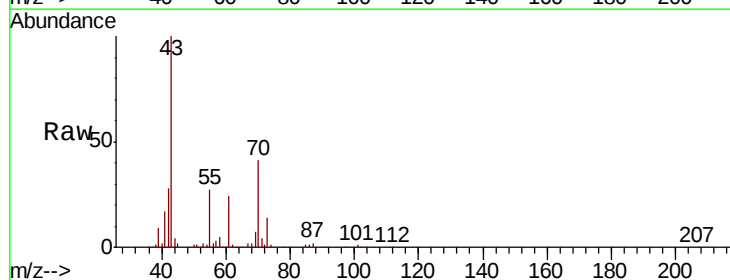
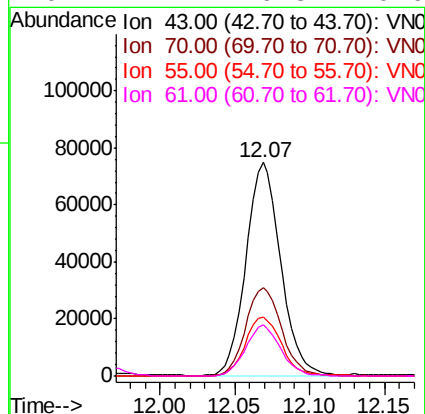
Ion Ratio Lower Upper

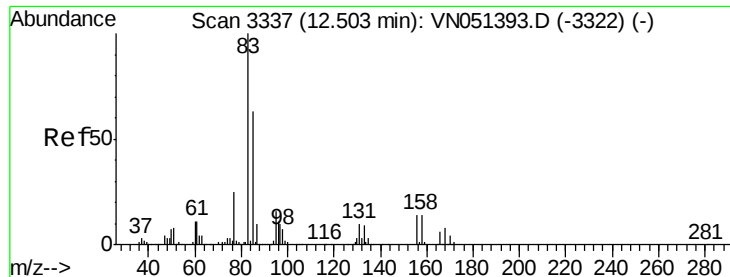
43 100

70 42.9 35.0 52.4

55 28.9 21.4 32.2

61 24.2 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.418 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

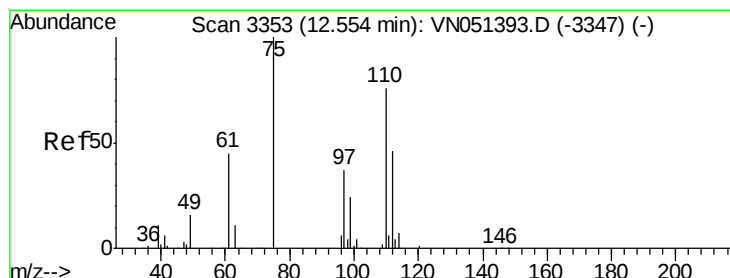
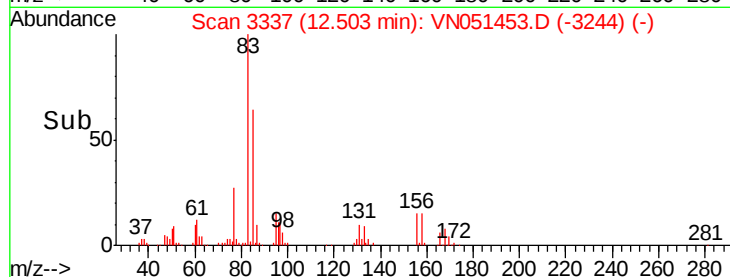
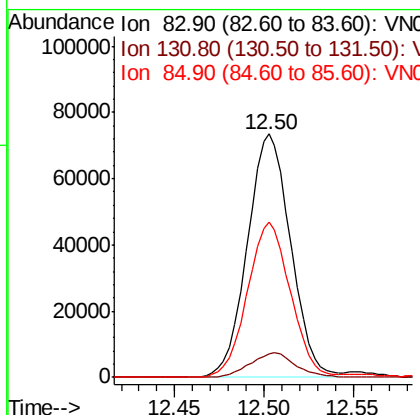
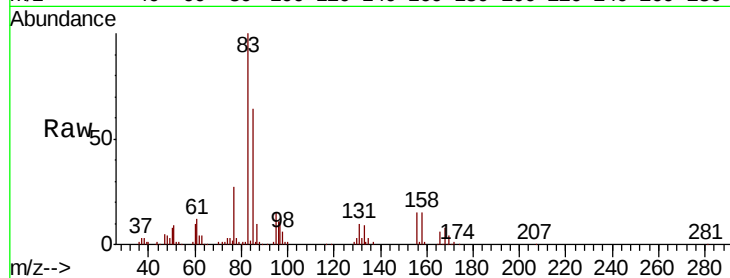
ClientSampleId :

VN0924WBSD01

Tot Ion:	83	Resp:	124819
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.9
85	63.4	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.096 ug/l m

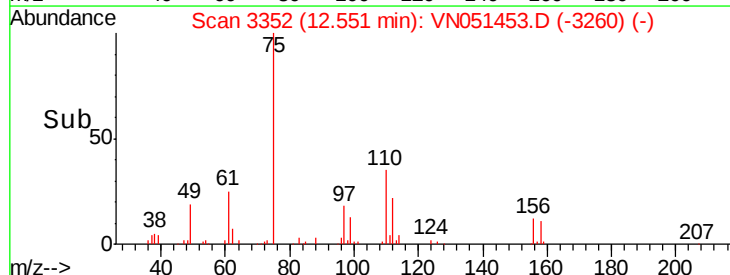
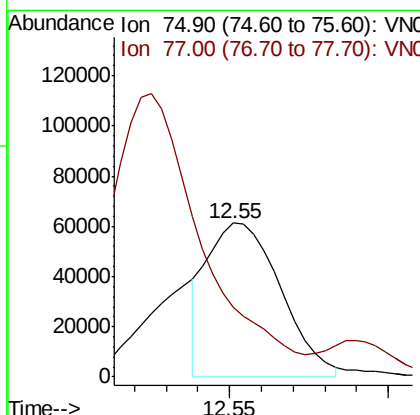
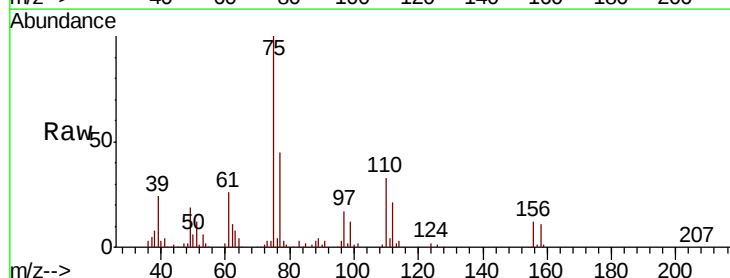
RT: 12.55 min Scan# 3352

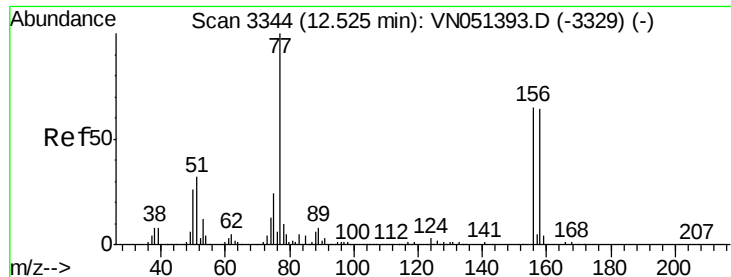
Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Tgt Ion:	75	Resp:	98494
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.508 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

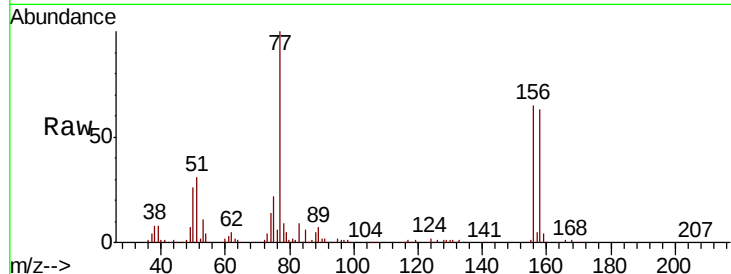
ClientSampleId :

VN0924WBSD01

Tot Ion:	156	Resp:	129465
Ion Ratio	Lower	Upper	
156	100		
77	180.0	89.5	268.4
158	97.3	49.4	148.2

Manual Integrations
APPROVED

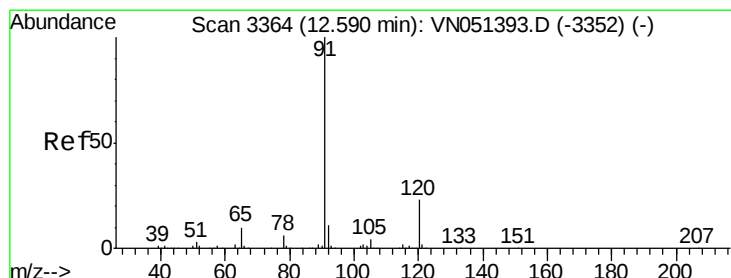
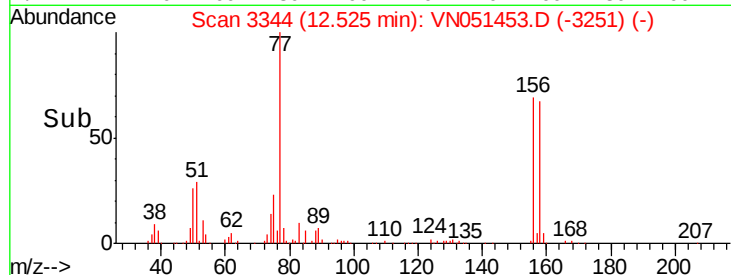
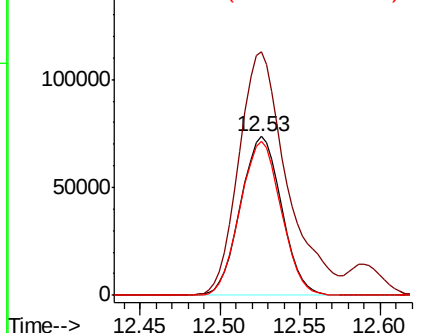
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.673 ug/l

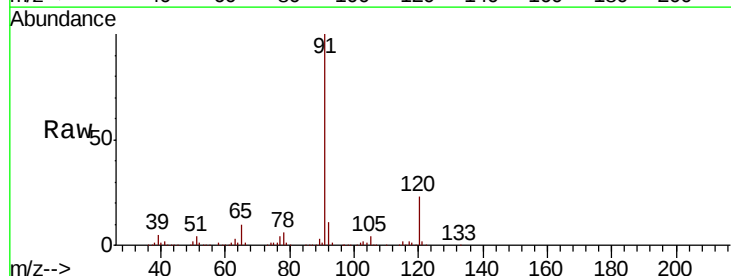
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051453.D

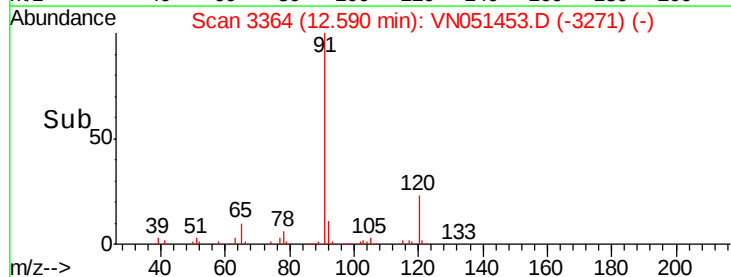
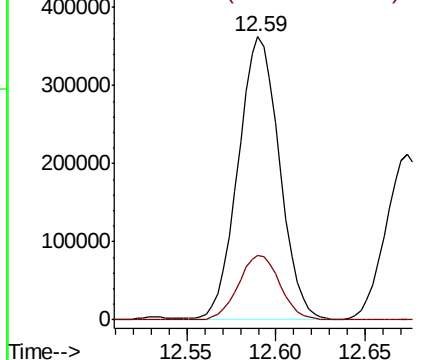
Acq: 24 Sep 2018 11:52

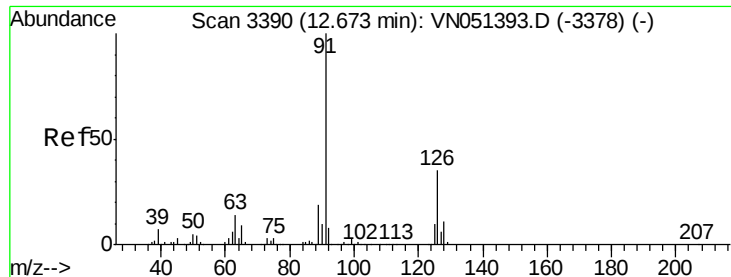
Tgt Ion:	91	Resp:	581244
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.889 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

ClientSampled :

VN0924WBSD01

Tot Ion: 91 Resp: 351739

Ion Ratio Lower Upper

91 100

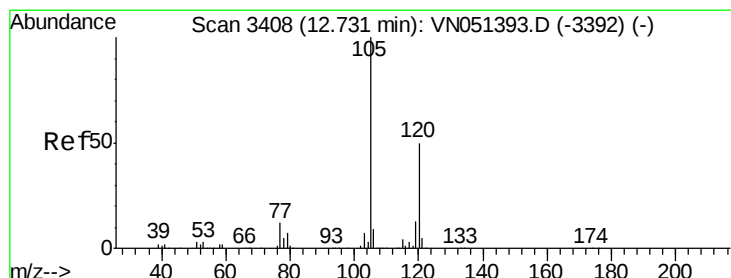
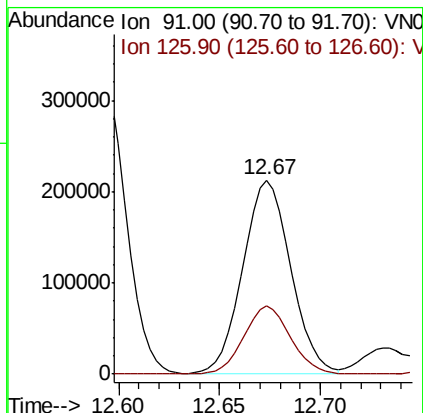
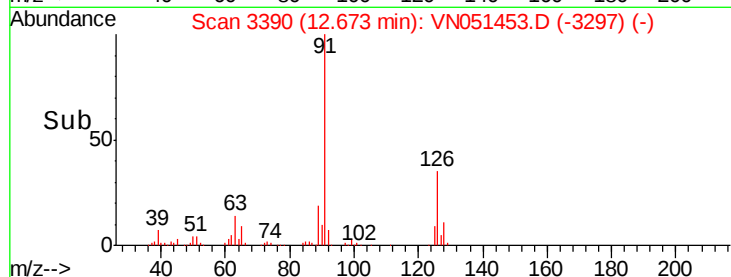
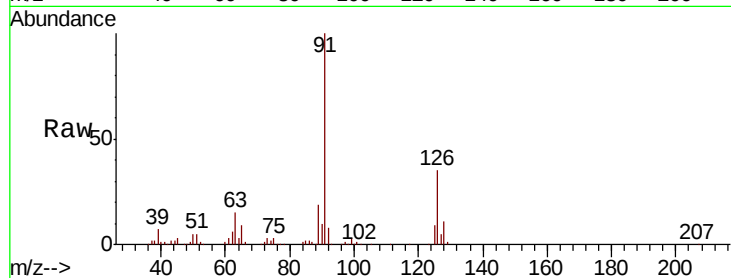
126 34.4 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.028 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051453.D

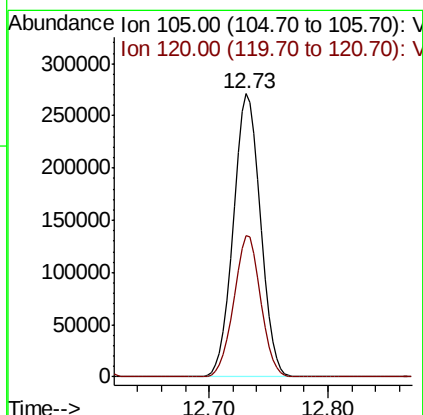
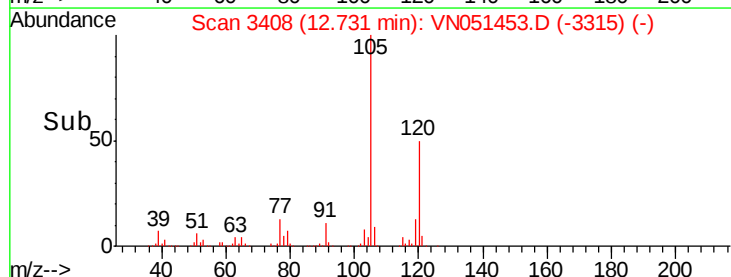
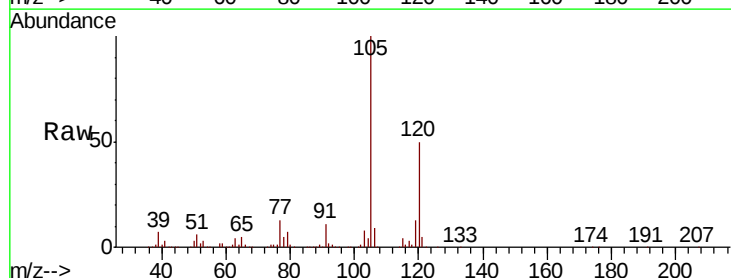
Acq: 24 Sep 2018 11:52

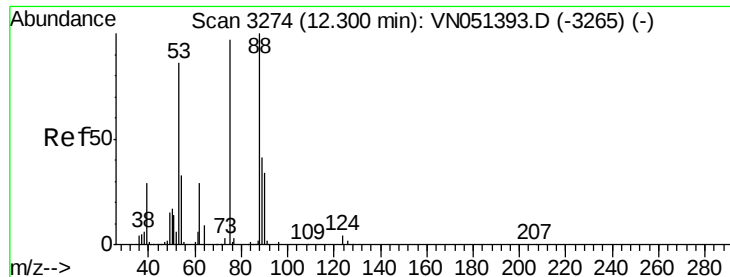
Tgt Ion: 105 Resp: 428111

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4





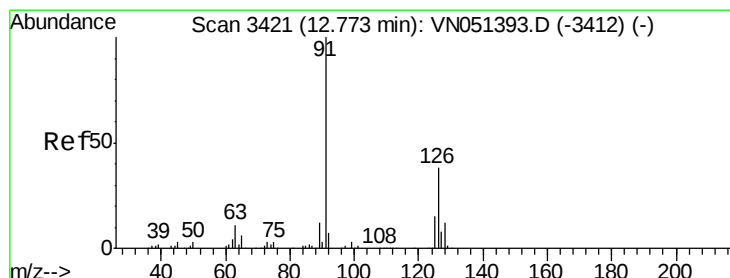
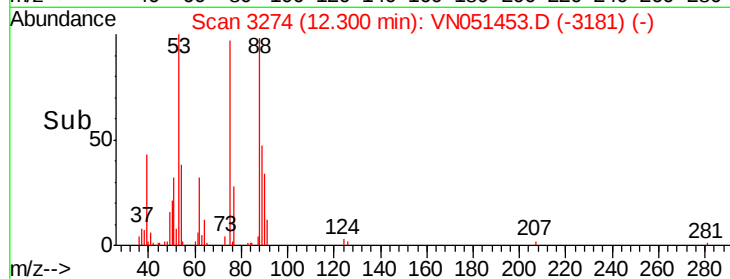
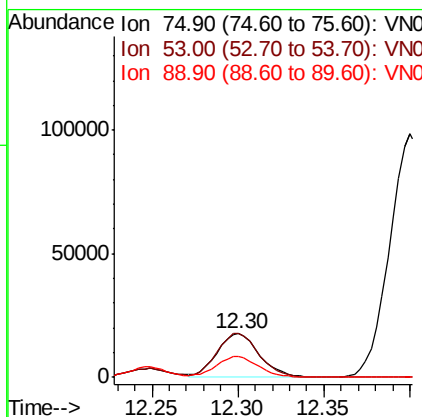
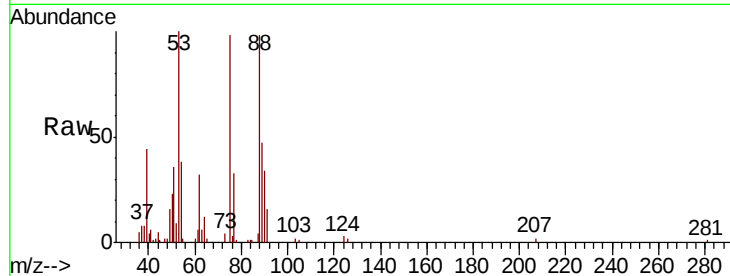
#81
trans-1,4-Dichloro-2-butene
Concen: 18.413 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.1	73.9	110.9
89	46.6	36.7	55.1

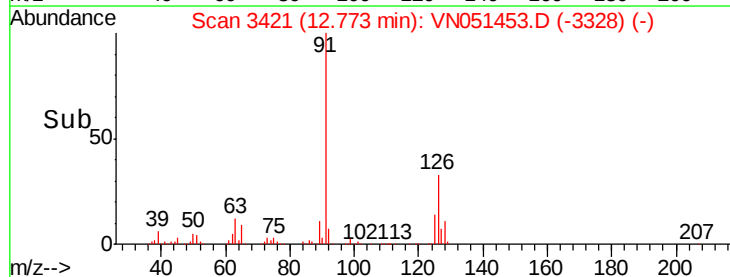
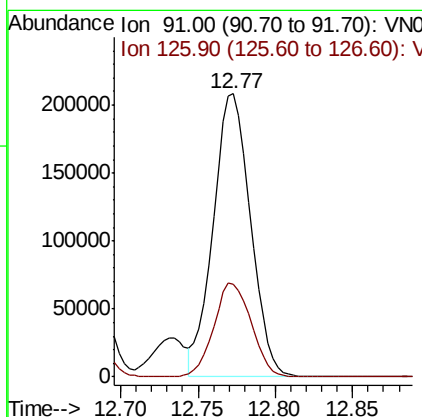
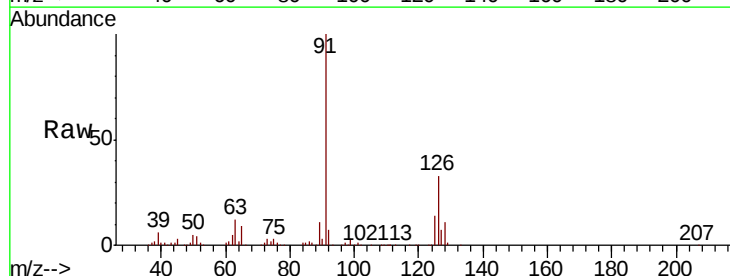
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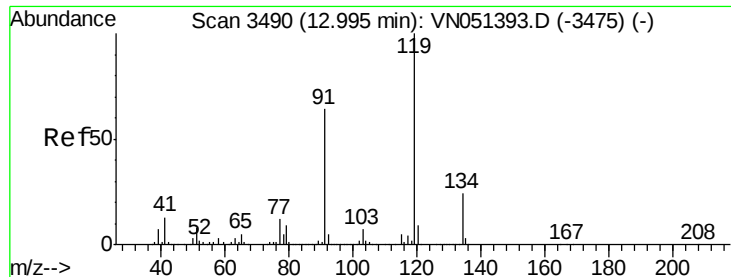
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#82
4-Chlorotoluene
Concen: 19.749 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.4	17.5	52.5





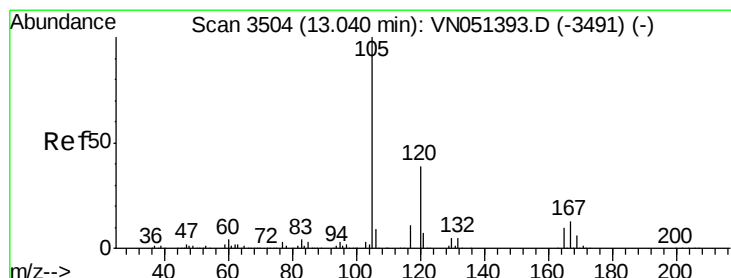
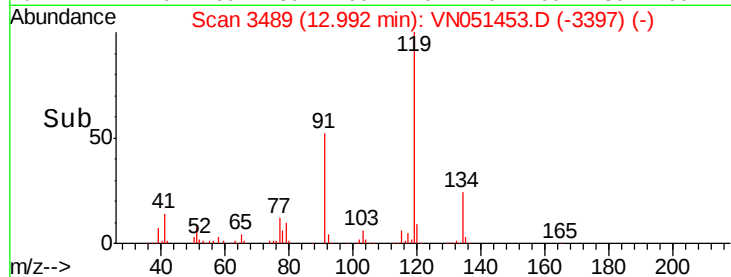
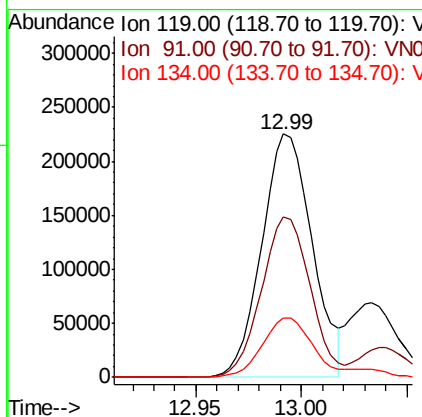
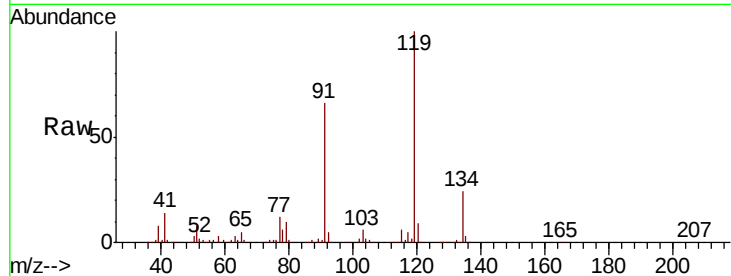
#83
 tert-Butylbenzene
 Concen: 19.761 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	375981		
91	64.1		31.7	95.1
134	24.2		12.3	36.9

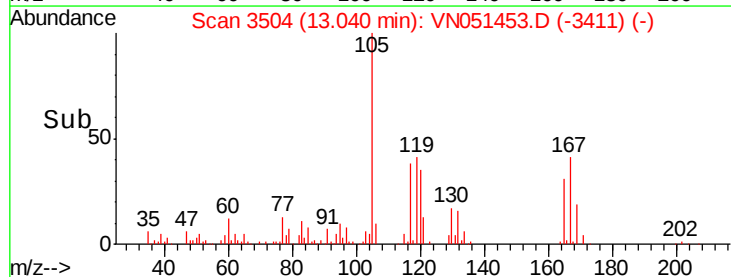
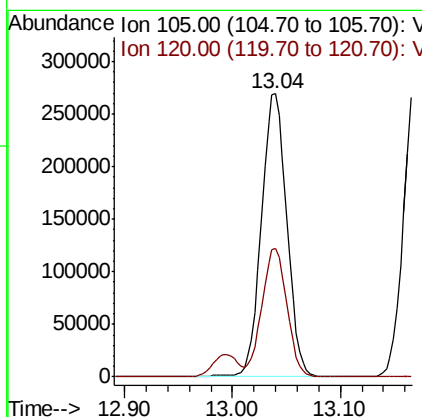
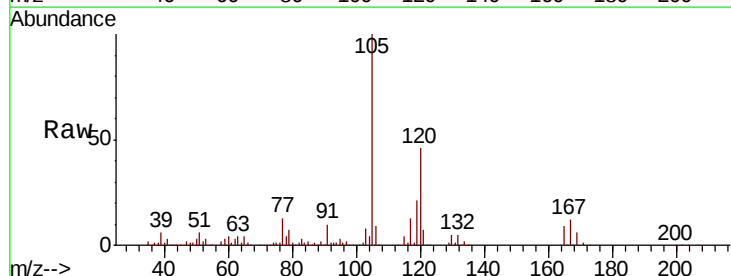
Manual Integrations
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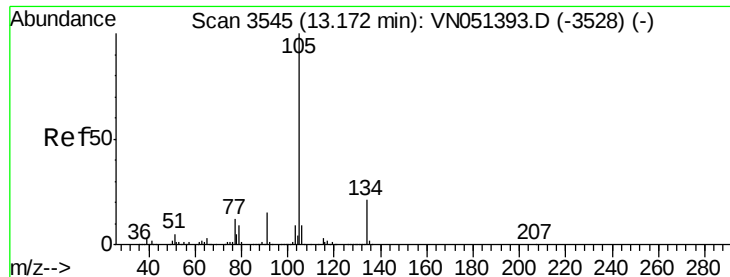
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.425 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	439957		
120	44.9		22.9	68.7





#85

sec-Butylbenzene

Concen: 19.875 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion:105 Resp: 511573

Ion Ratio Lower Upper

105 100

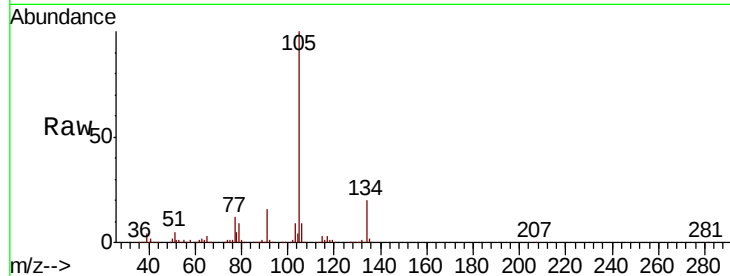
134 20.6 10.4 31.1

Manual Integrations

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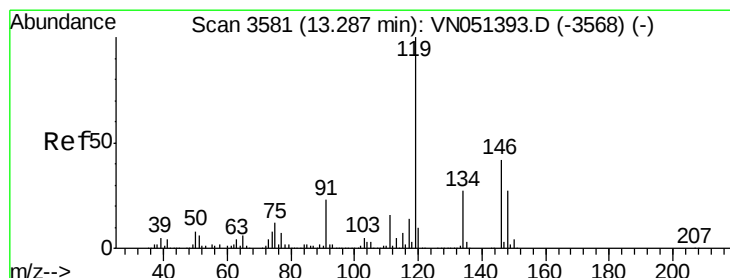
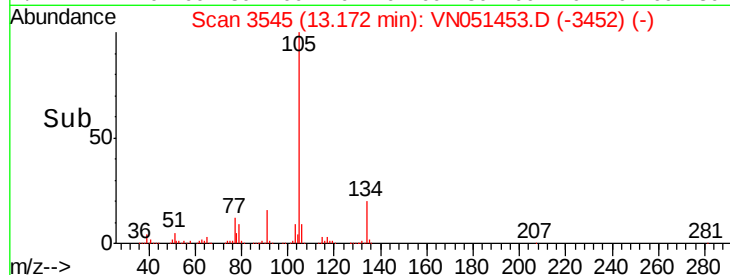
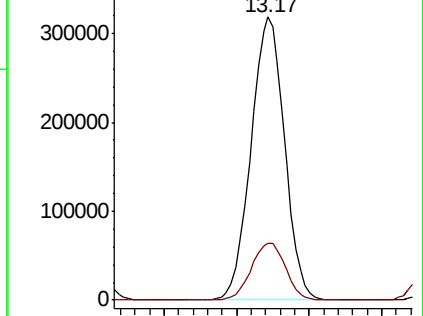
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.547 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

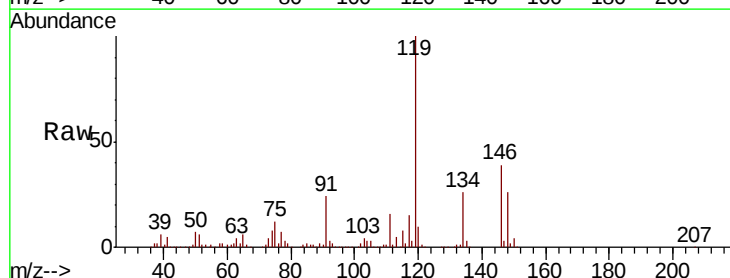
Tgt Ion:119 Resp: 435350

Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.9

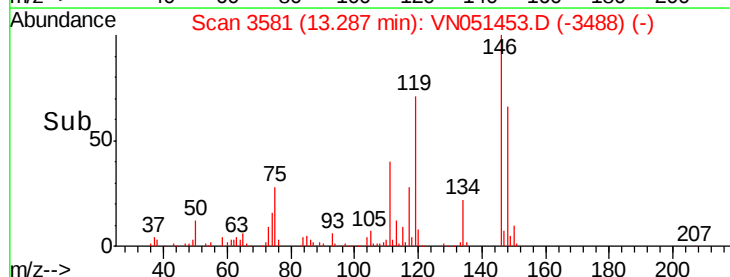
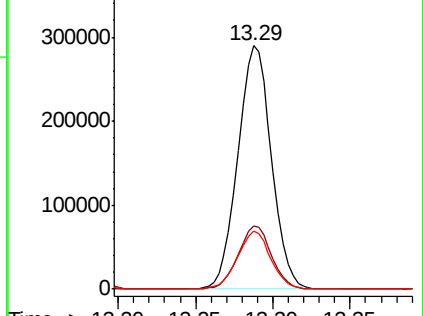
91 23.3 11.4 34.2

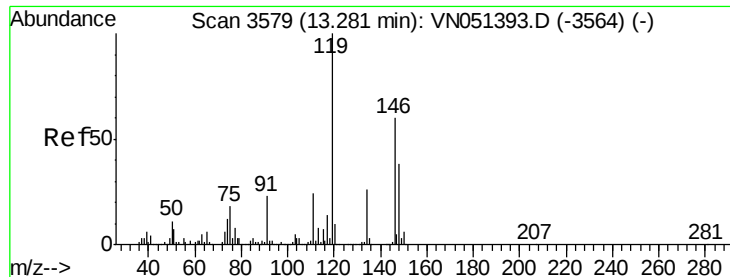


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





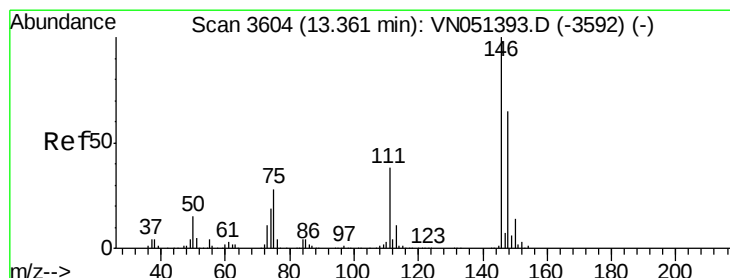
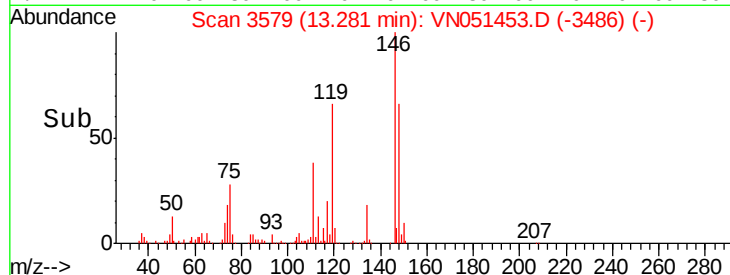
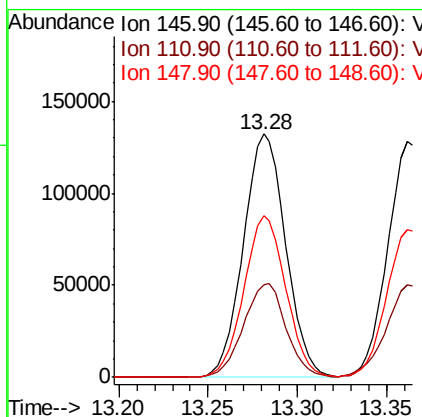
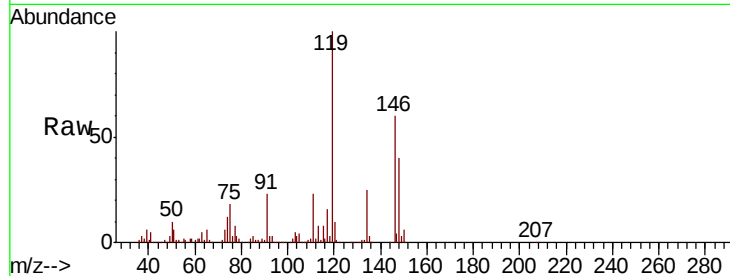
#87
 1,3-Dichlorobenzene
 Concen: 19.063 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	218923		
111	38.7	19.7	59.1	
148	65.8	31.9	95.7	

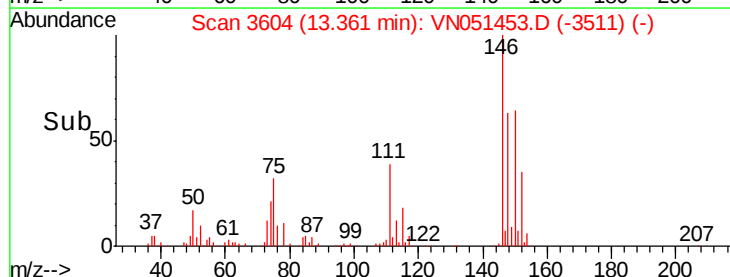
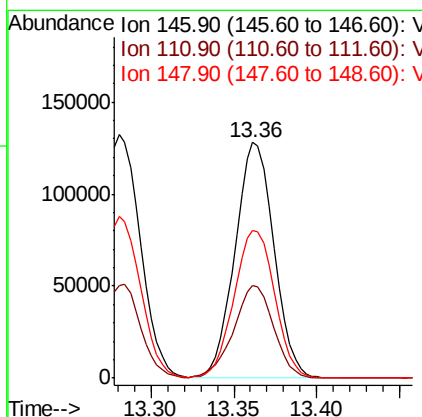
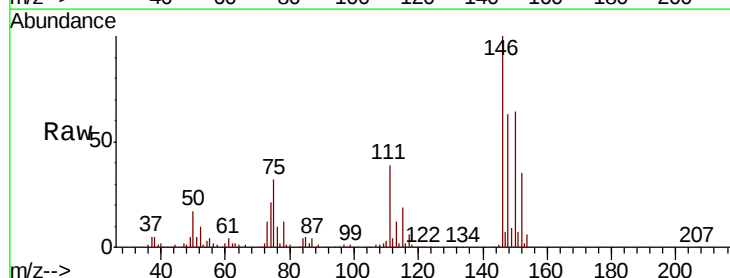
Manual Integrations
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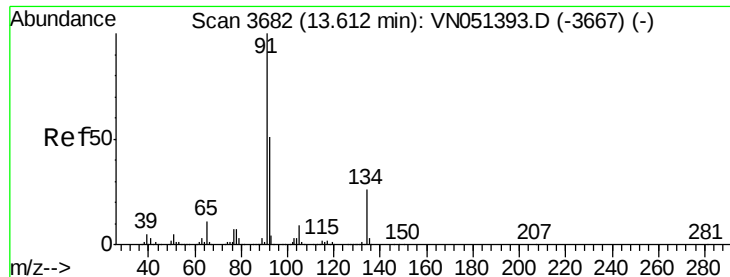
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 9/25/2018 11:31:02 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.943 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	209322		
111	40.3	19.1	57.1	
148	65.4	32.5	97.5	





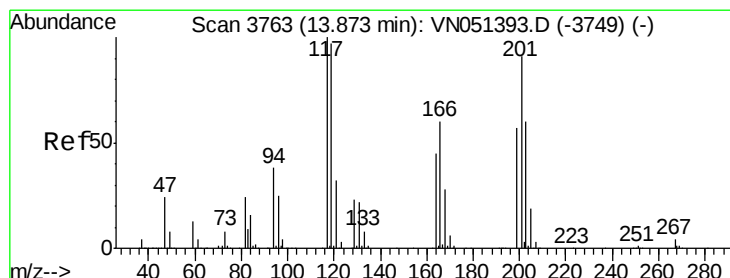
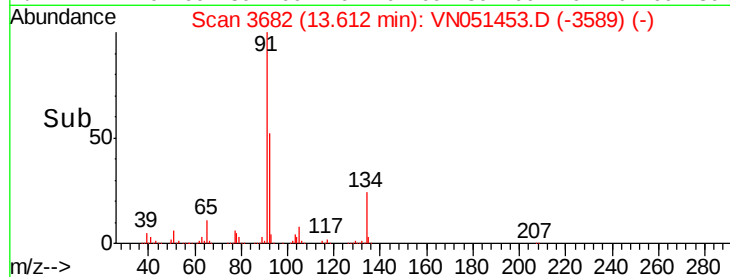
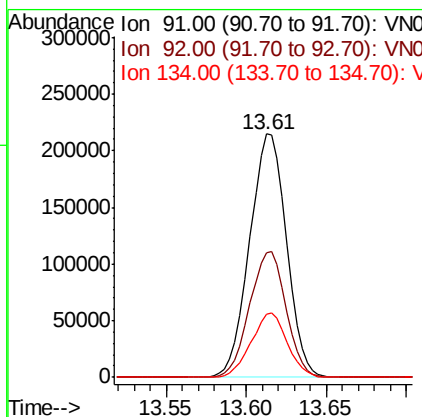
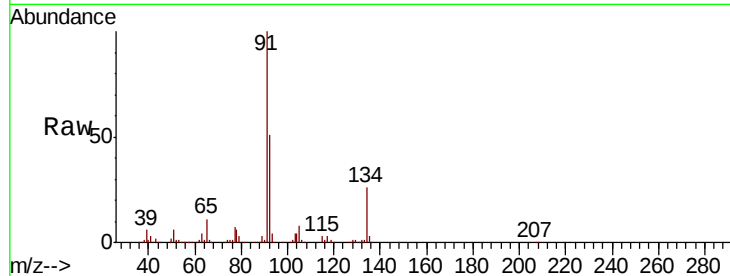
#89
n-Butylbenzene
Concen: 18.481 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.5	76.5
134	25.9	13.3	39.8

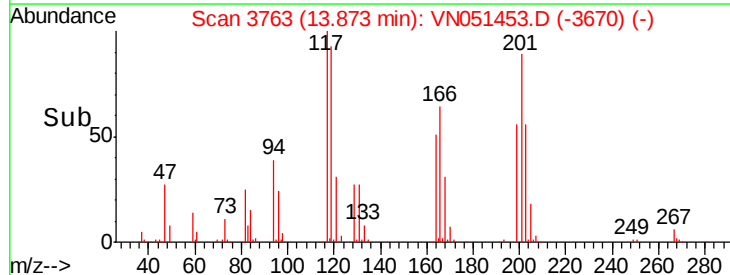
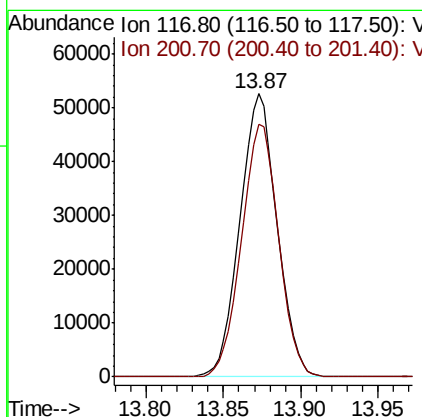
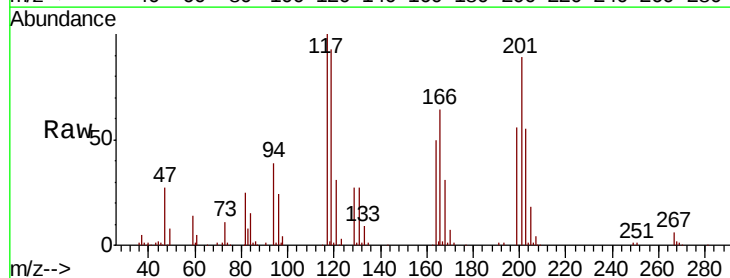
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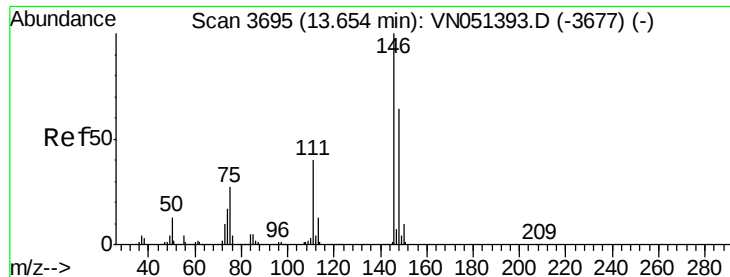
MMDadoda
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#90
Hexachloroethane
Concen: 19.741 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051453.D
Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	45.5	136.4





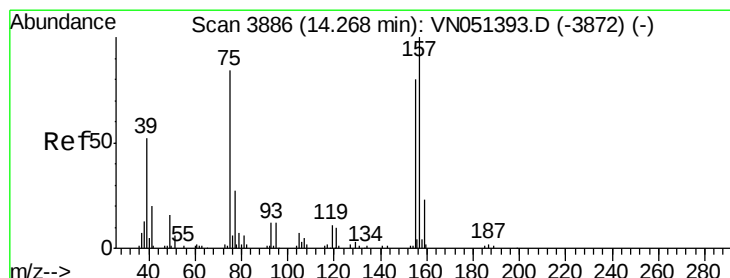
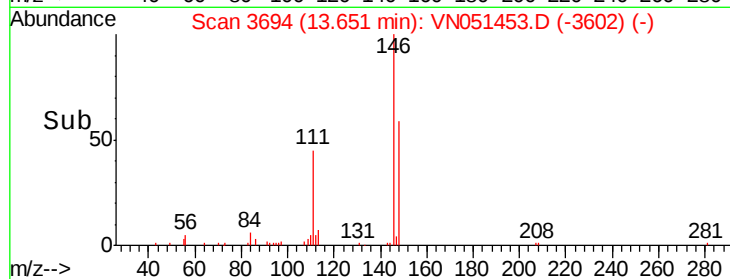
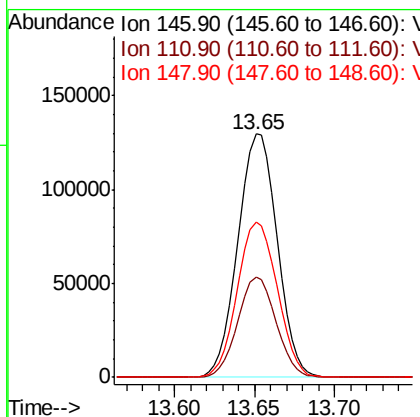
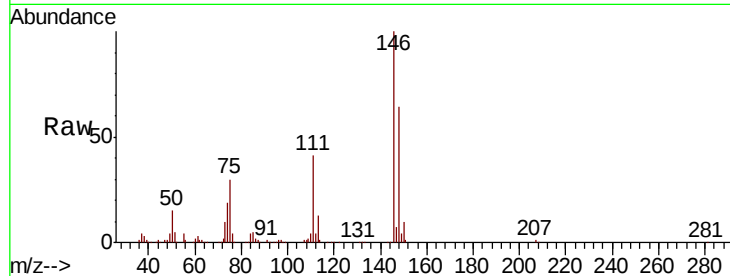
#91
 1,2-Dichlorobenzene
 Concen: 19.514 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	64.9	32.1	96.5

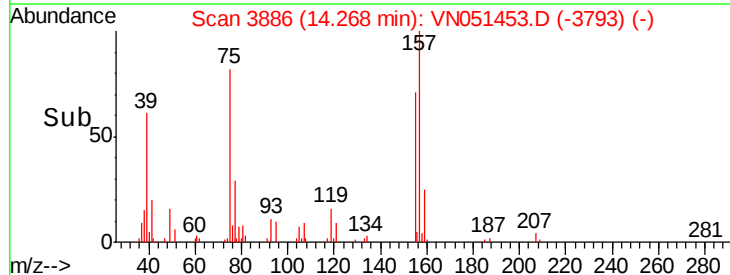
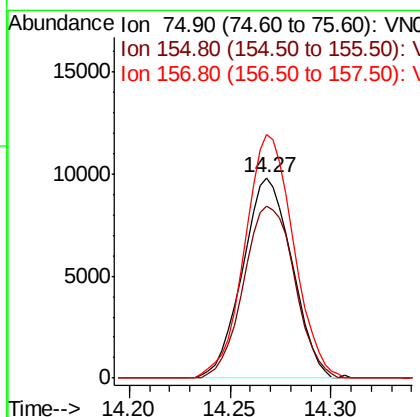
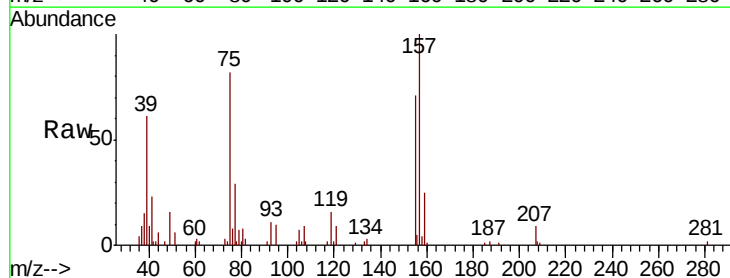
Manual Integrations
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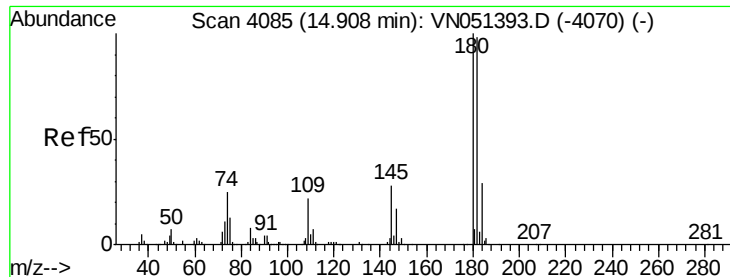
MMDadoda
 9/25/2018 11:31:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.280 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	46.9	140.6
157	120.0	58.4	175.1





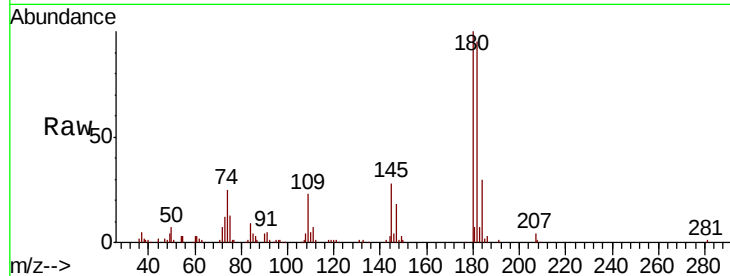
#93
 1,2,4-Trichlorobenzene
 Concen: 19.736 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0924WBSD01

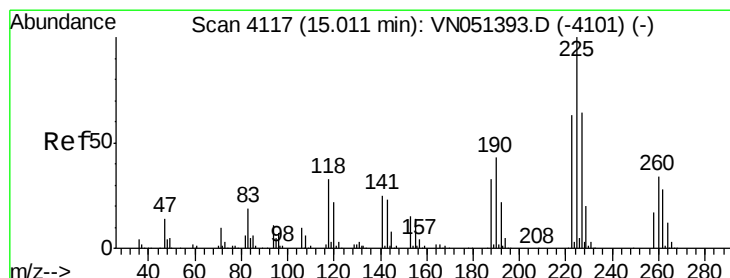
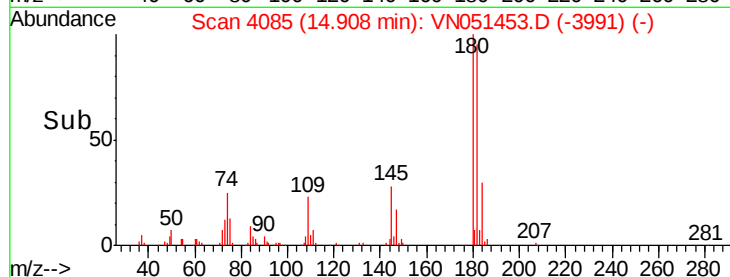
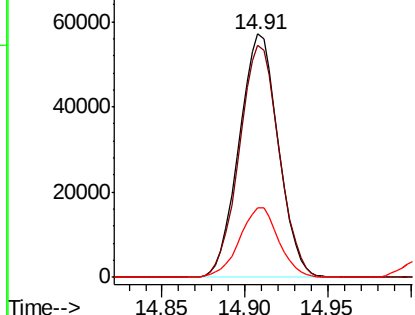
Tot Ion	Ratio	Resp	Lower	Upper
180	100	93853		
182	96.4	48.5	145.6	
145	28.5	14.1	42.4	

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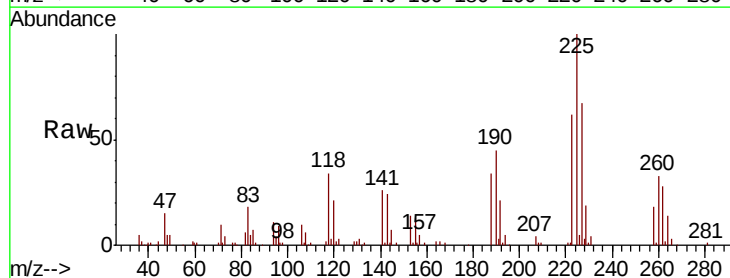


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

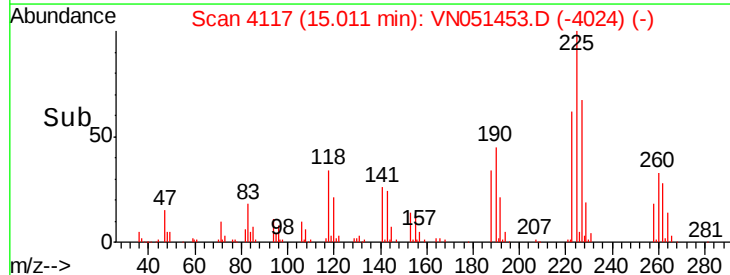
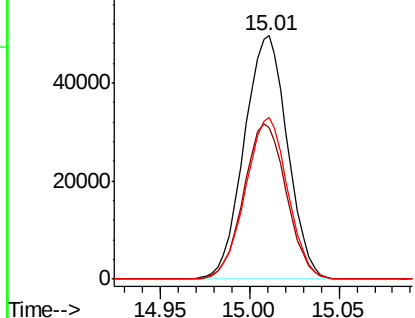


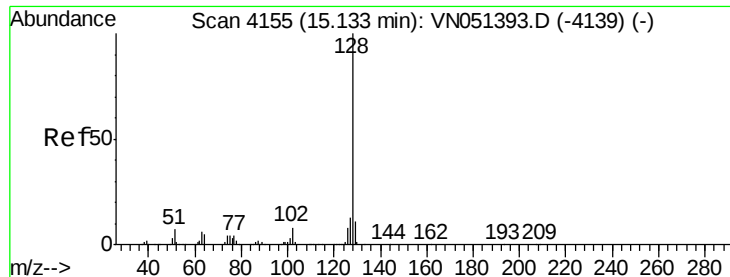
#94
 Hexachlorobutadiene
 Concen: 19.971 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051453.D
 Acq: 24 Sep 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	84199		
223	63.0	31.9	95.9	
227	64.9	32.5	97.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.918 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Instrument :

MSVOA_N

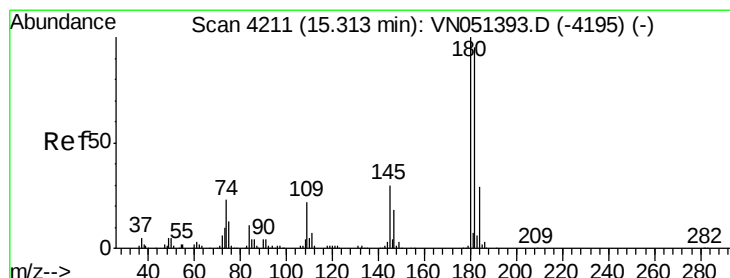
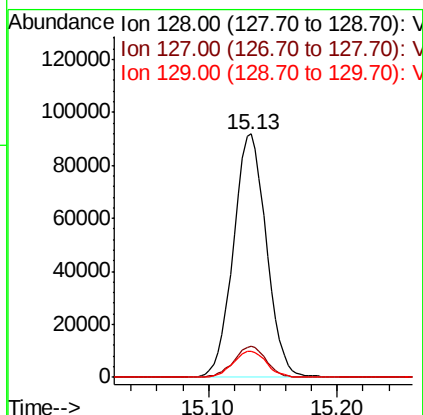
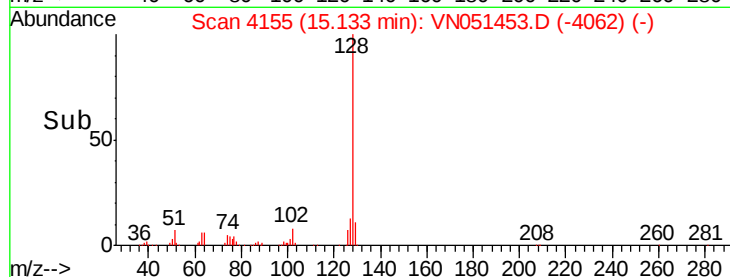
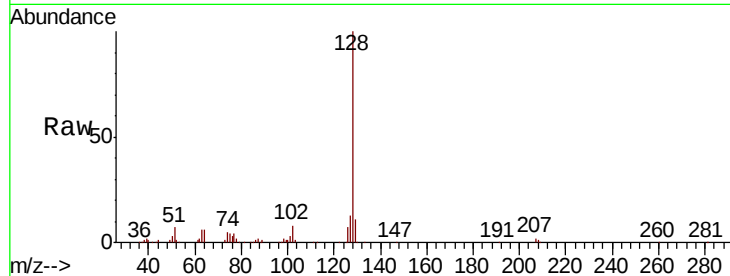
ClientSampleId :

VN0924WBSD01

Tot Ion:	128	Resp:	163471
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.5	15.7
129	10.7	8.6	12.8

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#96

1,2,3-Trichlorobenzene

Concen: 18.264 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051453.D

Acq: 24 Sep 2018 11:52

Tgt Ion:	180	Resp:	97668
Ion Ratio	Lower	Upper	
180	100		
182	98.6	47.2	141.6
145	30.5	14.6	43.8

