

Data File : VN051399.D
Acq On : 22 Sep 2018 15:56
Operator : MD\SY
Sample : VSTDICV050
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Manual Integrations
APPROVED

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

Quant Time: Sep 24 06:54:31 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	549994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	780853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	699809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	372577	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327937	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
35) Dibromofluoromethane	7.59	113	295049	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	10.09	98	1093992	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
62) 4-Bromofluorobenzene	12.40	95	356351	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	247760	48.285	ug/l	99
3) Chloromethane	2.06	50	403879	49.445	ug/l	100
4) Vinyl Chloride	2.18	62	444212	49.273	ug/l	100
5) Bromomethane	2.56	94	278958	51.631	ug/l	99
6) Chloroethane	2.70	64	278519	49.580	ug/l	99
7) Trichlorofluoromethane	3.02	101	608185	51.503	ug/l	100
8) Diethyl Ether	3.41	74	221212	60.372	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	298695	44.819	ug/l	96
10) Methyl Iodide	3.95	142	417379	47.160	ug/l	100
11) Tert butyl alcohol	4.79	59	95741	246.225	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	279531	45.680	ug/l	98
13) Acrolein	3.61	56	91516	237.017	ug/l	99
14) Allyl chloride	4.33	41	497271	48.435	ug/l	98
15) Acrylonitrile	4.99	53	513043	242.550	ug/l	98
16) Acetone	3.82	43	358156	232.214	ug/l	97
17) Carbon Disulfide	4.05	76	837019	46.558	ug/l	99
18) Methyl Acetate	4.33	43	251447	47.921	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	792943	50.250	ug/l	98
20) Methylene Chloride	4.55	84	320801	47.055	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	304018	48.566	ug/l	99
22) Diisopropyl ether	5.95	45	1027198	51.759	ug/l	98
23) Vinyl Acetate	5.90	43	3362783	258.098	ug/l	100
24) 1,1-Dichloroethane	5.85	63	595591	50.299	ug/l	98
25) 2-Butanone	6.84	43	565372	239.751	ug/l	100
26) 2,2-Dichloropropane	6.83	77	450609	48.751	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	339800	49.471	ug/l	97
28) Bromochloromethane	7.20	49	264641	48.397	ug/l	97
29) Tetrahydrofuran	7.21	42	390135	261.066	ug/l	99
30) Chloroform	7.37	83	591606	50.423	ug/l	100
31) Cyclohexane	7.66	56	534956	49.311	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	511369	50.981	ug/l	99
36) 1,1-Dichloropropene	7.80	75	448417	49.590	ug/l	99
37) Ethyl Acetate	6.93	43	264135	50.804	ug/l	99
38) Carbon Tetrachloride	7.78	117	458289	48.455	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	524070	49.578	ug/l	99
40) Benzene	8.04	78	1328152	50.024	ug/l	99
41) Methacrylonitrile	7.19	41	150658m	52.378	ug/l	
42) 1,2-Dichloroethane	8.13	62	426286	50.142	ug/l	99
43) Isopropyl Acetate	8.17	43	474790	50.503	ug/l #	88
44) Trichloroethene	8.84	130	348088	49.360	ug/l	97
45) 1,2-Dichloropropane	9.12	63	360092	49.893	ug/l	99
46) Dibromomethane	9.21	93	204564	50.164	ug/l	99
47) Bromodichloromethane	9.40	83	450636	49.936	ug/l	100
48) Methyl methacrylate	9.20	41	239969	51.197	ug/l	97
49) 1,4-Dioxane	9.20	88	58290	1014.730	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1289190	249.342	ug/l	100
52) Toluene	10.16	92	811292	49.169	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	451968	49.608	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	525777	49.763	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	291278	49.950	ug/l	99
56) Ethyl methacrylate	10.43	69	368712	51.715	ug/l	99
57) 1,3-Dichloropropane	10.71	76	494844	49.509	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	940239	244.200	ug/l	99
59) 2-Hexanone	10.75	43	823933	245.821	ug/l	100
60) Dibromochloromethane	10.90	129	339924	49.405	ug/l	99
61) 1,2-Dibromoethane	11.01	107	281360	49.702	ug/l	98
64) Tetrachloroethene	10.63	164	309564	48.742	ug/l	98
65) Chlorobenzene	11.43	112	878939	48.953	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	338882	49.540	ug/l	99
67) Ethyl Benzene	11.51	91	1521786	50.292	ug/l	99
68) m/p-Xylenes	11.62	106	1172858	100.208	ug/l	100
69) o-Xylene	11.95	106	561289	49.884	ug/l	97
70) Styrene	11.96	104	906786	50.859	ug/l	99
71) Bromoform	12.13	173	226453	48.787	ug/l #	99
73) Isopropylbenzene	12.25	105	1521983	48.416	ug/l	99
74) N-amyl acetate	12.07	43	388366	49.239	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	344709	47.024	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	307699m	49.749	ug/l	
77) Bromobenzene	12.53	156	375265	47.156	ug/l	99
78) n-propylbenzene	12.59	91	1714898	48.404	ug/l	99
79) 2-Chlorotoluene	12.67	91	1012313	47.734	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1252477	48.862	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	94769	47.115	ug/l	98
82) 4-Chlorotoluene	12.77	91	1002661	47.370	ug/l	99
83) tert-Butylbenzene	12.99	119	1133201	49.668	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1317350	51.001	ug/l	99
85) sec-Butylbenzene	13.17	105	1566463	50.751	ug/l	99
86) p-Isopropyltoluene	13.29	119	1360595	50.944	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	674157	48.954	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	652117	49.214	ug/l	99
89) n-Butylbenzene	13.62	91	1111935	50.630	ug/l	99
90) Hexachloroethane	13.87	117	257770	48.440	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	655906	49.088	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51663	49.384	ug/l	97

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

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QLast Update : Mon Sep 24 06:41:32 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	324457	45.634	ug/l	100
94) Hexachlorobutadiene	15.01	225	240111	47.495	ug/l	98
95) Naphthalene	15.13	128	602203	44.522	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	317224	49.471	ug/l	99

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

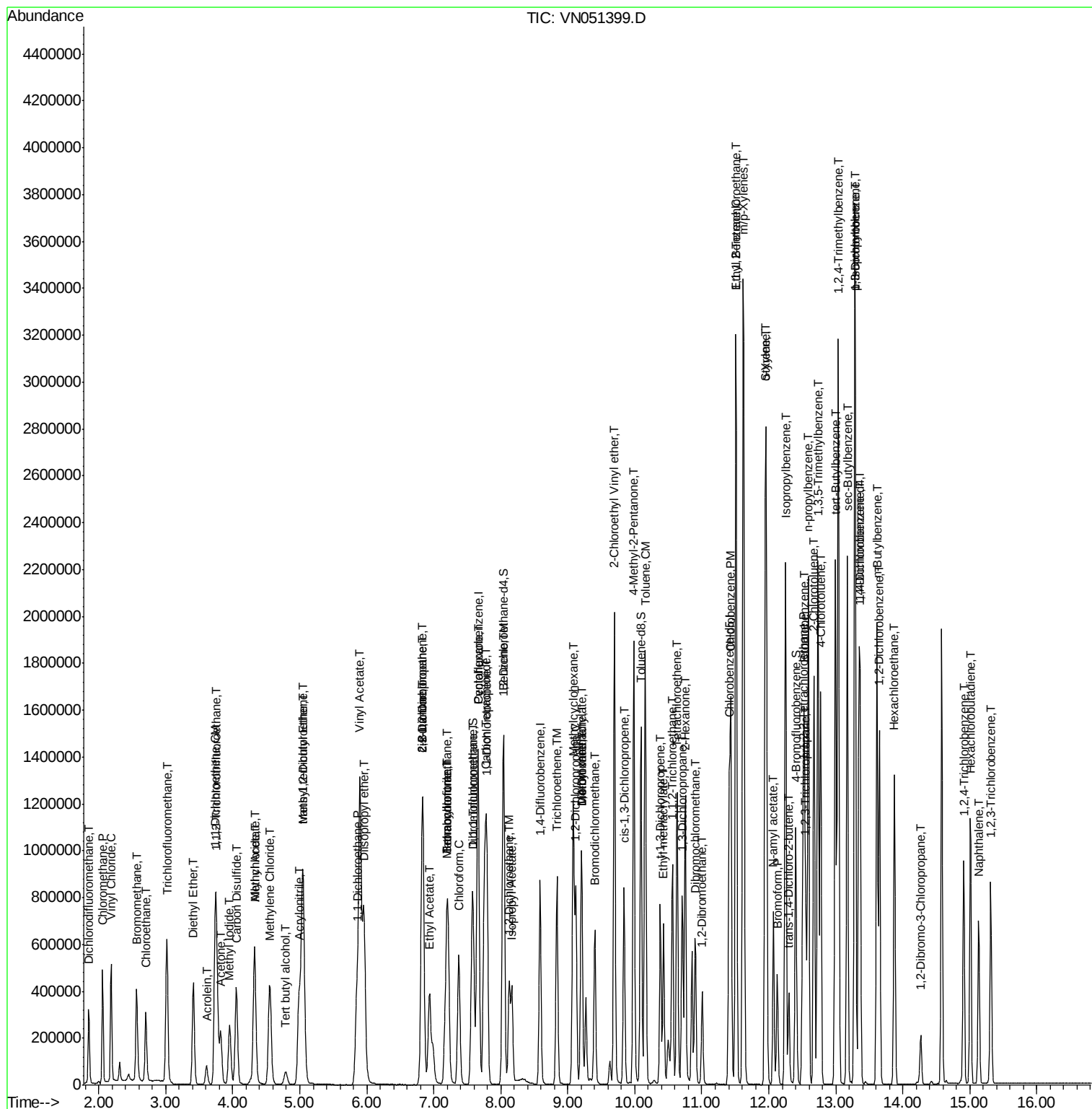
Data File : VN051399.D
Acq On : 22 Sep 2018 15:56
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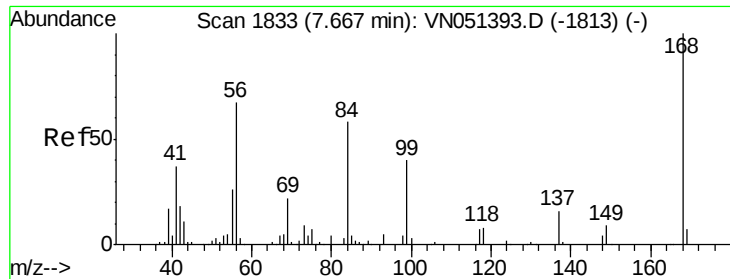
Instrument :
MSVOA_N
Client Sampled :
ICVVN092318

Manual Integrations
APPROVED

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092318

Tgt Ion:168 Resp: 549994

Ion Ratio Lower Upper

168 100

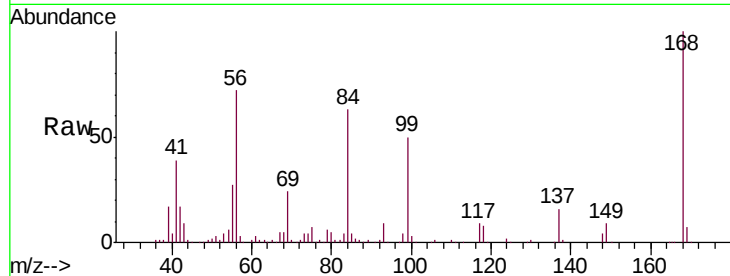
99 50.1 40.2 60.2

Manual Integrations

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9/24/2018 2:15:24 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

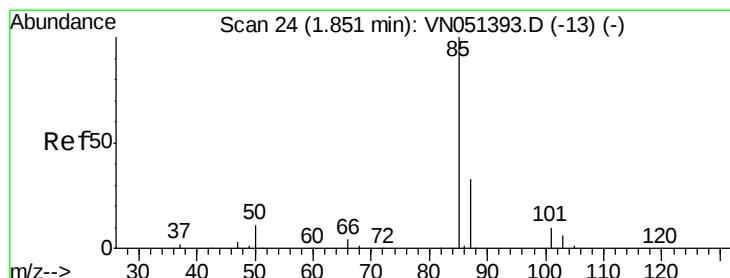
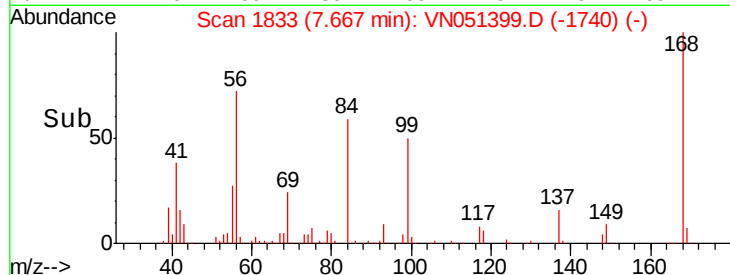
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.285 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051399.D

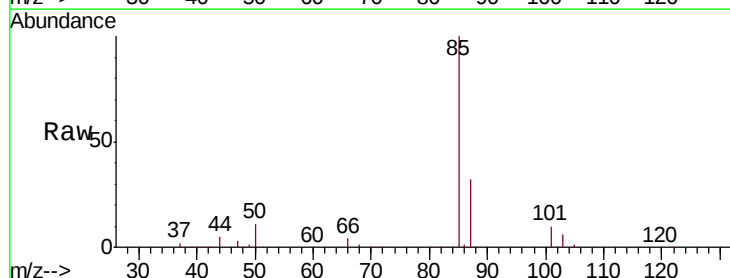
Acq: 22 Sep 2018 15:56

Tgt Ion: 85 Resp: 247760

Ion Ratio Lower Upper

85 100

87 32.3 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

200000

150000

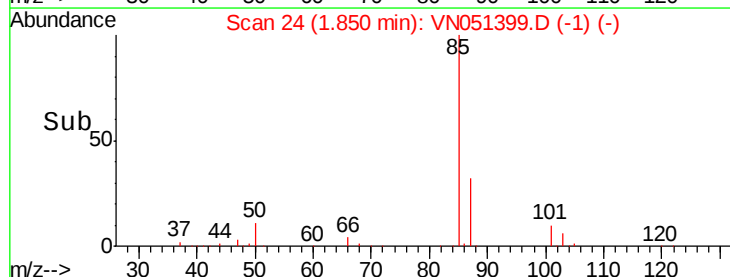
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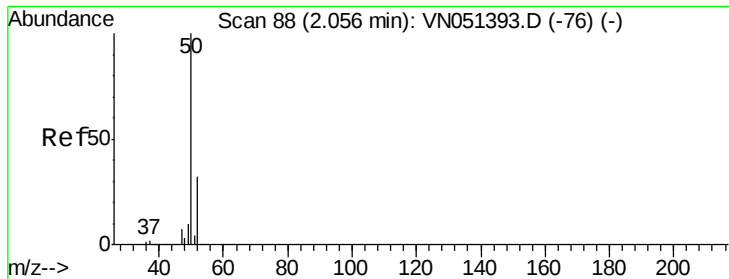
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.445 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092318

Tgt Ion: 50 Resp: 403879

Ion Ratio Lower Upper

50 100

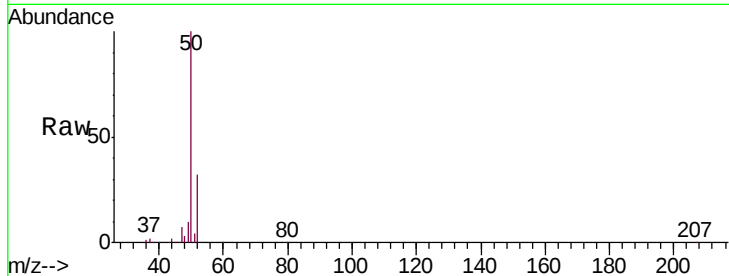
52 32.1 25.7 38.5

Manual Integrations

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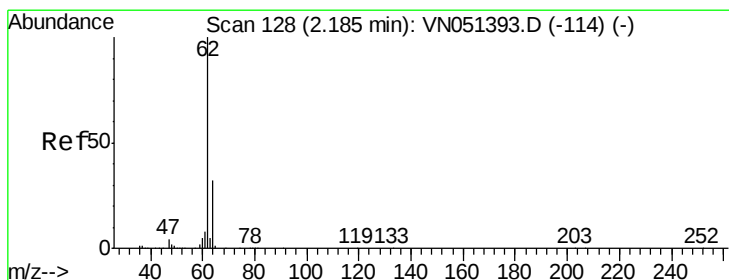
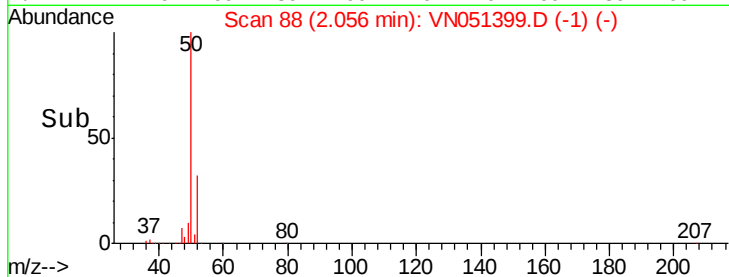
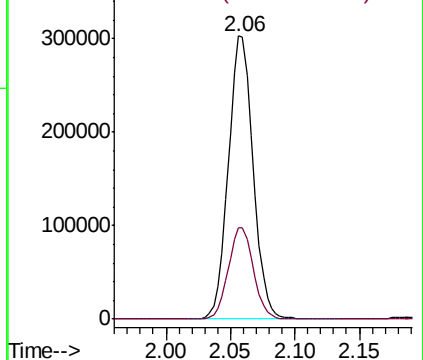
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 49.273 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051399.D

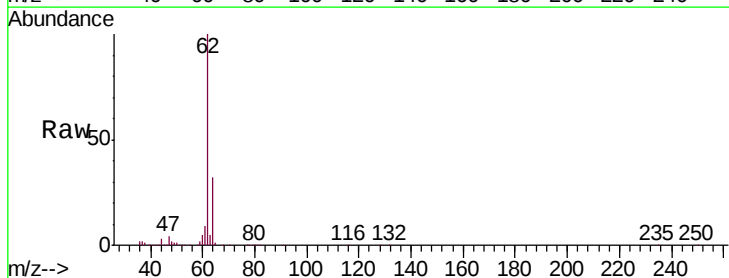
Acq: 22 Sep 2018 15:56

Tgt Ion: 62 Resp: 444212

Ion Ratio Lower Upper

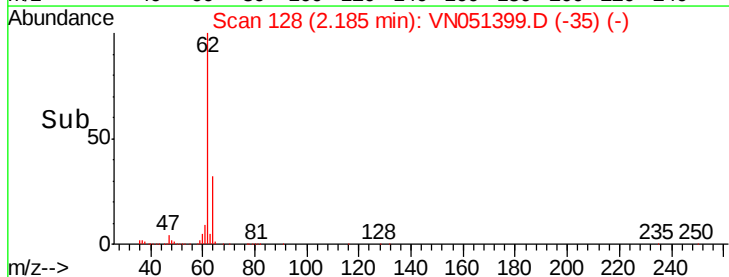
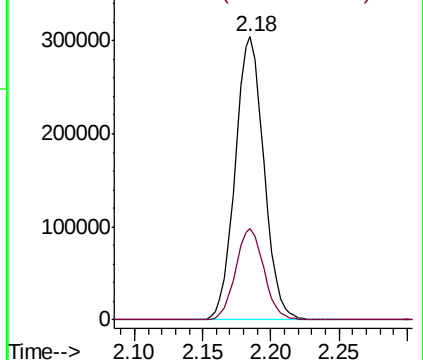
62 100

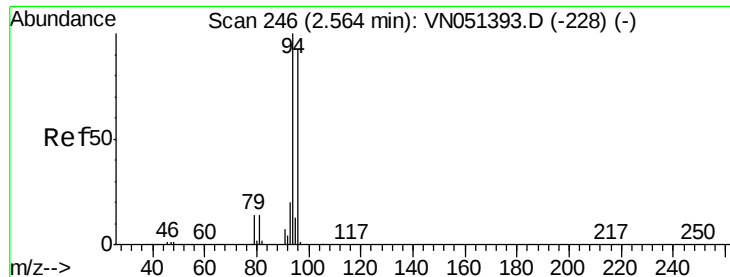
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 51.631 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

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ClientSampleId :

ICVVN092318

Tgt Ion: 94 Resp: 278958

Ion Ratio Lower Upper

94 100

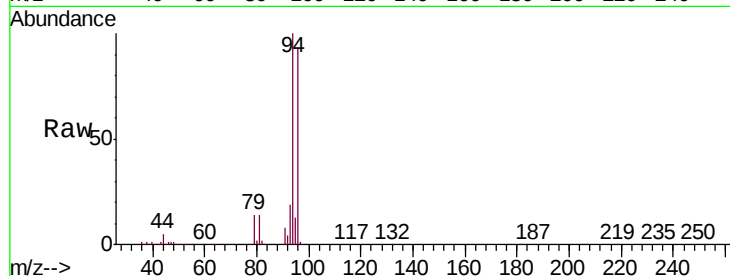
96 92.8 73.6 110.4

Manual Integrations

APPROVED

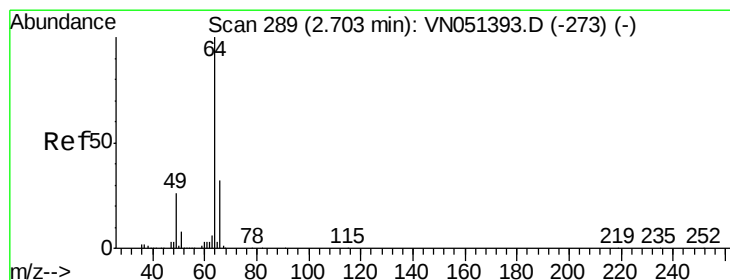
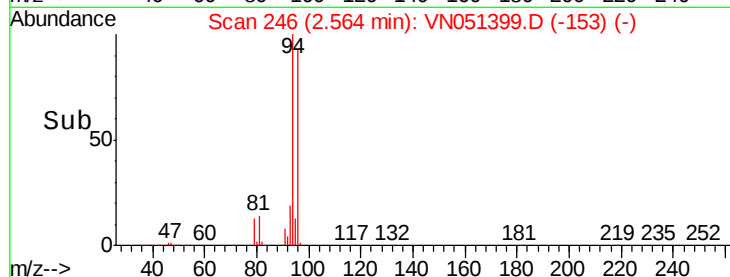
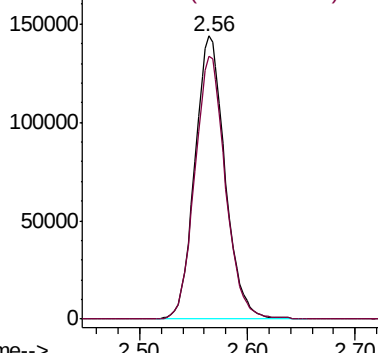
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.580 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051399.D

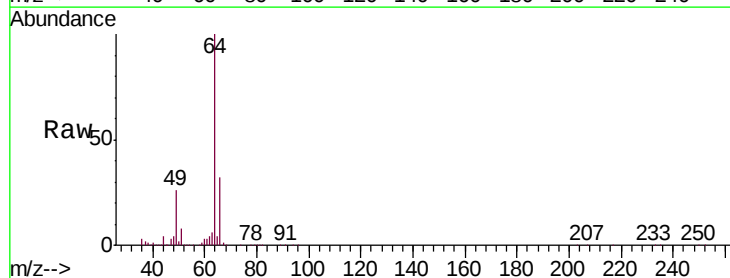
Acq: 22 Sep 2018 15:56

Tgt Ion: 64 Resp: 278519

Ion Ratio Lower Upper

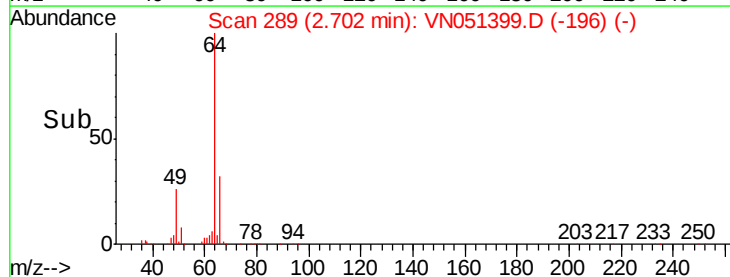
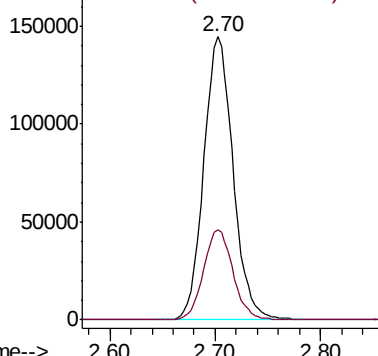
64 100

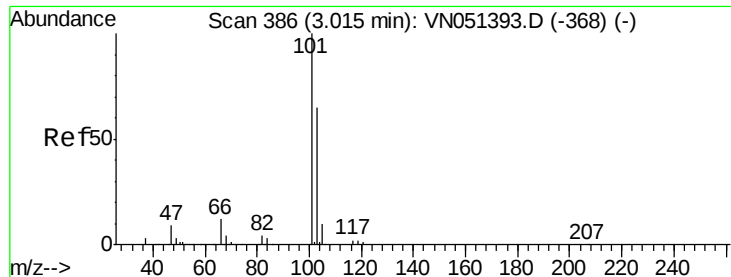
66 32.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

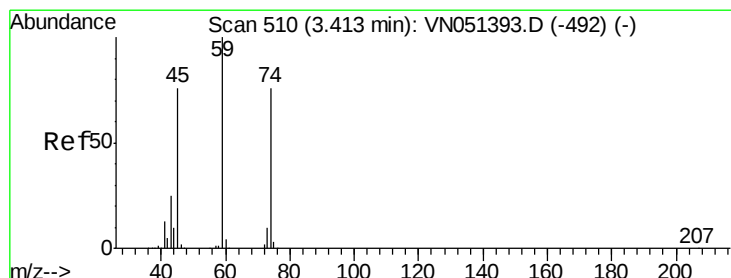
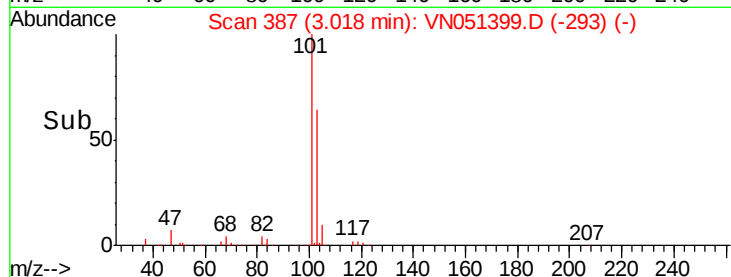
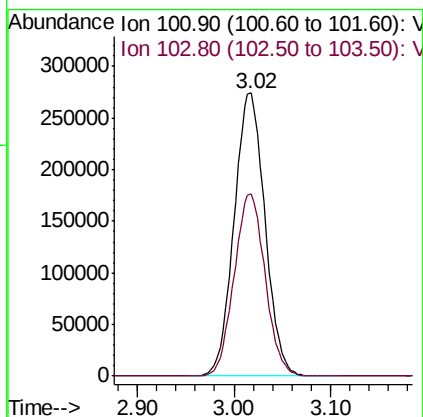
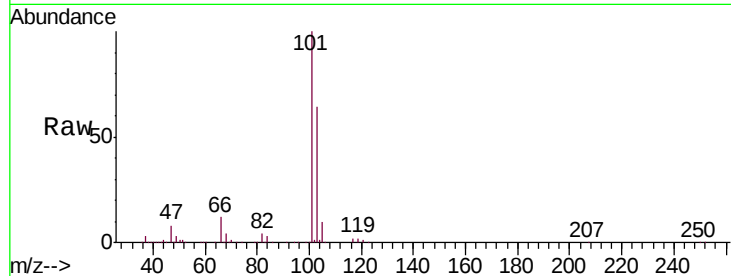
Trichlorofluoromethane
Concen: 51.503 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
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ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.8	77.8

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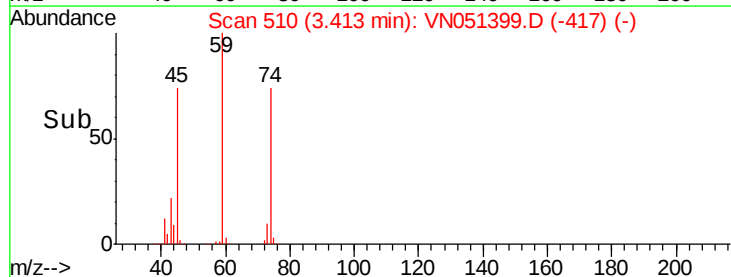
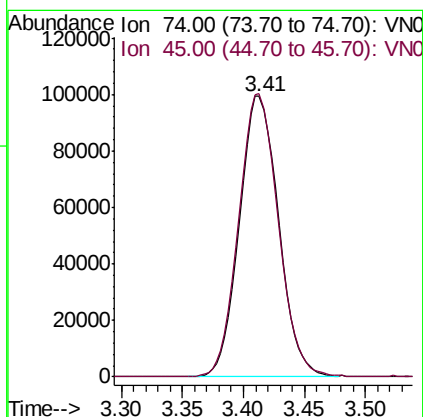
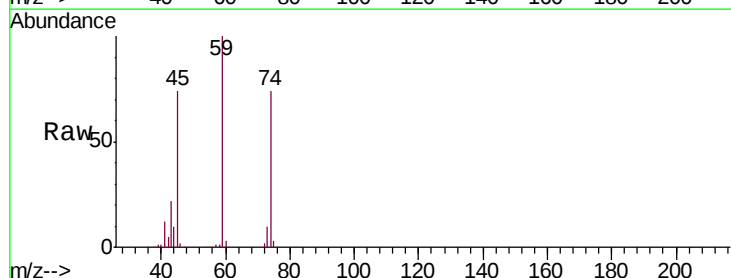
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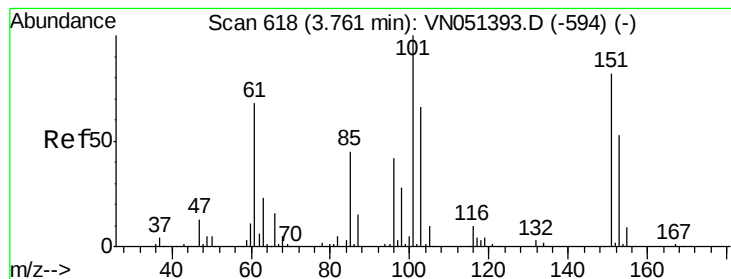


#8

Diethyl Ether
Concen: 60.372 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.8	50.2	150.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.819 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

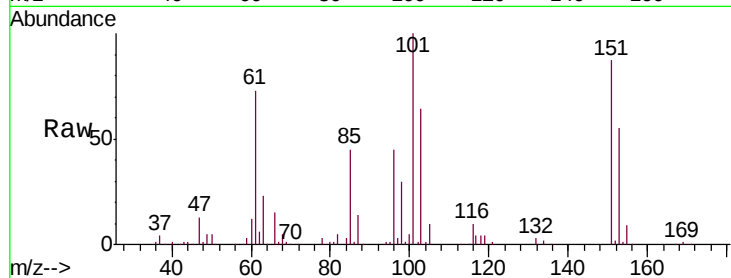
ClientSampleId :

ICVVN092318

Tgt Ion:	101	Resp:	298695
Ion Ratio	Lower	Upper	
101	100		
85	43.8	33.9	50.9
151	85.7	65.2	97.8

Manual Integrations
APPROVED

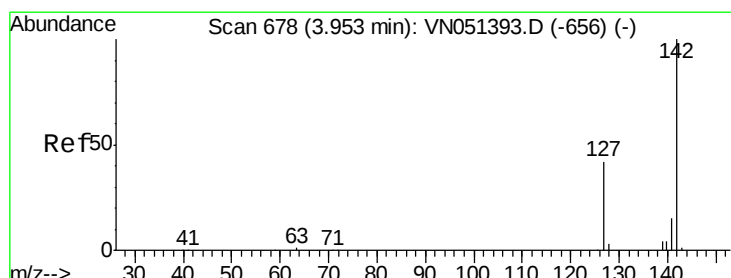
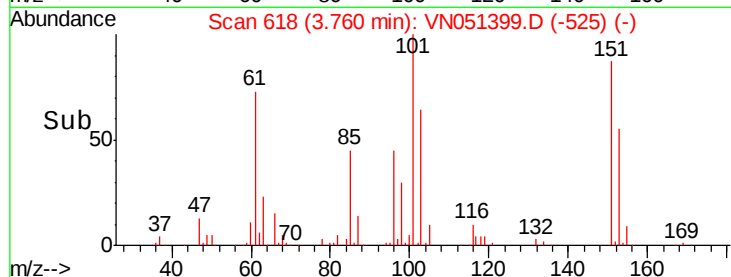
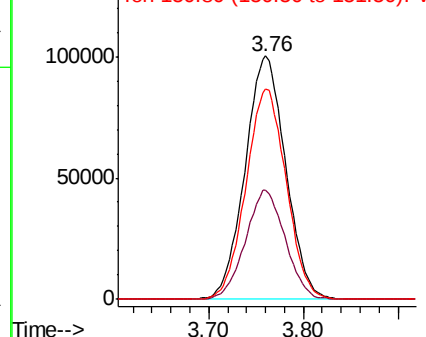
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.160 ug/l

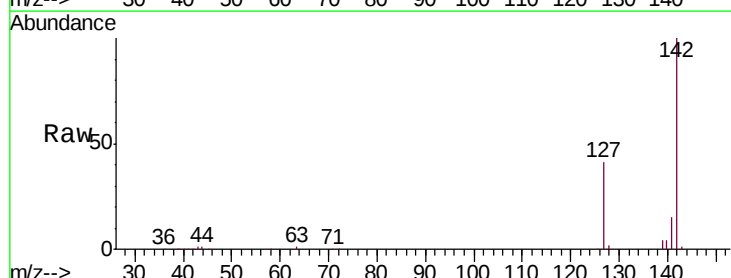
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

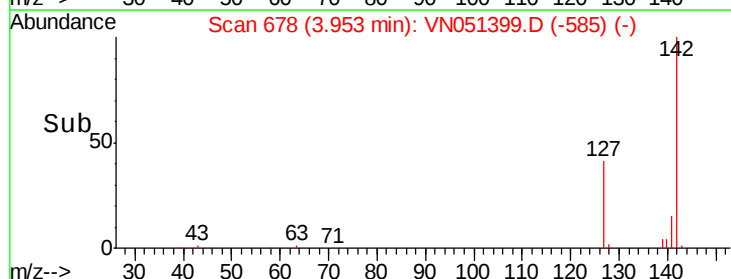
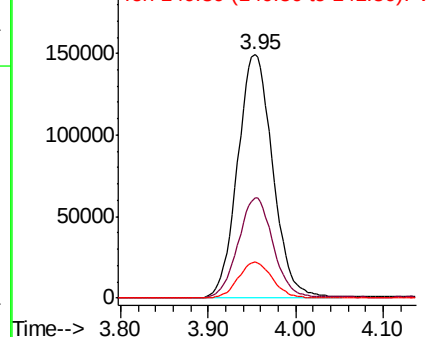
Tgt Ion:	142	Resp:	417379
Ion Ratio	Lower	Upper	
142	100		
127	41.7	33.2	49.8
141	14.5	11.5	17.3

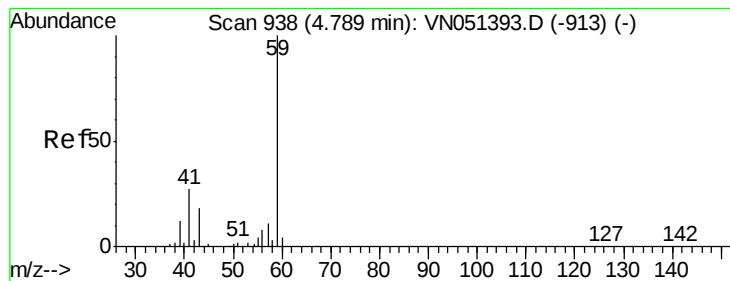


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

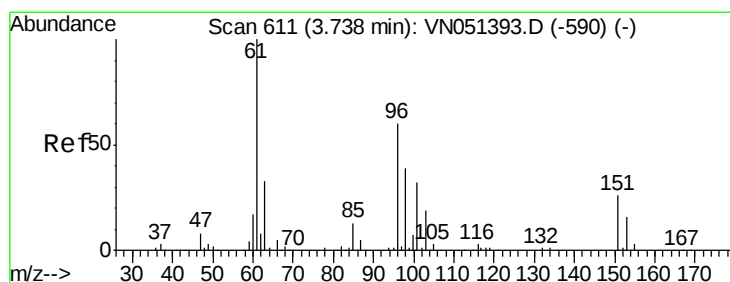
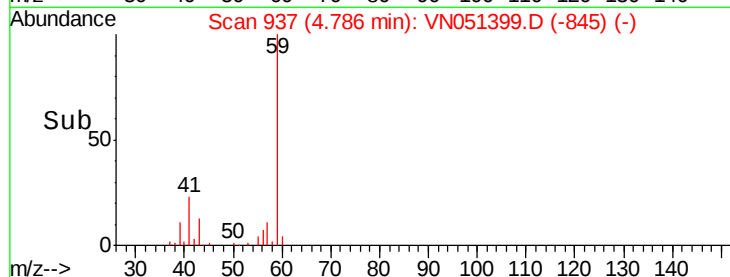
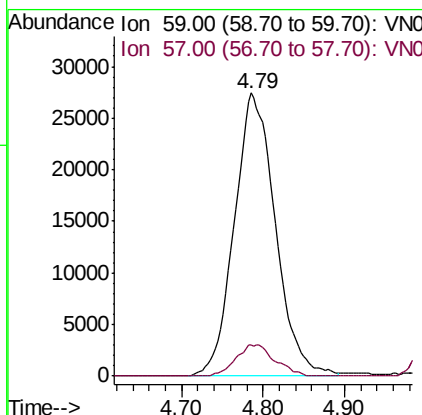
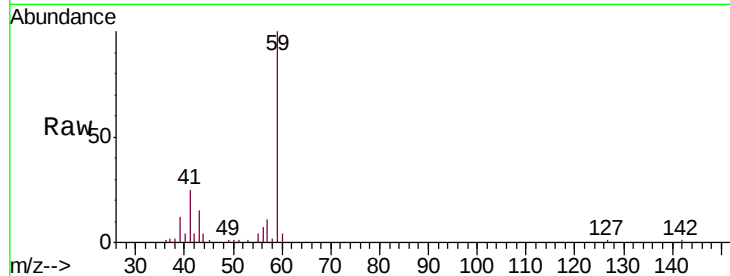
Tert butyl alcohol
Concen: 246.225 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion: 59 Resp: 95741
Ion Ratio Lower Upper
59 100
57 10.5 6.2 9.2#

Manual Integrations
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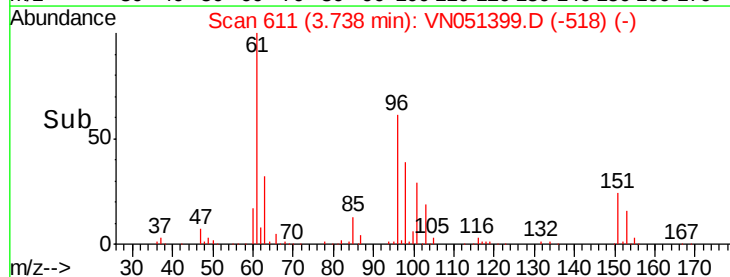
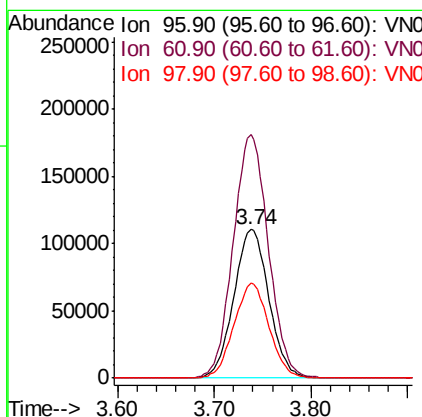
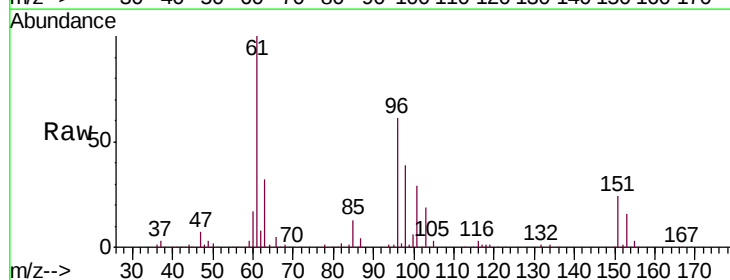
MMDadoda
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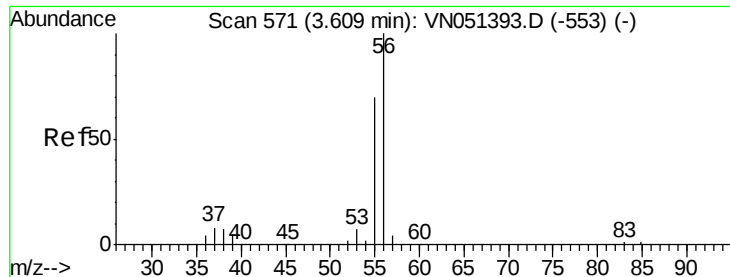


#12

1,1-Dichloroethene
Concen: 45.680 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion: 96 Resp: 279531
Ion Ratio Lower Upper
96 100
61 164.0 133.6 200.4
98 64.2 52.2 78.2





#13

Acrolein

Concen: 237.017 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092318

Tgt Ion: 56 Resp: 91516

Ion Ratio Lower Upper

56 100

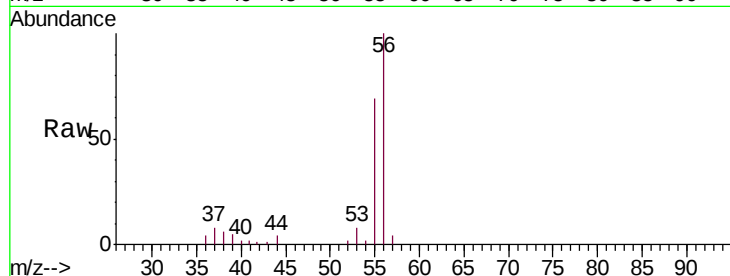
55 71.9 57.8 86.8

Manual Integrations

APPROVED

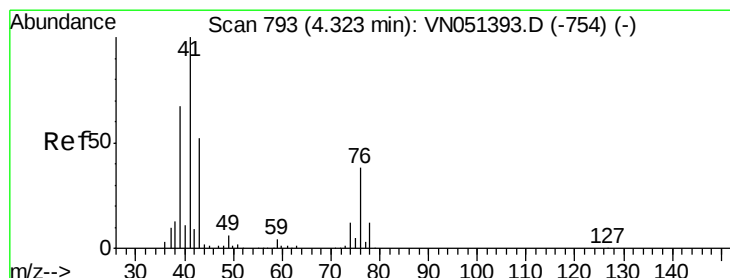
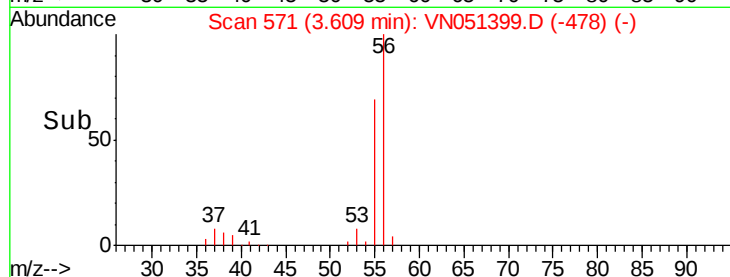
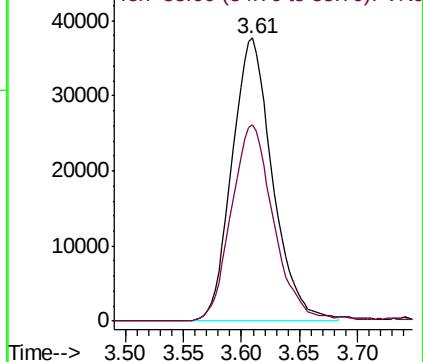
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.435 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

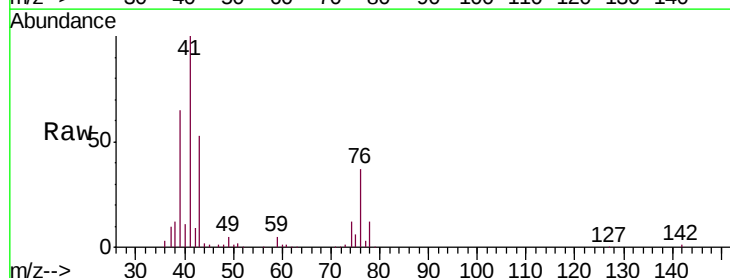
Tgt Ion: 41 Resp: 497271

Ion Ratio Lower Upper

41 100

39 62.4 51.4 77.2

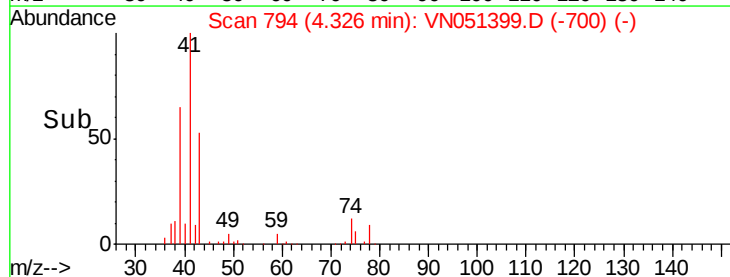
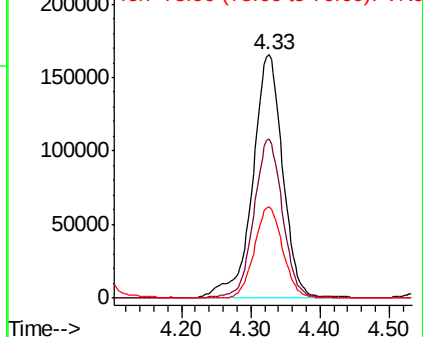
76 35.0 28.1 42.1

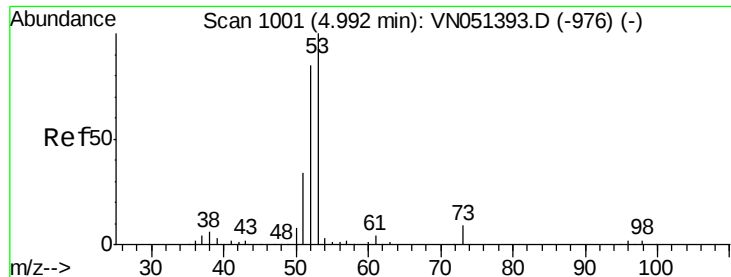


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 242.550 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

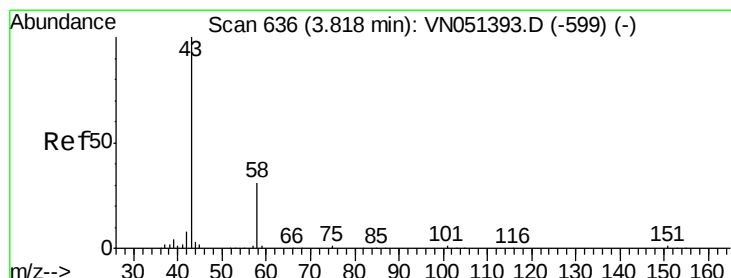
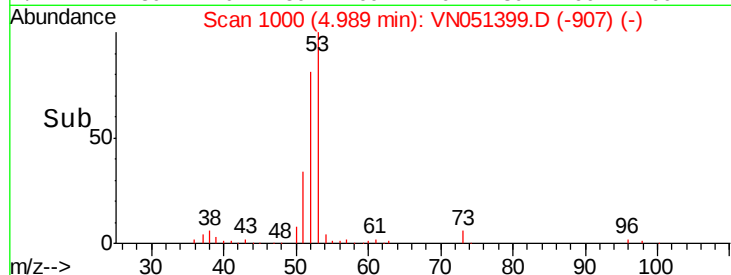
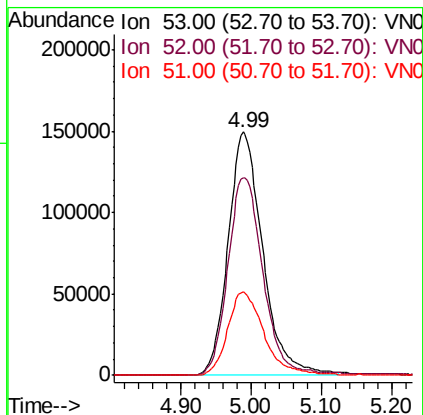
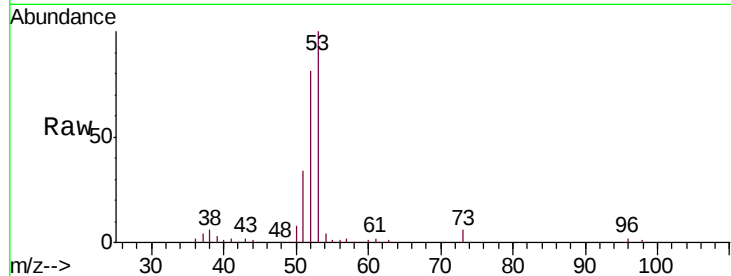
ClientSampleId :

ICVVN092318

Tgt Ion:	53	Resp:	513043
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	36.2	28.6	42.8

Manual Integrations
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#16

Acetone

Concen: 232.214 ug/l

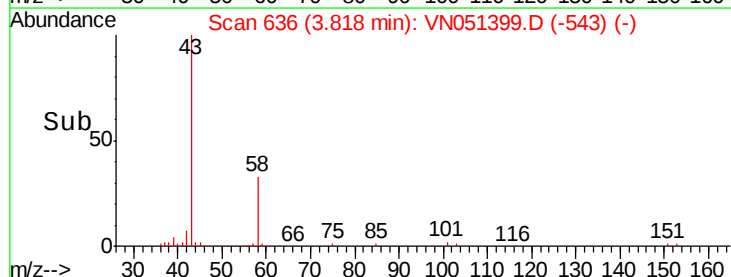
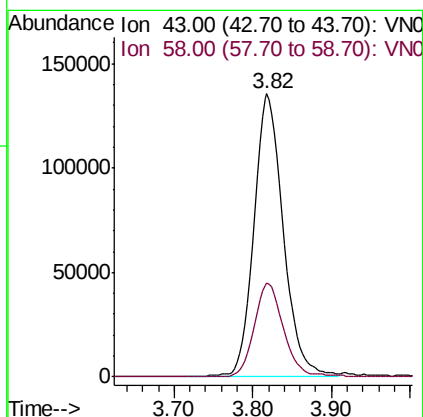
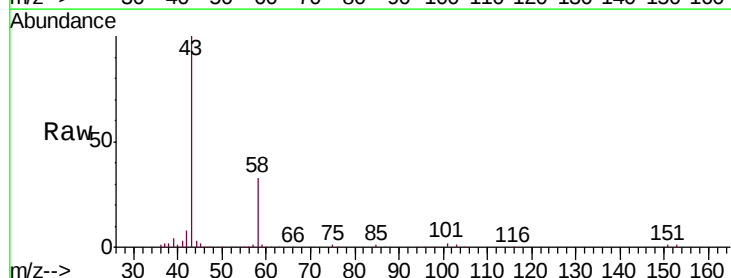
RT: 3.82 min Scan# 636

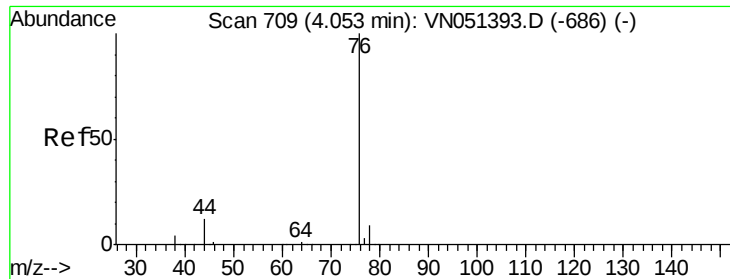
Delta R.T. 0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion:	43	Resp:	358156
Ion	Ratio	Lower	Upper
43	100		
58	33.1	25.0	37.4





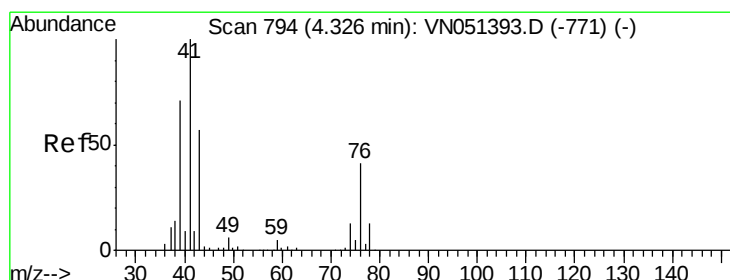
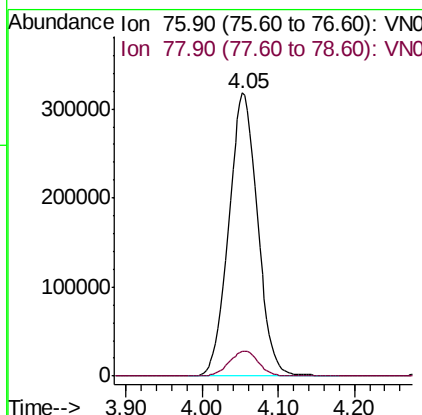
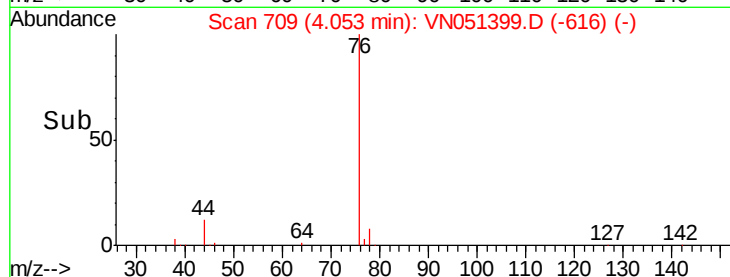
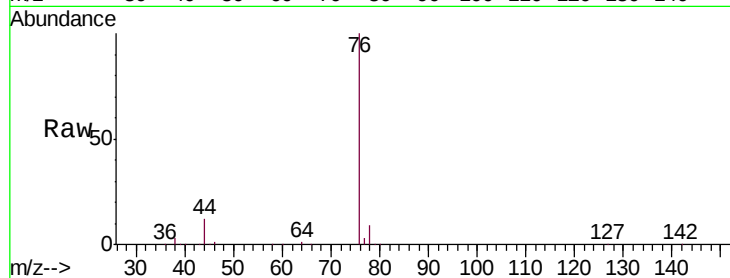
#17
Carbon Disulfide
Concen: 46.558 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

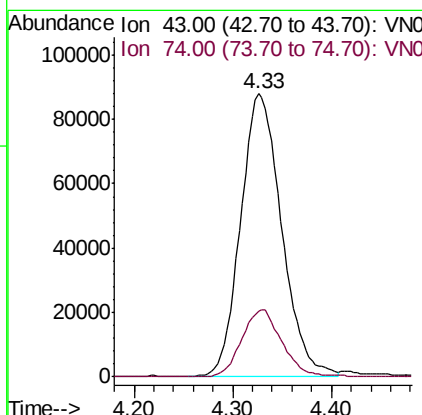
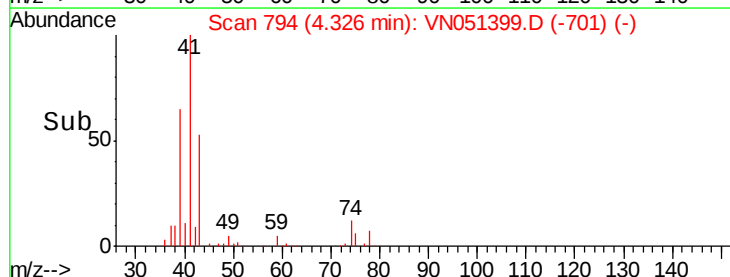
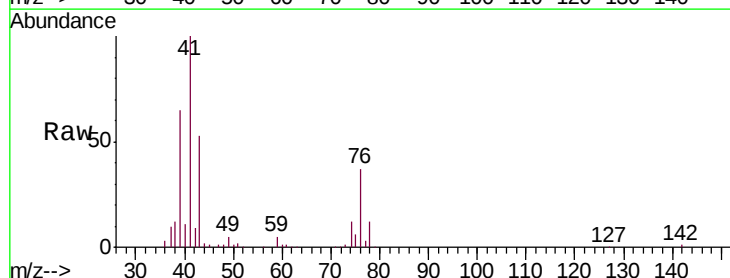
Manual Integrations
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#18
Methyl Acetate
Concen: 47.921 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.8	28.2





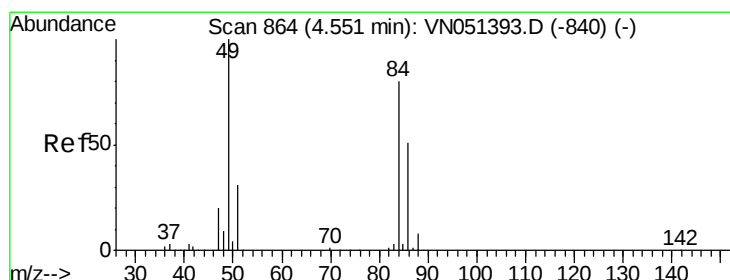
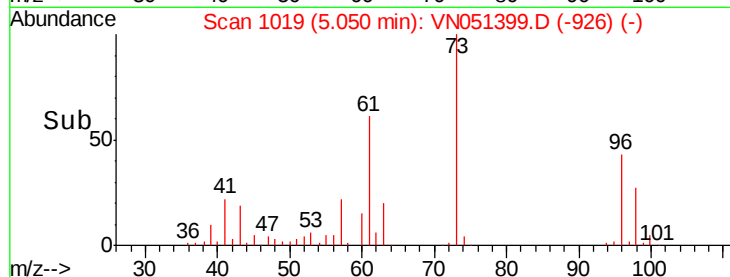
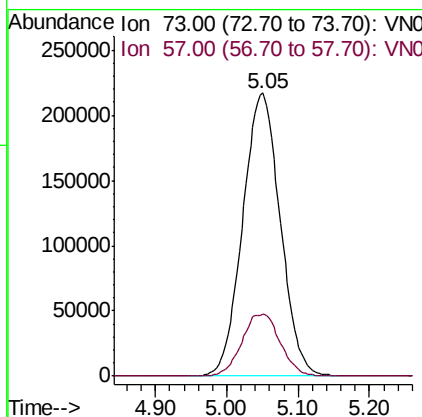
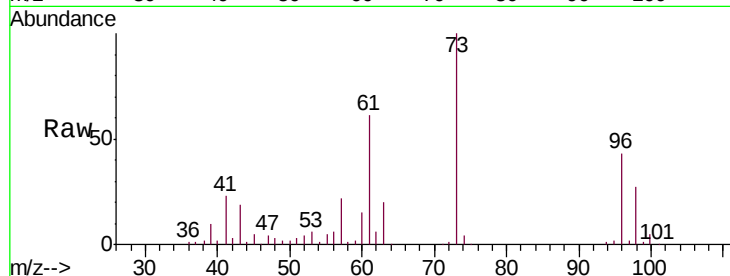
#19
Methyl tert-butyl Ether
Concen: 50.250 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion: 73 Resp: 792943
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5

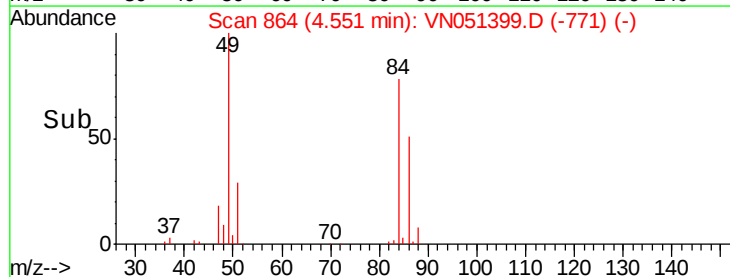
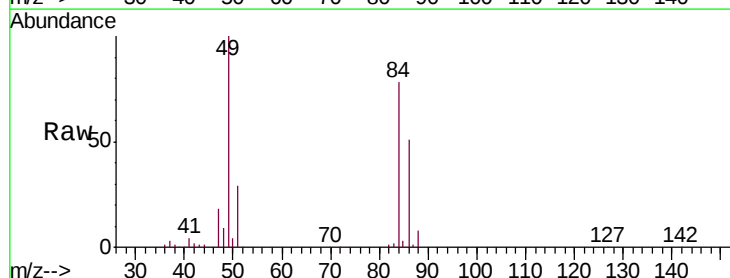
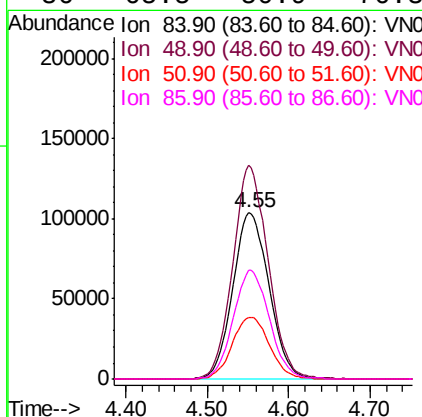
Manual Integrations
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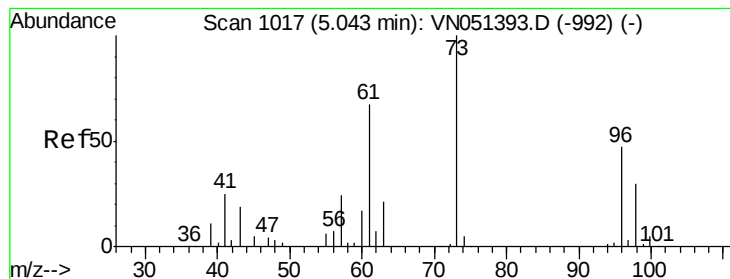
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#20
Methylene Chloride
Concen: 47.055 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion: 84 Resp: 320801
Ion Ratio Lower Upper
84 100
49 128.5 99.9 149.9
51 36.9 31.4 47.2
86 65.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 48.566 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092318

Tgt Ion: 96 Resp: 304018

Ion Ratio Lower Upper

96 100

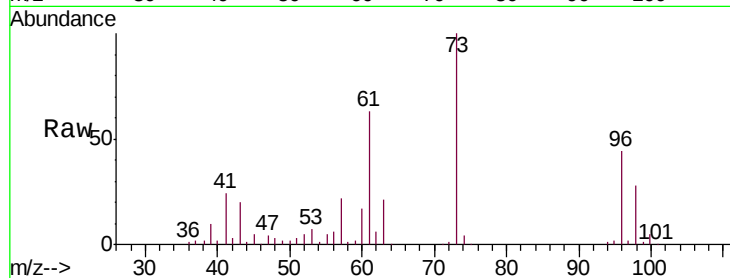
61 142.5 113.4 170.2

98 63.3 51.1 76.7

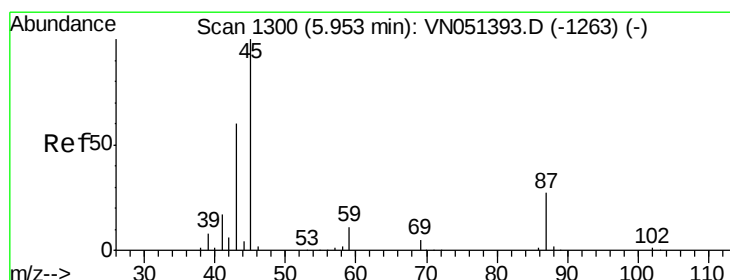
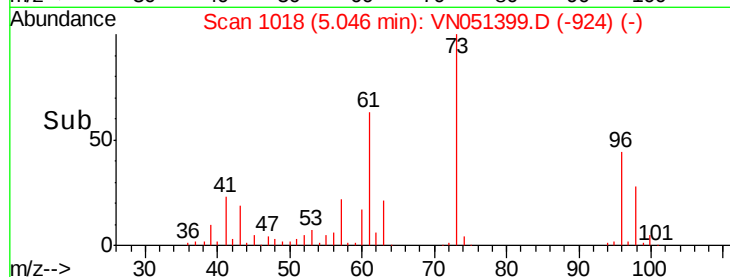
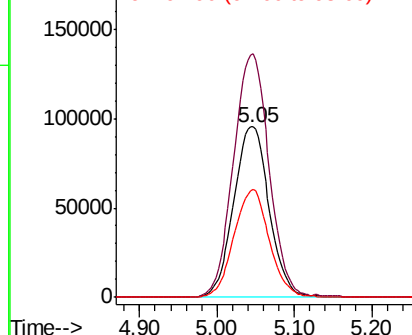
Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 51.759 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion: 45 Resp: 1027198

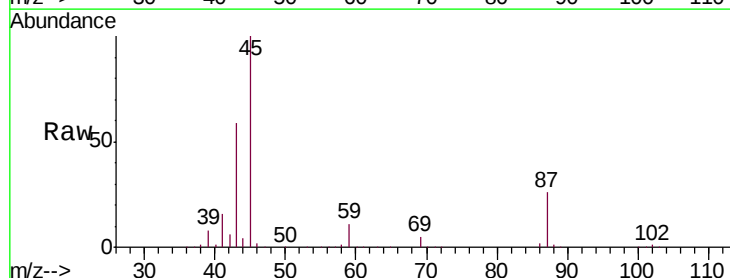
Ion Ratio Lower Upper

45 100

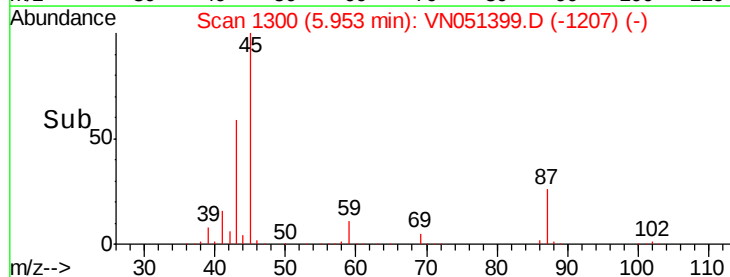
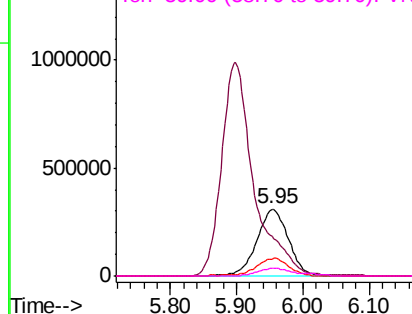
43 58.8 47.7 71.5

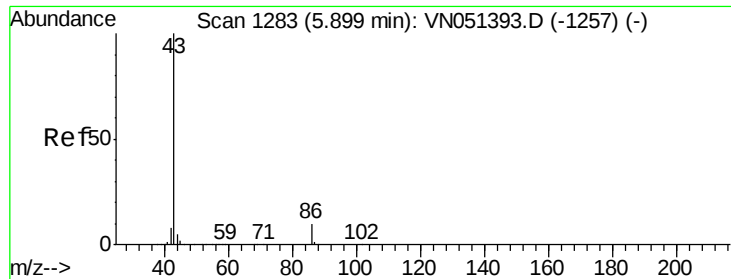
87 25.8 22.0 33.0

59 11.1 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





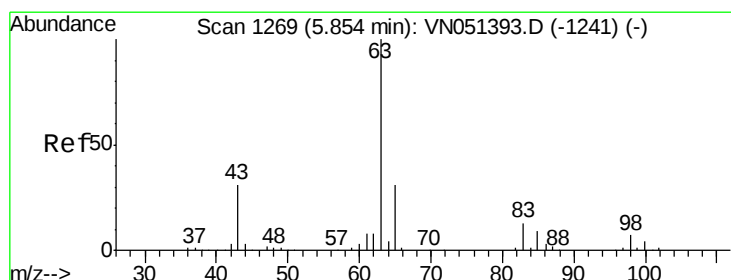
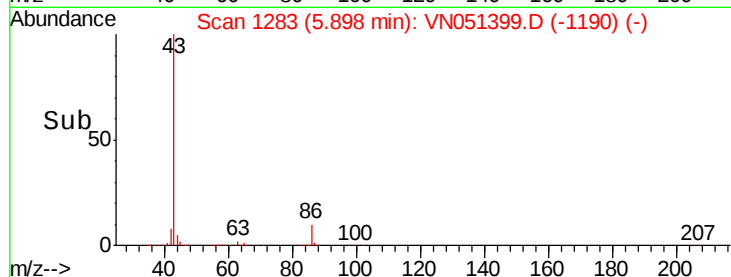
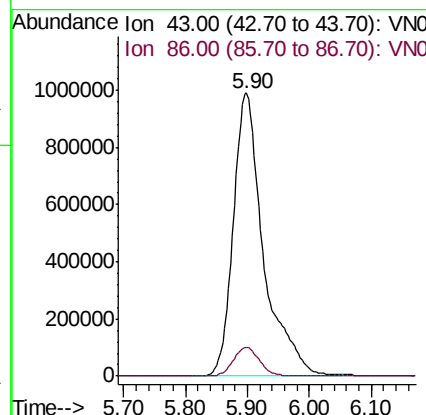
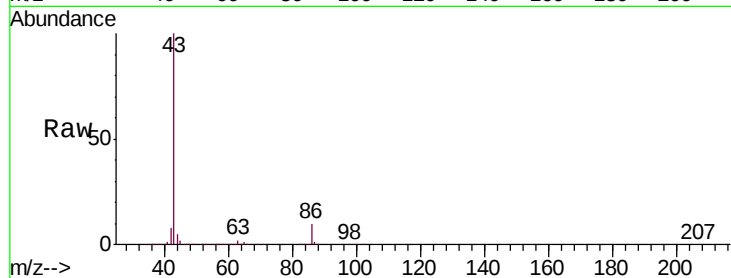
#23
 Vinyl Acetate
 Concen: 258.098 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092318

Tgt Ion: 43 Resp: 3362783
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.2

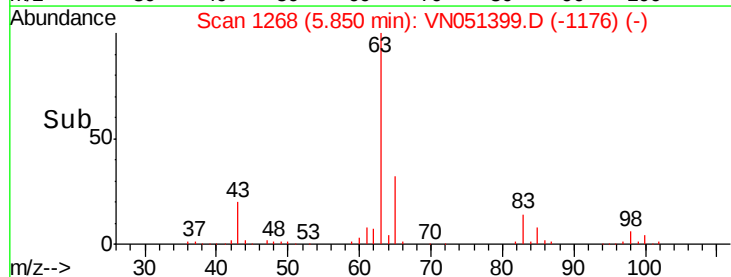
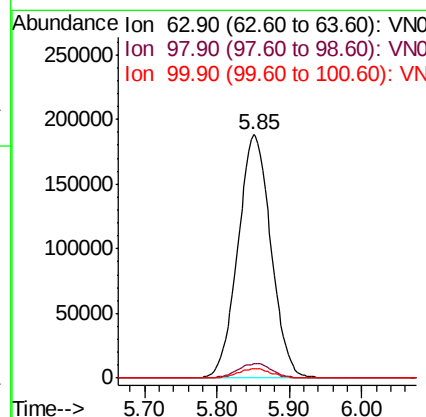
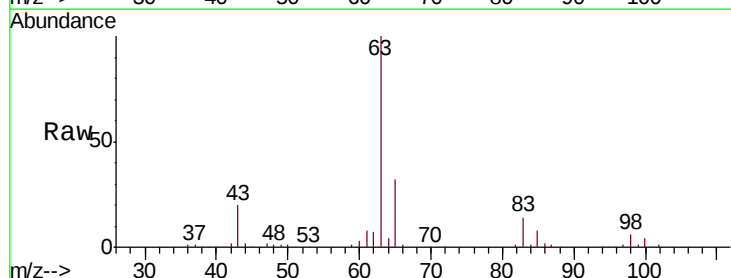
Manual Integrations
 APPROVED

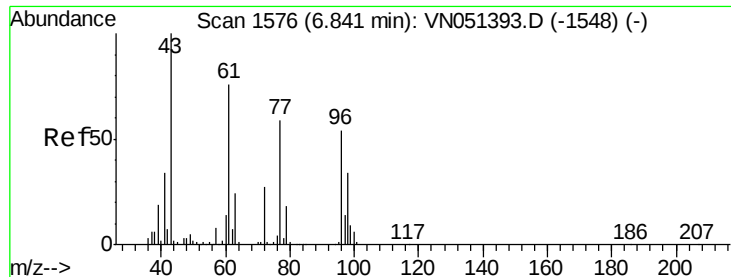
MMDadoda
 9/24/2018 2:15:24 PM



#24
 1,1-Dichloroethane
 Concen: 50.299 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Tgt Ion: 63 Resp: 595591
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.4 10.1
 100 4.0 2.2 6.6





#25

2-Butanone

Concen: 239.751 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampled :

ICVVN092318

Tgt Ion: 43 Resp: 565372

Ion Ratio Lower Upper

43 100

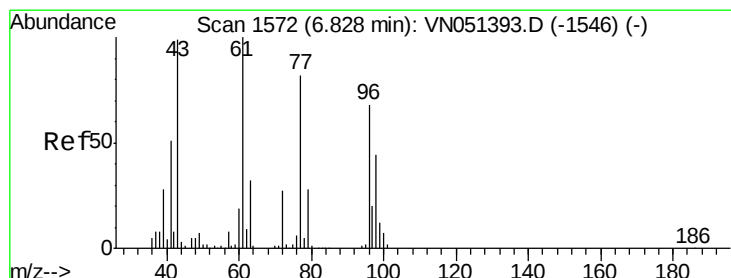
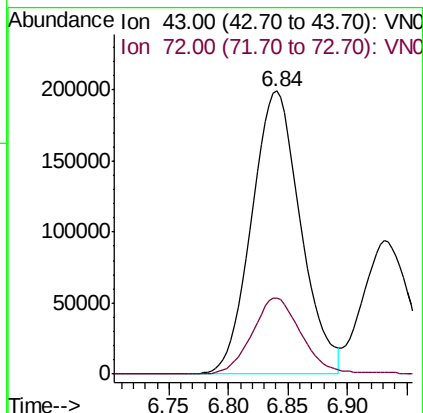
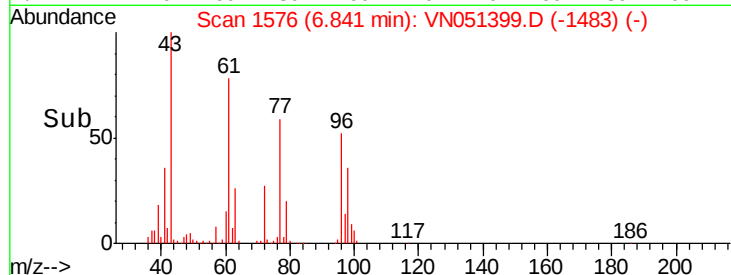
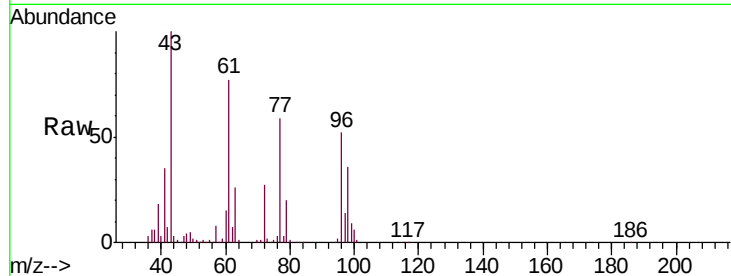
72 27.0 21.8 32.6

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#26

2,2-Dichloropropane

Concen: 48.751 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051399.D

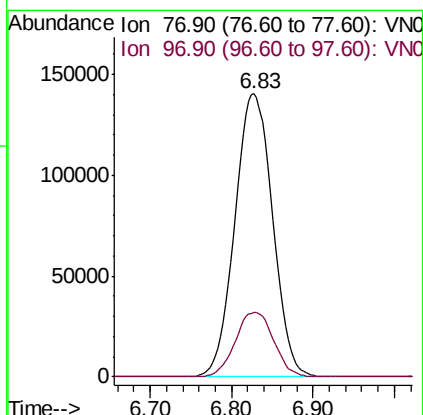
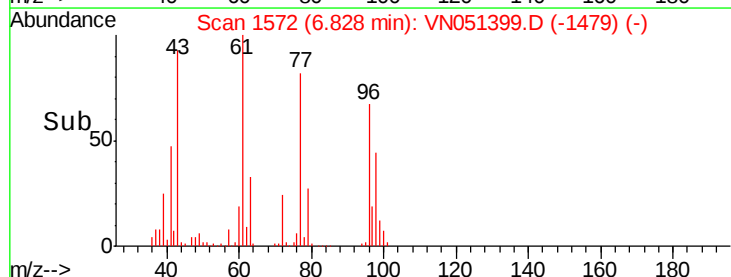
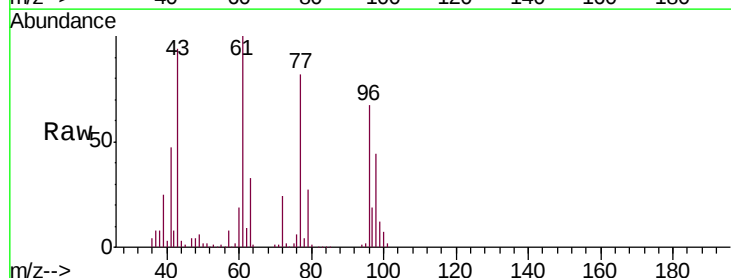
Acq: 22 Sep 2018 15:56

Tgt Ion: 77 Resp: 450609

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 49.471 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

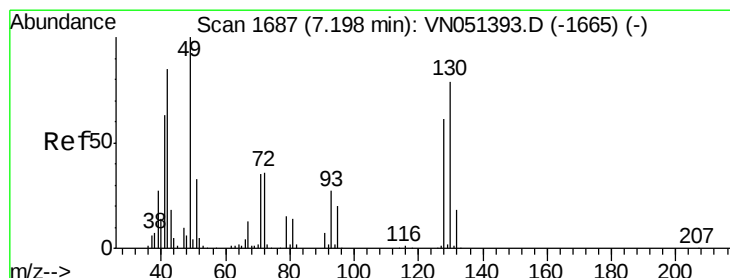
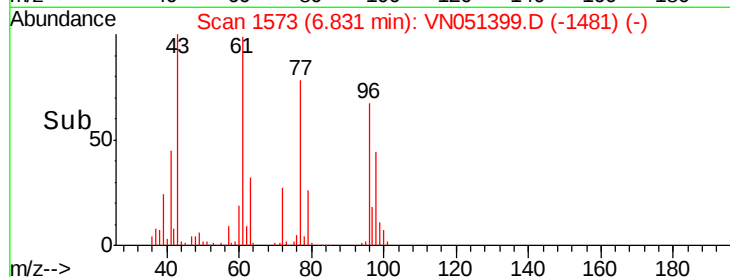
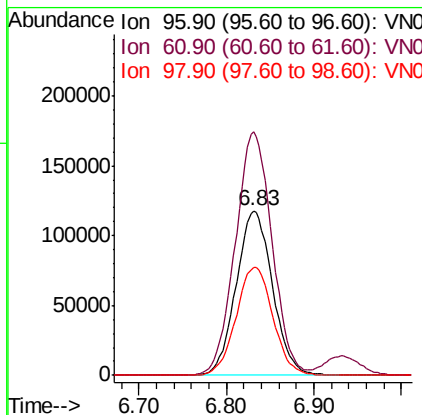
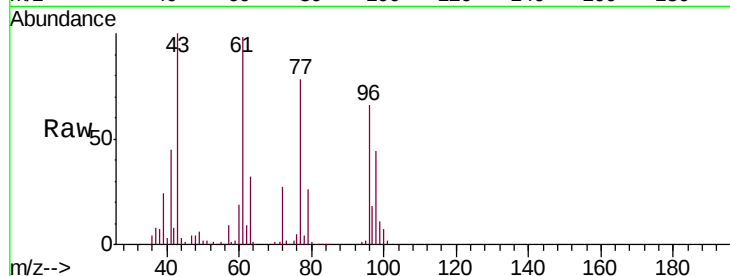
ClientSampleId :

ICVVN092318

Tgt Ion:	96	Resp:	339800
Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	291.4
98	66.6	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 48.397 ug/l

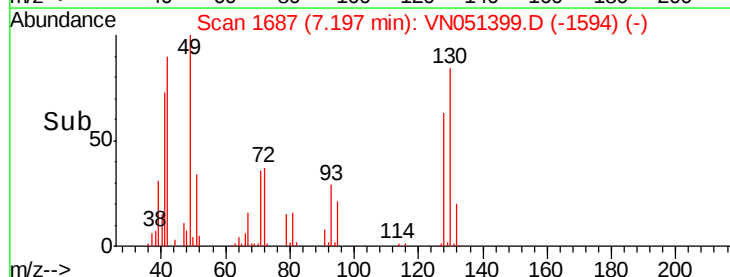
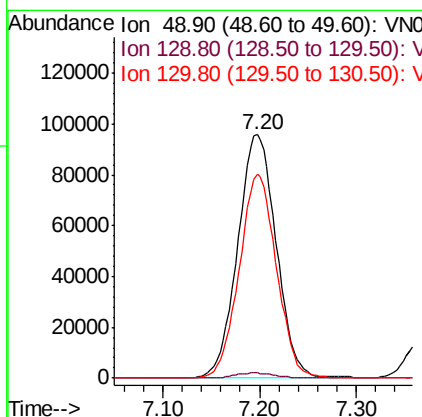
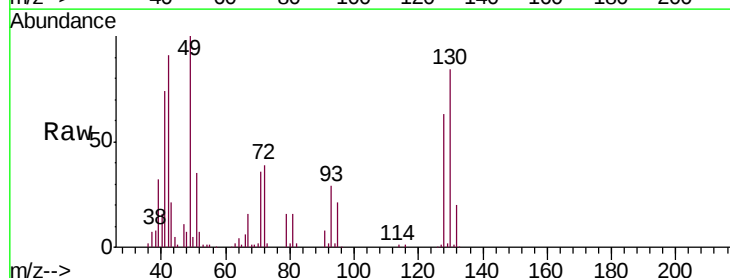
RT: 7.20 min Scan# 1687

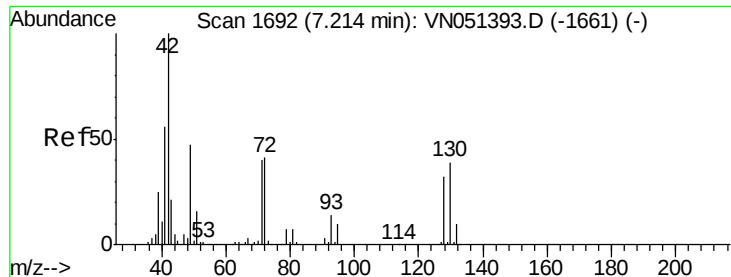
Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion:	49	Resp:	264641
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.0	63.0	94.4





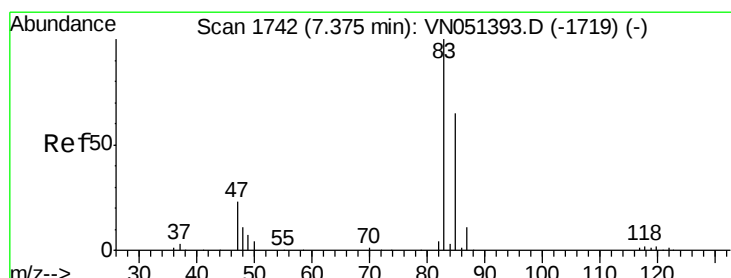
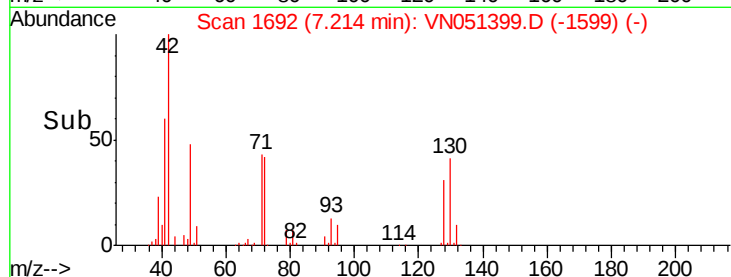
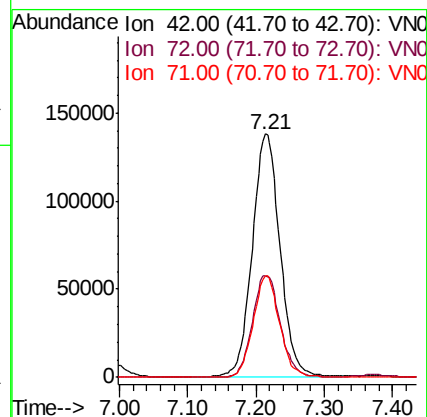
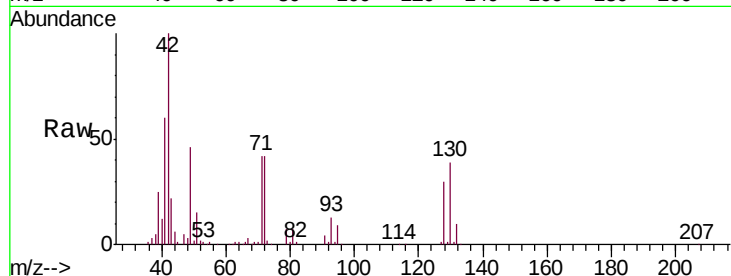
#29
Tetrahydrofuran
Concen: 261.066 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.3	51.5
71	39.9	32.2	48.4

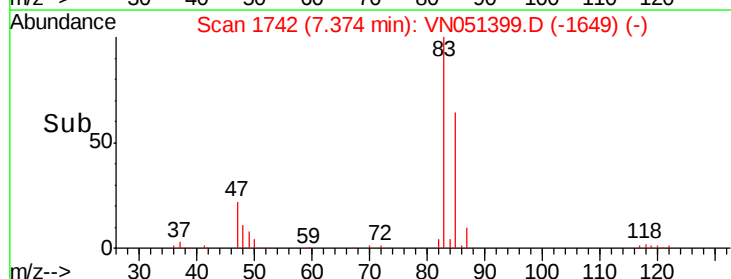
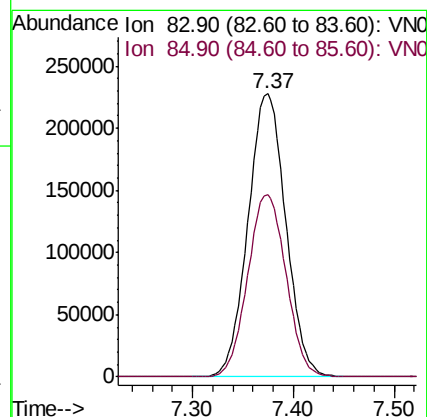
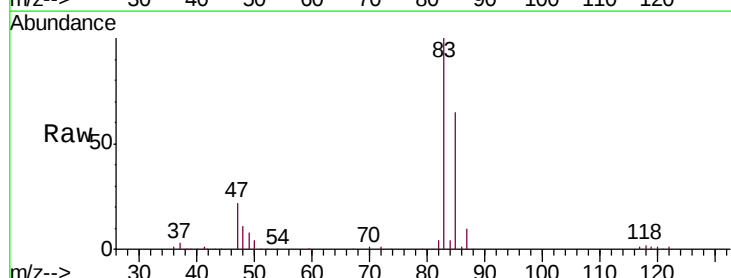
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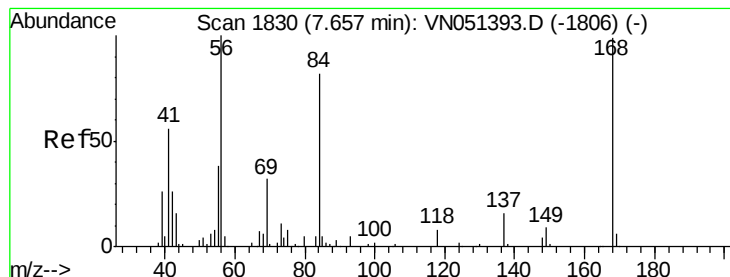
MMDadoda
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#30
Chloroform
Concen: 50.423 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





#31

Cyclohexane

Concen: 49.311 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092318

Tgt Ion: 56 Resp: 534956
Ion Ratio Lower Upper

56 100

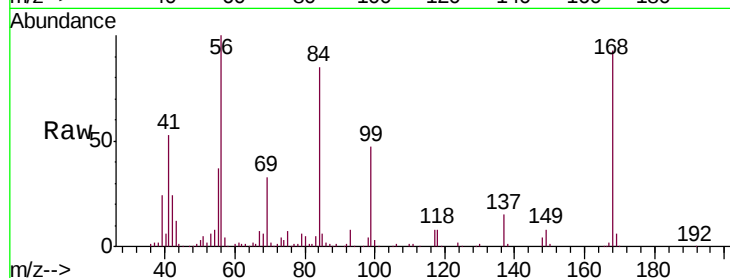
69 32.5 25.8 38.6

84 84.0 66.0 99.0

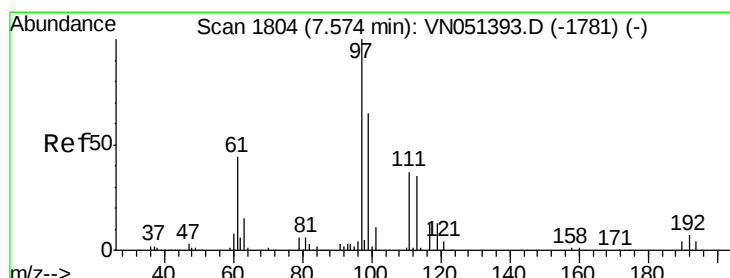
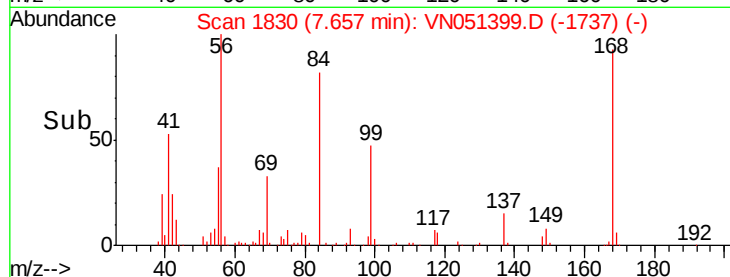
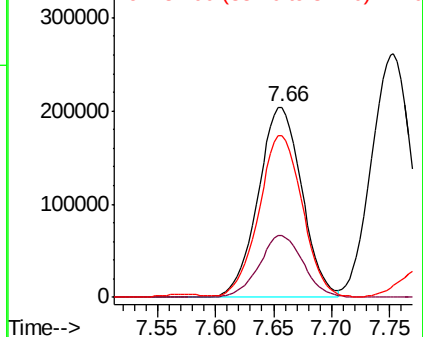
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Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 50.981 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051399.D

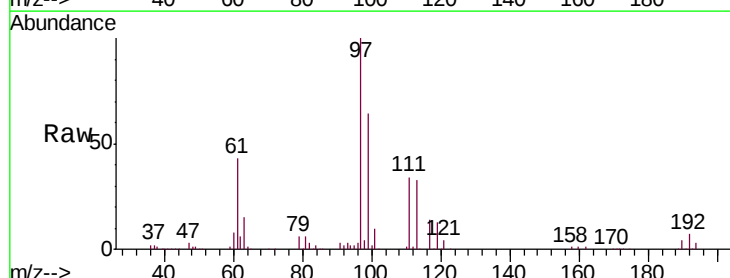
Acq: 22 Sep 2018 15:56

Tgt Ion: 97 Resp: 511369
Ion Ratio Lower Upper

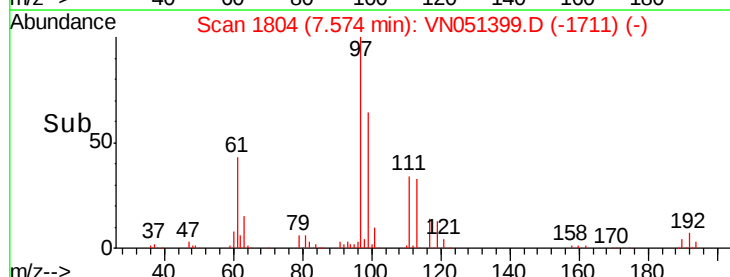
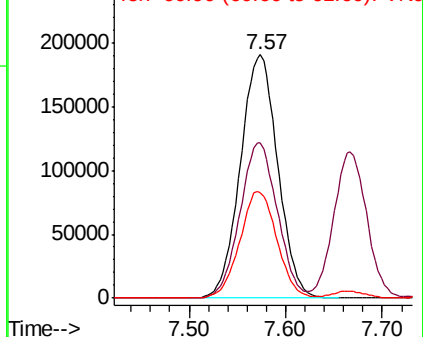
97 100

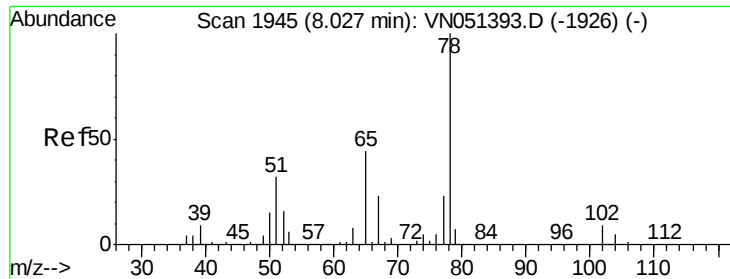
99 63.9 51.4 77.0

61 43.7 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





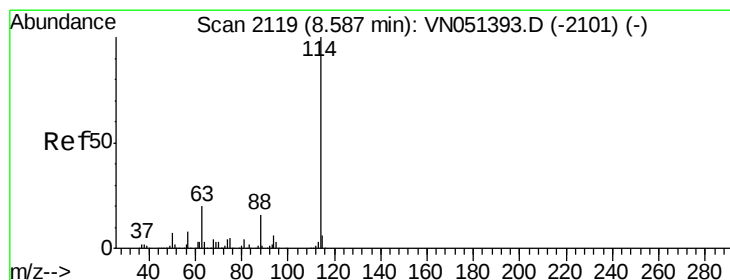
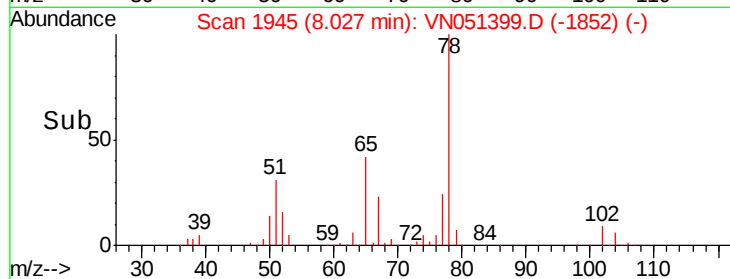
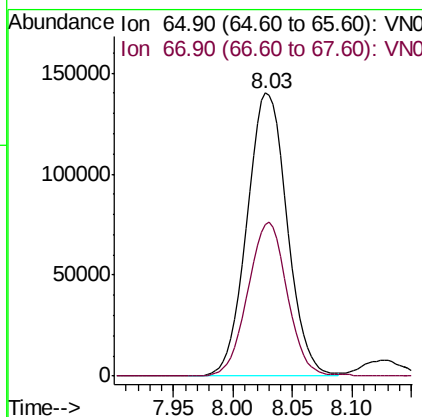
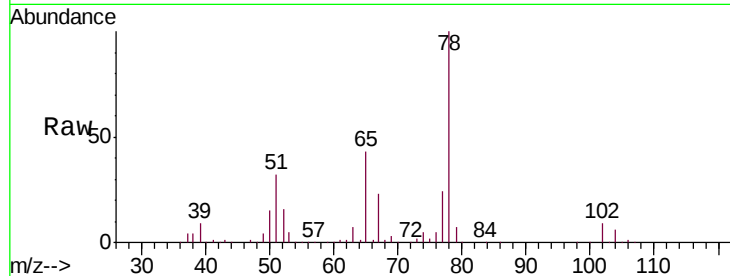
#33
 1,2-Dichloroethane-d4
 Concen: 47.598 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092318

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	327937		
67	53.5	0.0	107.8	

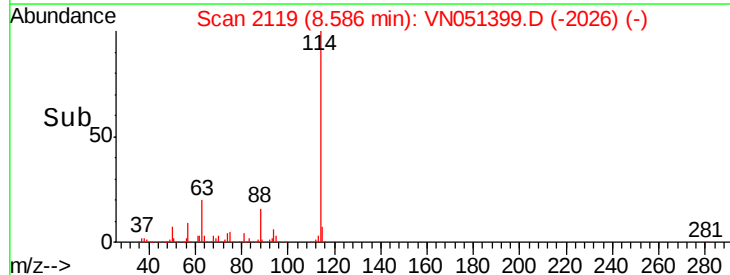
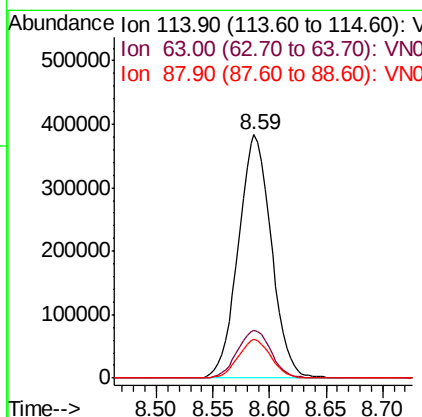
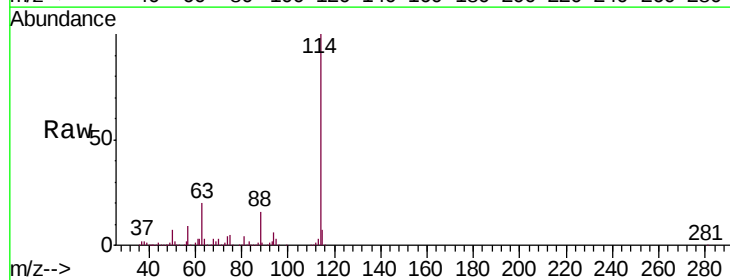
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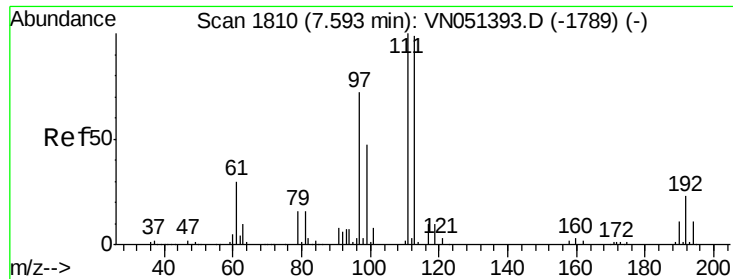
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	780853		
63	19.8	0.0	40.2	
88	16.0	0.0	31.4	





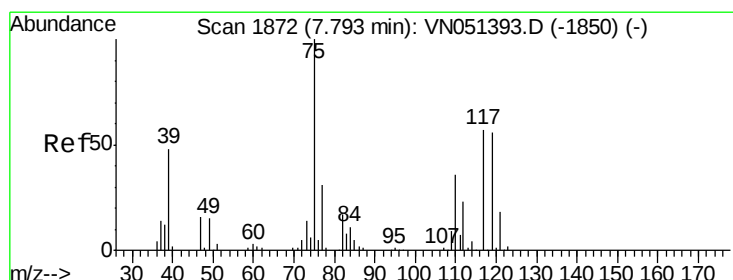
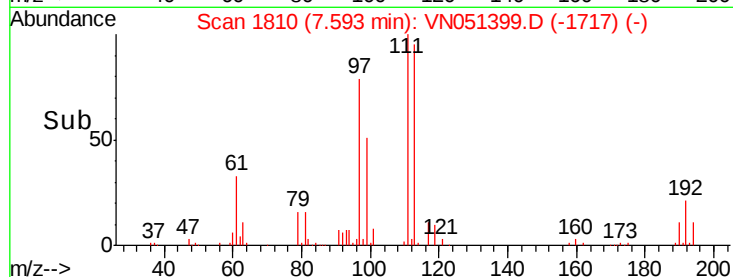
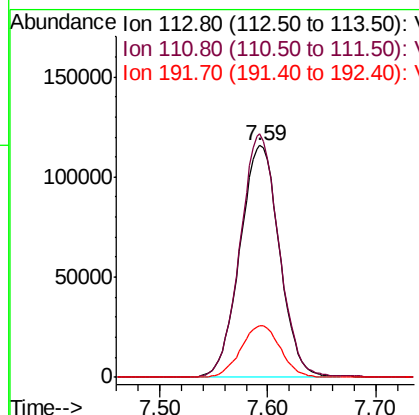
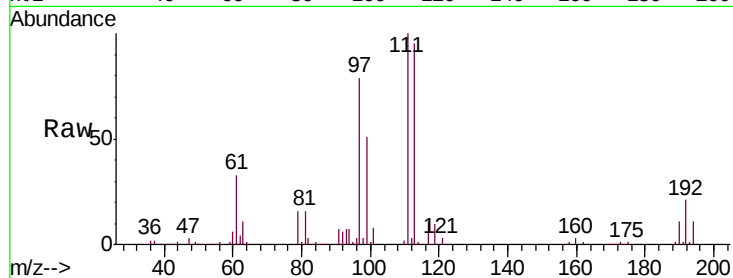
#35
 Dibromofluoromethane
 Concen: 47.252 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092318

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	295049		
111	102.9	82.6	123.8	
192	22.3	18.0	27.0	

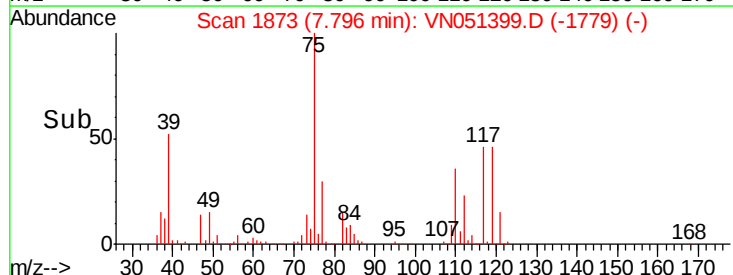
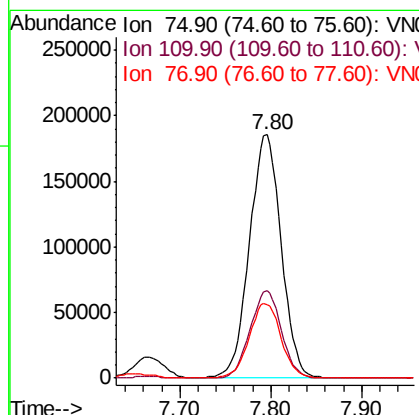
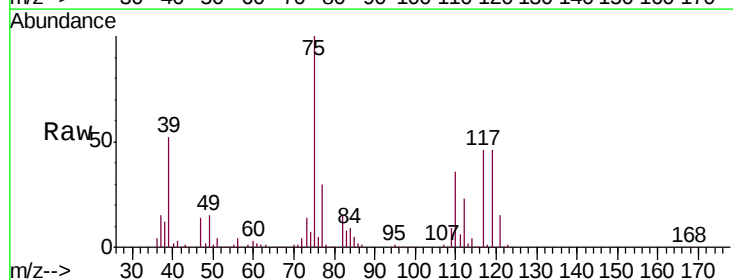
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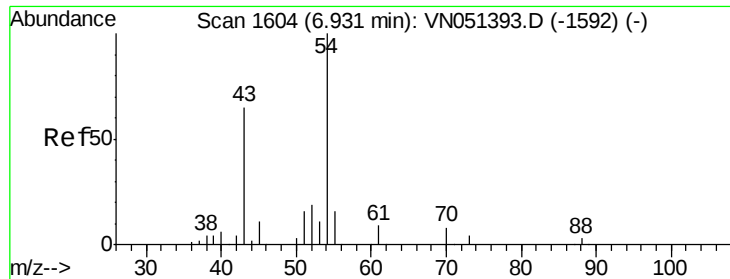
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 49.590 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	448417		
110	35.4	18.1	54.3	
77	31.2	25.6	38.4	





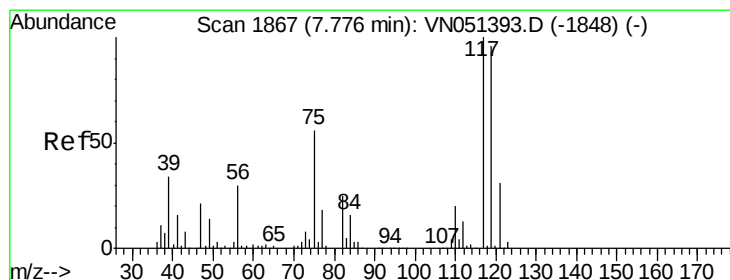
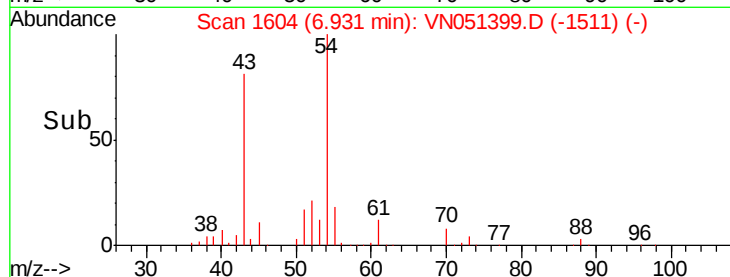
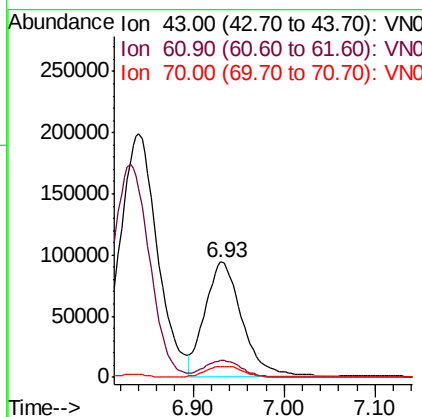
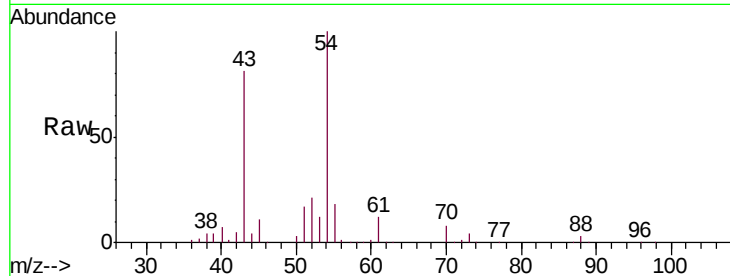
#37
Ethyl Acetate
Concen: 50.804 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.5	17.3
70	9.6	7.9	11.9

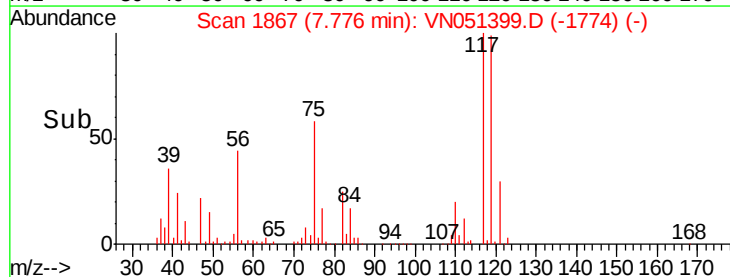
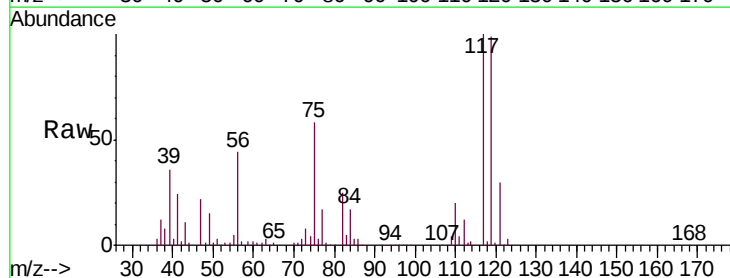
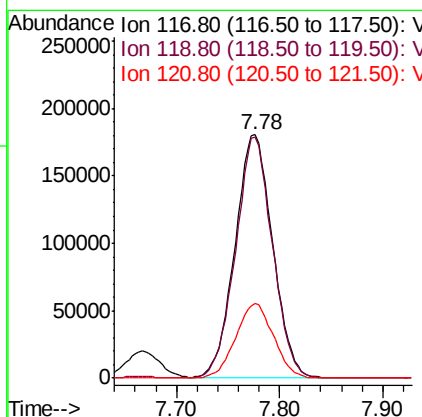
Manual Integrations
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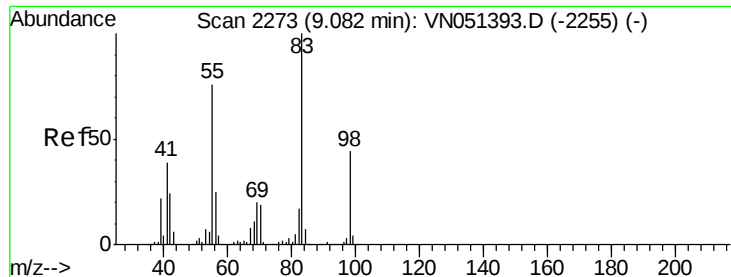
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#38
Carbon Tetrachloride
Concen: 48.455 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.9	115.3
121	30.5	24.6	37.0





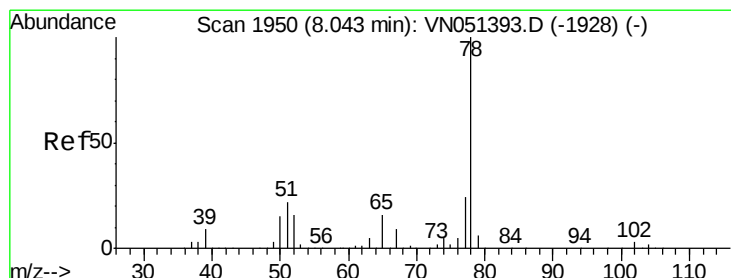
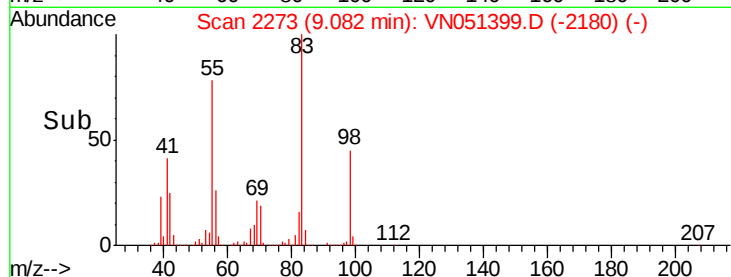
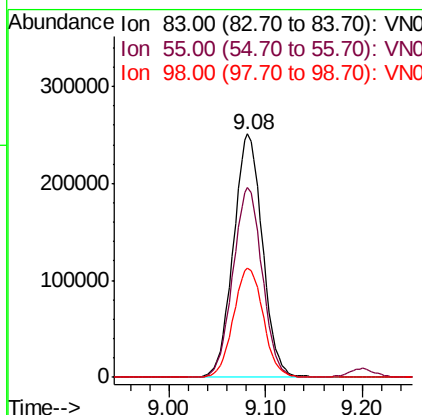
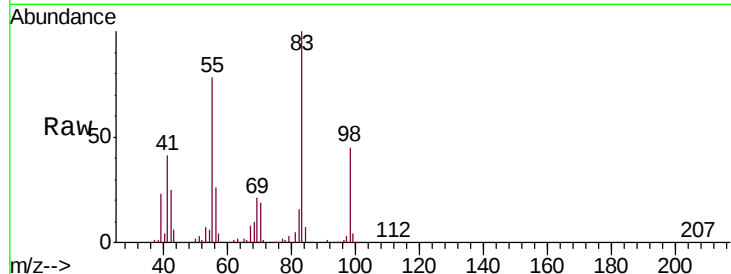
#39
Methylcyclohexane
Concen: 49.578 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	524070		
55	78.0		61.0	91.4
98	44.7		35.6	53.4

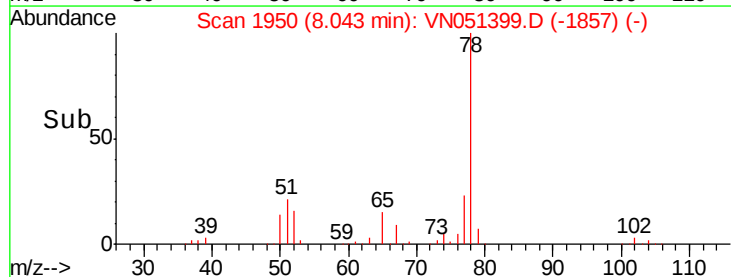
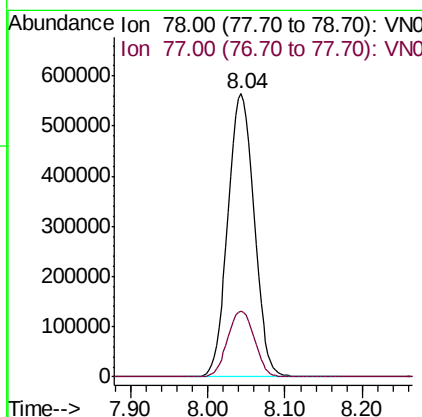
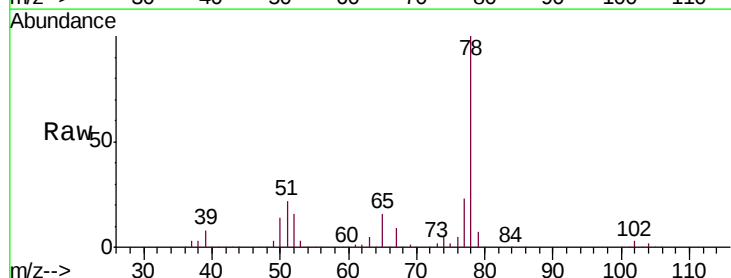
Manual Integrations
APPROVED

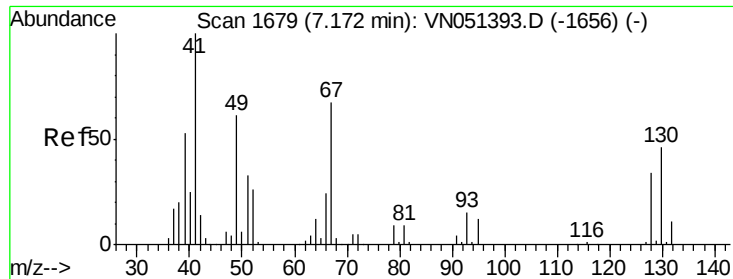
MMDadoda
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#40
Benzene
Concen: 50.024 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1328152		
77	23.3		19.2	28.8





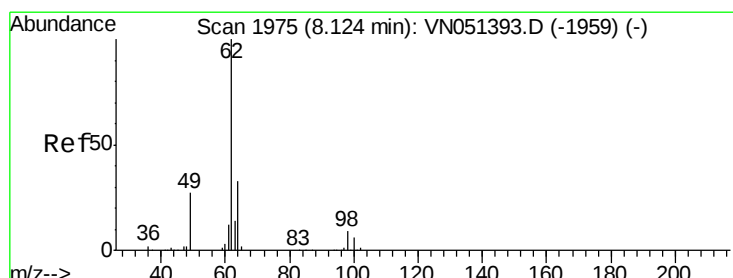
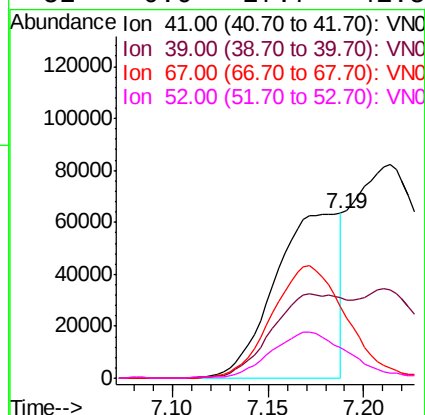
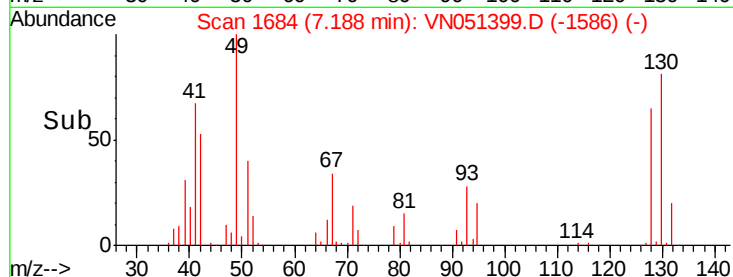
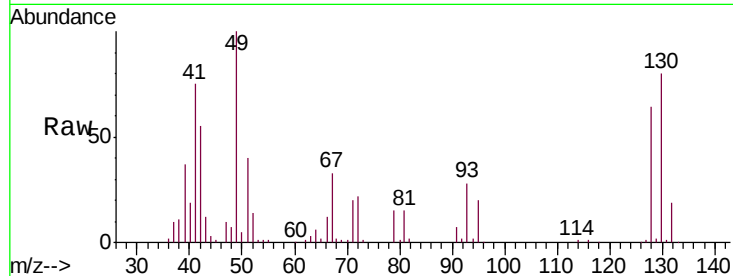
#41
Methacrylonitrile
Concen: 52.378 ug/l m
RT: 7.19 min Scan# 1684
Delta R.T. 0.02 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion: 41 Resp: 150658
Ion Ratio Lower Upper
41 100
39 0.0 51.4 77.2#
67 0.0 66.8 100.2#
52 0.0 27.7 41.5#

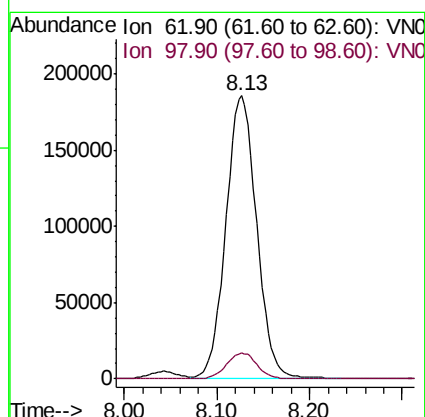
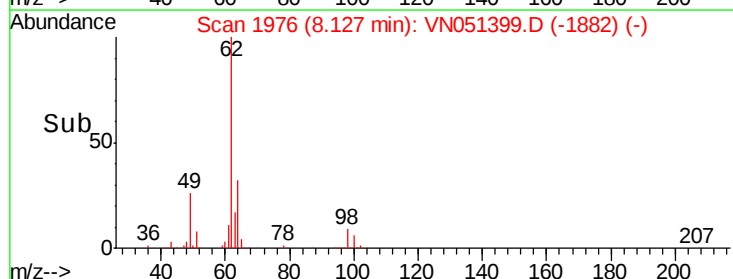
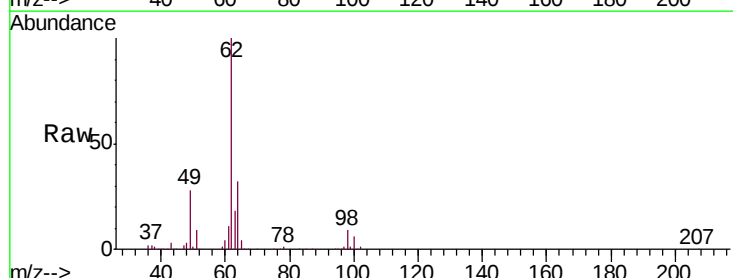
Manual Integrations
APPROVED

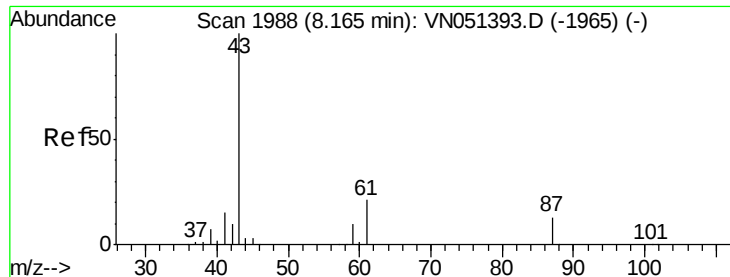
MMDadoda
9/24/2018 2:15:24 PM



#42
1,2-Dichloroethane
Concen: 50.142 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion: 62 Resp: 426286
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.6





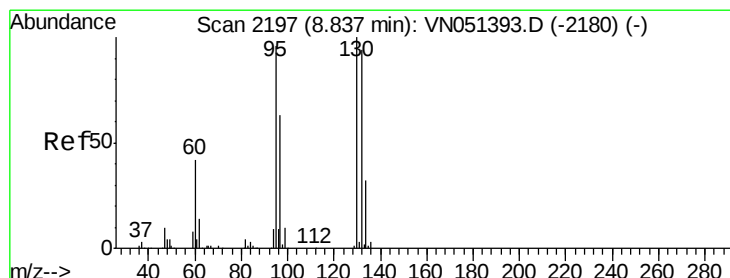
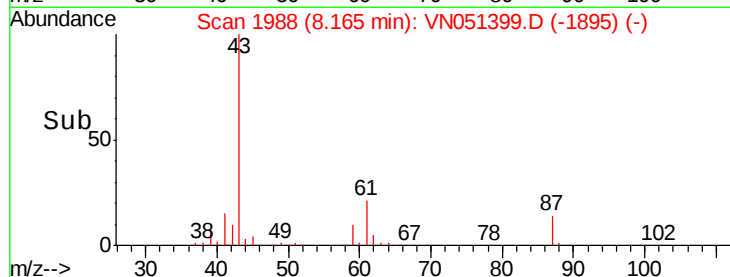
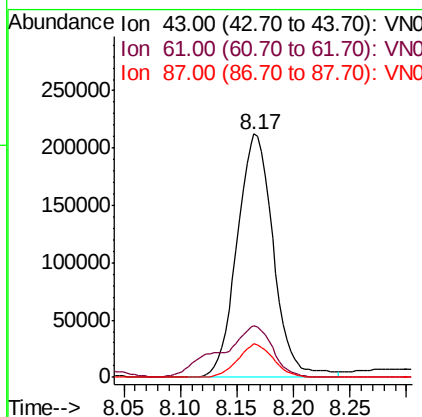
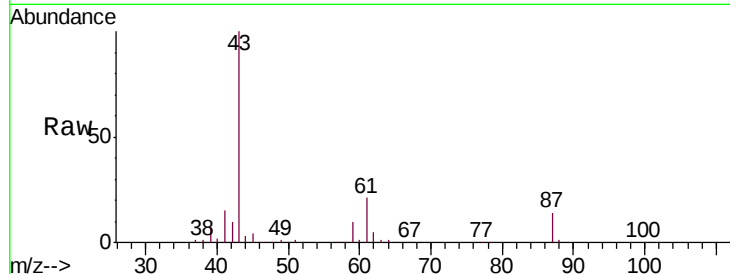
#43
Isopropyl Acetate
Concen: 50.503 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.9	16.8	25.2#
87	13.4	10.7	16.1

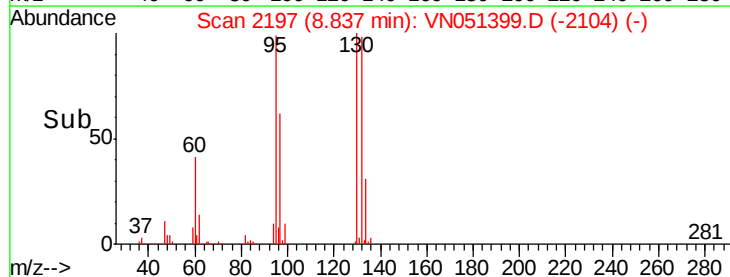
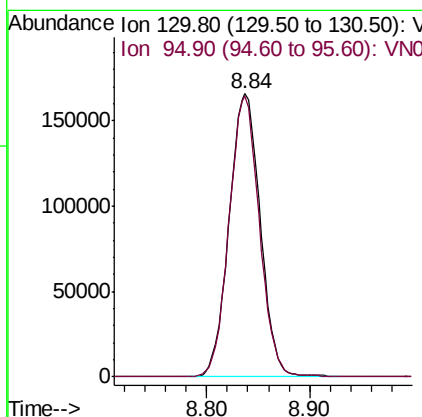
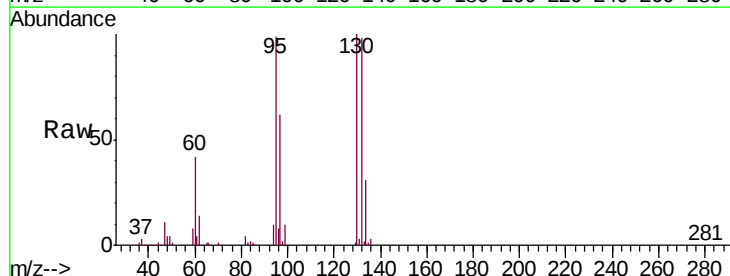
Manual Integrations
APPROVED

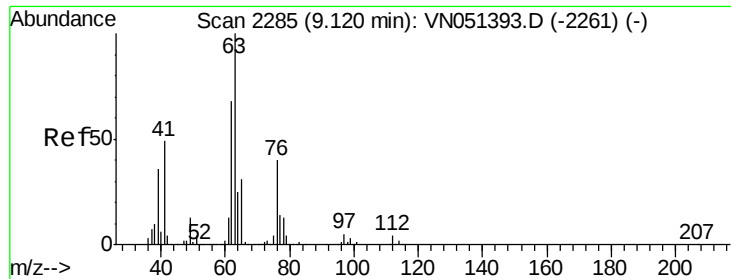
MMDadoda
9/24/2018 2:15:24 PM



#44
Trichloroethene
Concen: 49.360 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	192.2





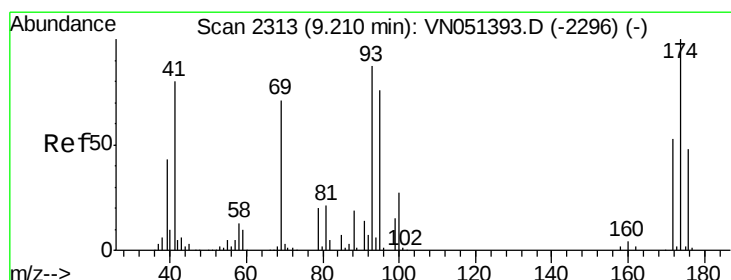
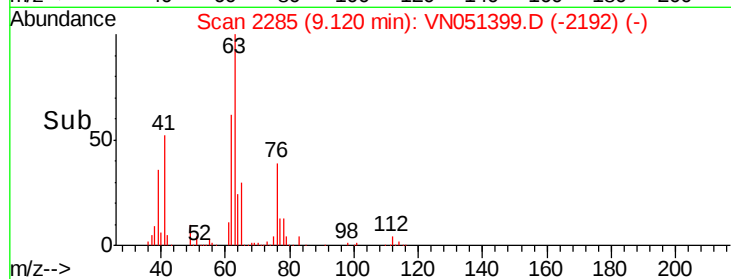
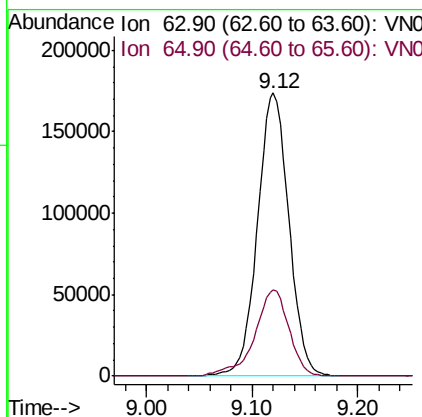
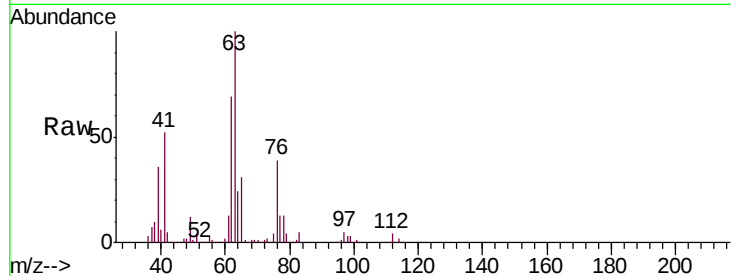
#45
 1,2-Dichloropropane
 Concen: 49.893 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092318

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.9	37.3

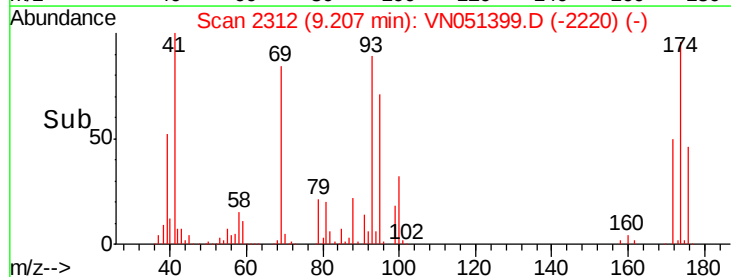
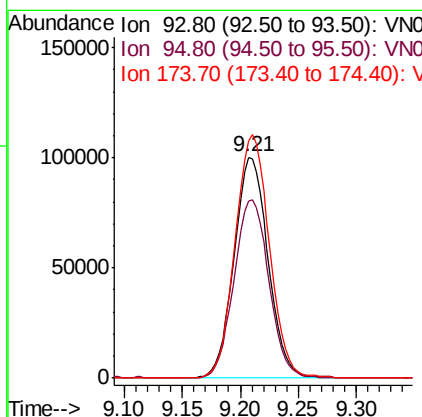
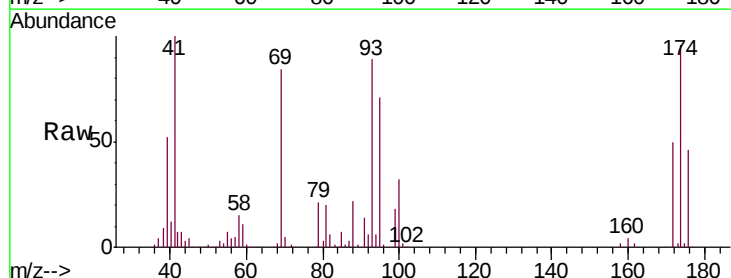
Manual Integrations
 APPROVED

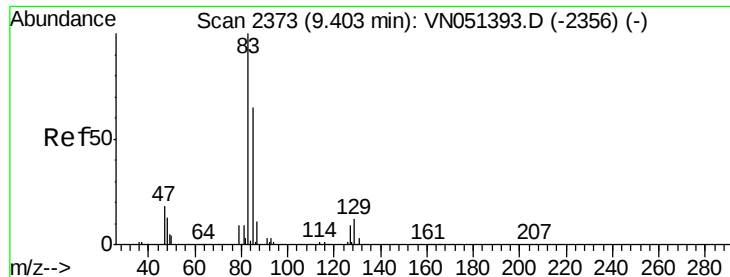
MMDadoda
 9/24/2018 2:15:24 PM



#46
 Dibromomethane
 Concen: 50.164 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.6	101.4
174	111.3	89.6	134.4





#47

Bromodichloromethane

Concen: 49.936 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

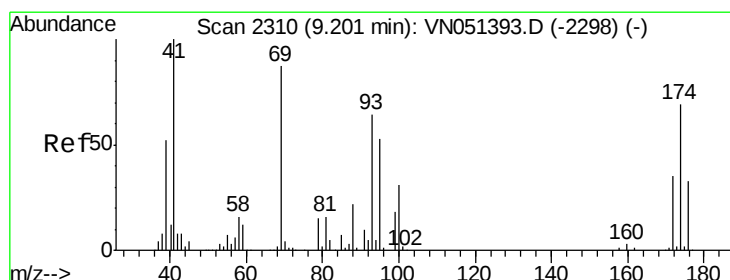
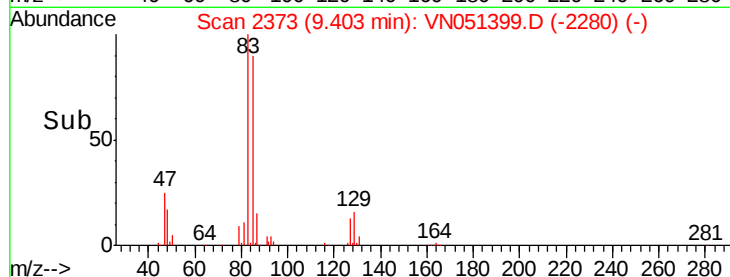
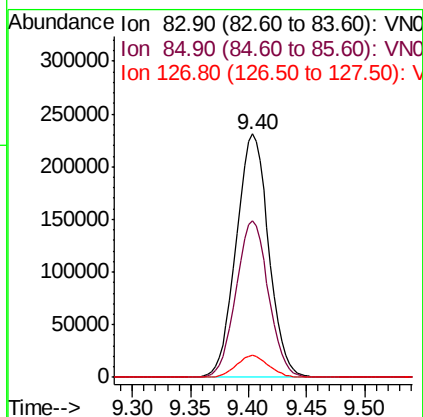
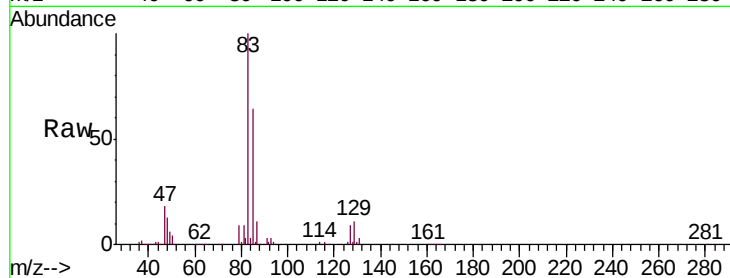
ClientSampleId :

ICVVN092318

Tgt Ion:	83	Resp:	450636
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	9.0	7.4	11.2

Manual Integrations
APPROVED

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



#48

Methyl methacrylate

Concen: 51.197 ug/l

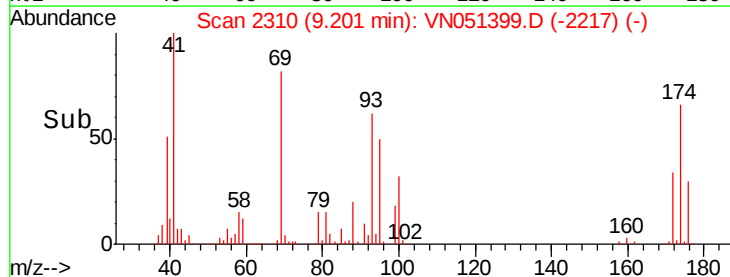
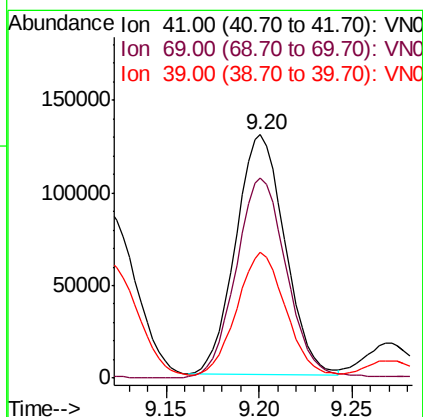
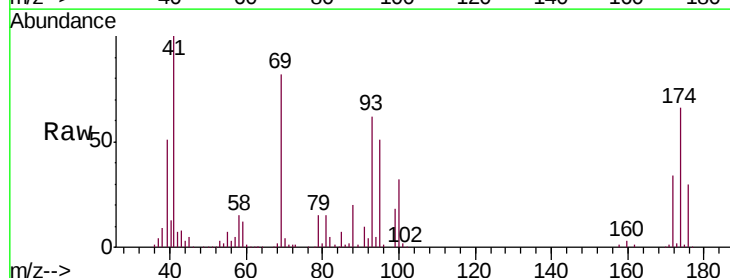
RT: 9.20 min Scan# 2310

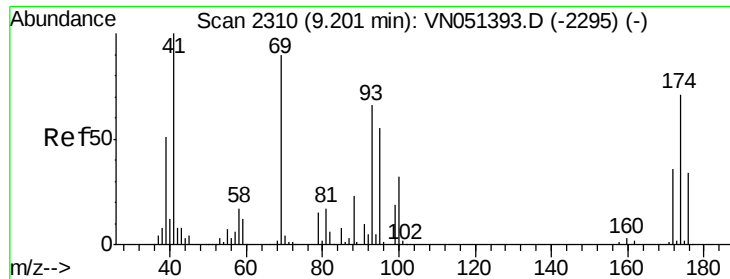
Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion:	41	Resp:	239969
Ion	Ratio	Lower	Upper
41	100		
69	85.0	70.4	105.6
39	52.6	43.8	65.8





#49

1,4-Dioxane

Concen: 1014.730 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

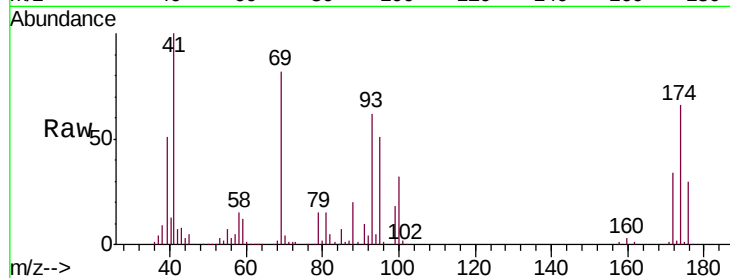
ClientSampleId :

ICVVN092318

Tgt Ion:	88	Resp:	58290
Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.9	38.9
58	70.4	57.0	85.4

Manual Integrations
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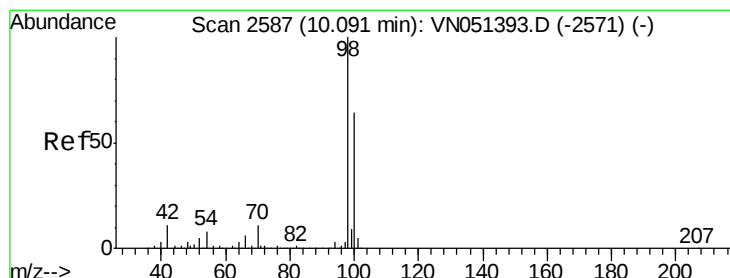
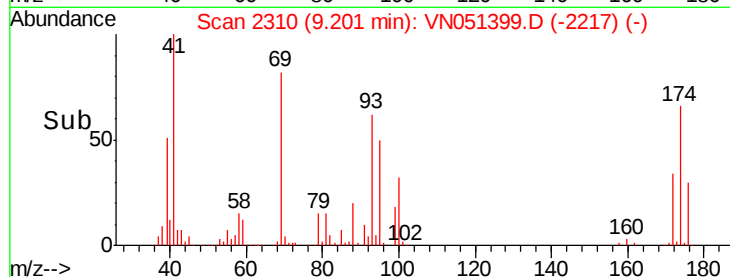
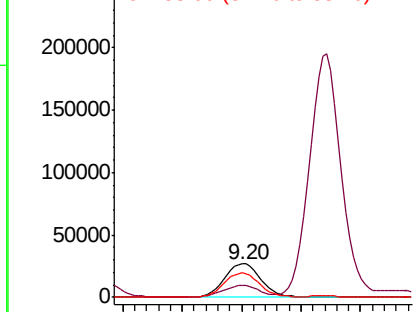


Abundance

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: 46.527 ug/l

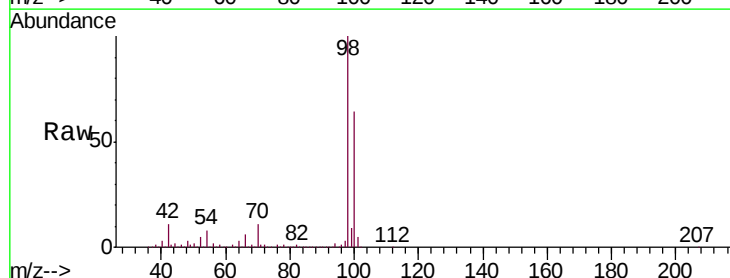
RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

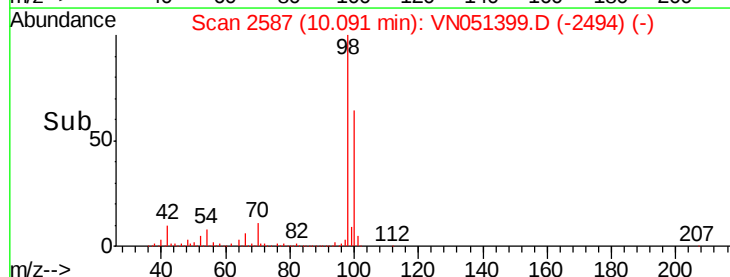
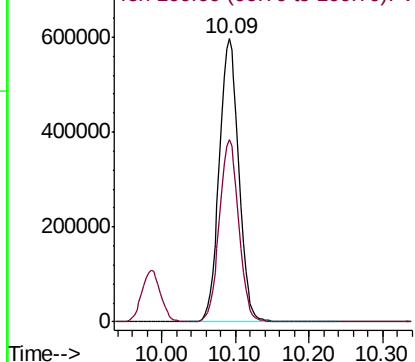
Tgt Ion:	98	Resp:	1093992
Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.6	75.8

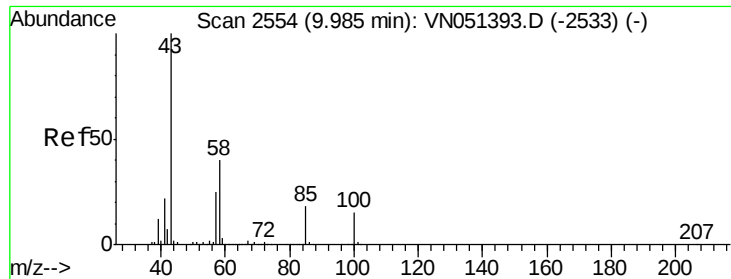


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





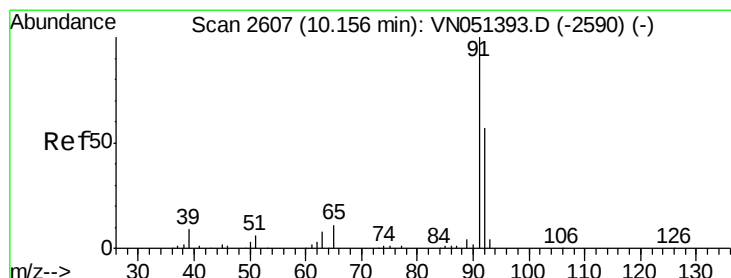
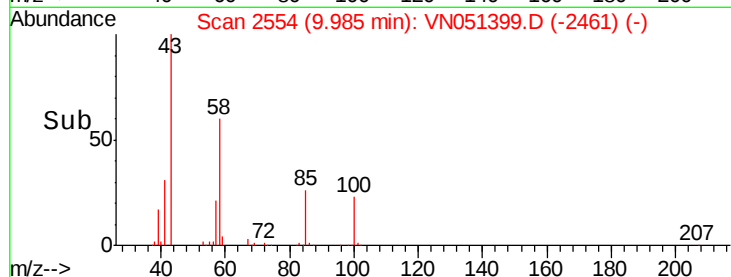
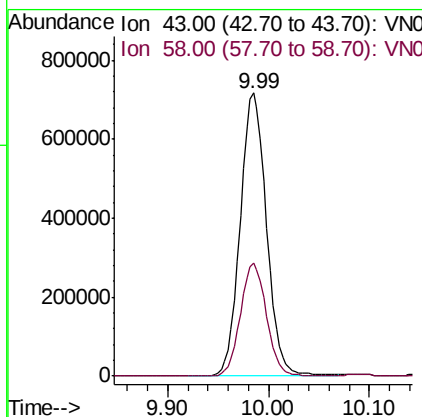
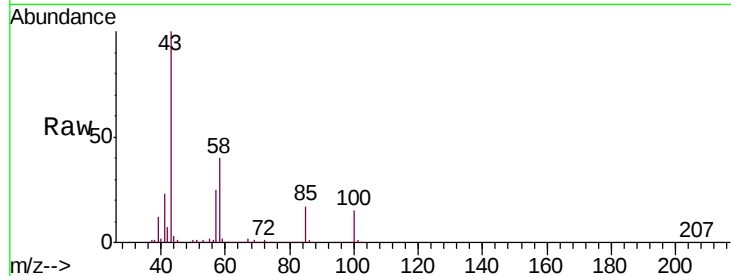
#51
4-Methyl-2-Pentanone
Concen: 249.342 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion: 43 Resp: 1289190
Ion Ratio Lower Upper
43 100
58 39.6 31.5 47.3

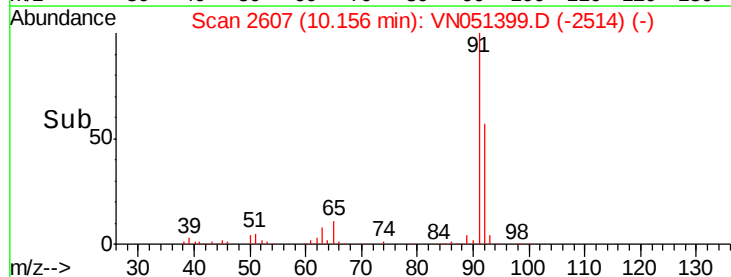
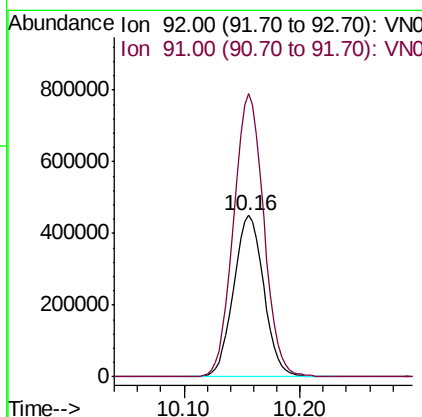
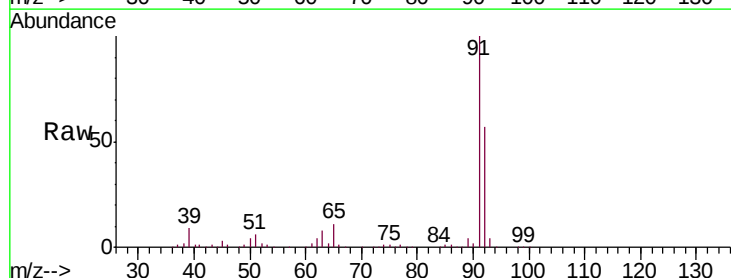
Manual Integrations
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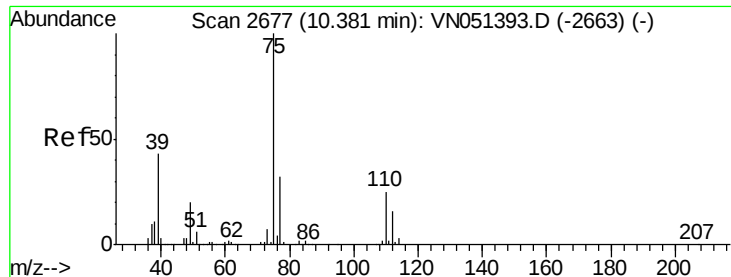
MMDadoda
9/24/2018 2:15:24 PM



#52
Toluene
Concen: 49.169 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion: 92 Resp: 811292
Ion Ratio Lower Upper
92 100
91 175.4 142.2 213.4





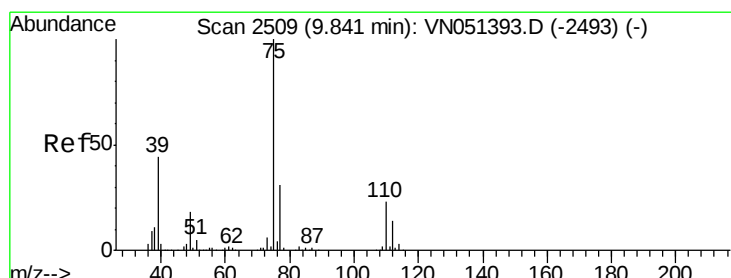
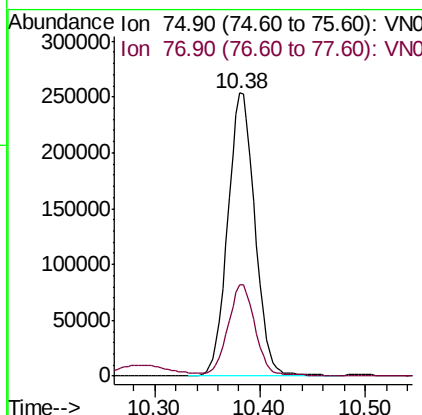
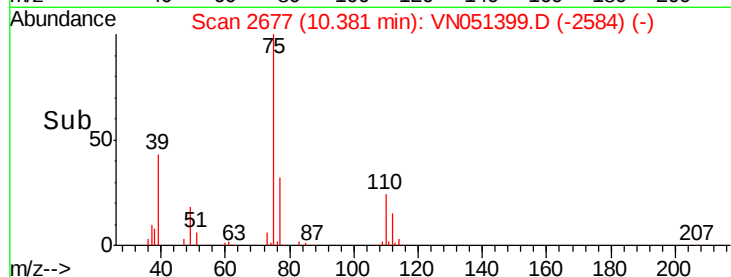
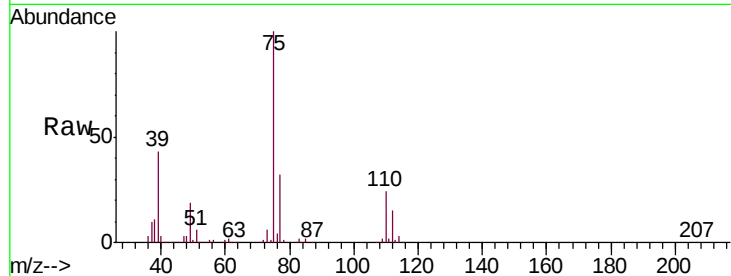
#53
t-1,3-Dichloropropene
Concen: 49.608 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampled :
ICVVN092318

Tgt Ion: 75 Resp: 451968
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.8

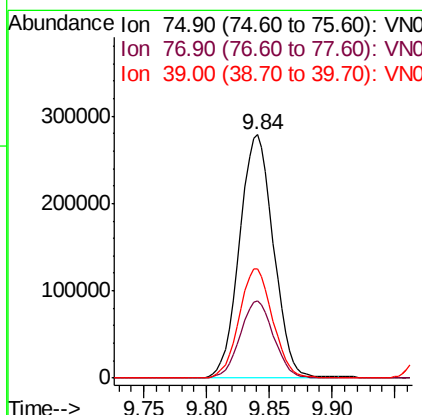
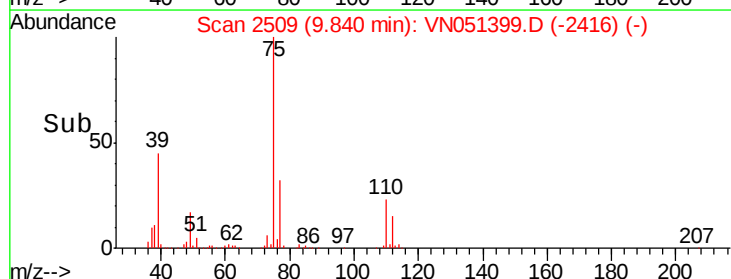
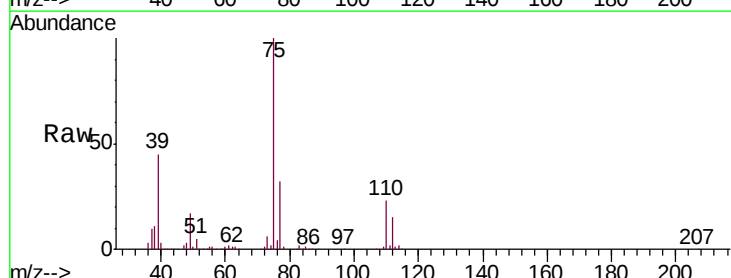
Manual Integrations
APPROVED

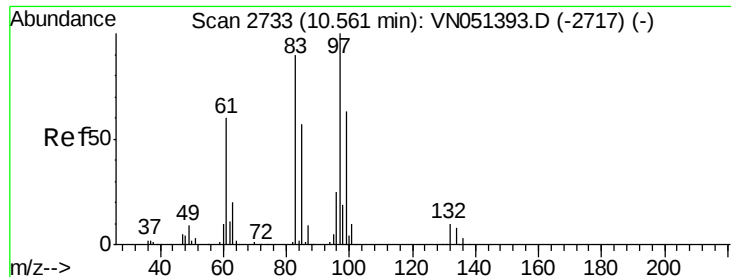
MMDadoda
9/24/2018 2:15:24 PM



#54
cis-1,3-Dichloropropene
Concen: 49.763 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion: 75 Resp: 525777
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8
39 44.6 35.4 53.2





#55

1,1,2-Trichloroethane

Concen: 49.950 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092318

Tgt Ion: 97 Resp: 291278

Ion Ratio Lower Upper

97 100

83 88.7 72.0 108.0

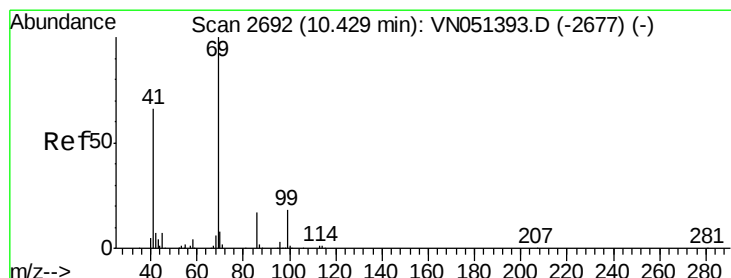
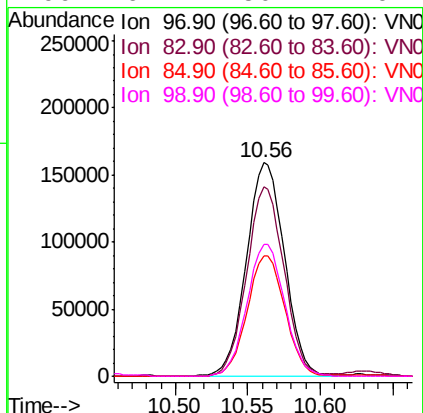
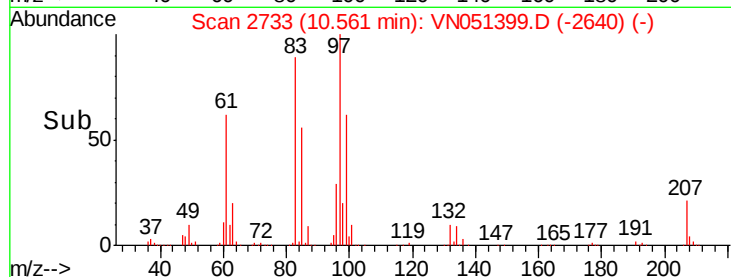
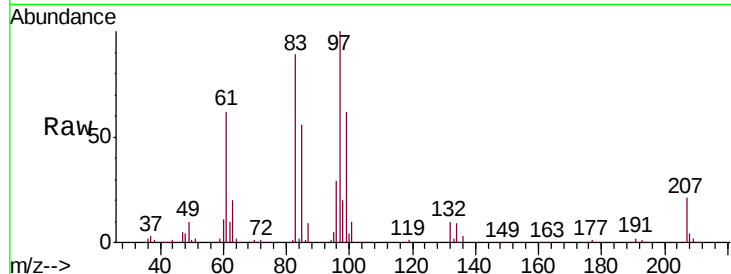
85 56.4 45.2 67.8

99 61.7 50.7 76.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.715 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

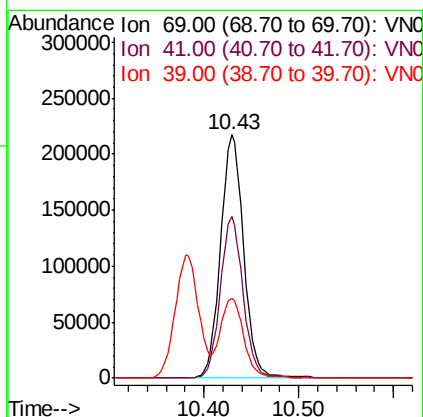
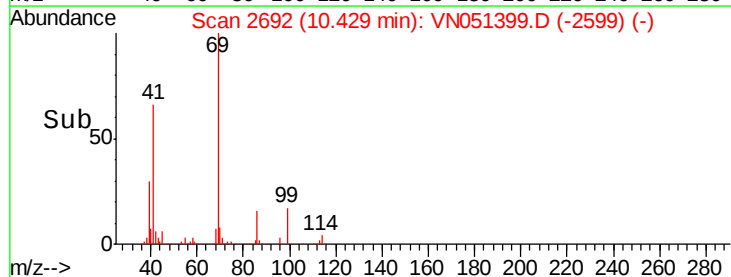
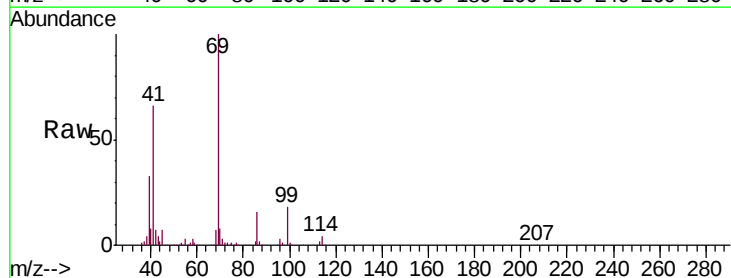
Tgt Ion: 69 Resp: 368712

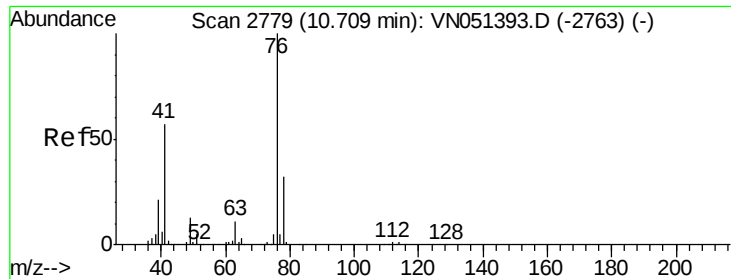
Ion Ratio Lower Upper

69 100

41 64.4 52.4 78.6

39 33.6 26.3 39.5





#57

1,3-Dichloropropane

Concen: 49.509 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092318

Tgt Ion: 76 Resp: 494844

Ion Ratio Lower Upper

76 100

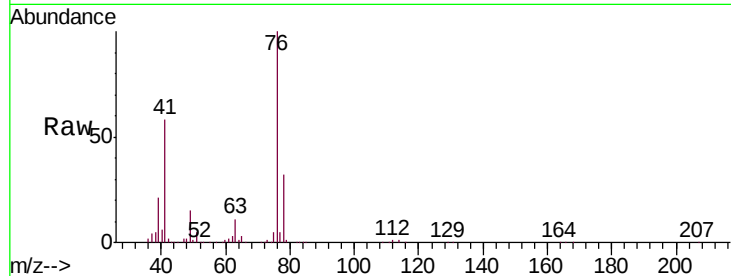
78 32.2 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

300000

250000

200000

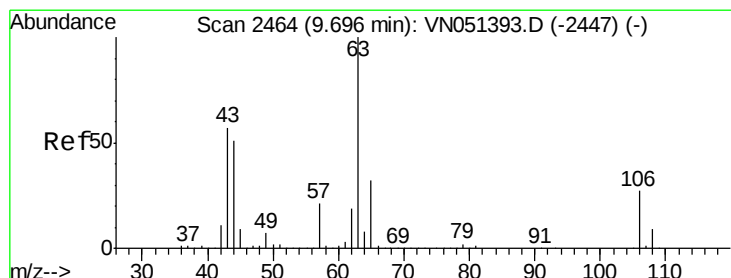
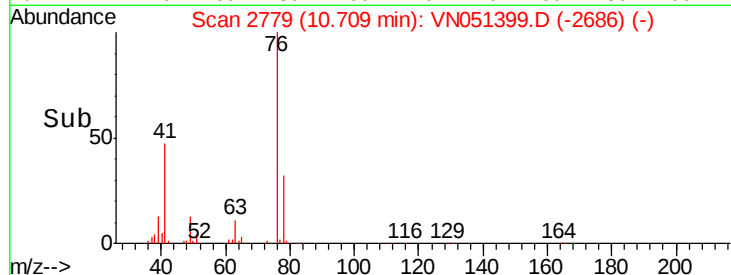
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 244.200 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051399.D

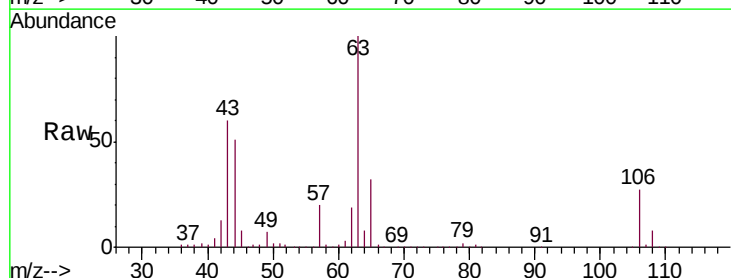
Acq: 22 Sep 2018 15:56

Tgt Ion: 63 Resp: 940239

Ion Ratio Lower Upper

63 100

106 26.4 21.4 32.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

600000

500000

400000

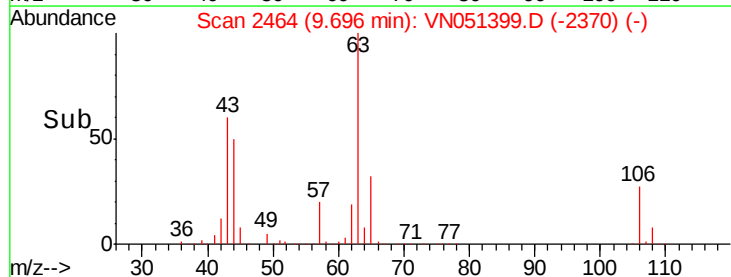
300000

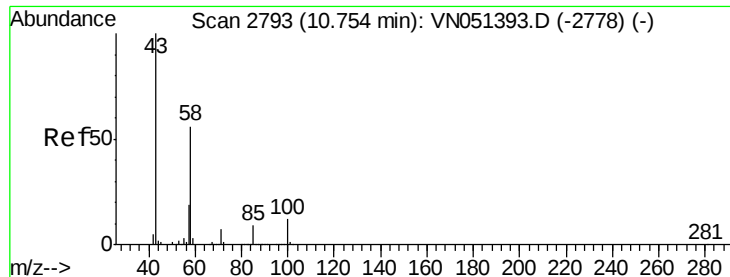
200000

100000

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Time-->





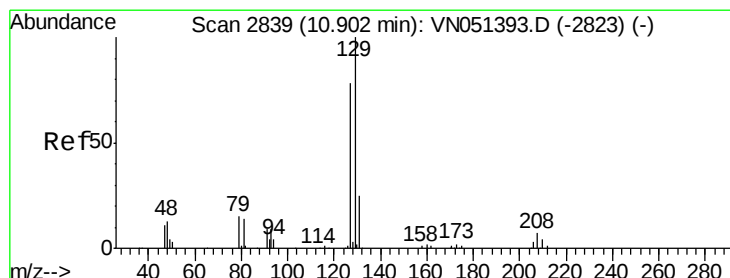
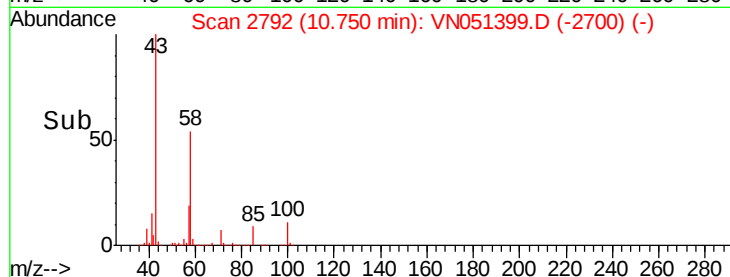
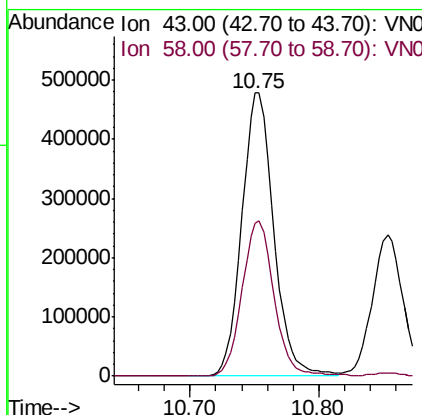
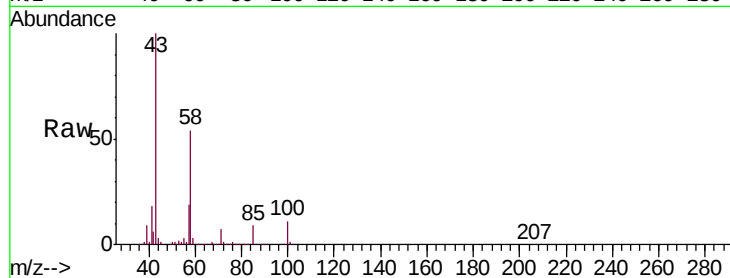
#59
2-Hexanone
Concen: 245.821 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion: 43 Resp: 823933
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.0

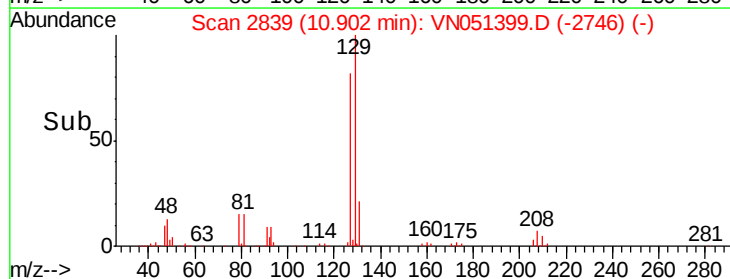
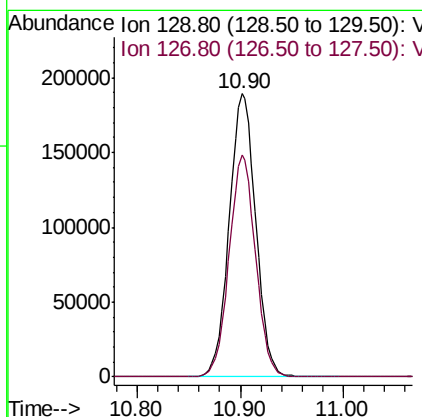
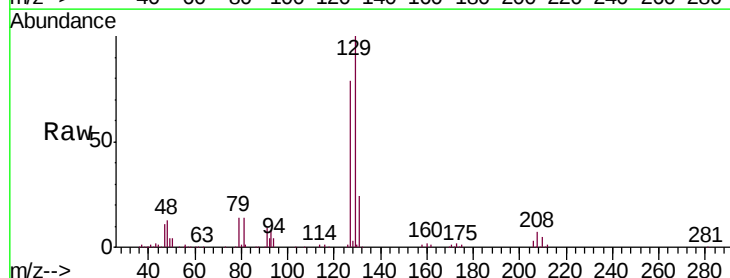
Manual Integrations
APPROVED

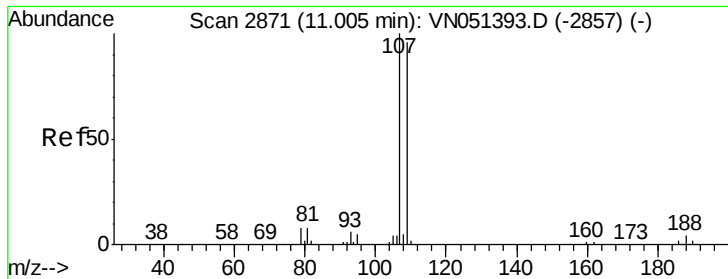
MMDadoda
9/24/2018 2:15:24 PM



#60
Dibromochloromethane
Concen: 49.405 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion: 129 Resp: 339924
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0





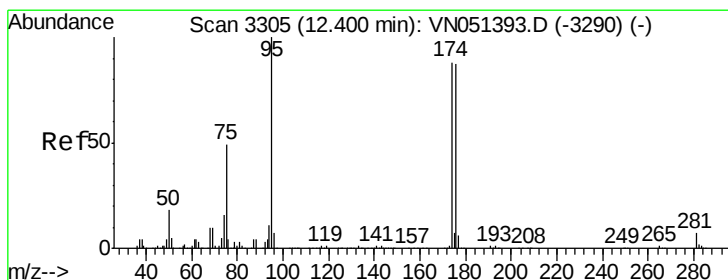
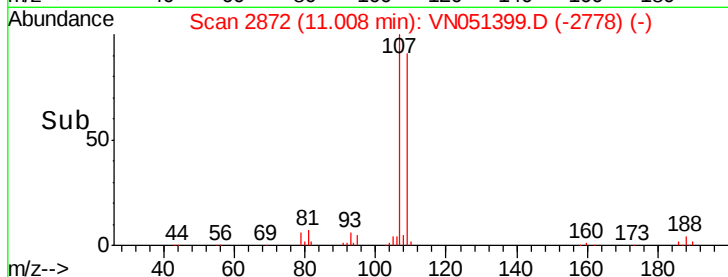
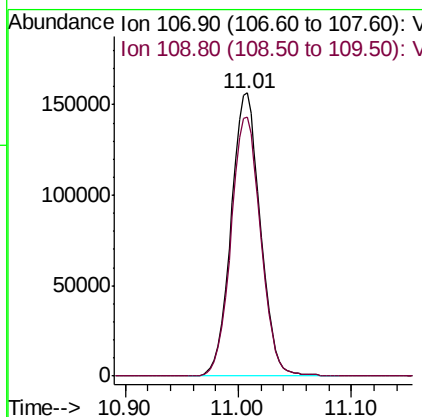
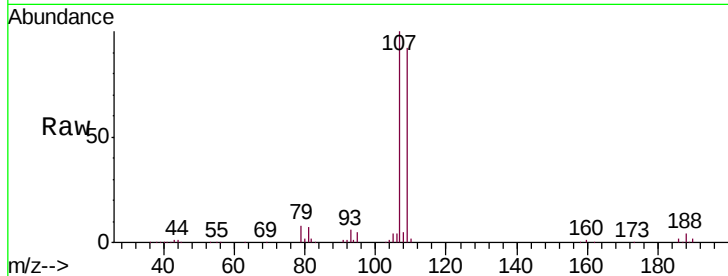
#61
 1,2-Dibromoethane
 Concen: 49.702 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092318

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	281360		
109	93.2	76.3	114.5	

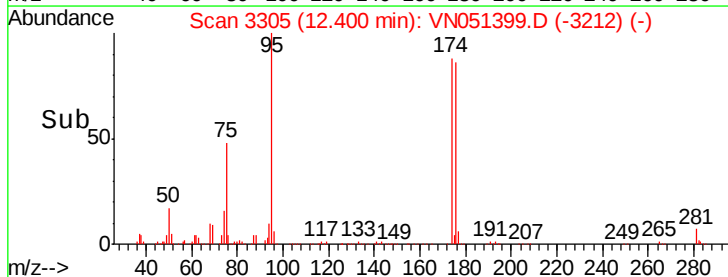
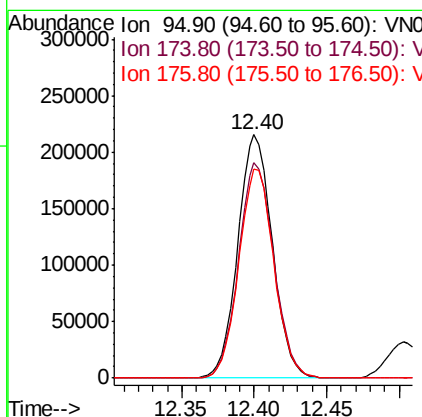
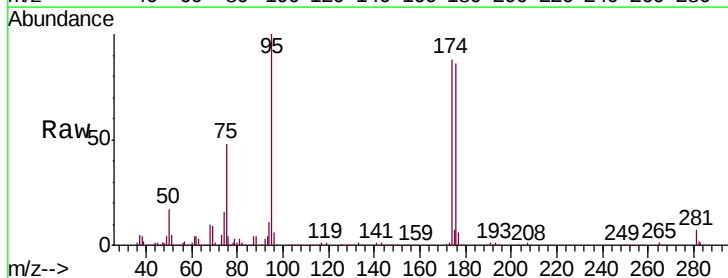
Manual Integrations
 APPROVED

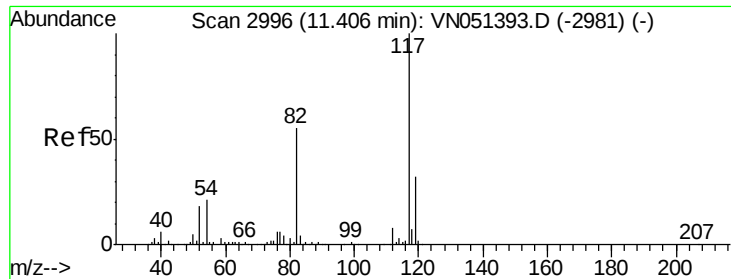
MMDadoda
 9/24/2018 2:15:24 PM



#62
 4-Bromofluorobenzene
 Concen: 46.848 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	356351		
174	90.5	0.0	181.6	
176	87.5	0.0	176.4	





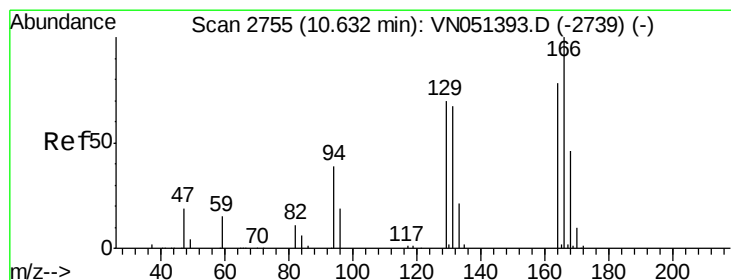
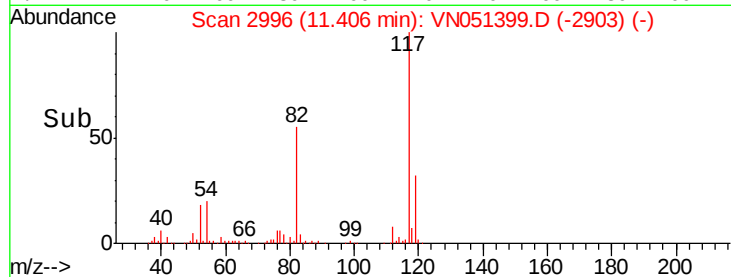
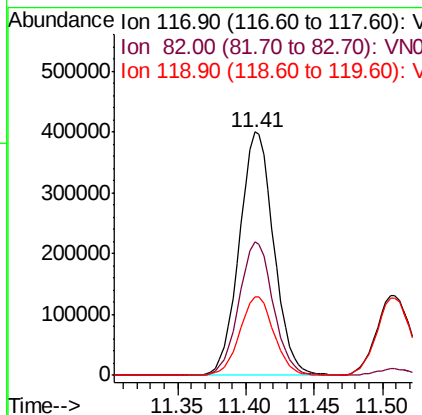
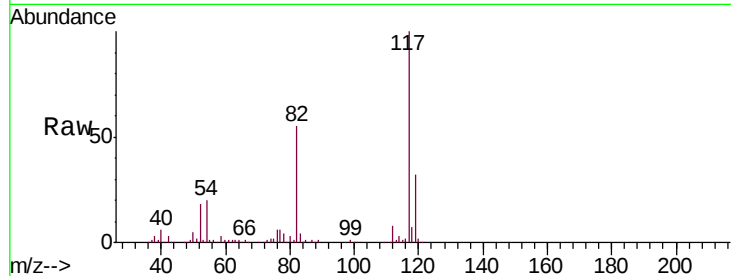
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	699809		
82	54.6	44.2	66.2	
119	32.1	25.9	38.9	

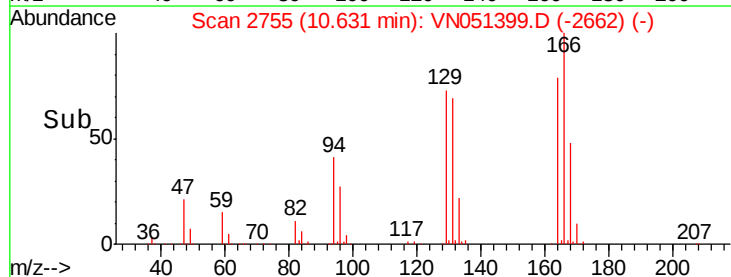
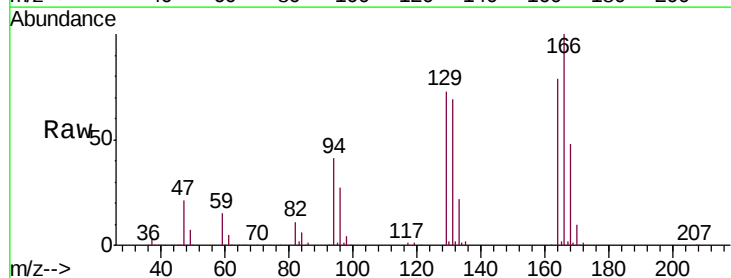
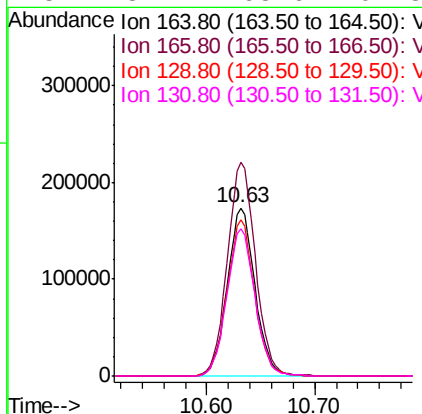
Manual Integrations
APPROVED

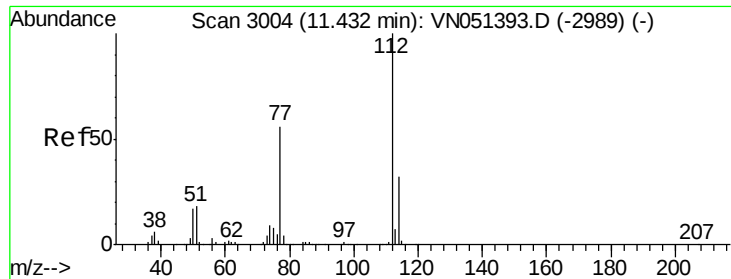
MMDadoda
9/24/2018 2:15:24 PM



#64
Tetrachloroethene
Concen: 48.742 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	309564		
166	127.1	102.3	153.5	
129	93.0	71.8	107.8	
131	87.7	68.6	102.8	





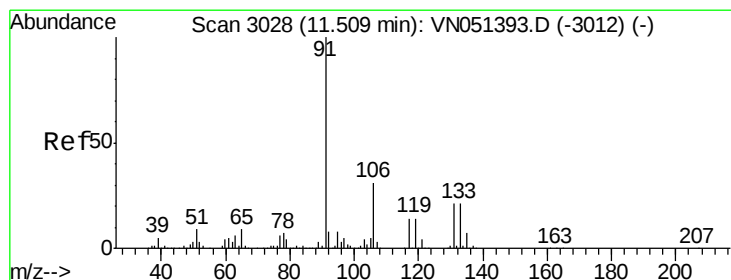
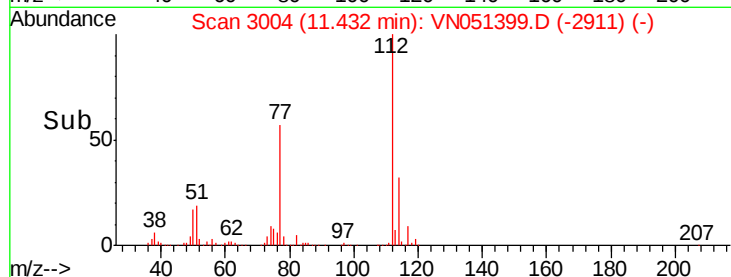
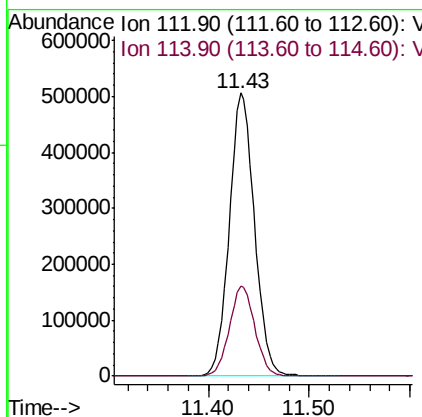
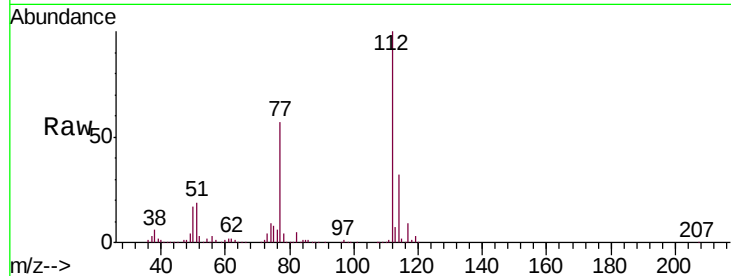
#65
Chlorobenzene
Concen: 48.953 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion:112 Resp: 878939
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2

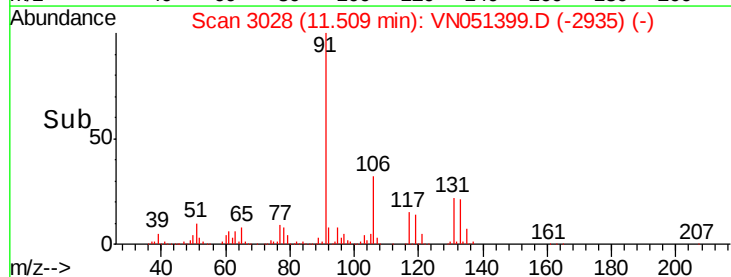
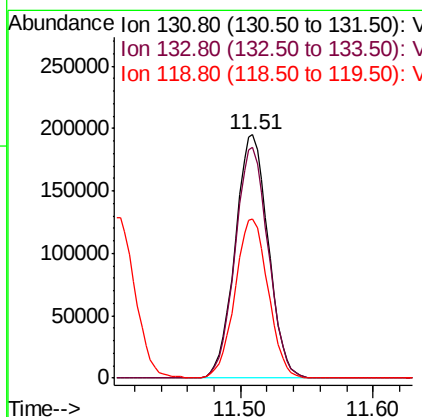
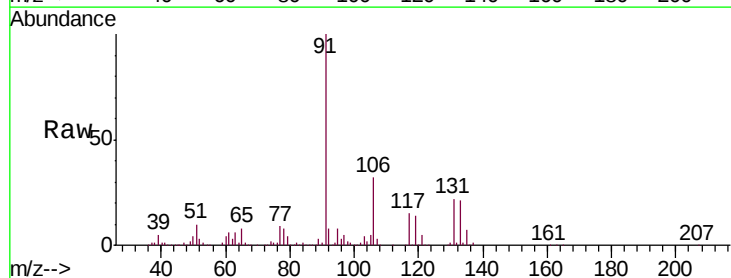
Manual Integrations
APPROVED

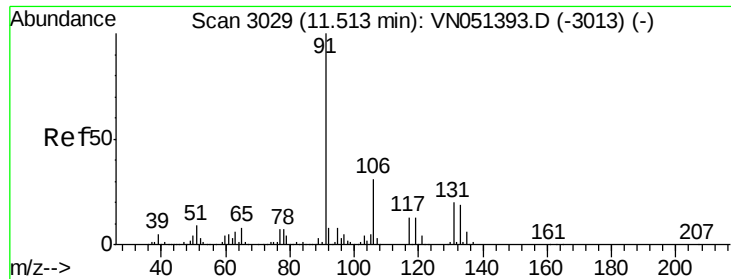
MMDadoda
9/24/2018 2:15:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.540 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion:131 Resp: 338882
Ion Ratio Lower Upper
131 100
133 94.8 48.3 144.8
119 65.2 32.8 98.4





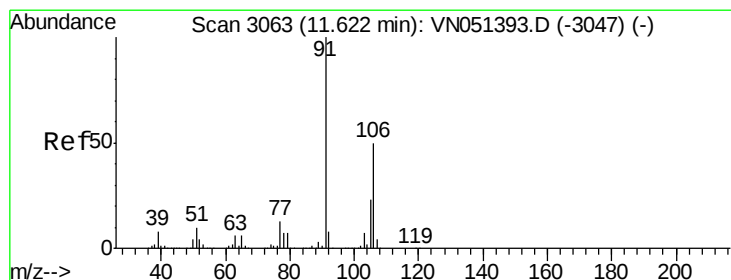
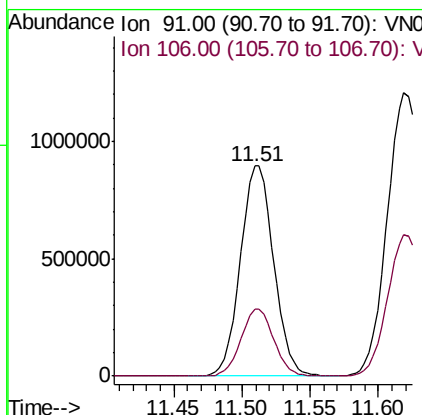
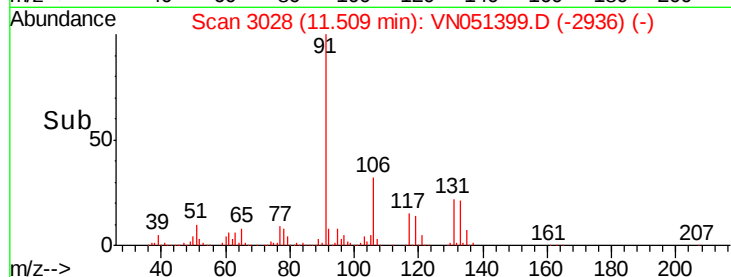
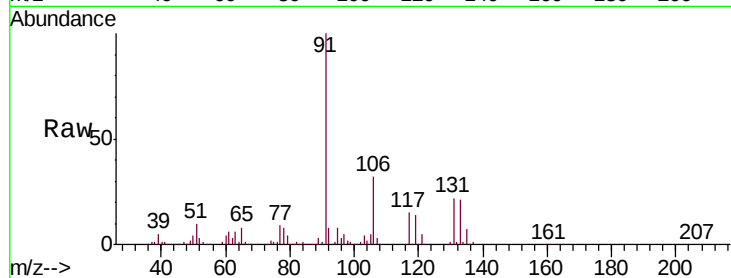
#67
Ethyl Benzene
Concen: 50.292 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion: 91 Resp: 1521786
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4

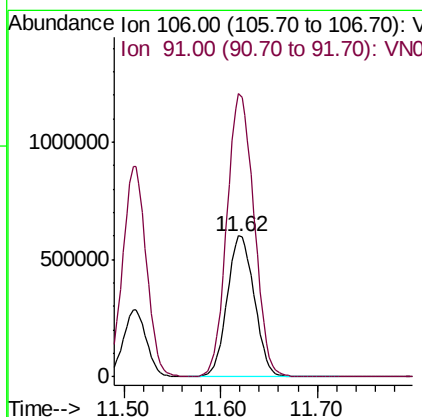
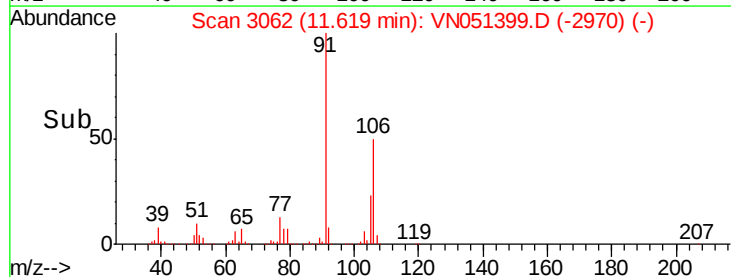
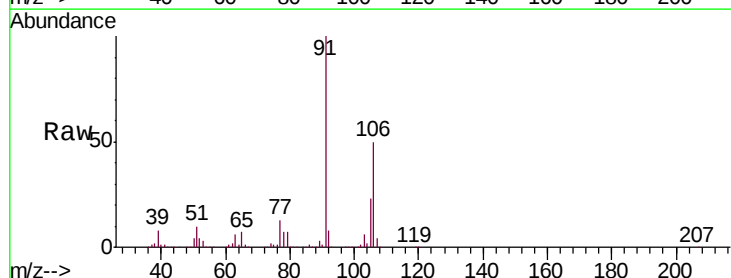
Manual Integrations
APPROVED

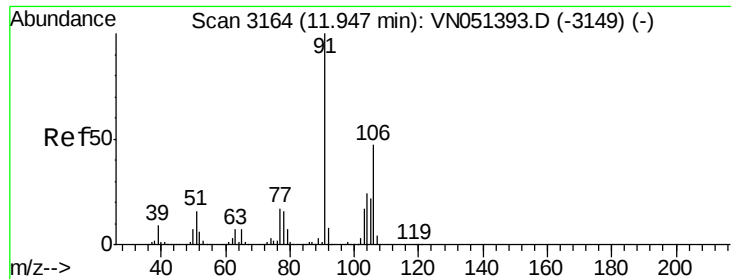
MMDadoda
9/24/2018 2:15:24 PM



#68
m/p-Xylenes
Concen: 100.208 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion: 106 Resp: 1172858
Ion Ratio Lower Upper
106 100
91 201.2 161.3 241.9





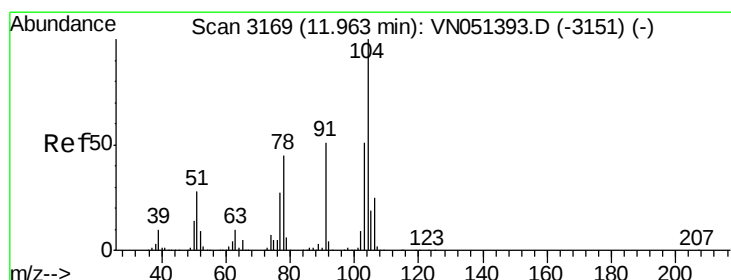
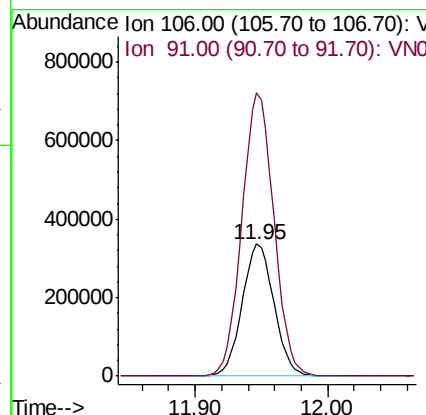
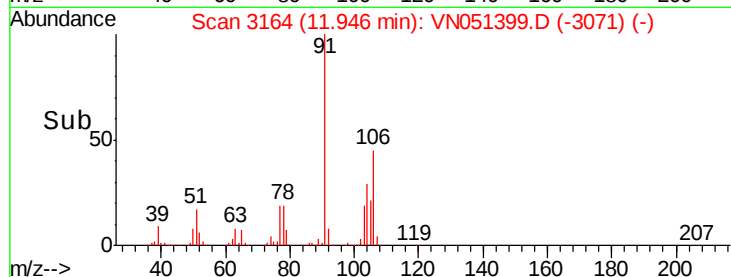
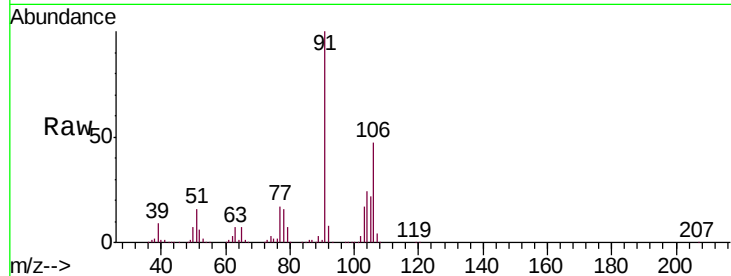
#69
o-Xylene
Concen: 49.884 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampled :
ICVVN092318

Tgt Ion	Ratio	Lower	Upper
106	100		
91	215.4	105.3	315.9

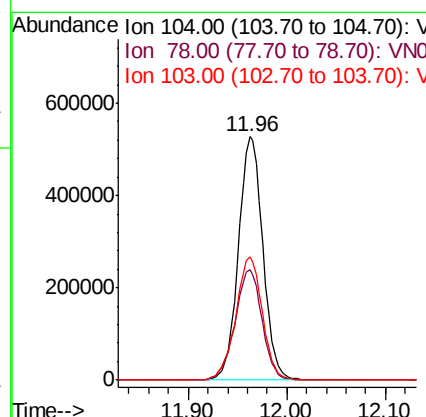
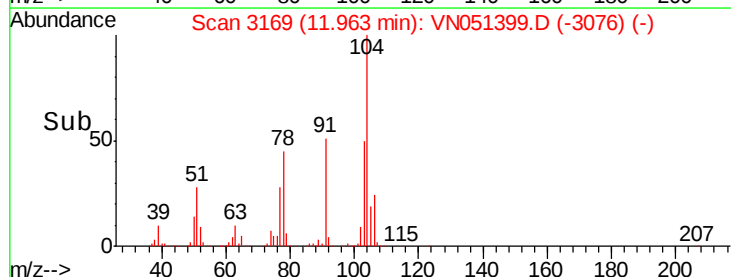
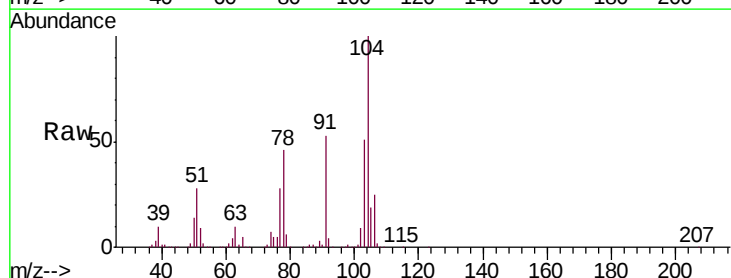
Manual Integrations
APPROVED

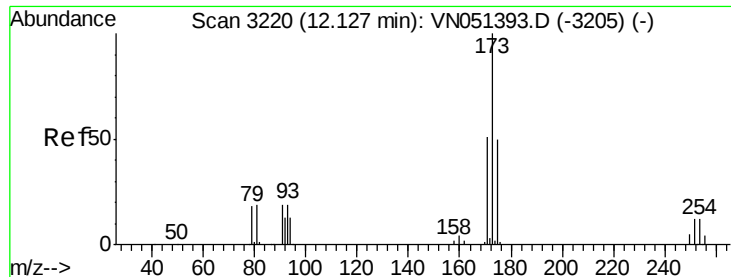
MMDadoda
9/24/2018 2:15:24 PM



#70
Styrene
Concen: 50.859 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	39.9	59.9
103	55.1	44.6	66.8





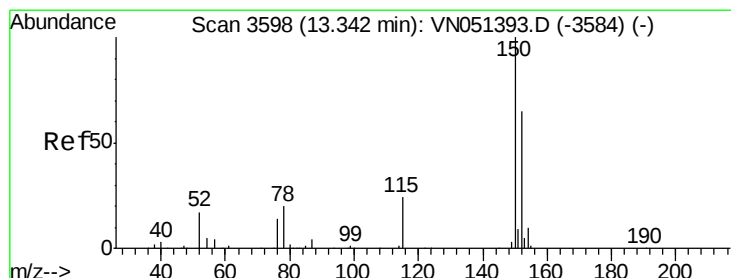
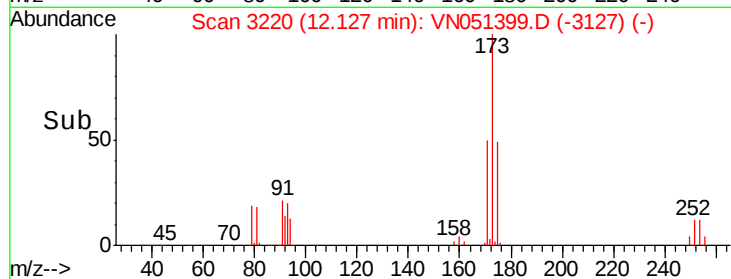
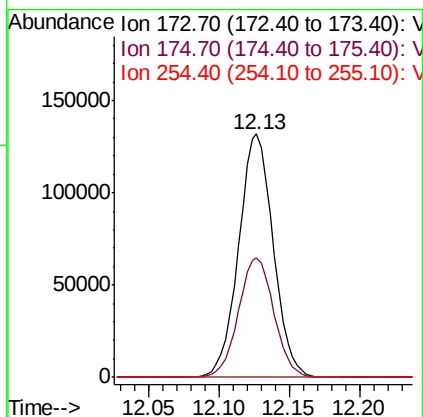
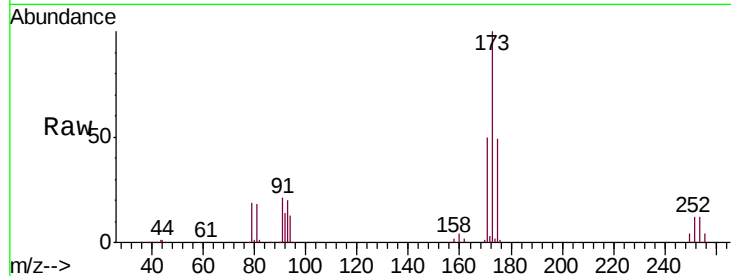
#71
Bromoform
Concen: 48.787 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.4	24.8	74.3
254	0.1	0.2	0.2

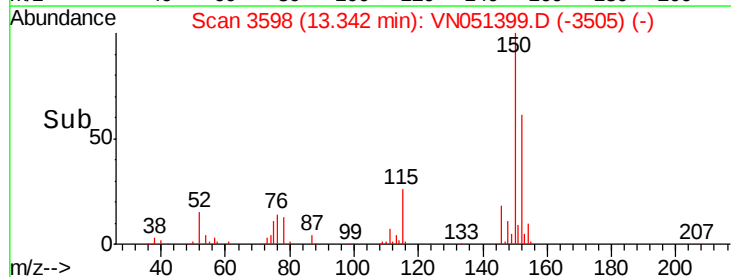
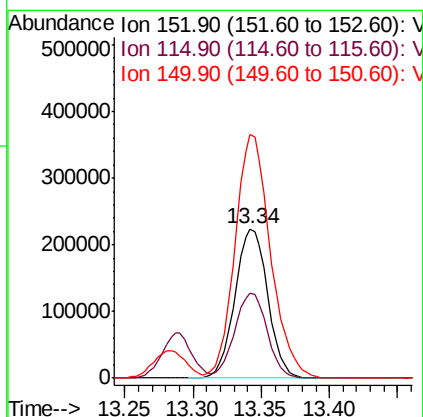
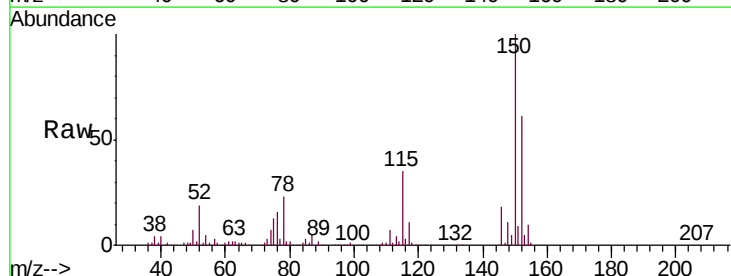
Manual Integrations
APPROVED

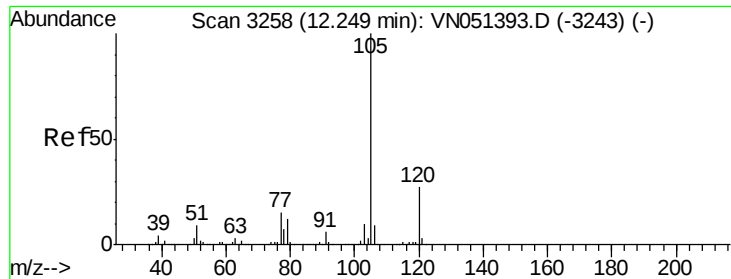
MMDadoda
9/24/2018 2:15:24 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	84.9
150	176.8	0.0	353.6





#73

Isopropylbenzene

Concen: 48.416 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampled :

ICVVN092318

Tgt Ion: 105 Resp: 1521983

Ion Ratio Lower Upper

105 100

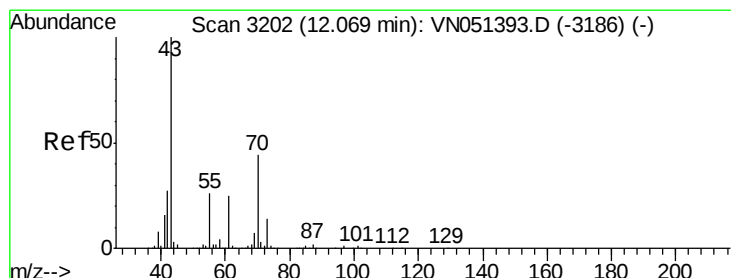
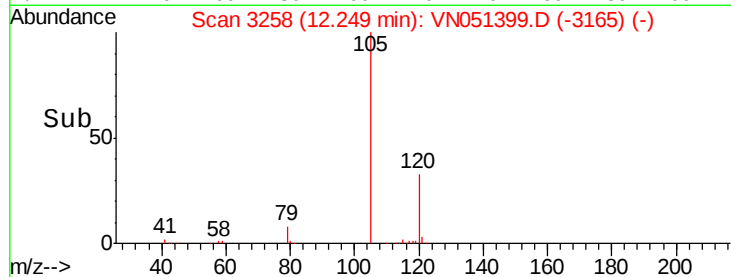
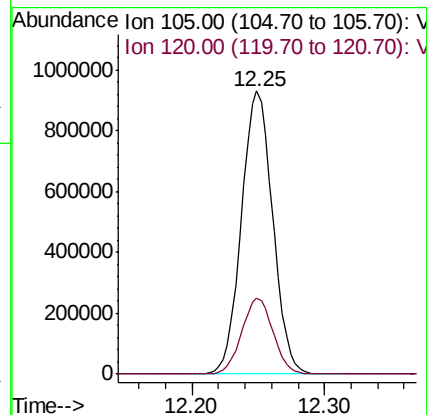
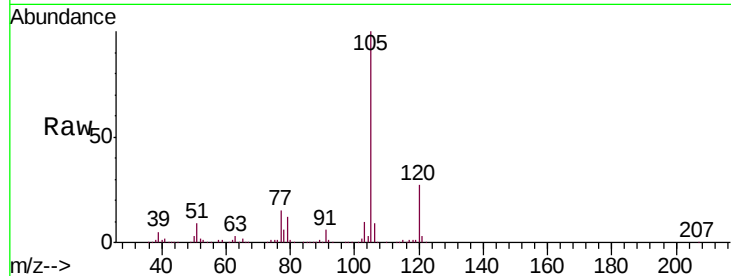
120 26.8 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

9/24/2018 2:15:24 PM



#74

N-ethyl acetate

Concen: 49.239 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion: 43 Resp: 388366

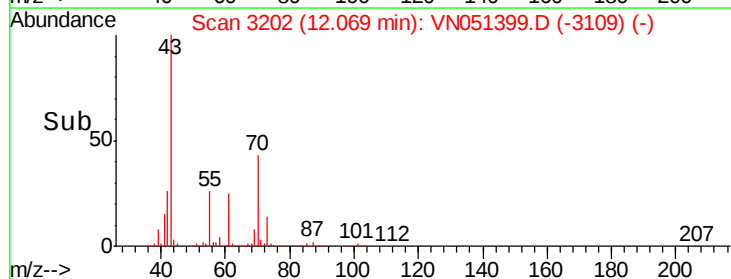
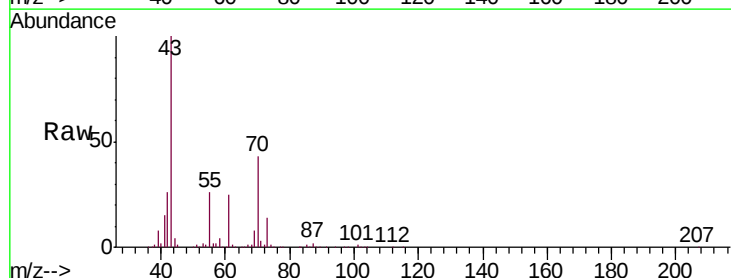
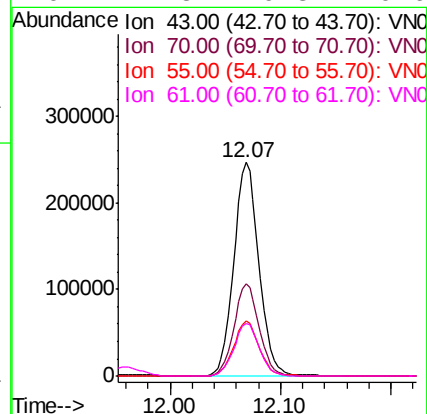
Ion Ratio Lower Upper

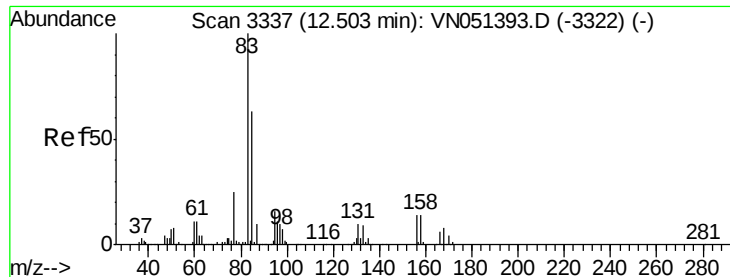
43 100

70 43.2 35.0 52.4

55 26.2 21.4 32.2

61 24.8 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.024 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

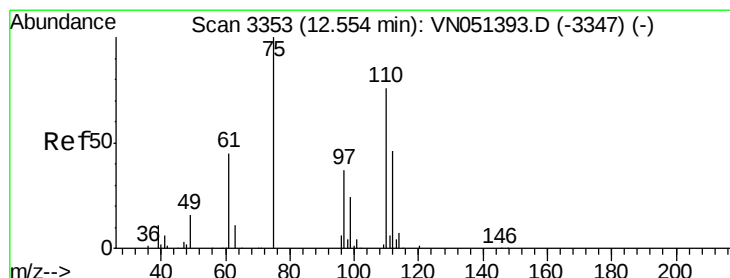
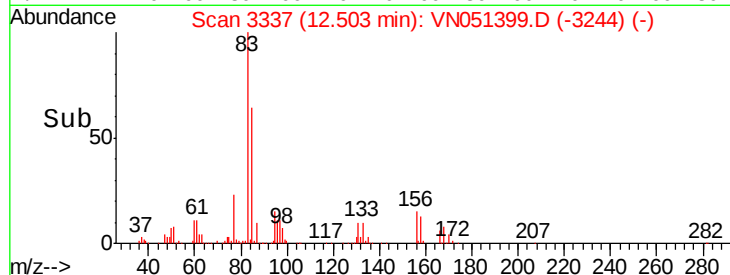
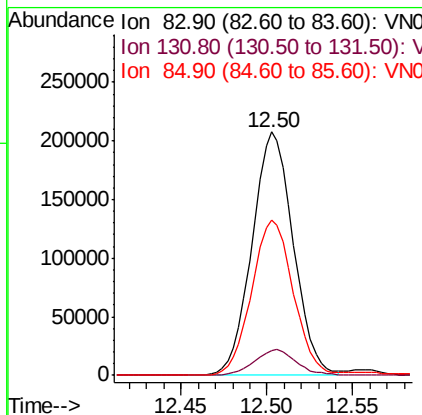
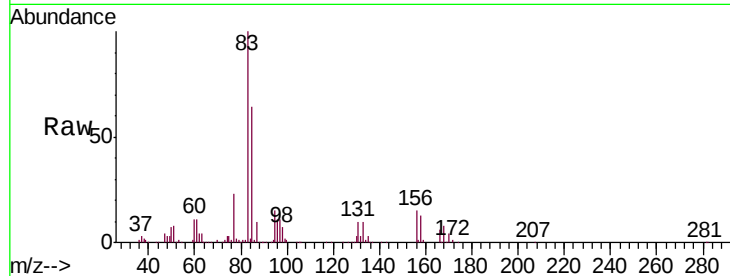
ClientSampleId :

ICVVN092318

Tgt Ion:	83	Resp:	344709
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	64.4	31.6	95.0

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#76

1,2,3-Trichloropropane

Concen: 49.749 ug/l m

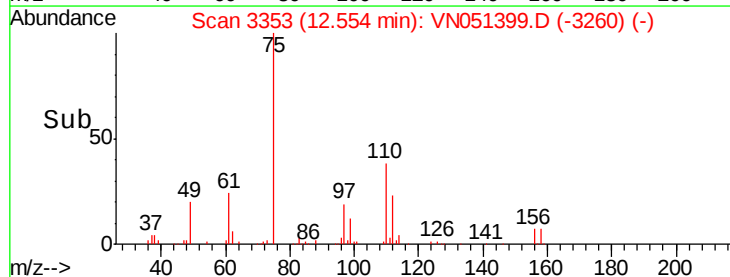
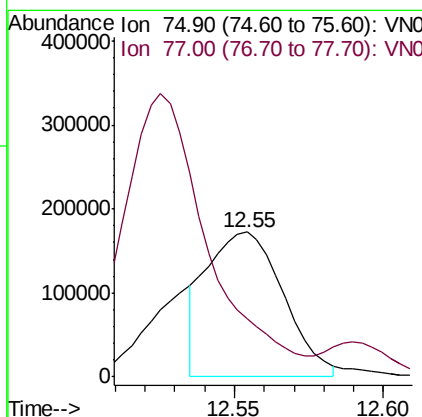
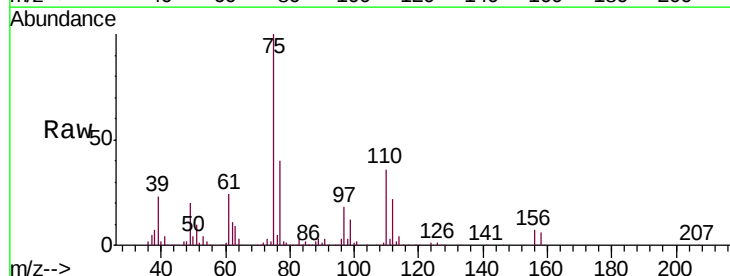
RT: 12.55 min Scan# 3353

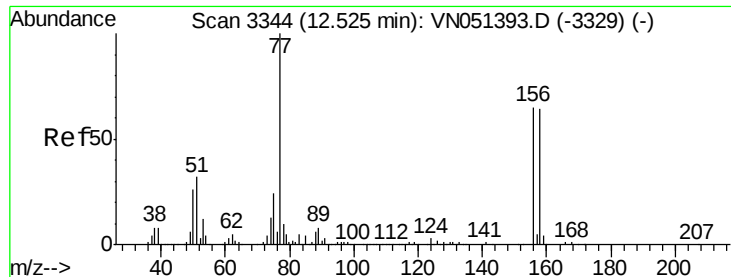
Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion:	75	Resp:	307699
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.156 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

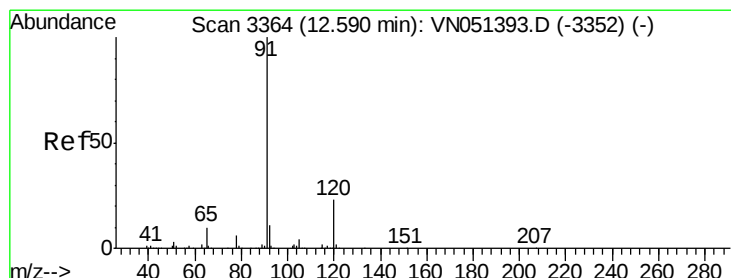
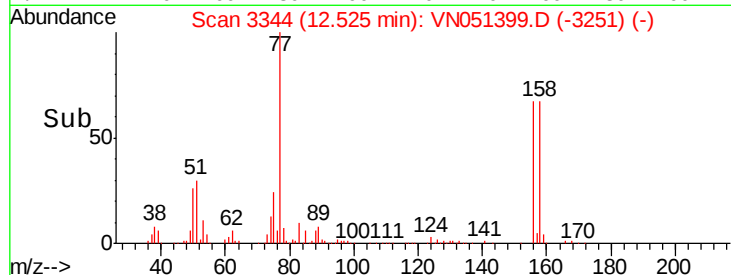
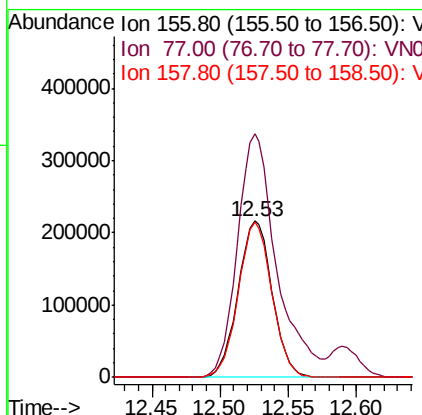
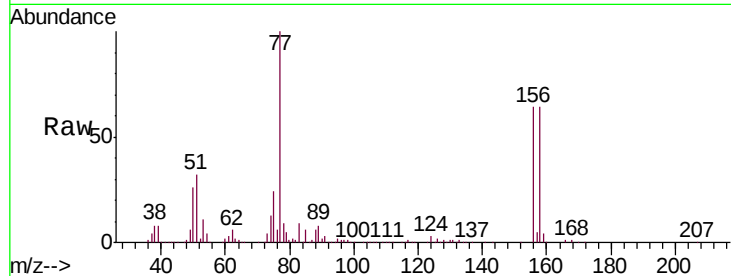
ClientSampled :

ICVVN092318

Tgt Ion:	156	Resp:	375265
Ion Ratio	Lower	Upper	
156	100		
77	180.0	89.5	268.4
158	97.5	49.4	148.2

Manual Integrations
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#78

n-propylbenzene

Concen: 48.404 ug/l

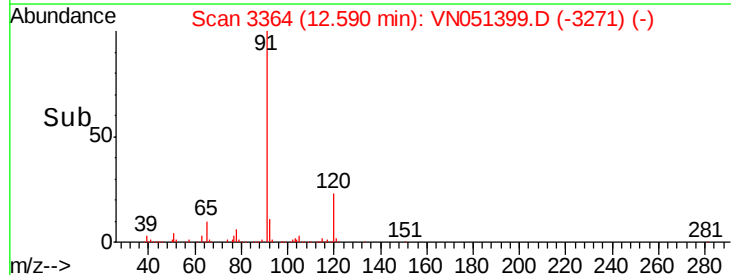
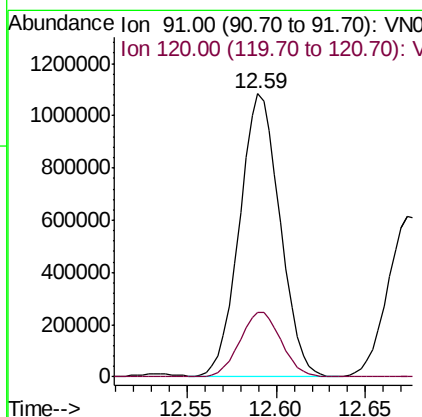
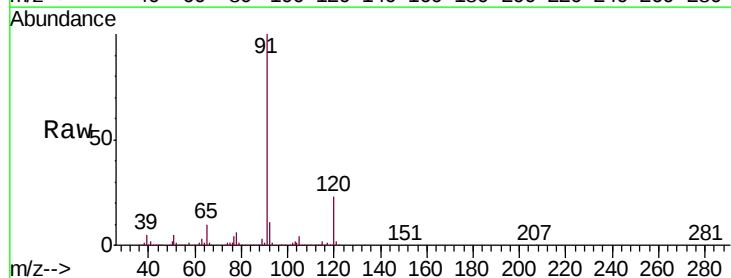
RT: 12.59 min Scan# 3364

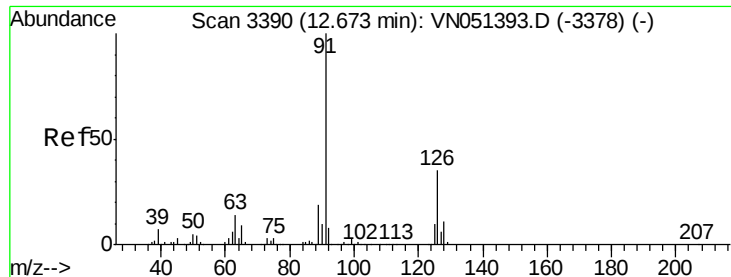
Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion:	91	Resp:	1714898
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.5





#79

2-Chlorotoluene

Concen: 47.734 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092318

Tgt Ion: 91 Resp: 1012313

Ion Ratio Lower Upper

91 100

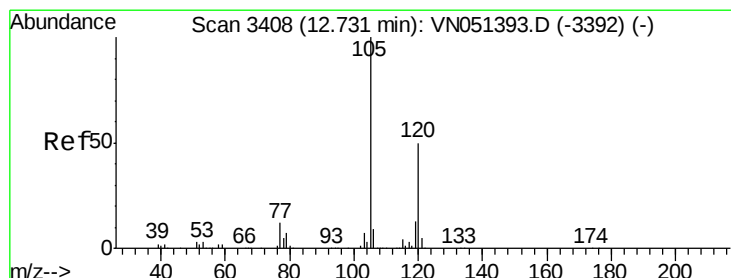
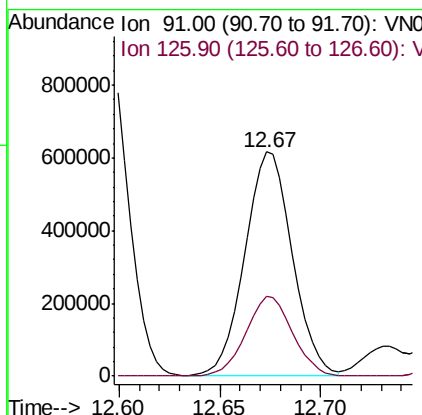
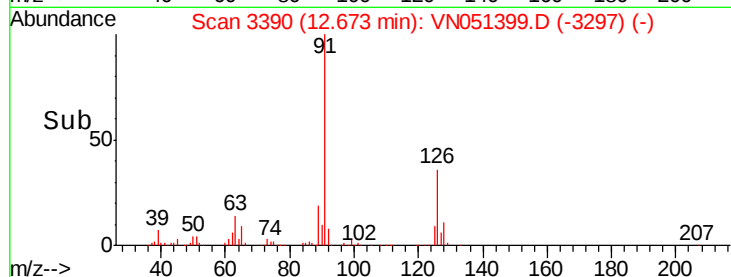
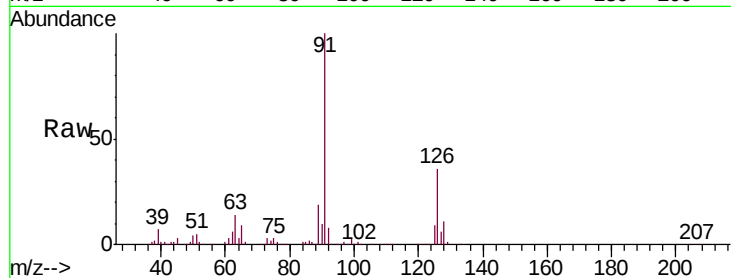
126 35.3 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.862 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051399.D

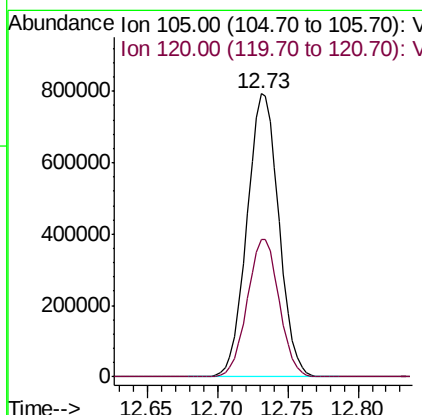
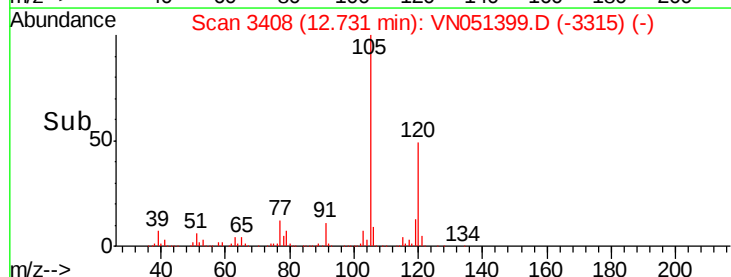
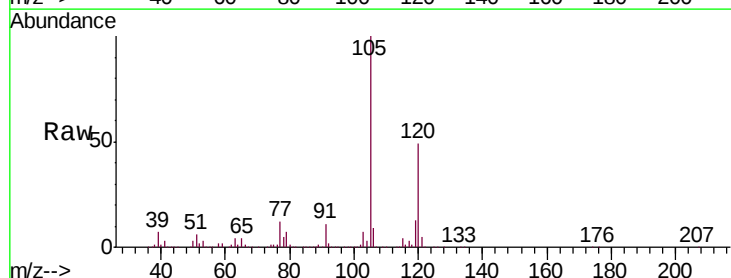
Acq: 22 Sep 2018 15:56

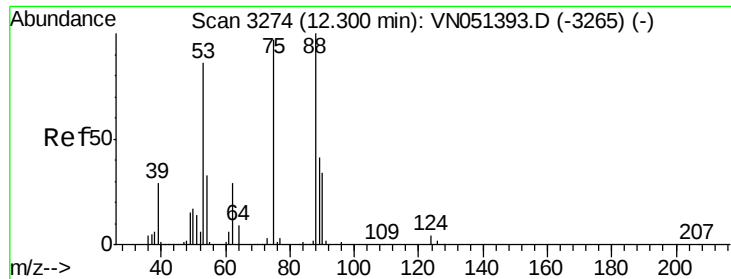
Tgt Ion: 105 Resp: 1252477

Ion Ratio Lower Upper

105 100

120 48.9 24.8 74.4





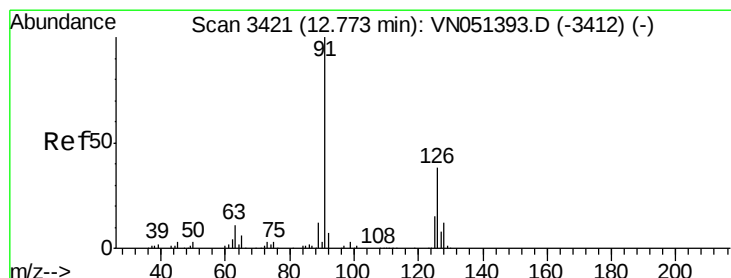
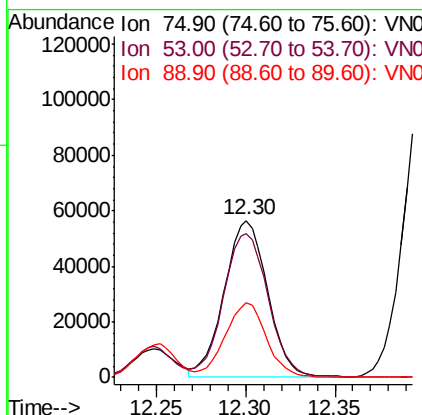
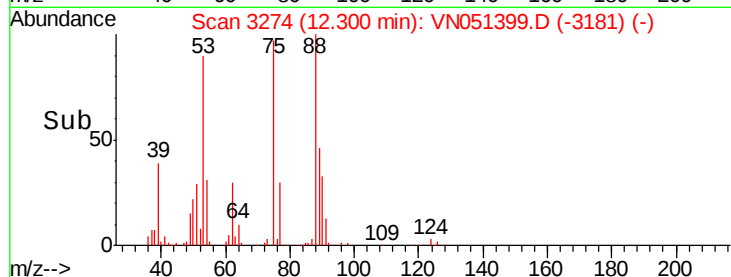
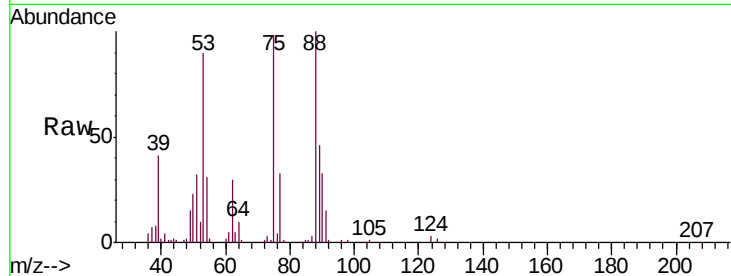
#81
trans-1,4-Dichloro-2-butene
Concen: 47.115 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Lower	Upper
75	100		
53	95.2	73.9	110.9
89	45.7	36.7	55.1

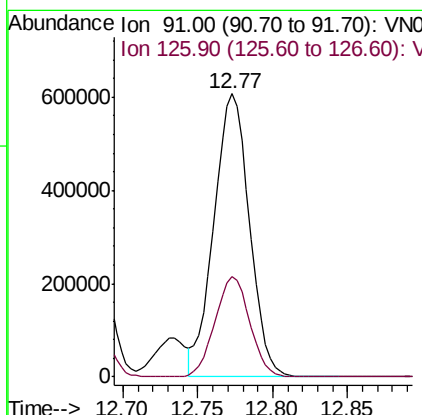
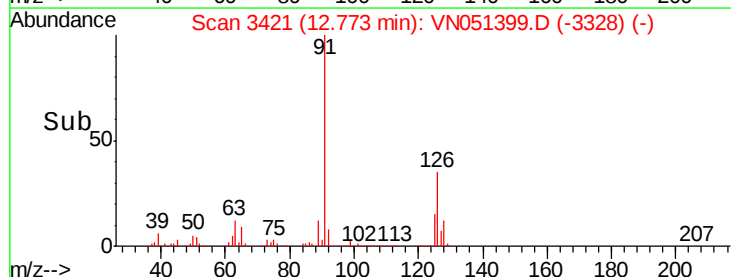
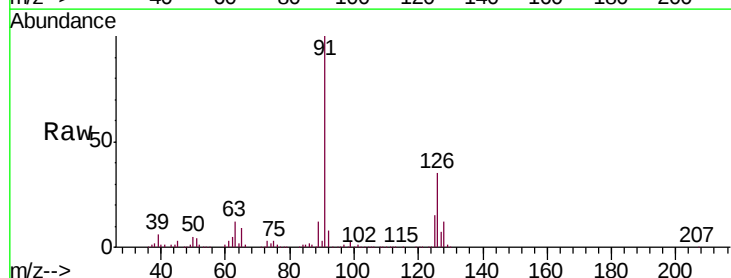
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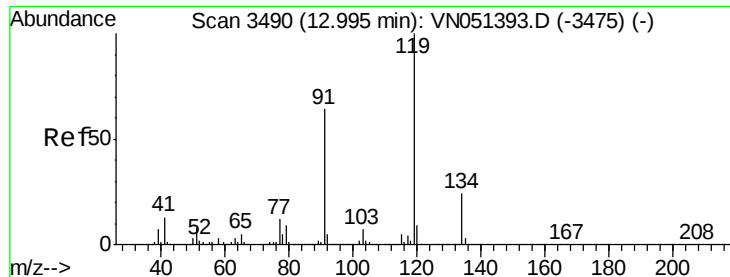
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#82
4-Chlorotoluene
Concen: 47.370 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.5	52.5





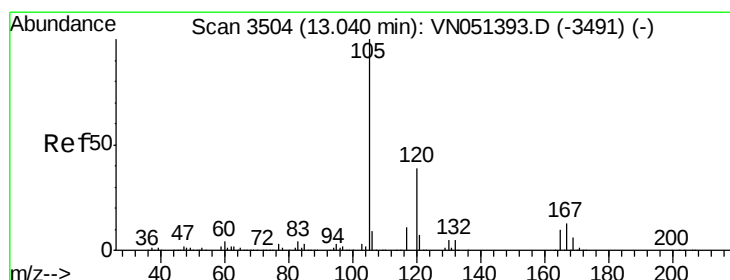
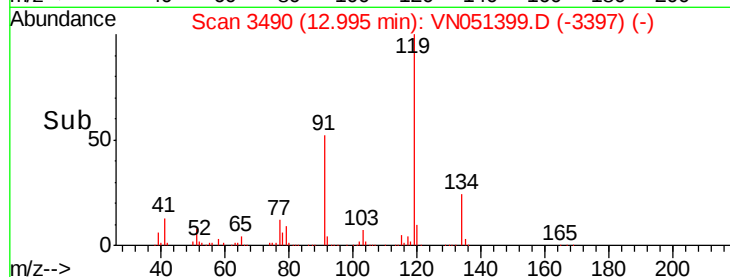
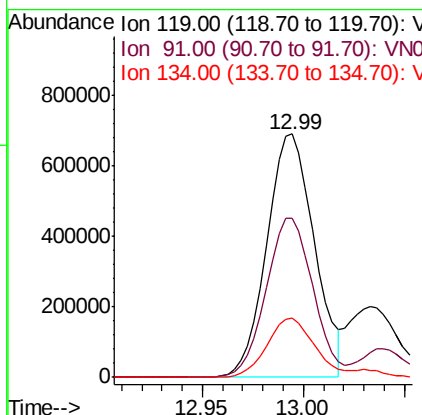
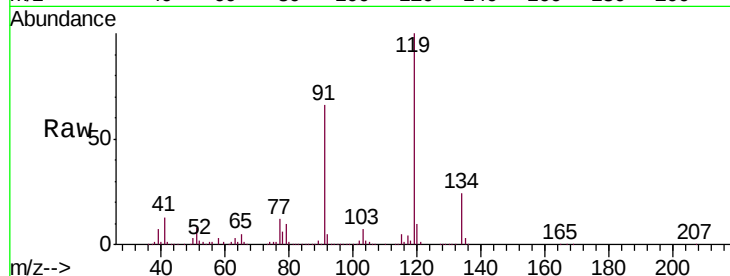
#83
 tert-Butylbenzene
 Concen: 49.668 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092318

Tgt Ion:119 Resp: 1133201
 Ion Ratio Lower Upper
 119 100
 91 64.6 31.7 95.1
 134 24.5 12.3 36.9

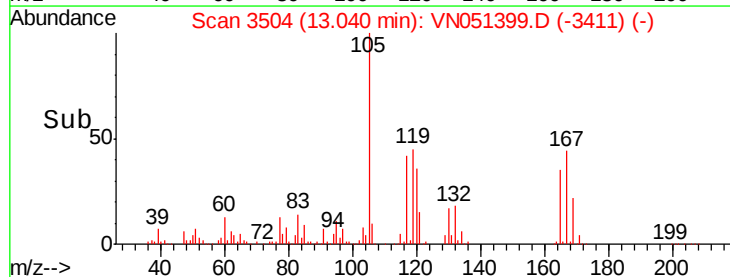
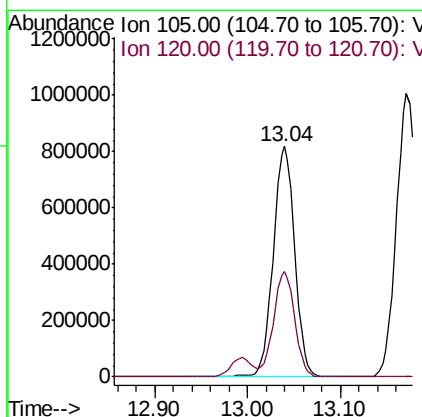
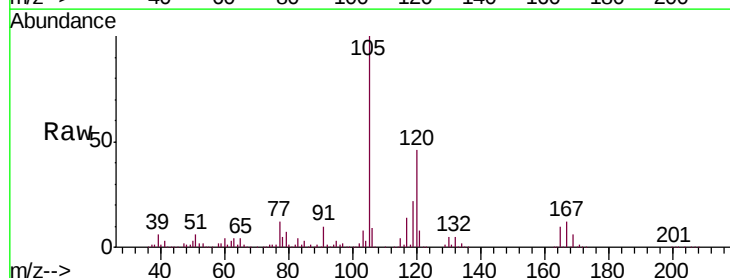
Manual Integrations
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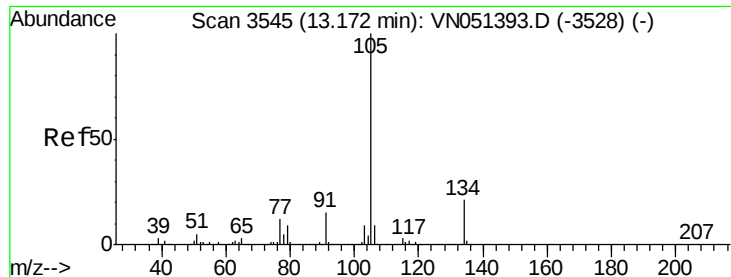
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.001 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Tgt Ion:105 Resp: 1317350
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 50.751 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

ClientSampled :

ICVVN092318

Tgt Ion:105 Resp: 1566463

Ion Ratio Lower Upper

105 100

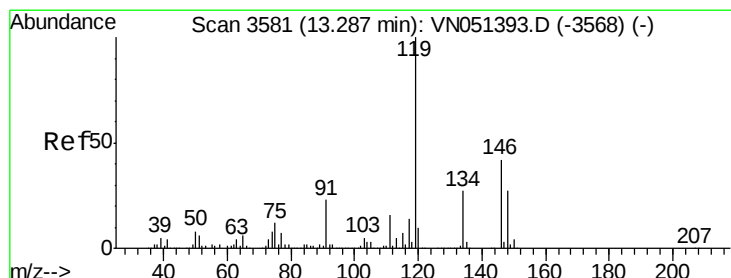
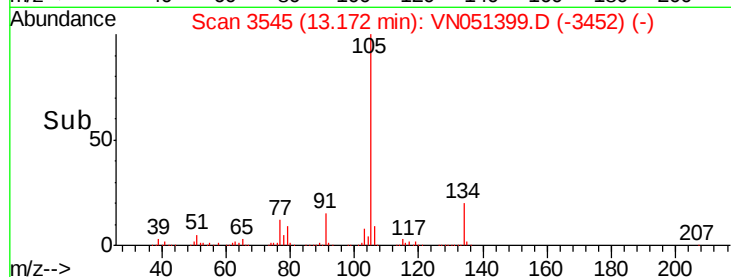
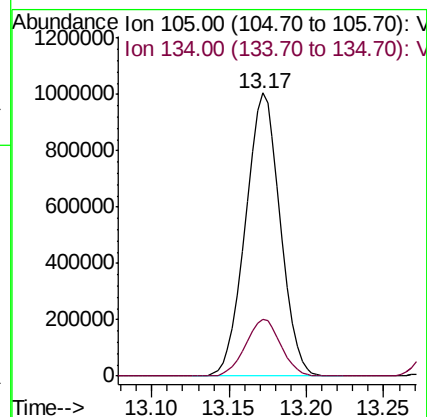
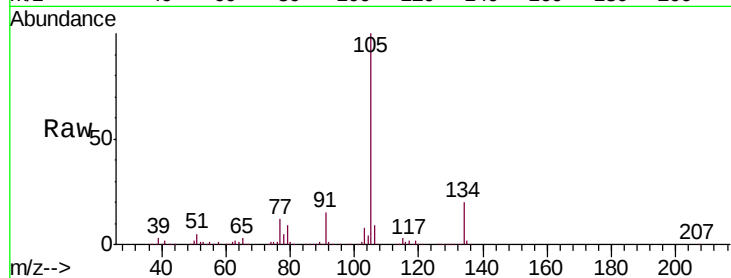
134 20.3 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.944 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

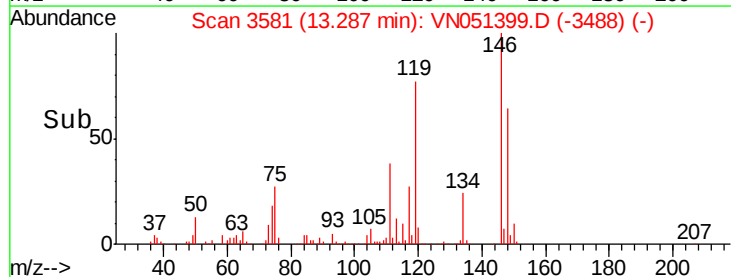
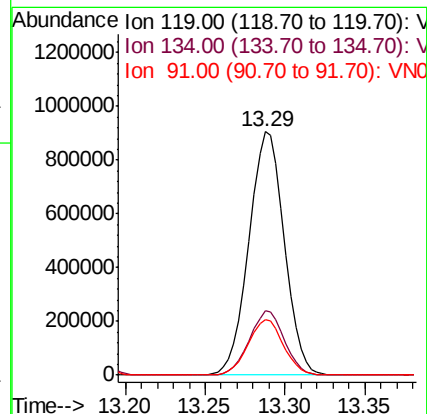
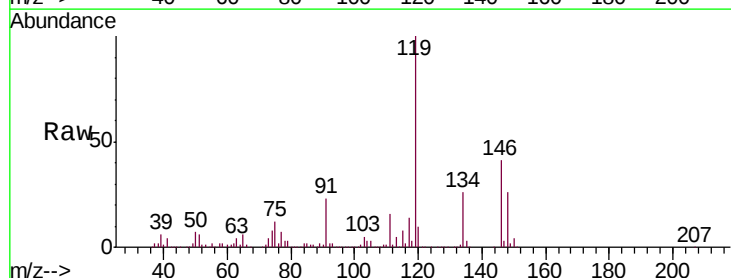
Tgt Ion:119 Resp: 1360595

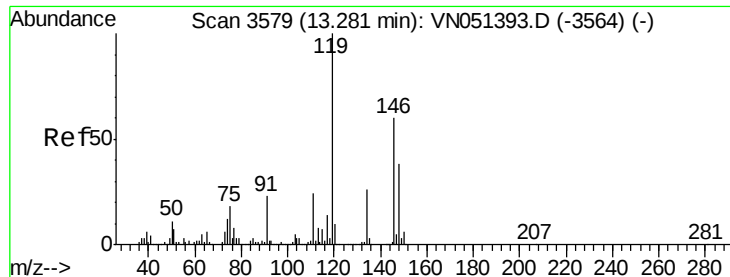
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 48.954 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

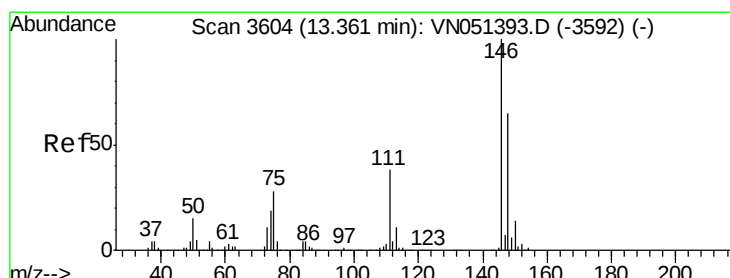
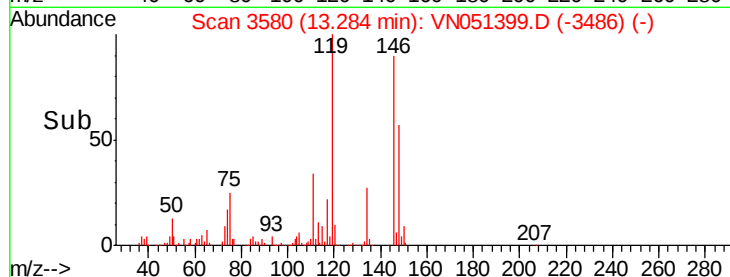
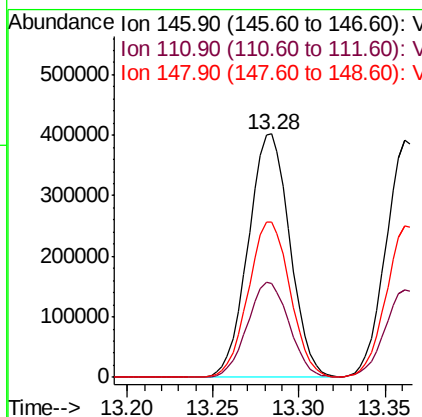
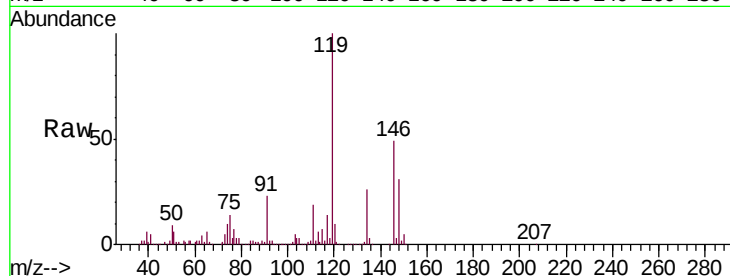
ClientSampleId :

ICVVN092318

Tgt Ion:	146	Resp:	674157
Ion Ratio	Lower	Upper	
146	100		
111	39.2	19.7	59.1
148	64.3	31.9	95.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.214 ug/l

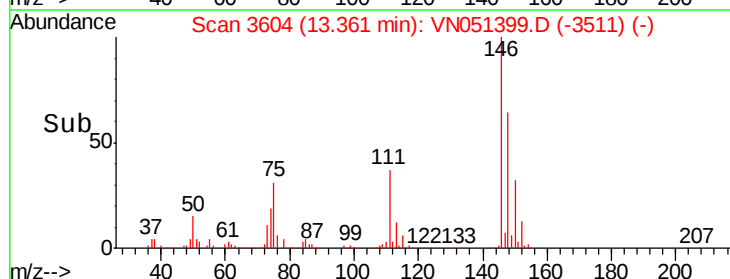
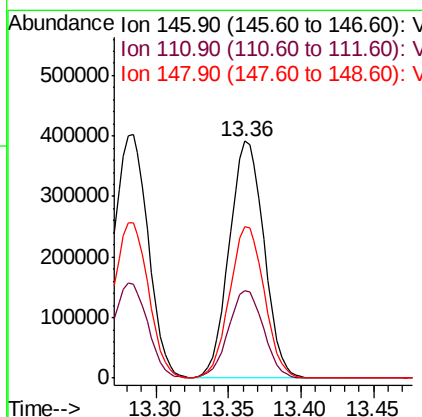
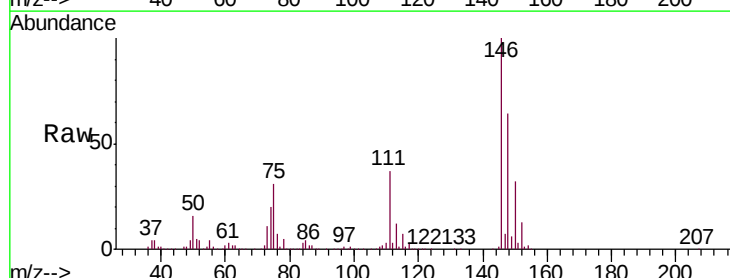
RT: 13.36 min Scan# 3604

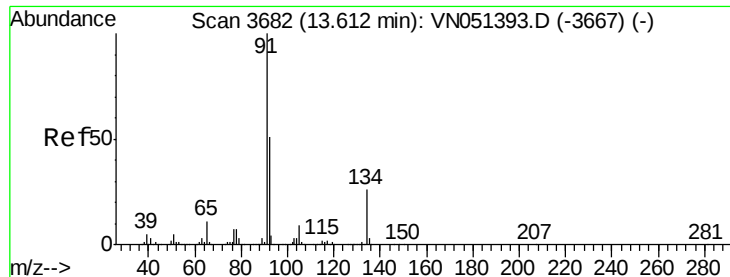
Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion:	146	Resp:	652117
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.1
148	64.1	32.5	97.5





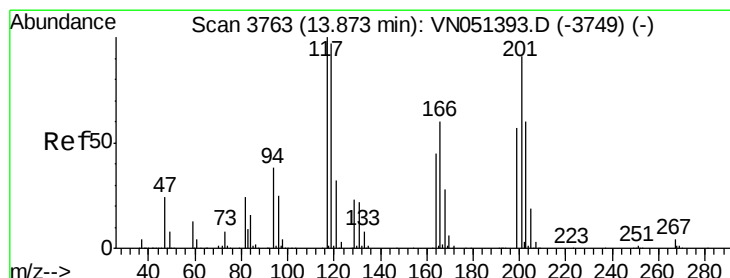
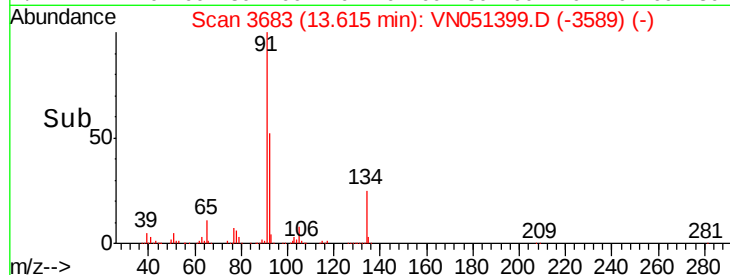
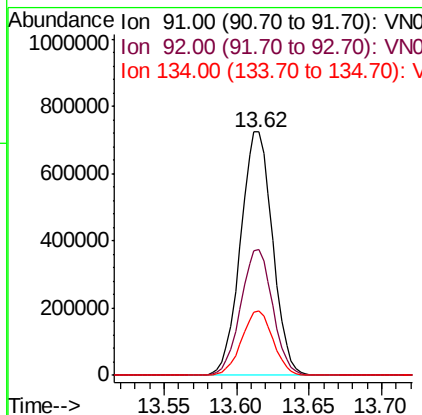
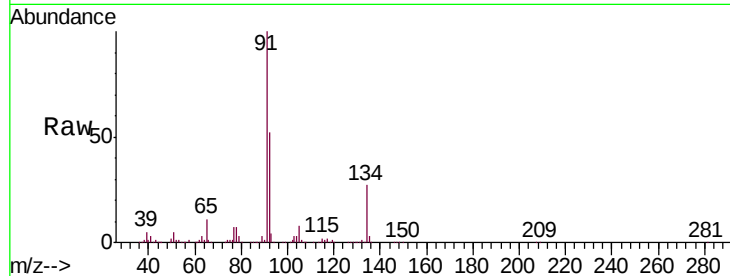
#89
n-Butylbenzene
Concen: 50.630 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion: 91 Resp: 1111935
Ion Ratio Lower Upper
91 100
92 51.6 25.5 76.5
134 26.0 13.3 39.8

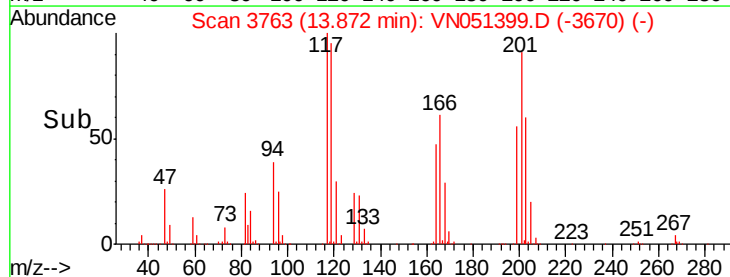
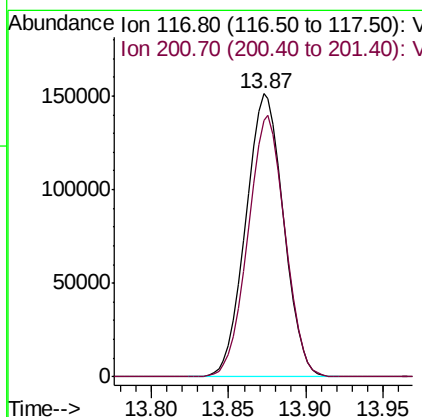
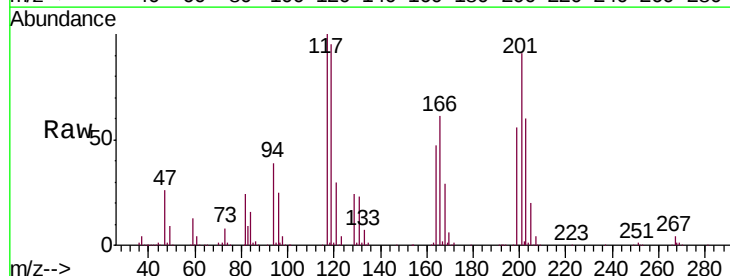
Manual Integrations
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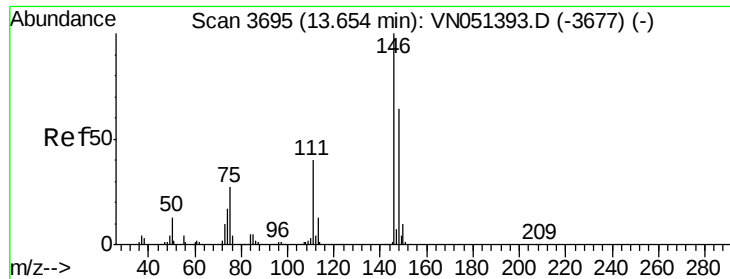
MMDadoda
9/24/2018 2:15:24 PM



#90
Hexachloroethane
Concen: 48.440 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion: 117 Resp: 257770
Ion Ratio Lower Upper
117 100
201 90.3 45.5 136.4





#91

1,2-Dichlorobenzene

Concen: 49.088 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Instrument :

MSVOA_N

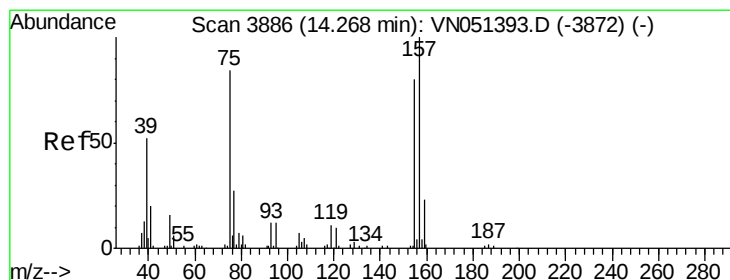
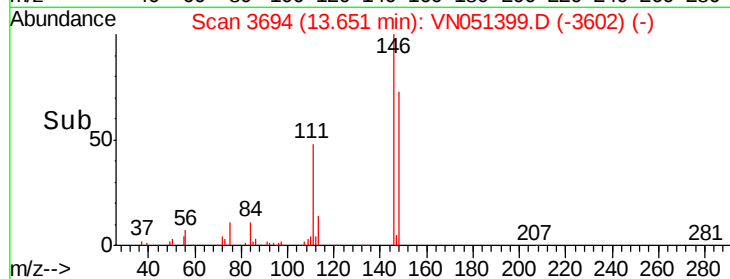
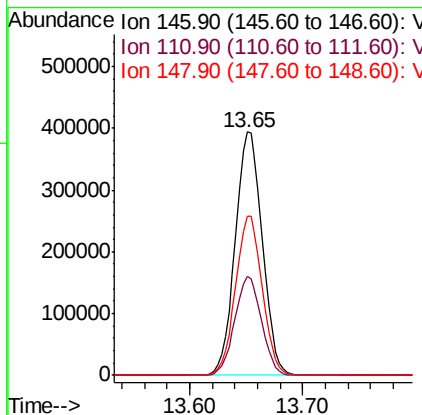
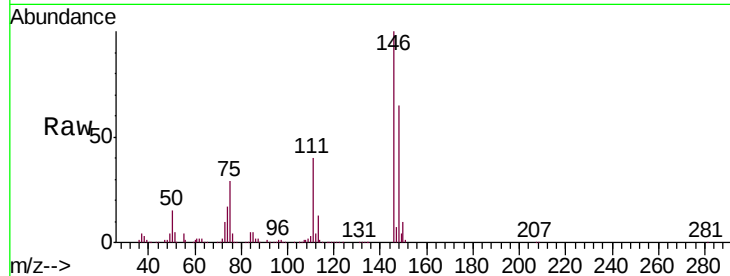
ClientSampleId :

ICVVN092318

Tgt Ion:	146	Resp:	655906
Ion Ratio		Lower	Upper
146	100		
111	40.1	20.0	60.0
148	64.6	32.1	96.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 49.384 ug/l

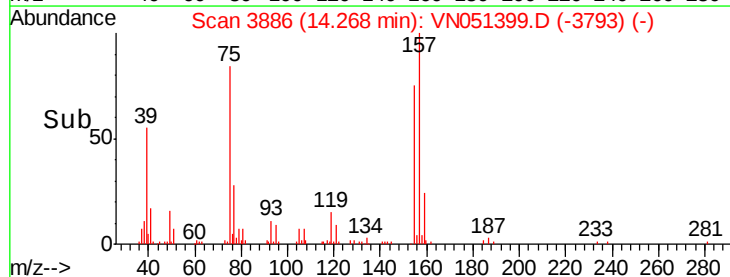
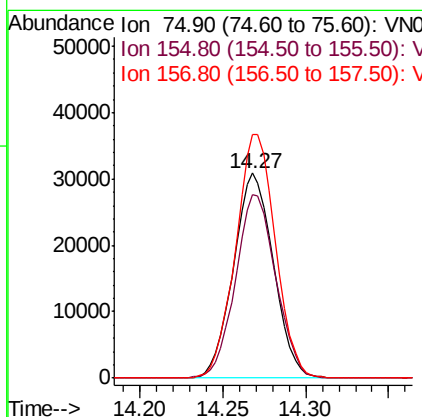
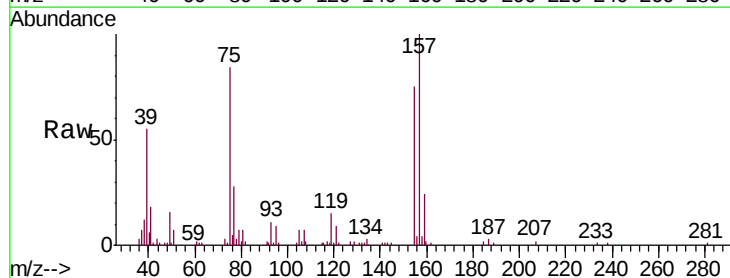
RT: 14.27 min Scan# 3886

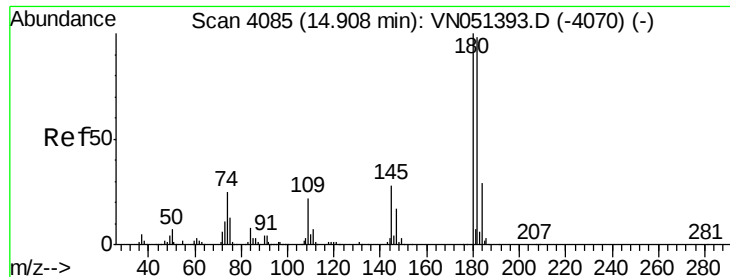
Delta R.T. -0.00 min

Lab File: VN051399.D

Acq: 22 Sep 2018 15:56

Tgt Ion:	75	Resp:	51663
Ion Ratio		Lower	Upper
75	100		
155	90.3	46.9	140.6
157	118.6	58.4	175.1





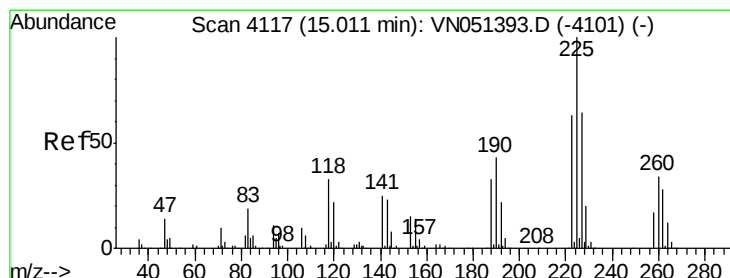
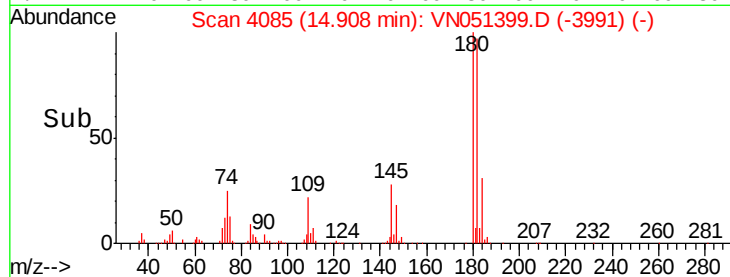
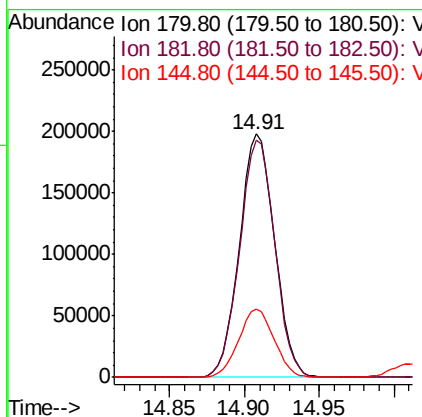
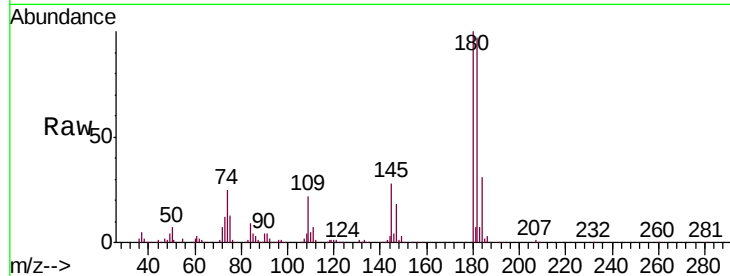
#93
 1,2,4-Trichlorobenzene
 Concen: 45.634 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092318

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	324457		
182	97.4	48.5	145.6	
145	28.3	14.1	42.4	

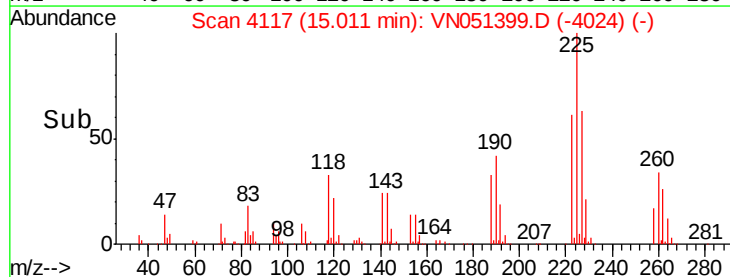
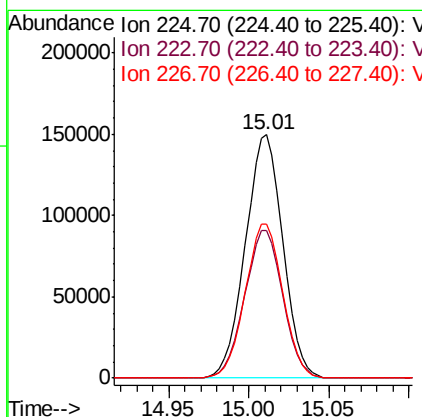
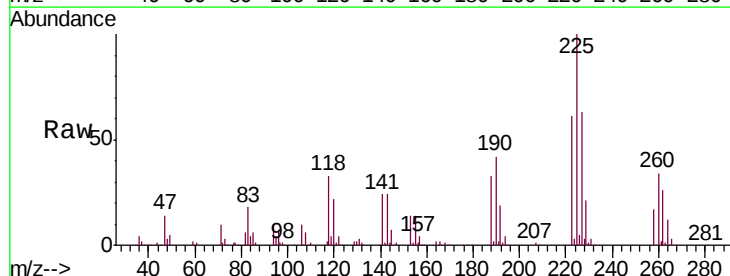
Manual Integrations
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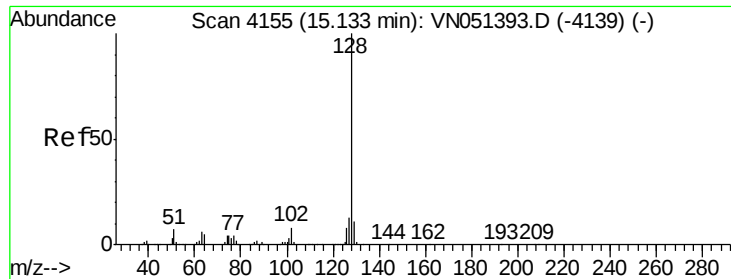
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#94
 Hexachlorobutadiene
 Concen: 47.495 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051399.D
 Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	240111		
223	61.6	31.9	95.9	
227	63.5	32.5	97.5	





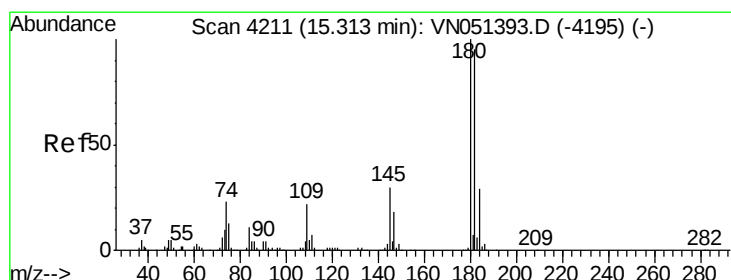
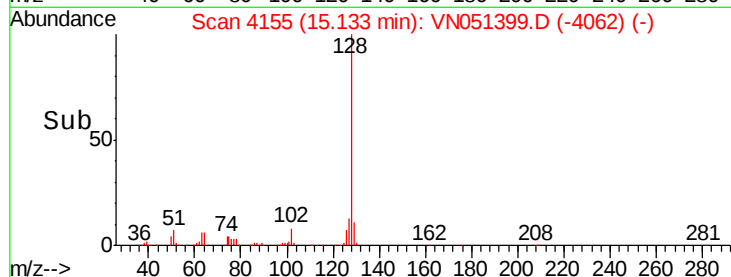
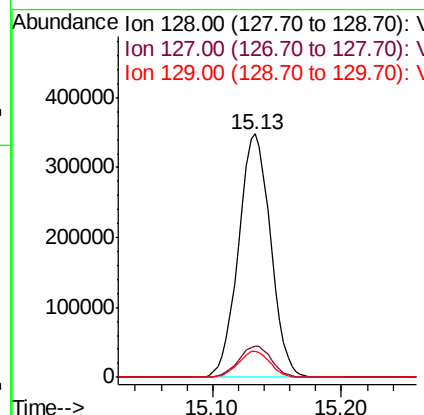
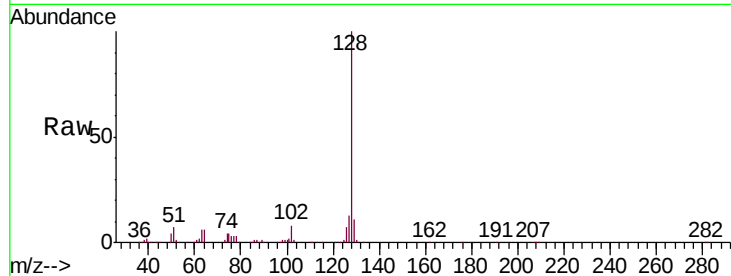
#95
Naphthalene
Concen: 44.522 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092318

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	602203		
127	13.3	10.5	15.7	
129	10.6	8.6	12.8	

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#96
1,2,3-Trichlorobenzene
Concen: 49.471 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051399.D
Acq: 22 Sep 2018 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	317224		
182	95.1	47.2	141.6	
145	29.5	14.6	43.8	

