

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062421\
 Data File : VN067495.D
 Acq On : 24 Jun 2021 20:09
 Operator : JC/MD
 Sample : M2828-13
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 25 02:16:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062421W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 24 12:18:45 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

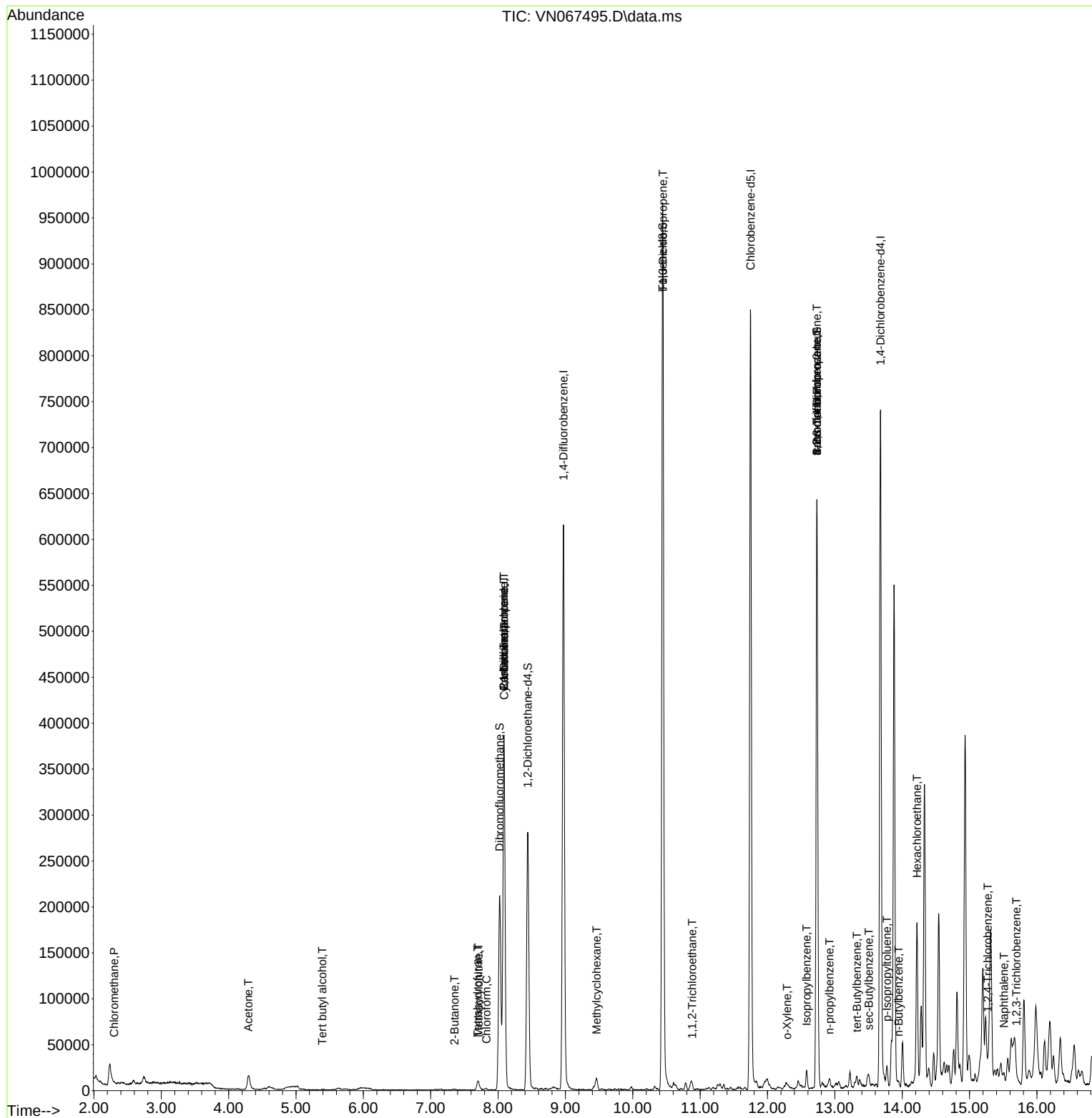
Internal Standards						
1) Pentafluorobenzene	8.088	168	229153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	488087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	439876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	161301	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	235349	50.18	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.36%			
35) Dibromofluoromethane	8.024	113	151789	50.48	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.96%			
50) Toluene-d8	10.443	98	660164	51.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.94%			
62) 4-Bromofluorobenzene	12.733	95	233336	51.07	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.14%			
Target Compounds						Qvalue
3) Chloromethane	2.301	50	1085	0.25	ug/l	94
11) Tert butyl alcohol	5.390	59	193	0.25	ug/l #	71
16) Acetone	4.293	43	28674	15.97	ug/l	92
25) 2-Butanone	7.353	43	1182	0.42	ug/l #	51
29) Tetrahydrofuran	7.697	42	8768	4.96	ug/l #	81
30) Chloroform	7.828	83	1859	0.26	ug/l #	64
31) Cyclohexane	8.091	56	10275	1.37	ug/l #	46
36) 1,1-Dichloropropene	8.088	75	28755	5.23	ug/l #	46
38) Carbon Tetrachloride	8.088	117	29159	6.23	ug/l #	17
39) Methylcyclohexane	9.464	83	5710	0.90	ug/l #	75
41) Methacrylonitrile	7.710	41	5193	1.77	ug/l #	41
53) t-1,3-Dichloropropene	10.446	75	72	2.01	ug/l #	52
55) 1,1,2-Trichloroethane	10.883	97	2248	0.62	ug/l #	20
69) o-Xylene	12.291	106	1427	0.23	ug/l	78
71) Bromoform	12.733	173	1331	3.19	ug/l #	1
73) Isopropylbenzene	12.581	105	12356	0.75	ug/l	98
76) 1,2,3-Trichloropropane	12.733	75	136725	28.80	ug/l #	100
78) n-propylbenzene	12.921	91	7786	0.38	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.733	75	136725	78.81	ug/l #	6
83) tert-Butylbenzene	13.329	119	4933	0.47	ug/l	98
85) sec-Butylbenzene	13.503	105	8050	0.51	ug/l	99
86) p-Isopropyltoluene	13.774	119	10963	0.93	ug/l	94
89) n-Butylbenzene	13.946	91	3263	0.28	ug/l #	80
90) Hexachloroethane	14.219	117	8436	3.75	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.271	180	249	2.42	ug/l #	1
95) Naphthalene	15.512	128	7899	4.16	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.697	180	143	2.58	ug/l #	12

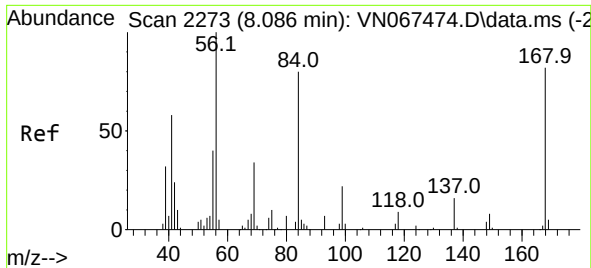
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

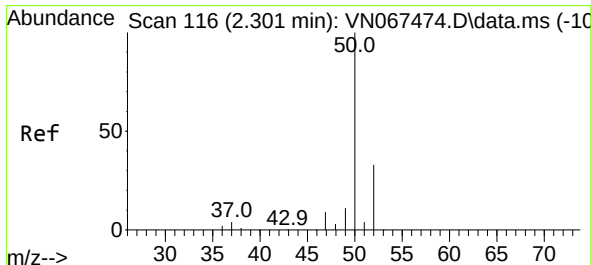
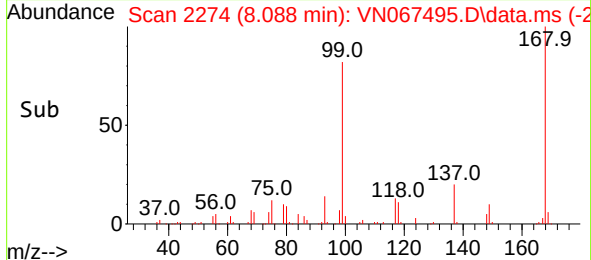
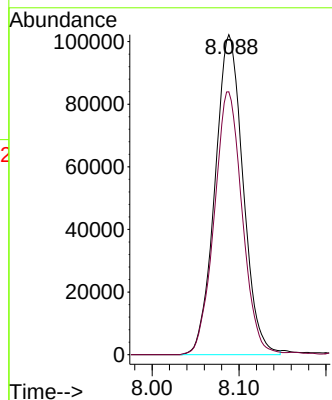
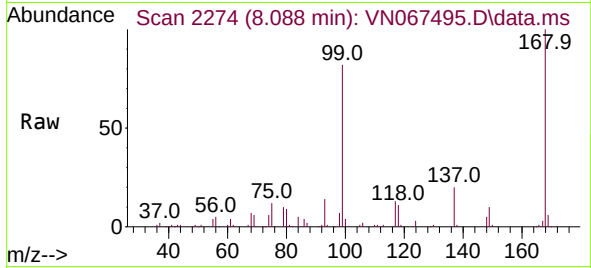




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

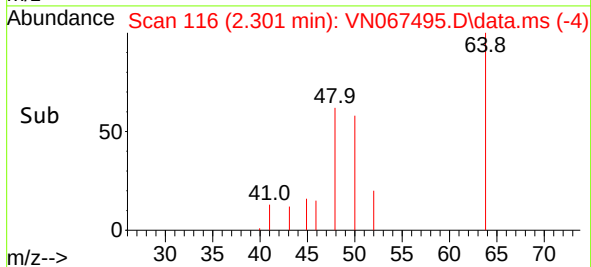
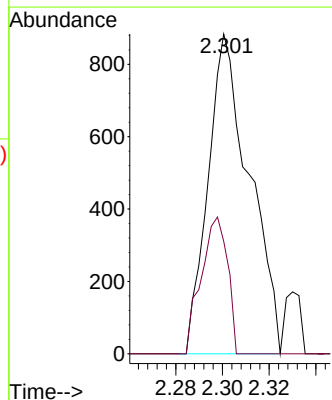
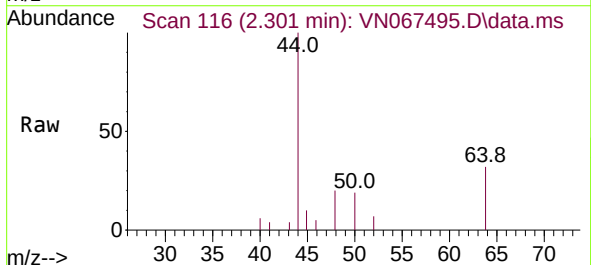
Instrument :
MSVOA_N
ClientSampled :

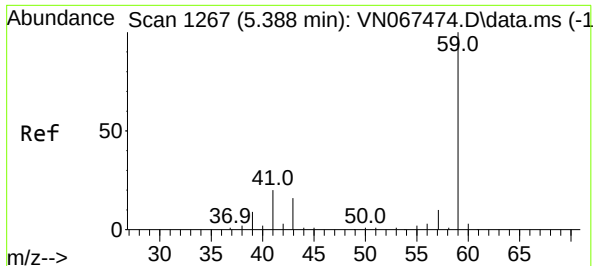
Tgt Ion:168 Resp: 229153
Ion Ratio Lower Upper
168 100
99 82.2 62.9 94.3



#3
Chloromethane
Concen: 0.25 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 50 Resp: 1085
Ion Ratio Lower Upper
50 100
52 35.2 25.6 38.4



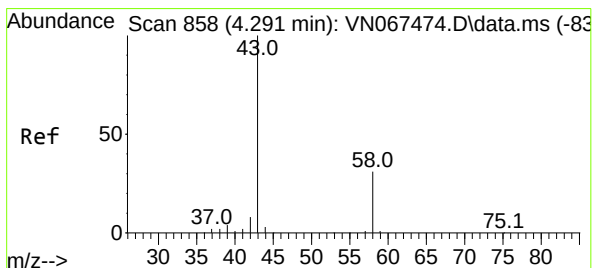
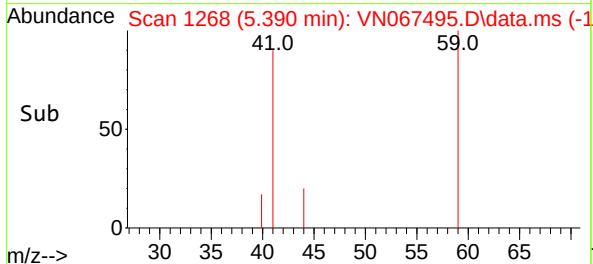
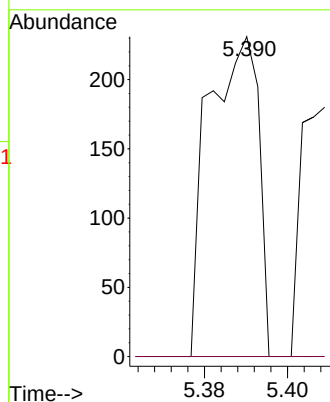
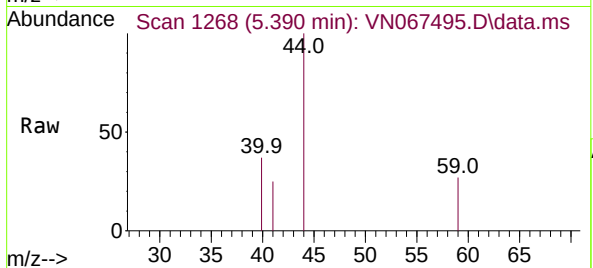


#11

Tert butyl alcohol
Concen: 0.25 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.002 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Instrument :
MSVOA_N
ClientSampled :

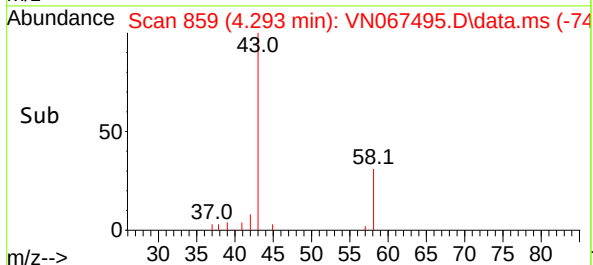
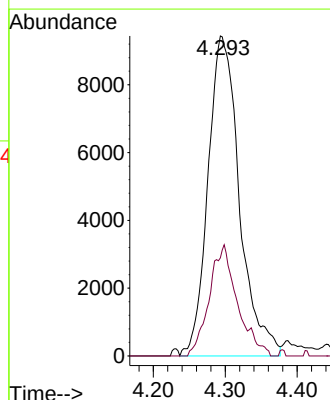
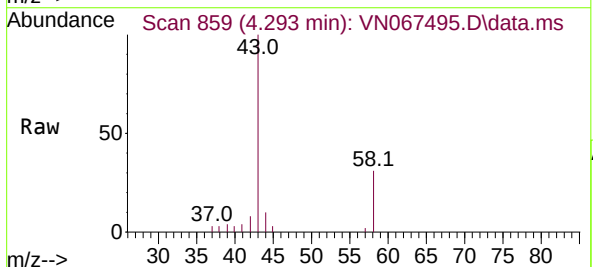
Tgt Ion: 59 Resp: 193
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

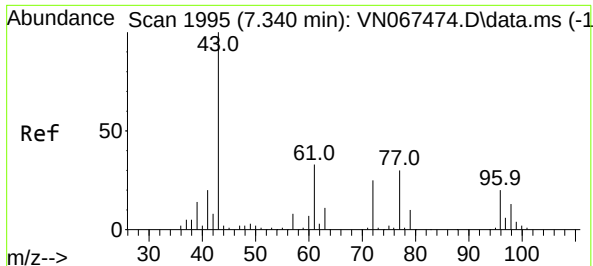


#16

Acetone
Concen: 15.97 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 43 Resp: 28674
Ion Ratio Lower Upper
43 100
58 30.7 21.2 31.8

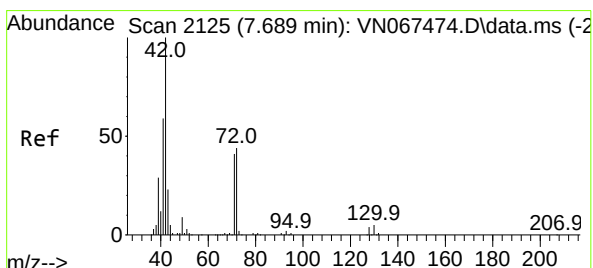
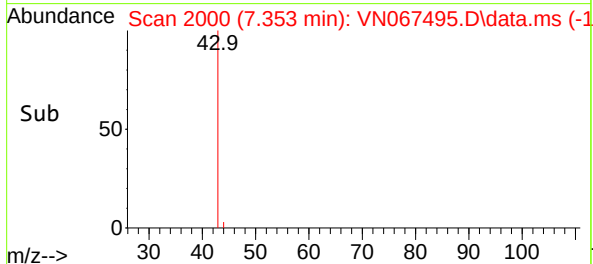
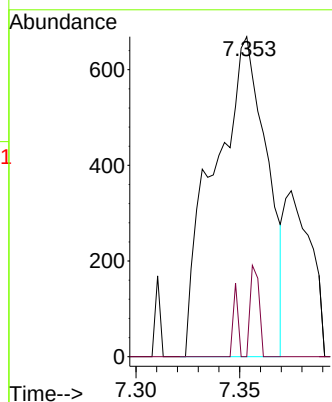
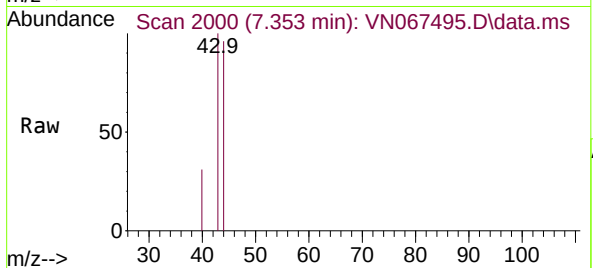




#25
2-Butanone
Concen: 0.42 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

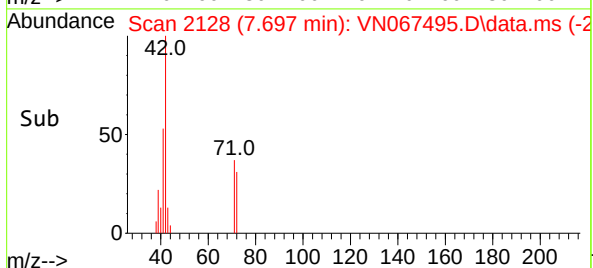
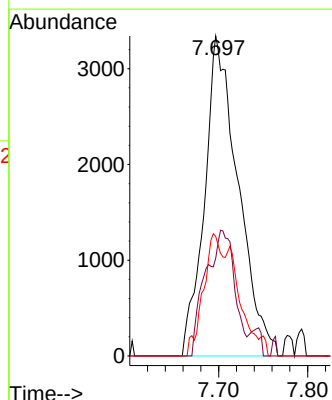
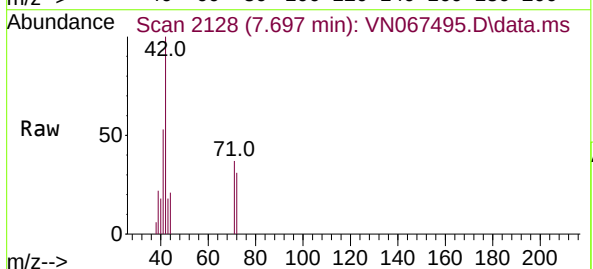
Instrument :
MSVOA_N
ClientSampled :

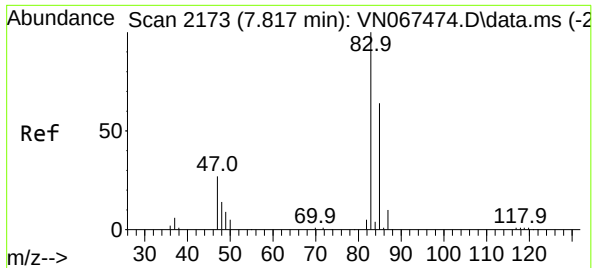
Tgt Ion: 43 Resp: 1182
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#29
Tetrahydrofuran
Concen: 4.96 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.008 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 42 Resp: 8768
Ion Ratio Lower Upper
42 100
72 34.1 32.8 49.2
71 22.8 31.2 46.8#

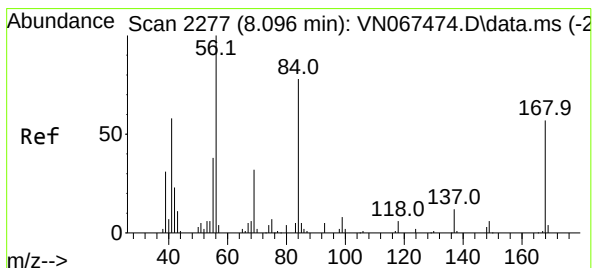
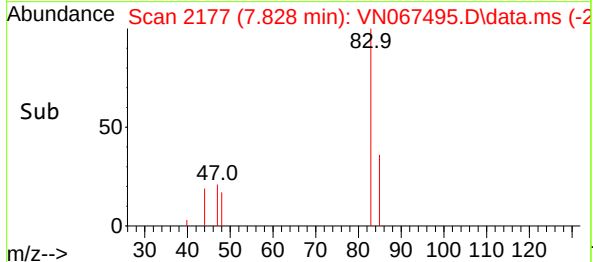
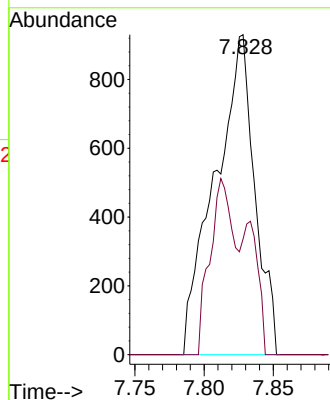
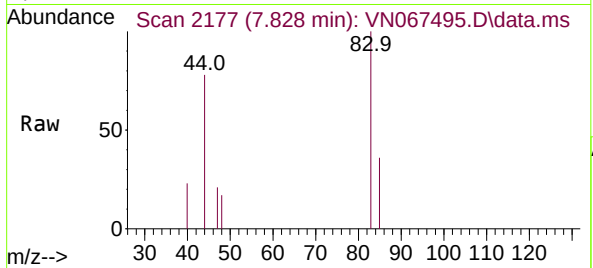




#30
Chloroform
Concen: 0.26 ug/l
RT: 7.828 min Scan# 2177
Delta R.T. 0.011 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

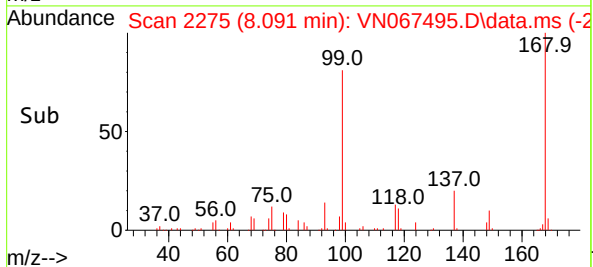
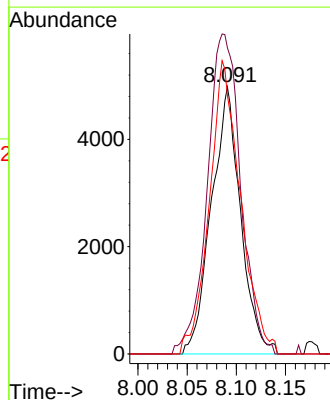
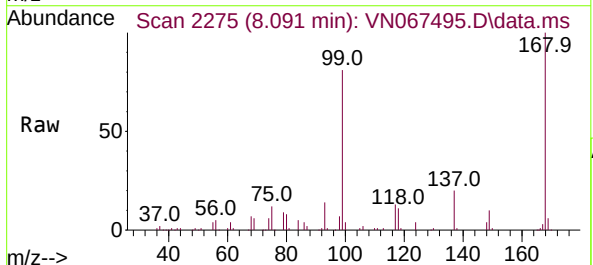
Instrument :
MSVOA_N
ClientSampleId :

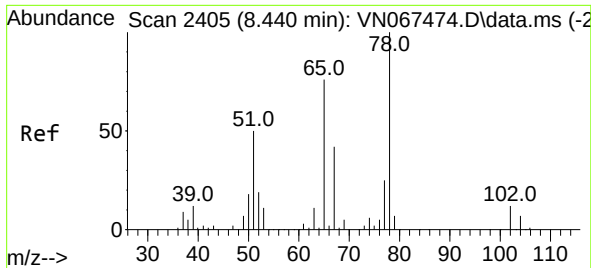
Tgt Ion: 83 Resp: 1859
Ion Ratio Lower Upper
83 100
85 36.1 51.5 77.3#



#31
Cyclohexane
Concen: 1.37 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.005 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 56 Resp: 10275
Ion Ratio Lower Upper
56 100
69 114.7 27.3 40.9#
84 96.9 64.9 97.3

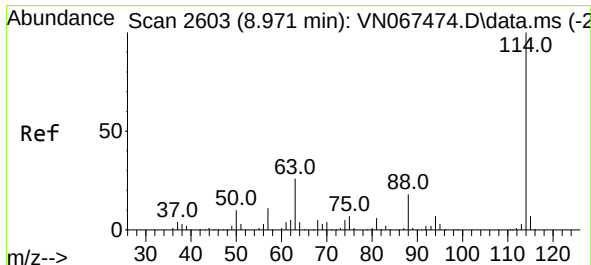
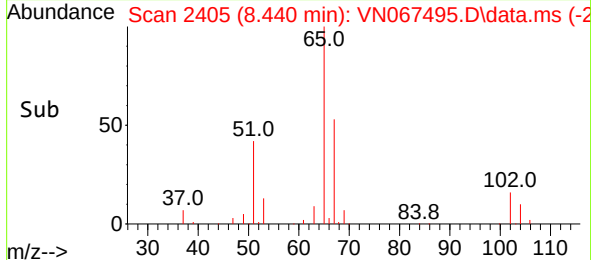
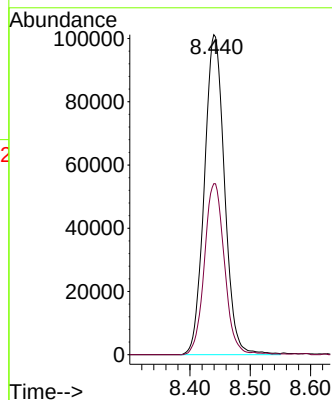
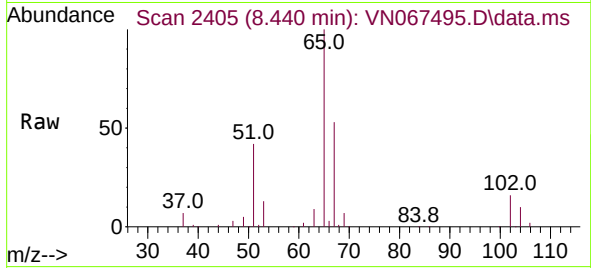




#33
 1,2-Dichloroethane-d4
 Concen: 50.18 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067495.D
 Acq: 24 Jun 2021 20:09

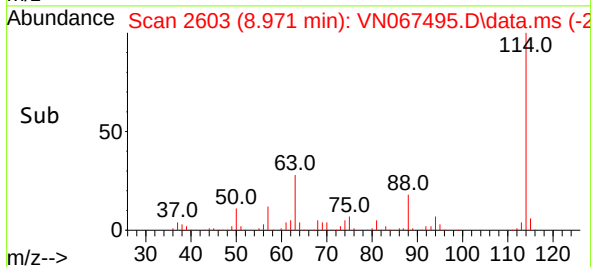
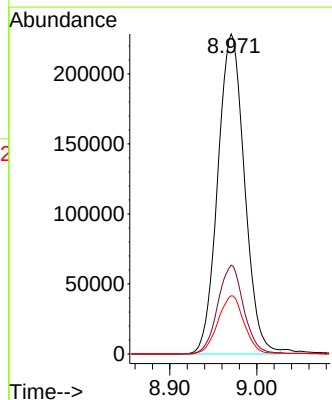
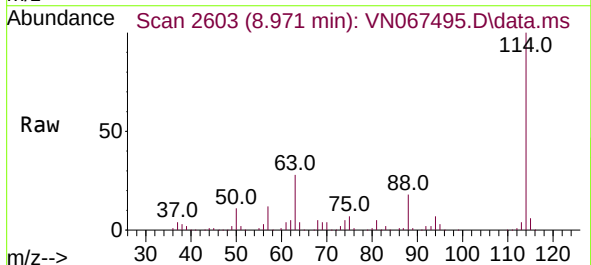
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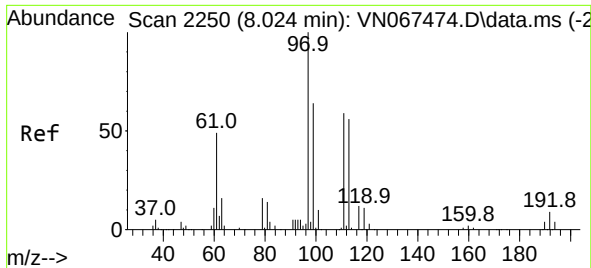
Tgt Ion: 65 Resp: 235349
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN067495.D
 Acq: 24 Jun 2021 20:09

Tgt Ion: 114 Resp: 488087
 Ion Ratio Lower Upper
 114 100
 63 27.7 0.0 49.0
 88 18.2 0.0 36.6

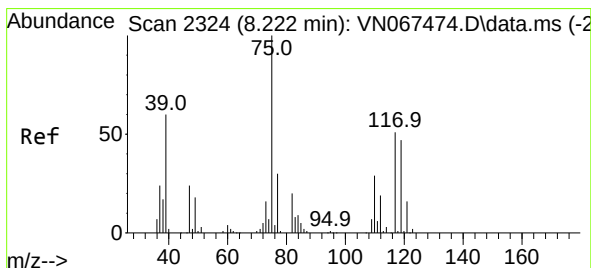
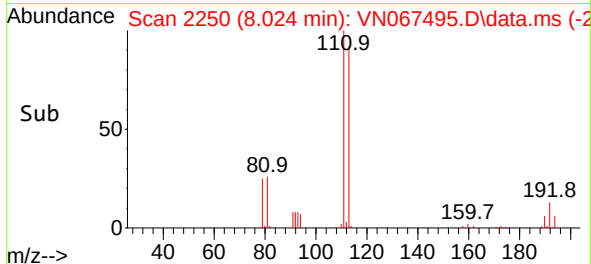
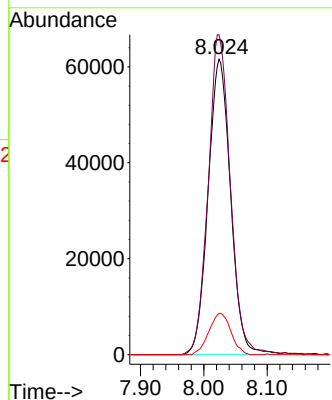
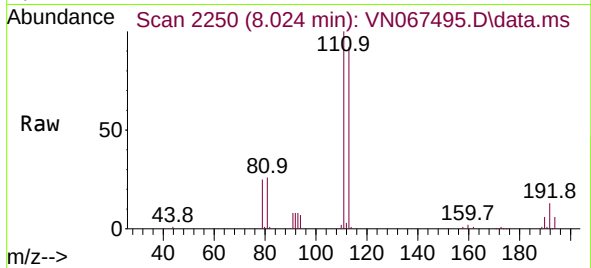




#35
Dibromofluoromethane
Concen: 50.48 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

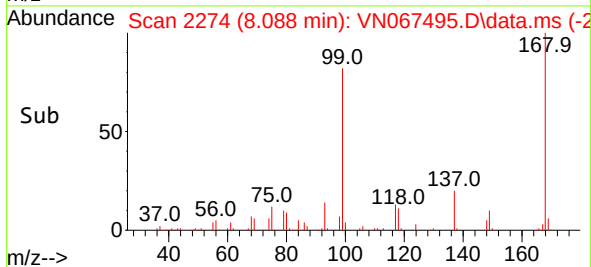
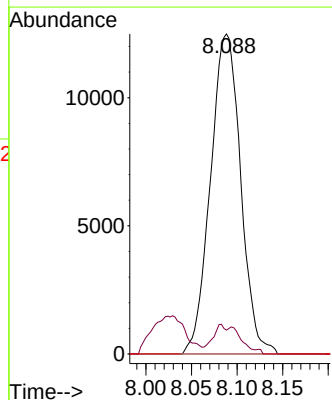
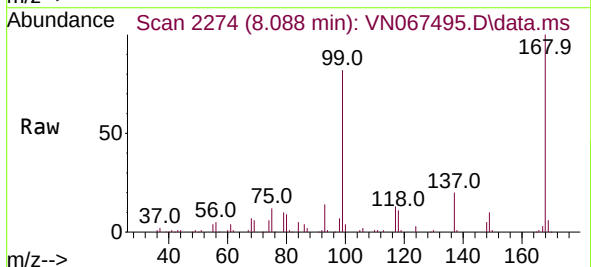
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MSVOA_N
ClientSampled :

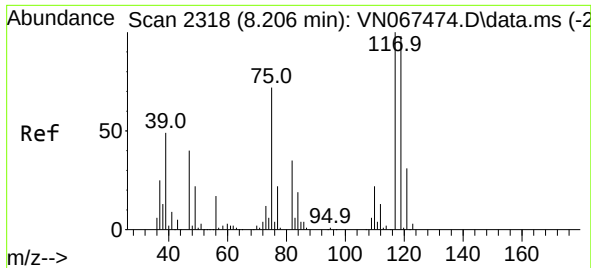
Tgt Ion:113 Resp: 151789
Ion Ratio Lower Upper
113 100
111 106.9 83.8 125.8
192 13.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.23 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

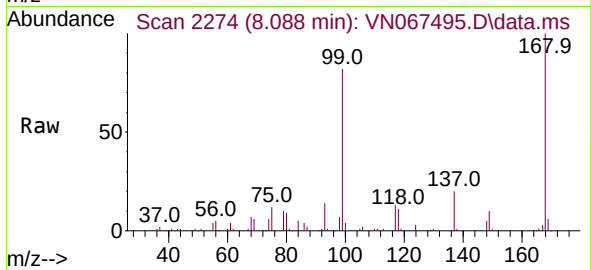
Tgt Ion: 75 Resp: 28755
Ion Ratio Lower Upper
75 100
110 2.7 15.7 47.0#
77 0.0 24.6 37.0#



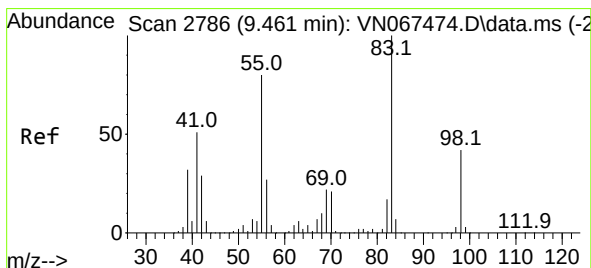
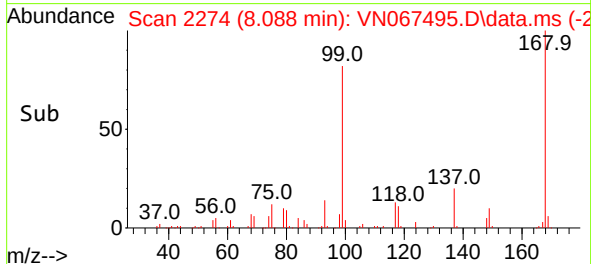
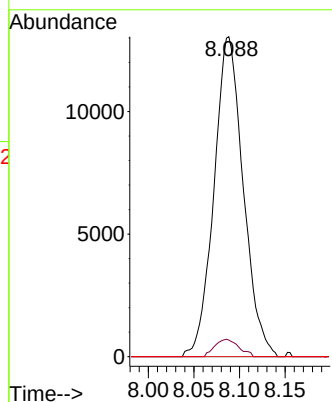


#38
Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Instrument :
MSVOA_N
ClientSampled :

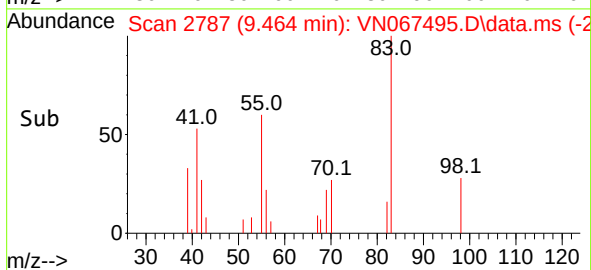
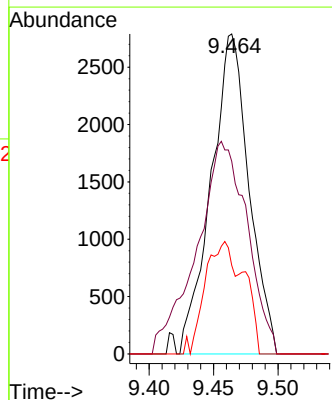
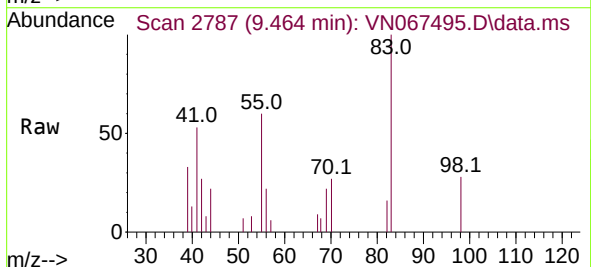


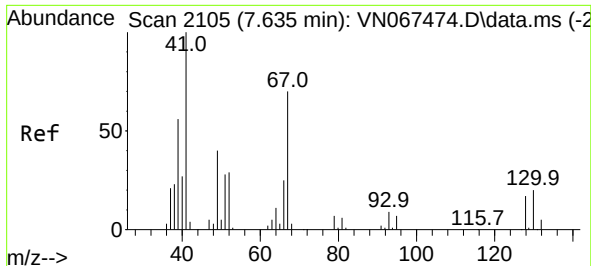
Tgt Ion:117 Resp: 29159
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#



#39
Methylcyclohexane
Concen: 0.90 ug/l
RT: 9.464 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 83 Resp: 5710
Ion Ratio Lower Upper
83 100
55 60.2 66.6 99.8#
98 27.7 35.3 52.9#

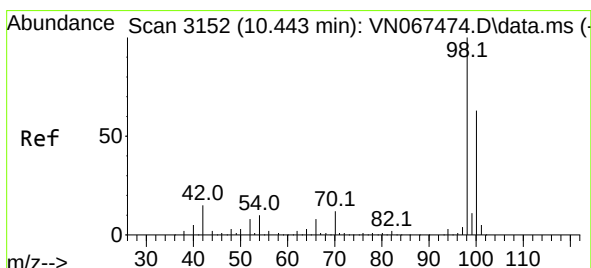
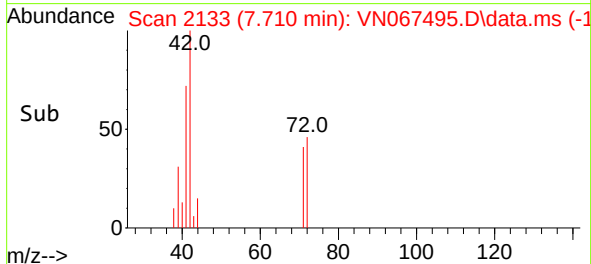
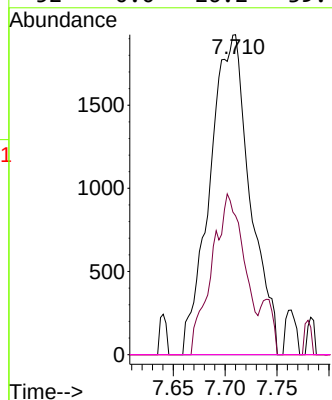
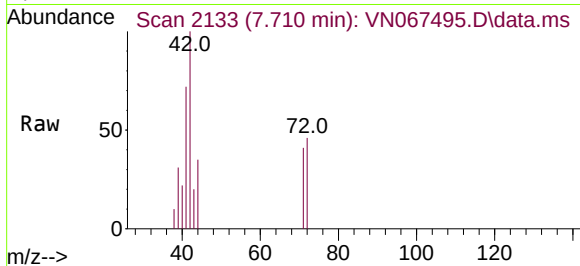




#41
Methacrylonitrile
Concen: 1.77 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.075 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

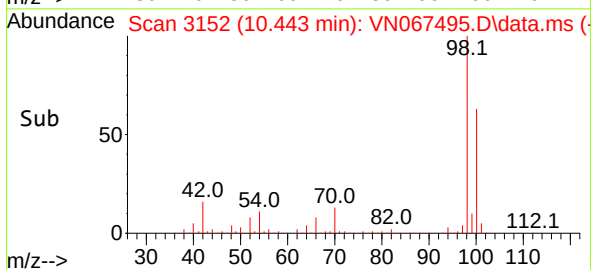
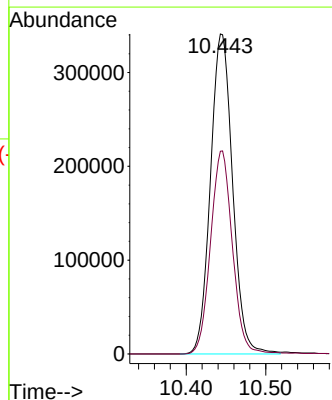
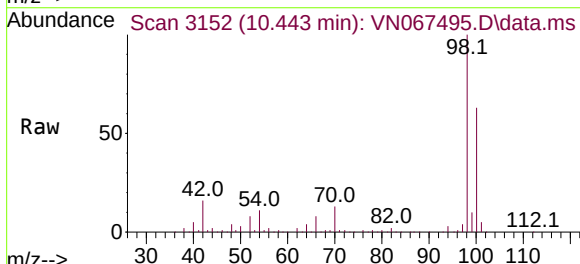
Instrument :
MSVOA_N
ClientSampled :

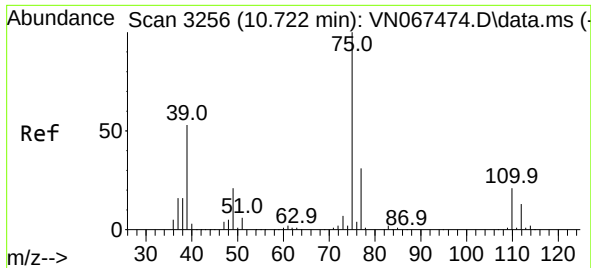
Tgt Ion:	41	Resp:	5193
Ion	Ratio	Lower	Upper
41	100		
39	40.7	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#50
Toluene-d8
Concen: 51.47 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion:	98	Resp:	660164
Ion	Ratio	Lower	Upper
98	100		
100	62.7	51.7	77.5

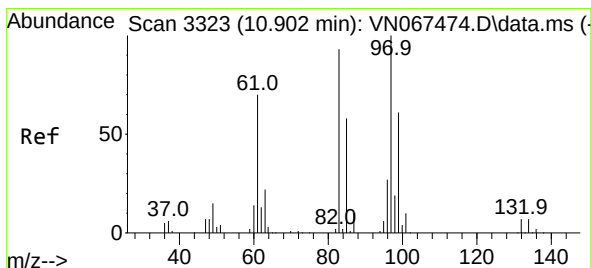
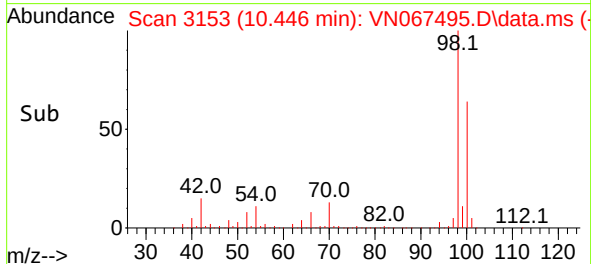
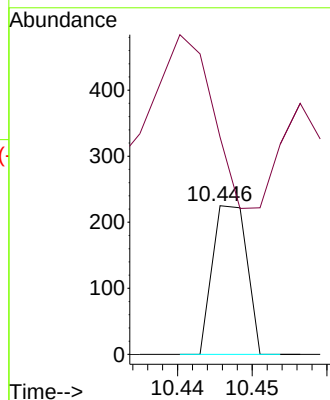
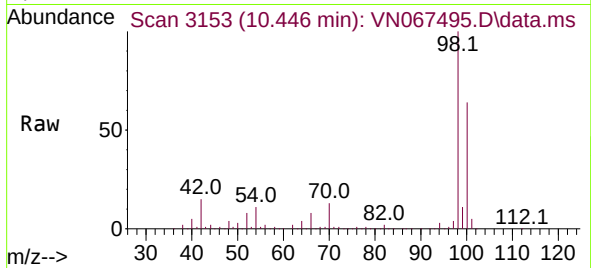




#53
t-1,3-Dichloropropene
Concen: 2.01 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.276 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

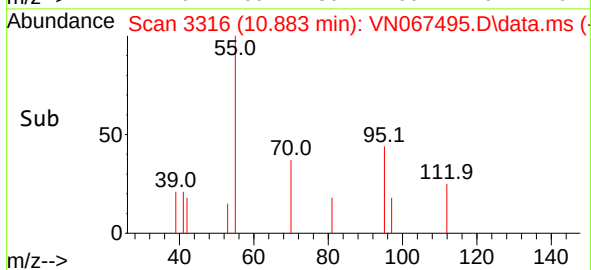
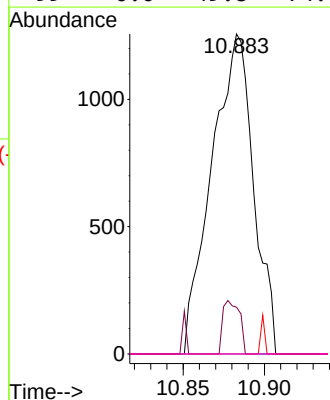
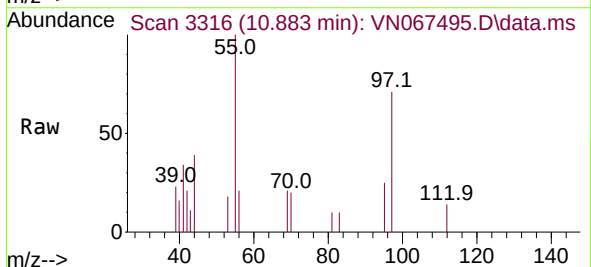
Instrument :
MSVOA_N
ClientSampleId :

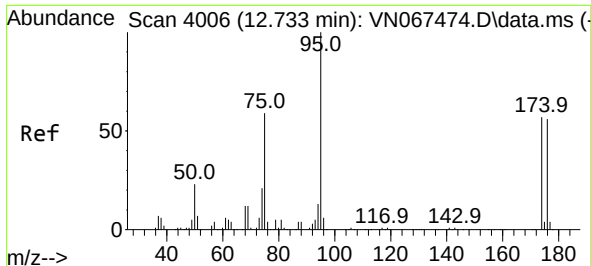
Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
77 4.9 25.1 37.7#



#55
1,1,2-Trichloroethane
Concen: 0.62 ug/l
RT: 10.883 min Scan# 3316
Delta R.T. -0.019 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 97 Resp: 2248
Ion Ratio Lower Upper
97 100
83 14.6 72.0 108.0#
85 0.0 46.8 70.2#
99 0.0 49.8 74.6#

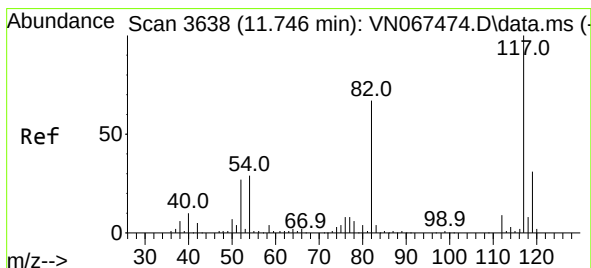
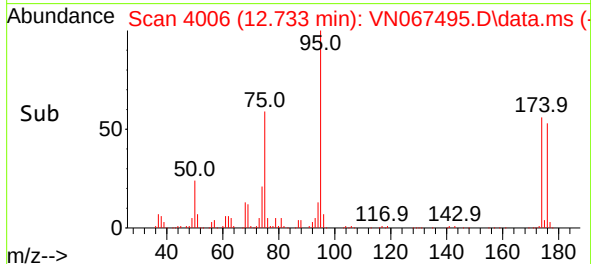
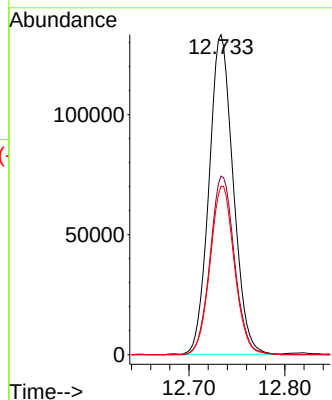
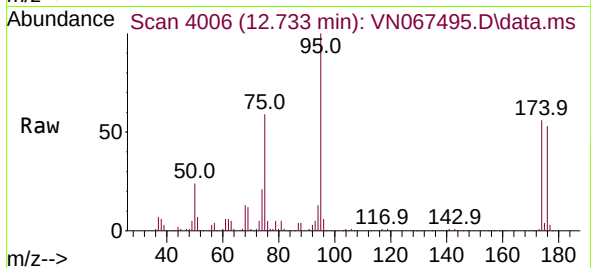




#62
4-Bromofluorobenzene
Concen: 51.07 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

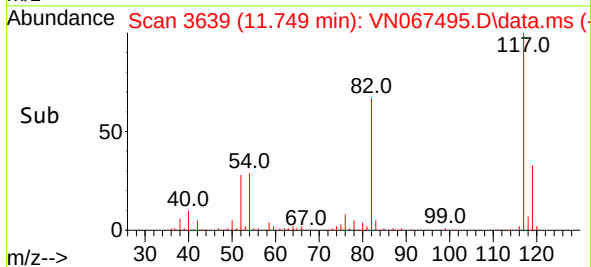
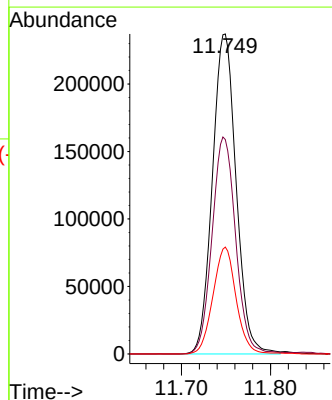
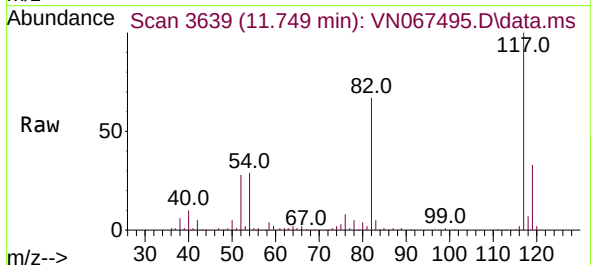
Instrument :
MSVOA_N
ClientSampled :

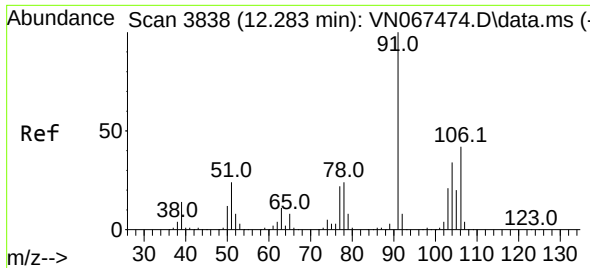
Tgt Ion: 95 Resp: 233336
Ion Ratio Lower Upper
95 100
174 56.5 0.0 122.0
176 53.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 117 Resp: 439876
Ion Ratio Lower Upper
117 100
82 67.0 53.1 79.7
119 33.4 25.5 38.3

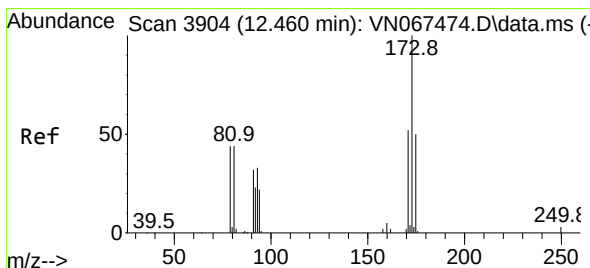
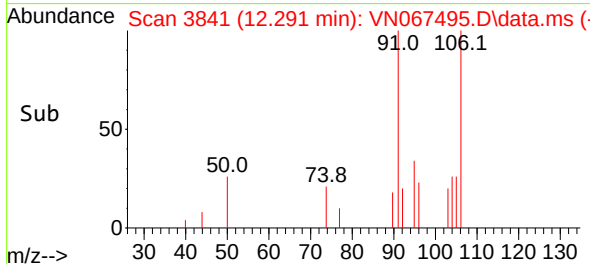
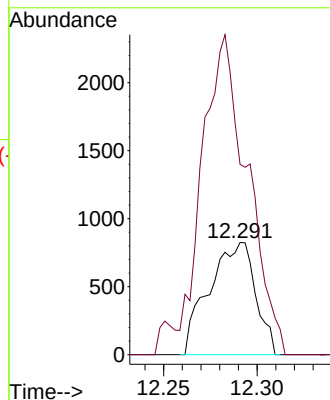
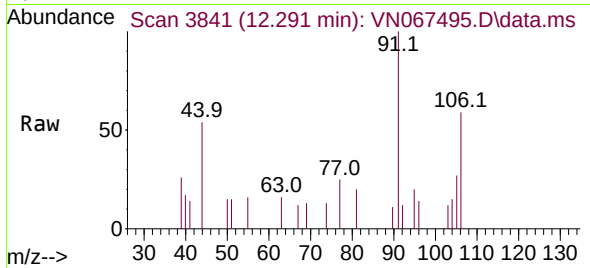




#69
o-Xylene
Concen: 0.23 ug/l
RT: 12.291 min Scan# 3841
Delta R.T. 0.008 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

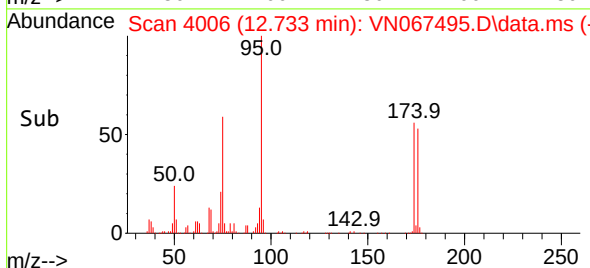
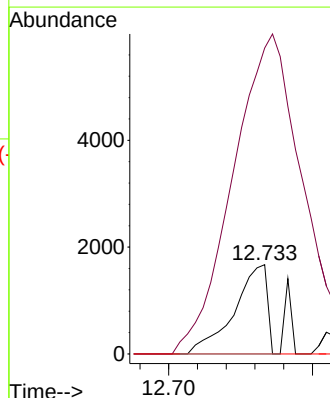
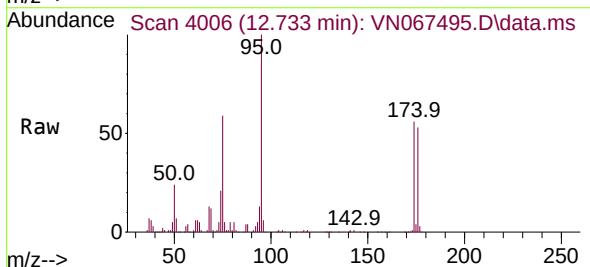
Instrument :
MSVOA_N
ClientSampleId :

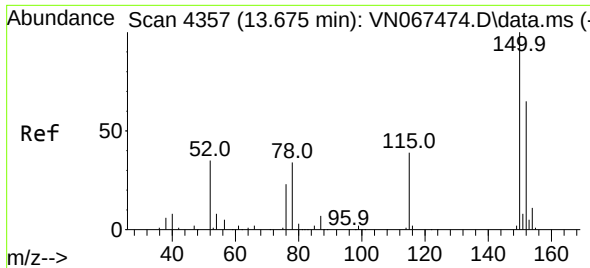
Tgt Ion:106 Resp: 1427
Ion Ratio Lower Upper
106 100
91 274.3 118.3 354.9



#71
Bromoform
Concen: 3.19 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.273 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion:173 Resp: 1331
Ion Ratio Lower Upper
173 100
175 694.9 23.9 71.8#
254 0.0 0.0 0.0

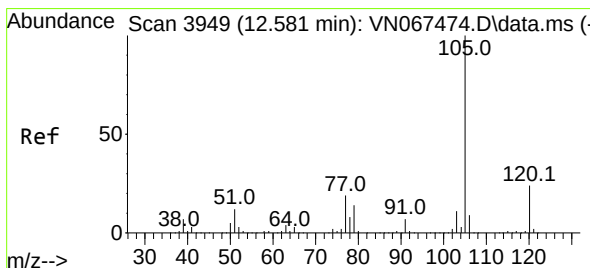
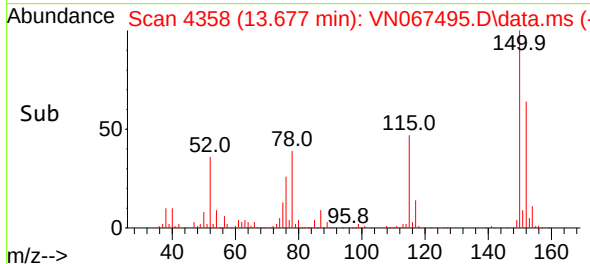
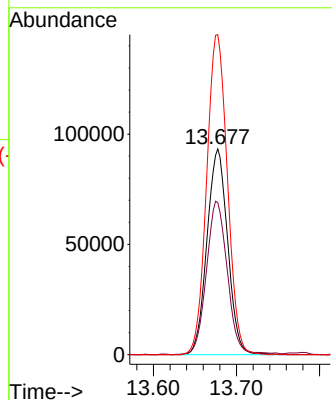
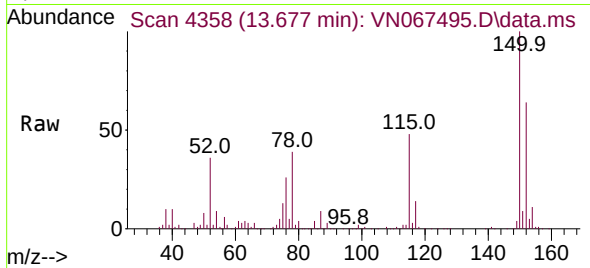




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

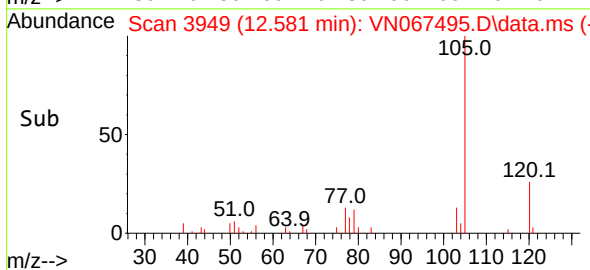
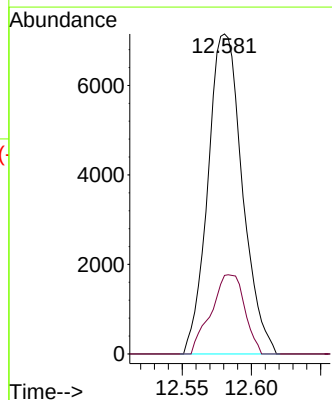
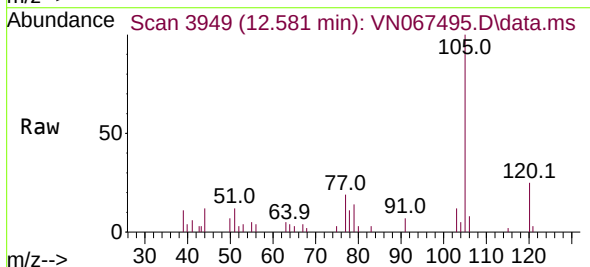
Instrument :
MSVOA_N
ClientSampled :

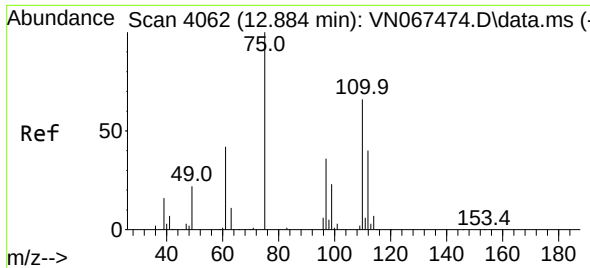
Tgt Ion:152 Resp: 161301
Ion Ratio Lower Upper
152 100
115 75.5 36.1 108.5
150 155.7 0.0 351.8



#73
Isopropylbenzene
Concen: 0.75 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. -0.000 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion:105 Resp: 12356
Ion Ratio Lower Upper
105 100
120 24.0 12.5 37.5

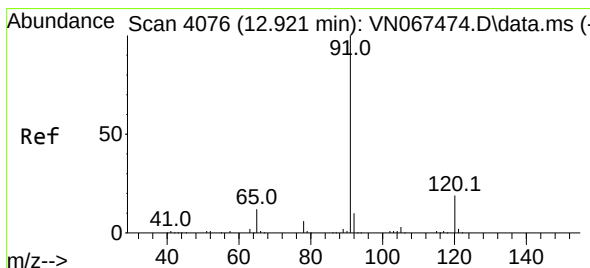
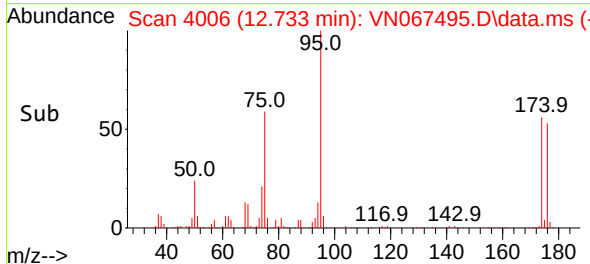
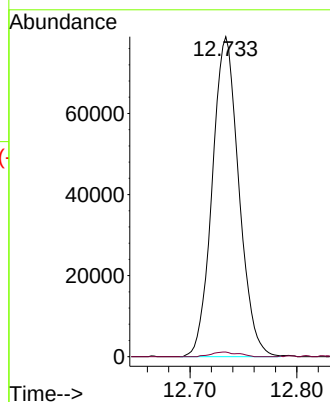
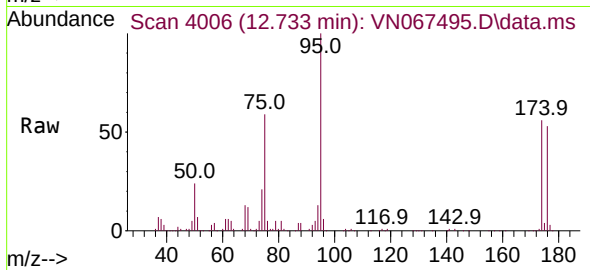




#76
1,2,3-Trichloropropane
Concen: 28.80 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

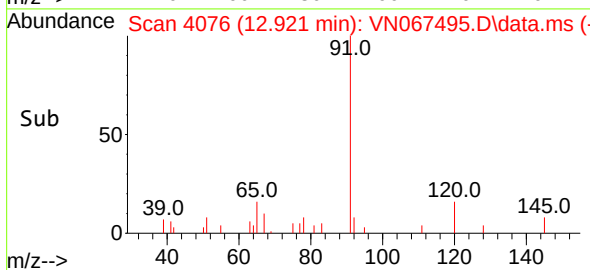
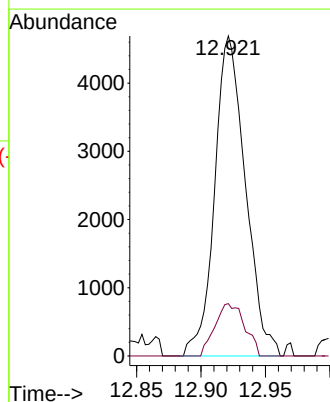
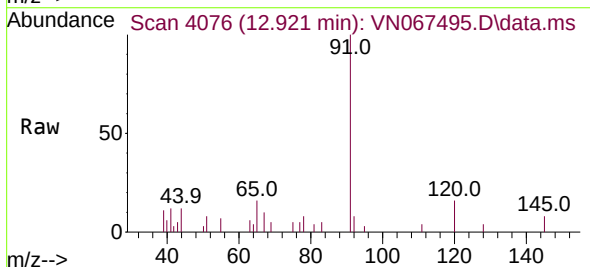
Instrument :
MSVOA_N
ClientSampled :

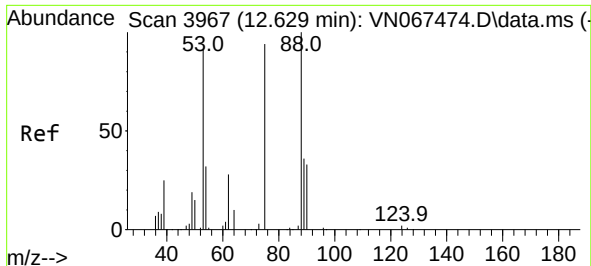
Tgt Ion: 75 Resp: 136725
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#78
n-propylbenzene
Concen: 0.38 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 91 Resp: 7786
Ion Ratio Lower Upper
91 100
120 15.8 10.4 31.4

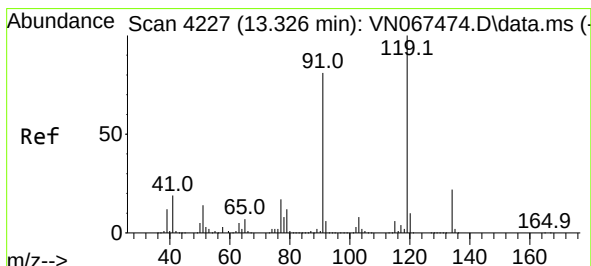
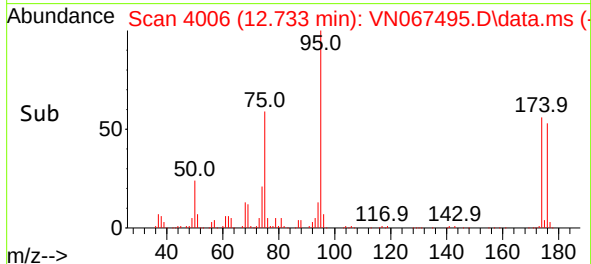
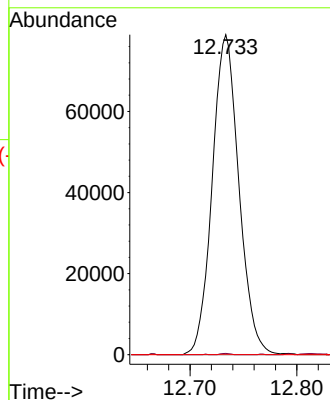
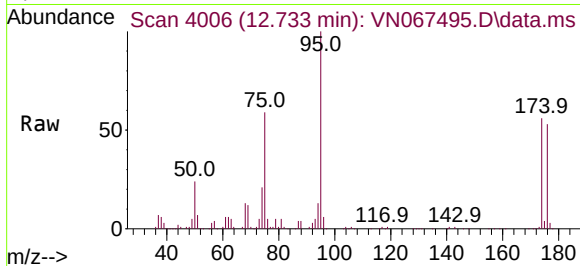




#81
trans-1,4-Dichloro-2-butene
Concen: 78.81 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

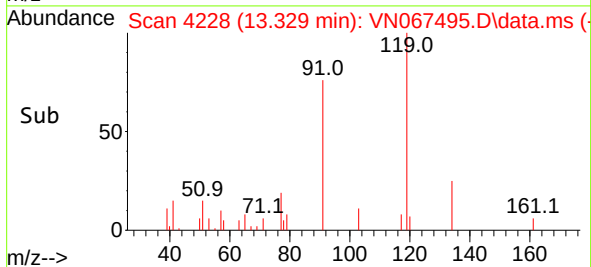
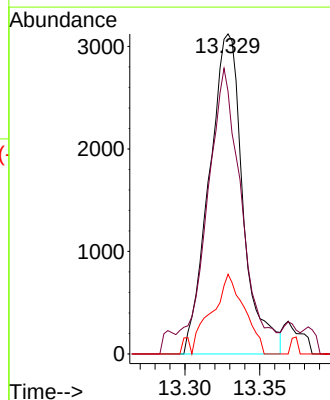
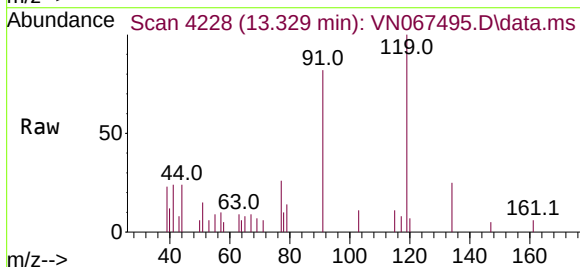
Instrument :
MSVOA_N
ClientSampled :

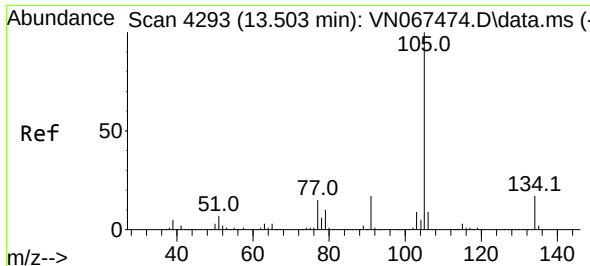
Tgt Ion: 75 Resp: 136725
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#83
tert-Butylbenzene
Concen: 0.47 ug/l
RT: 13.329 min Scan# 4228
Delta R.T. 0.003 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 119 Resp: 4933
Ion Ratio Lower Upper
119 100
91 80.8 39.5 118.5
134 23.8 12.0 36.0

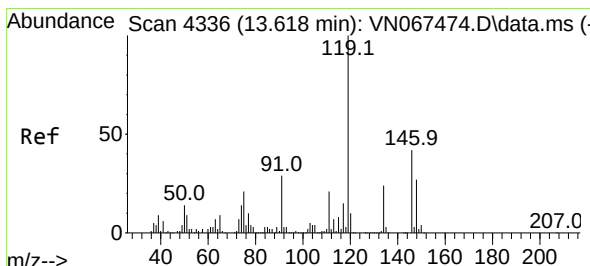
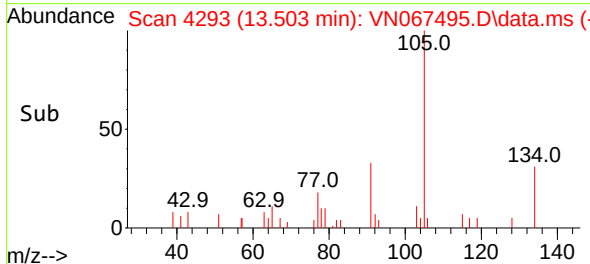
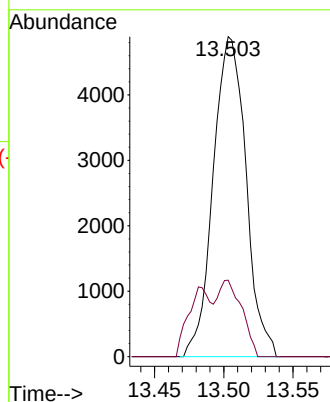
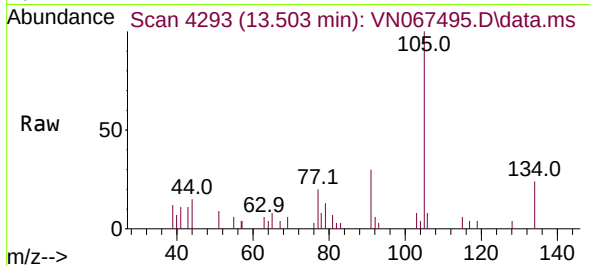




#85
 sec-Butylbenzene
 Concen: 0.51 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN067495.D
 Acq: 24 Jun 2021 20:09

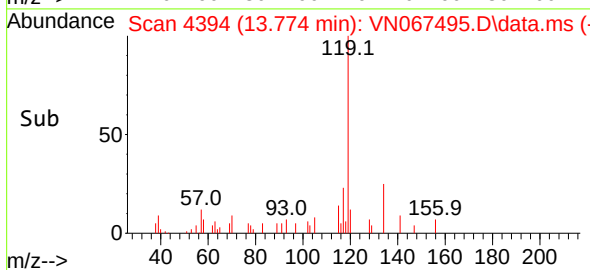
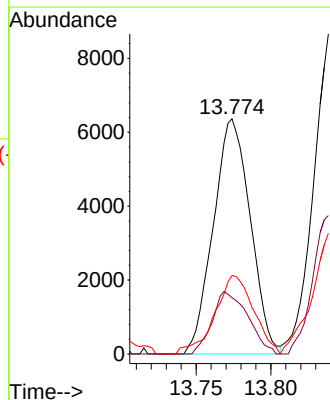
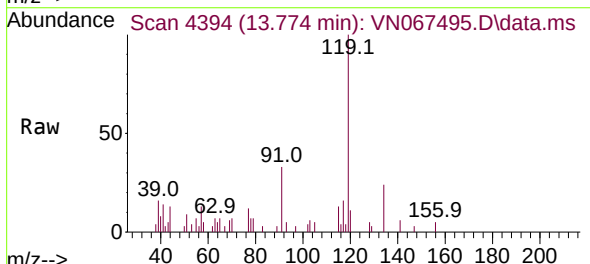
Instrument :
 MSVOA_N
 ClientSampleId :

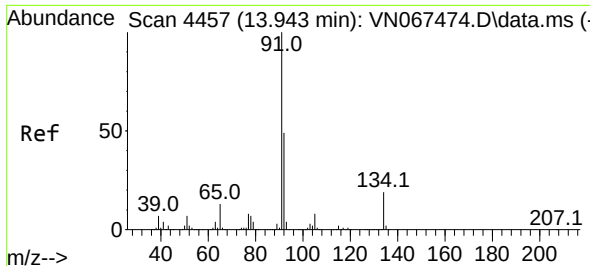
Tgt Ion:105 Resp: 8050
 Ion Ratio Lower Upper
 105 100
 134 17.5 9.0 27.1



#86
 p-Isopropyltoluene
 Concen: 0.93 ug/l
 RT: 13.774 min Scan# 4394
 Delta R.T. 0.156 min
 Lab File: VN067495.D
 Acq: 24 Jun 2021 20:09

Tgt Ion:119 Resp: 10963
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.4 37.4
 91 34.8 14.8 44.3

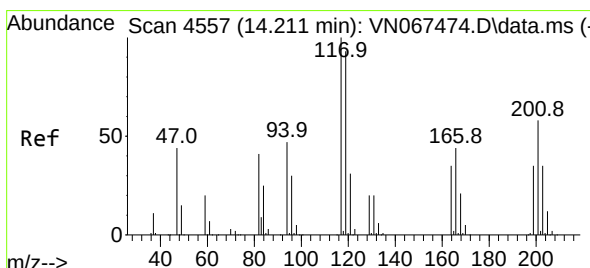
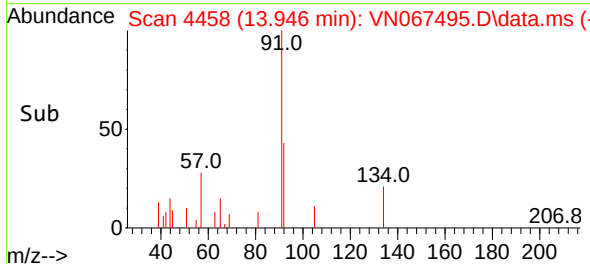
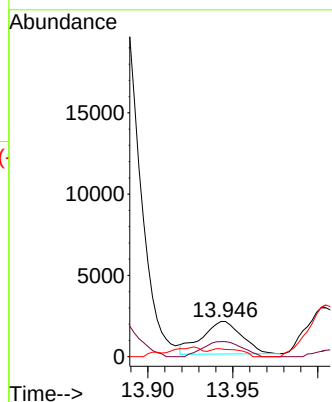
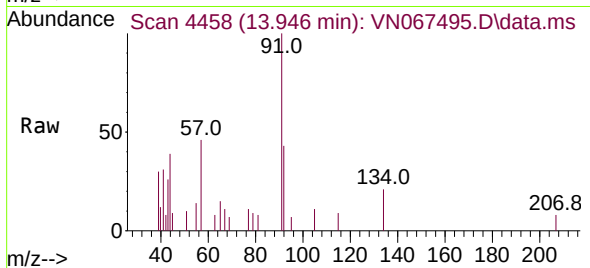




#89
n-Butylbenzene
Concen: 0.28 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

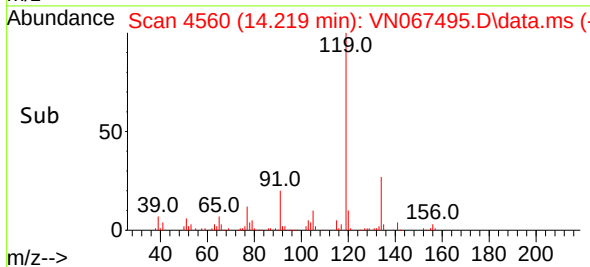
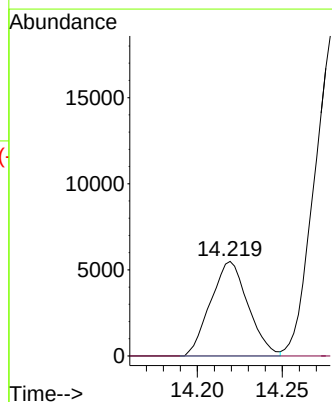
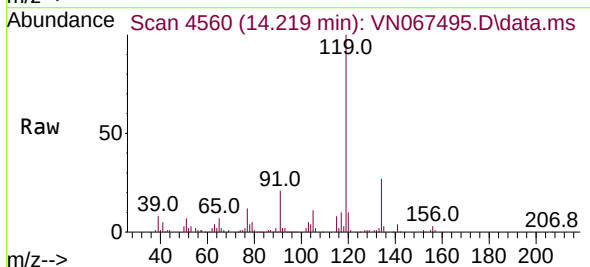
Instrument :
MSVOA_N
ClientSampled :

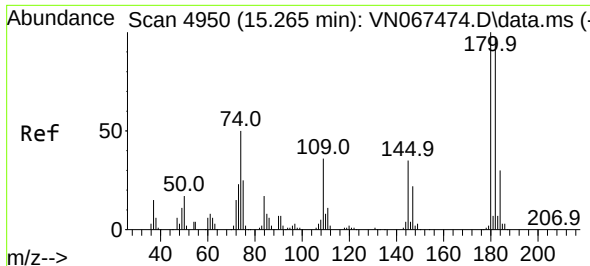
Tgt Ion: 91 Resp: 3263
Ion Ratio Lower Upper
91 100
92 45.2 25.7 77.1
134 0.0 11.2 33.6#



#90
Hexachloroethane
Concen: 3.75 ug/l
RT: 14.219 min Scan# 4560
Delta R.T. 0.008 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

Tgt Ion: 117 Resp: 8436
Ion Ratio Lower Upper
117 100
201 0.0 33.5 100.5#

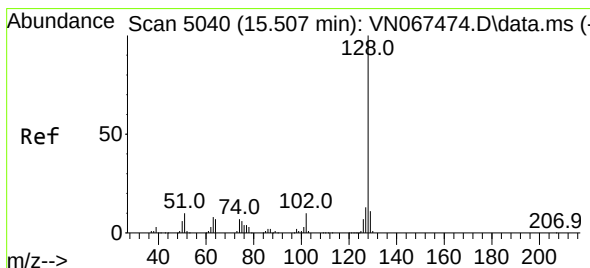
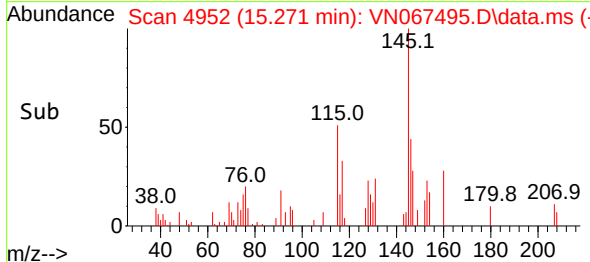
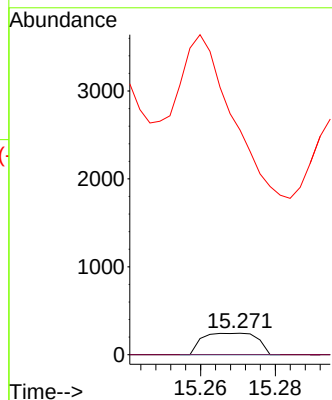
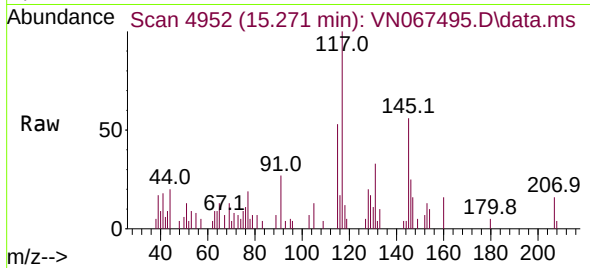




#93
1,2,4-Trichlorobenzene
Concen: 2.42 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

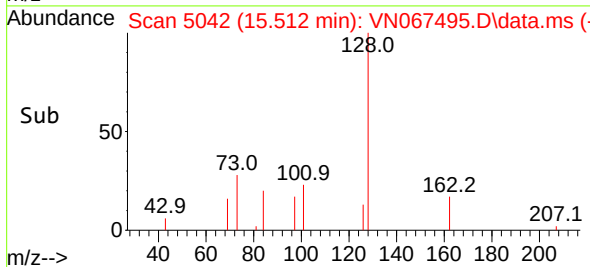
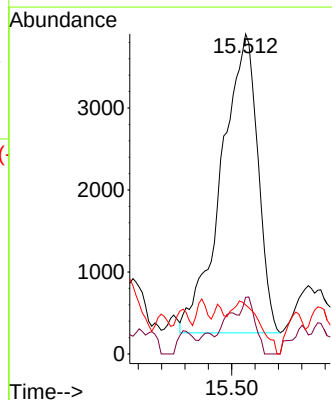
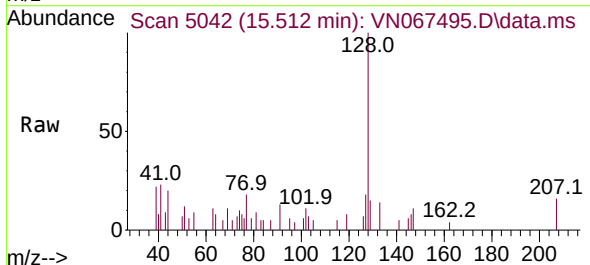
Instrument :
MSVOA_N
ClientSampled :

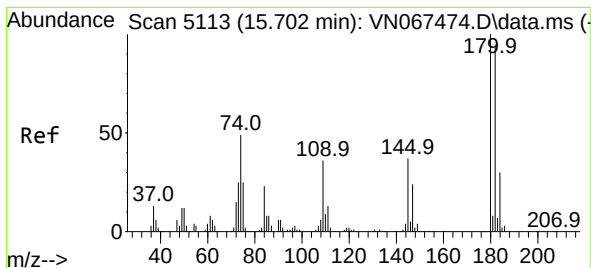
Tgt Ion:180 Resp: 249
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 1573.5 17.2 51.6#



#95
Naphthalene
Concen: 4.16 ug/l
RT: 15.512 min Scan# 5042
Delta R.T. 0.005 min
Lab File: VN067495.D
Acq: 24 Jun 2021 20:09

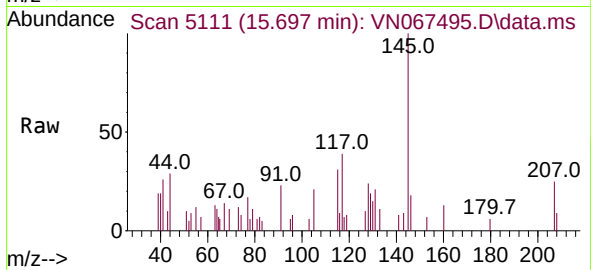
Tgt Ion:128 Resp: 7899
Ion Ratio Lower Upper
128 100
127 6.7 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.58 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.005 min
 Lab File: VN067495.D
 Acq: 24 Jun 2021 20:09

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180	Resp:	143
Ion	Ratio	Lower Upper
180	100	
182	0.0	47.8 143.3#
145	0.0	18.2 54.6#

