

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067911.D
 Acq On : 26 Jul 2021 16:51
 Operator : JC/MD
 Sample : M3147-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 27 01:31:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 16:18:53 2021
 Response via : Initial Calibration

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

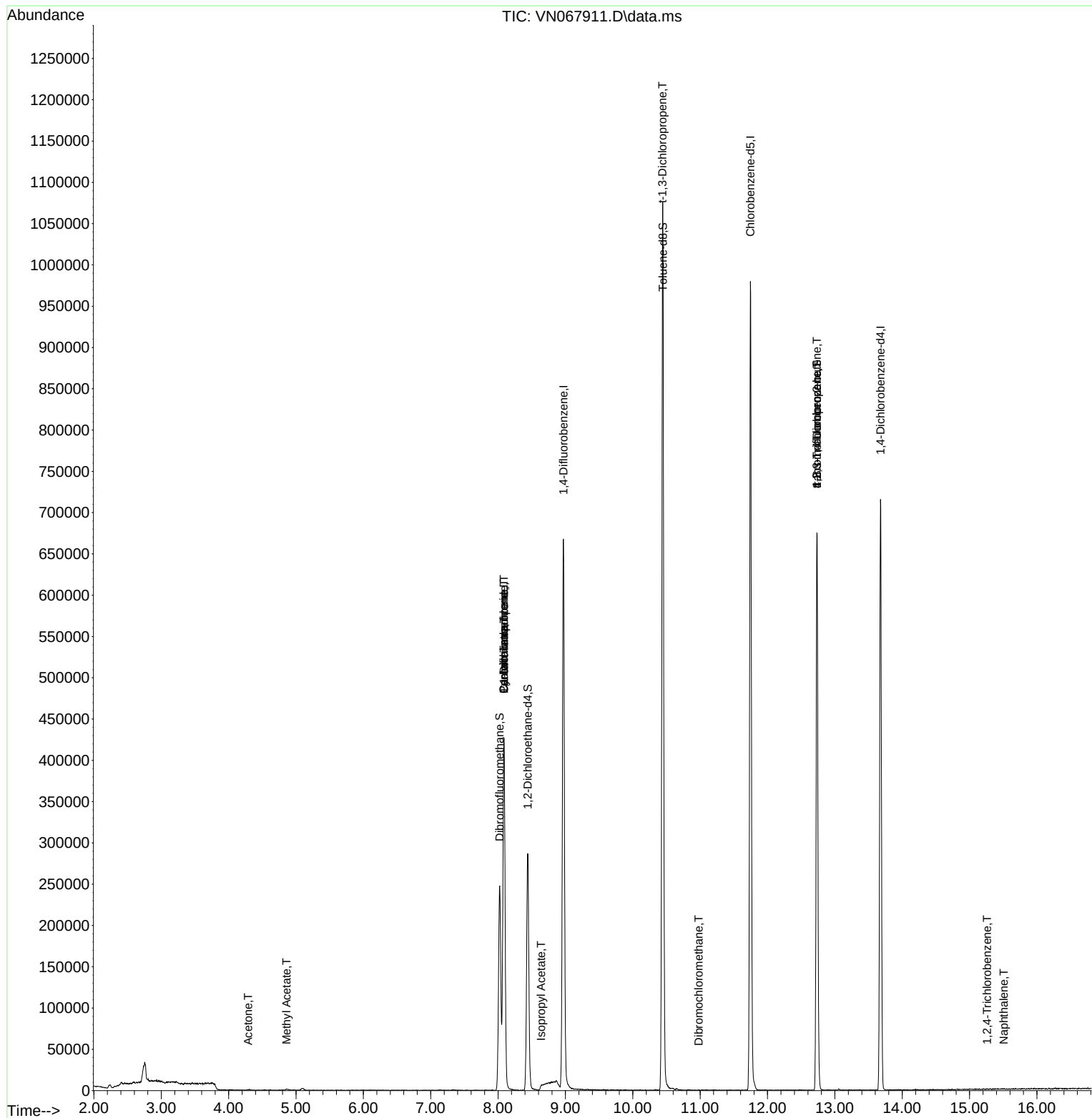
Internal Standards						
1) Pentafluorobenzene	8.088	168	307829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	582743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	556389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	187679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	246102	52.900	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.800%			
35) Dibromofluoromethane	8.024	113	179533	50.992	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.980%			
50) Toluene-d8	10.446	98	749329	50.846	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.700%			
62) 4-Bromofluorobenzene	12.733	95	240159	46.131	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.260%			
Target Compounds						
5) Bromomethane	2.832	94	178	Below Cal	#	4
6) Chloroethane	2.773	64	53	Below Cal	#	1
13) Acrolein	4.047	56	178	Below Cal		94
16) Acetone	4.288	43	584	0.399	ug/l #	48
18) Methyl Acetate	4.859	43	2641	0.642	ug/l #	58
20) Methylene Chloride	5.101	84	1382	Below Cal	#	55
31) Cyclohexane	8.086	56	7877	1.208	ug/l #	16
36) 1,1-Dichloropropene	8.088	75	27765	5.129	ug/l #	53
38) Carbon Tetrachloride	8.086	117	34019	6.371	ug/l #	17
43) Isopropyl Acetate	8.641	43	2317	0.251	ug/l #	58
53) t-1,3-Dichloropropene	10.440	75	202	1.773	ug/l	91
60) Dibromochloromethane	10.977	129	111	2.378	ug/l #	11
76) 1,2,3-Trichloropropane	12.733	75	133917	34.940	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	133917	112.651	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.260	180	56	2.691	ug/l #	12
95) Naphthalene	15.507	128	797	3.094	ug/l #	69

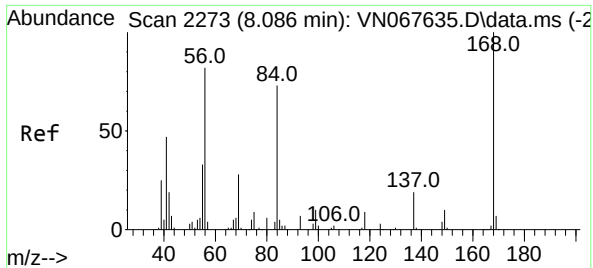
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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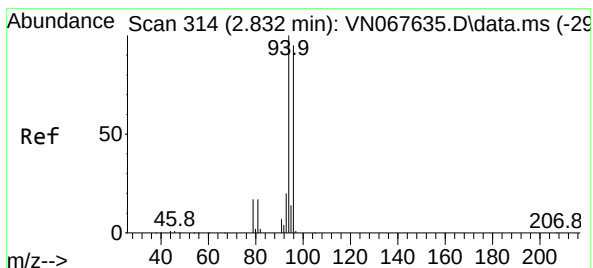
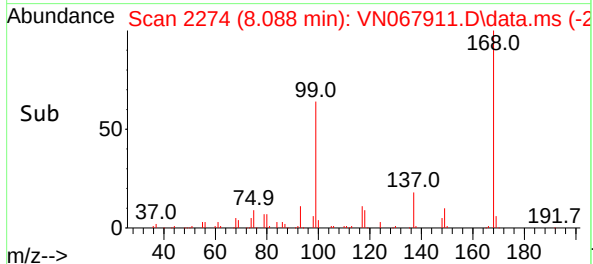
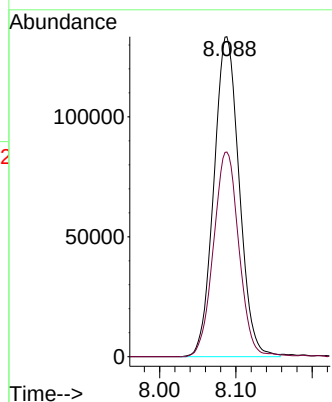
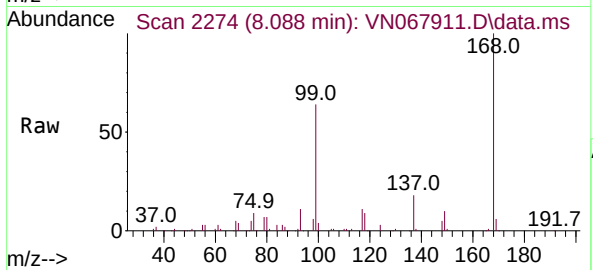




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

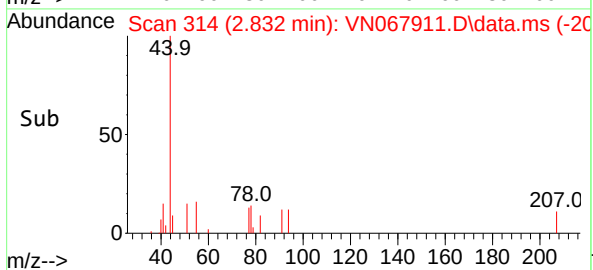
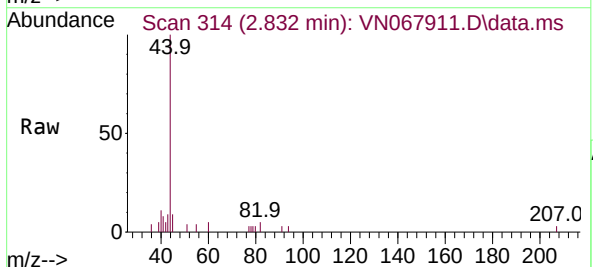
Instrument :
MSVOA_N
ClientSampleId :

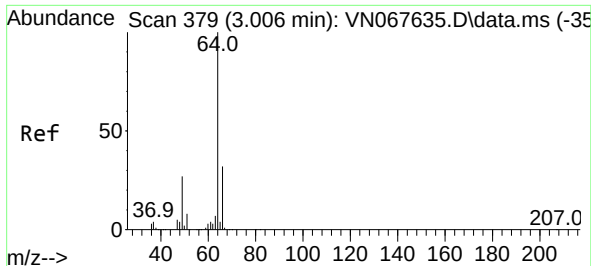
Tgt Ion:168 Resp: 307829
Ion Ratio Lower Upper
168 100
99 63.9 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.000 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Tgt Ion: 94 Resp: 178
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

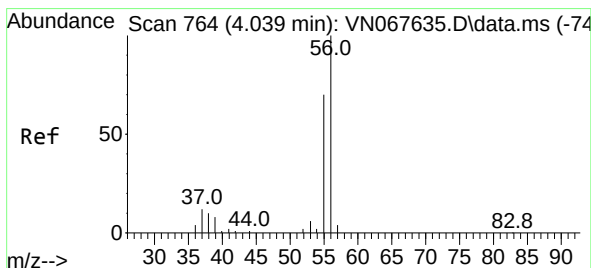
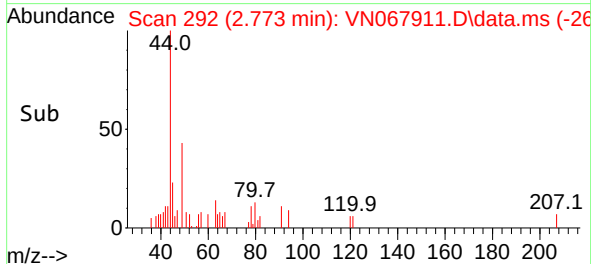
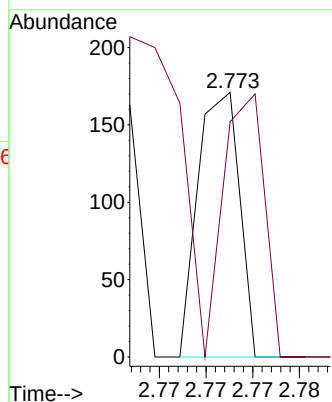
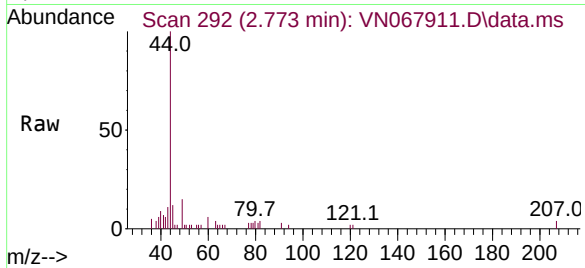




#6
Chloroethane
Concen: Below Cal
RT: 2.773 min Scan# 292
Delta R.T. -0.233 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

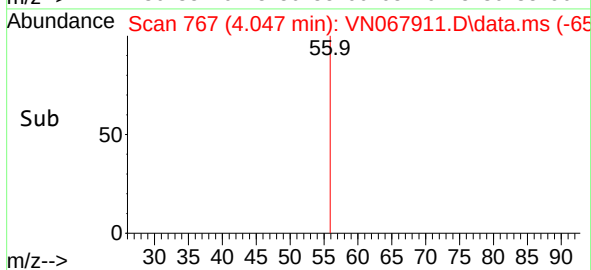
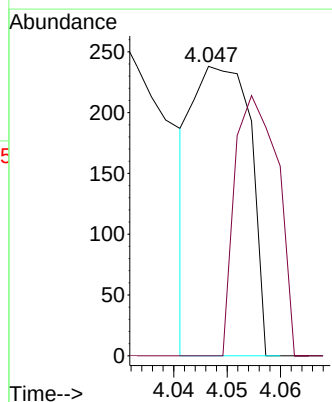
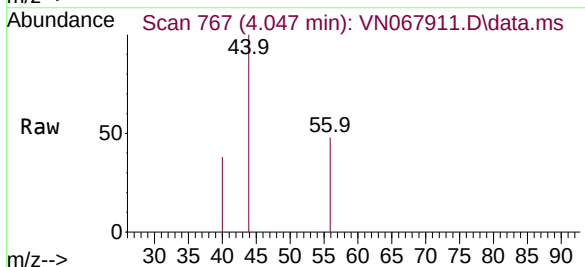
Instrument :
MSVOA_N
ClientSampled :

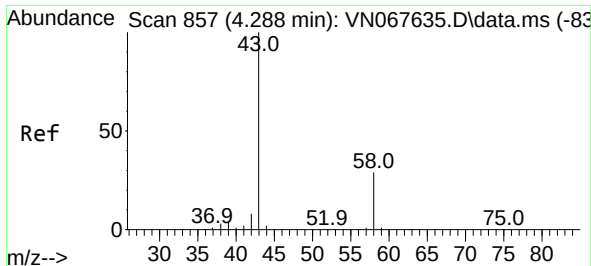
Tgt Ion: 64 Resp: 53
Ion Ratio Lower Upper
64 100
66 88.9 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Tgt Ion: 56 Resp: 178
Ion Ratio Lower Upper
56 100
55 66.9 57.4 86.0

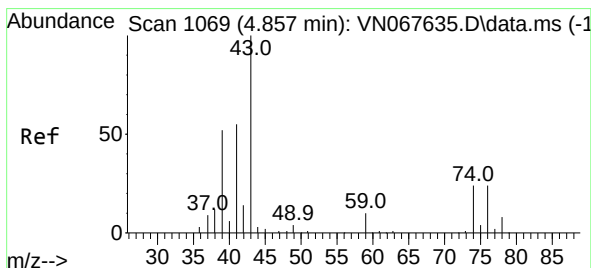
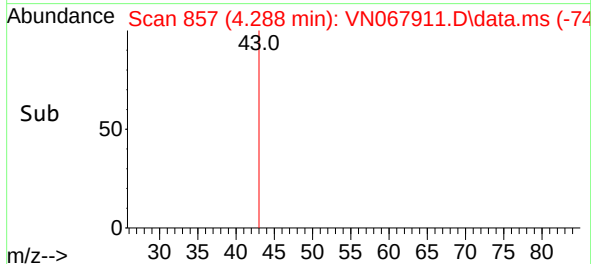
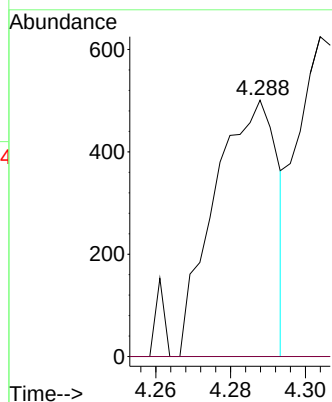
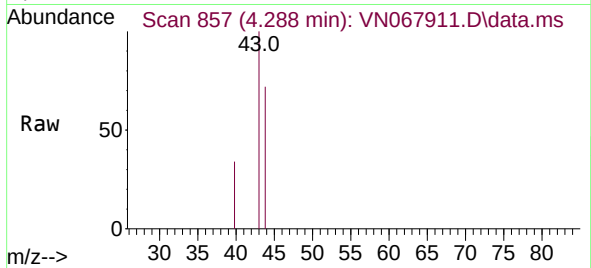




#16
Acetone
Concen: 0.399 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.000 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

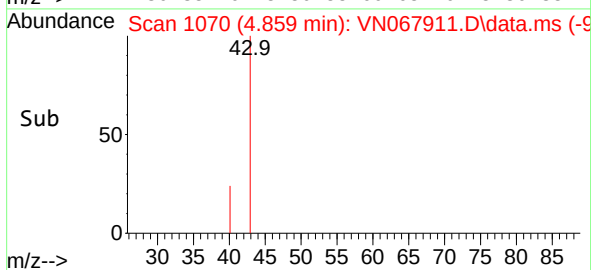
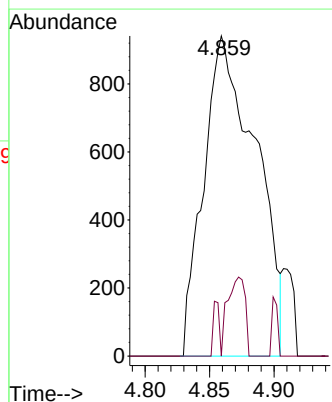
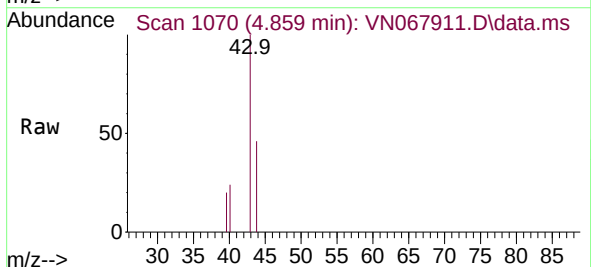
Instrument :
MSVOA_N
ClientSampled :

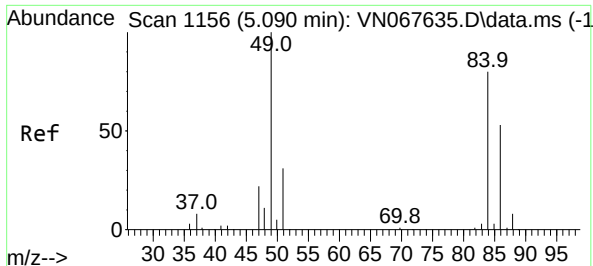
Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#



#18
Methyl Acetate
Concen: 0.642 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.002 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Tgt Ion: 43 Resp: 2641
Ion Ratio Lower Upper
43 100
74 1.9 17.4 26.0#

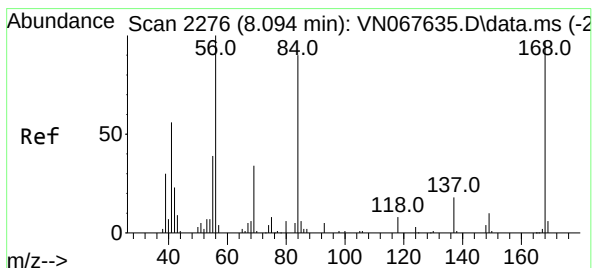
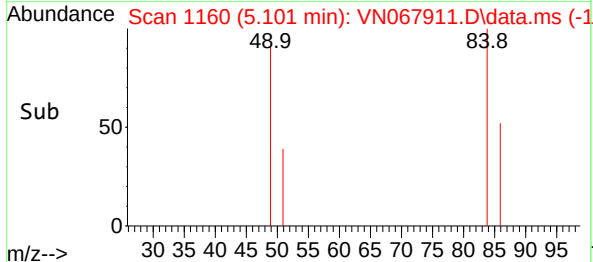
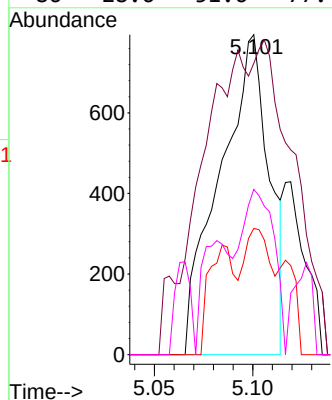
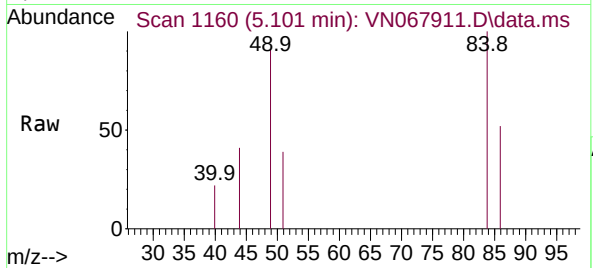




#20
Methylene Chloride
Concen: Below Cal
RT: 5.101 min Scan# 1160
Delta R.T. 0.011 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

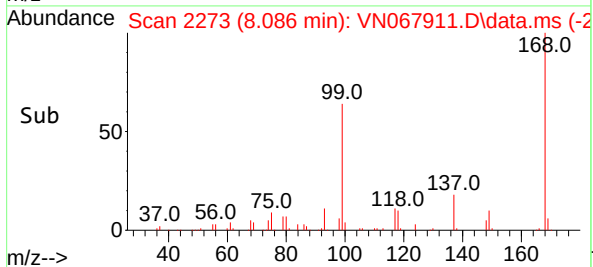
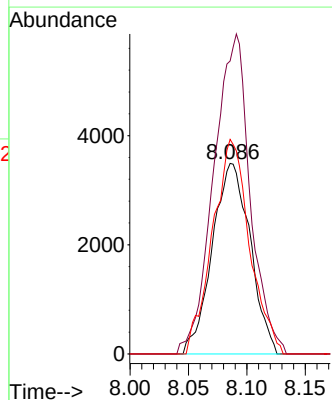
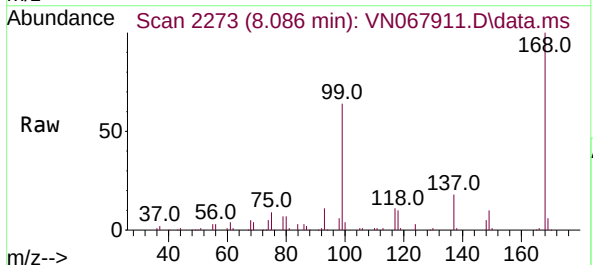
Instrument :
MSVOA_N
ClientSampled :

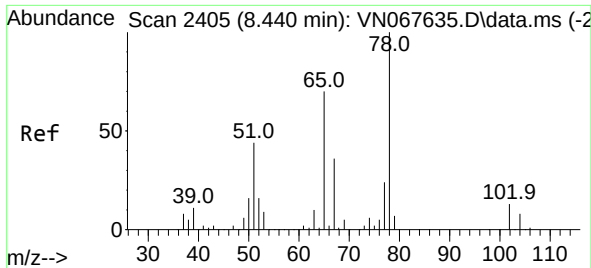
Tgt Ion:	84	Resp:	1382
Ion	Ratio	Lower	Upper
84	100		
49	68.9	110.9	166.3#
51	39.4	32.6	49.0
86	28.6	51.6	77.4#



#31
Cyclohexane
Concen: 1.208 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Tgt Ion:	56	Resp:	7877
Ion	Ratio	Lower	Upper
56	100		
69	148.3	27.3	40.9#
84	112.6	64.9	97.3#

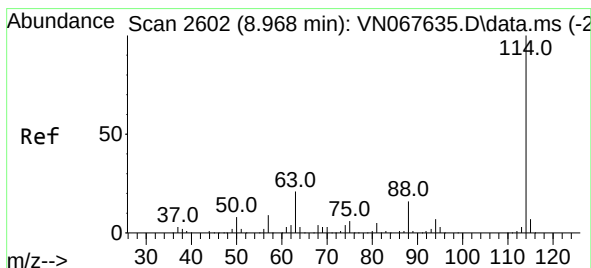
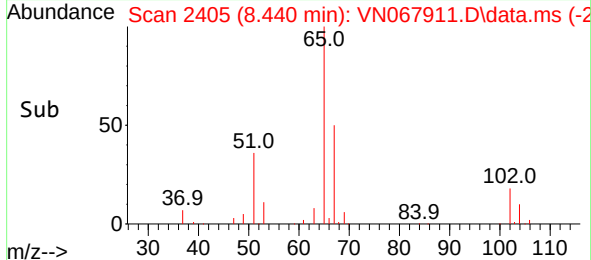
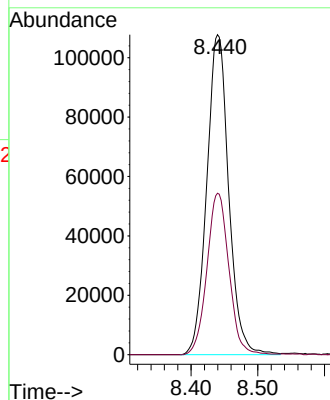
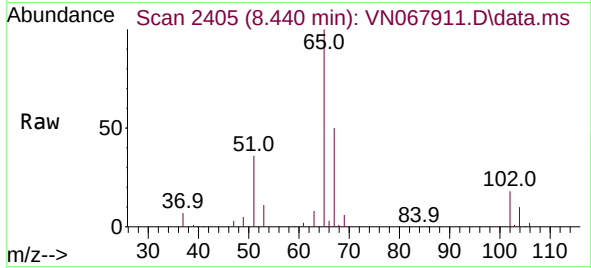




#33
 1,2-Dichloroethane-d4
 Concen: 52.900 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067911.D
 Acq: 26 Jul 2021 16:51

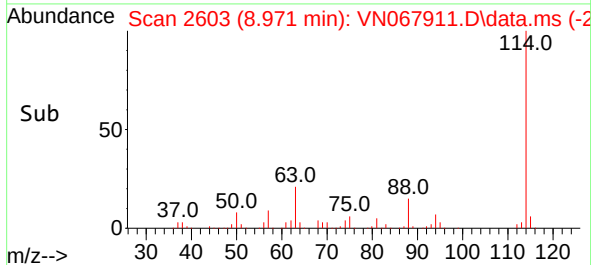
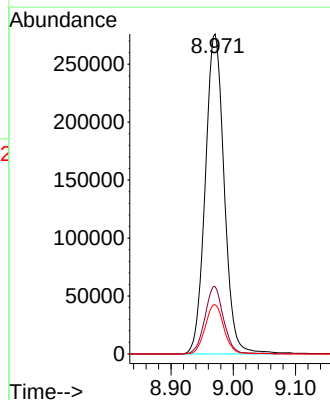
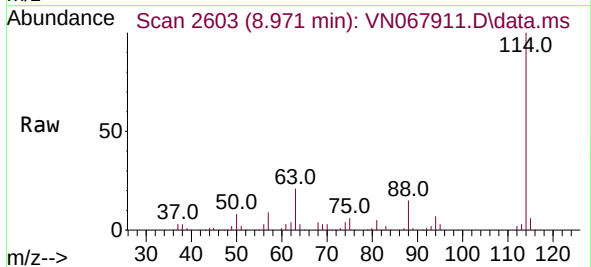
Instrument :
 MSVOA_N
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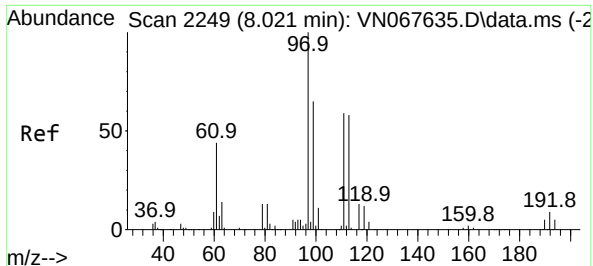
Tgt Ion: 65 Resp: 246102
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067911.D
 Acq: 26 Jul 2021 16:51

Tgt Ion: 114 Resp: 582743
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 49.0
 88 15.4 0.0 36.6

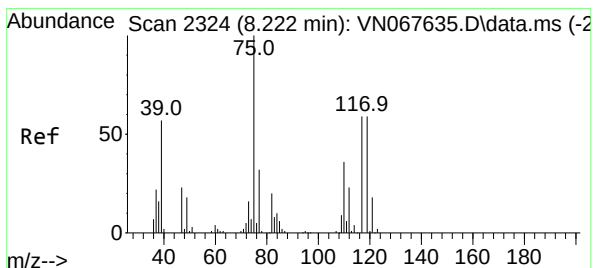
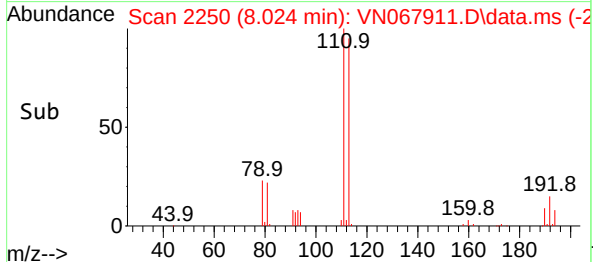
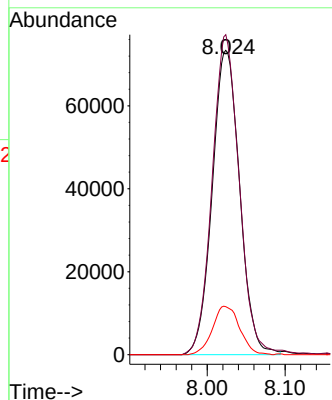
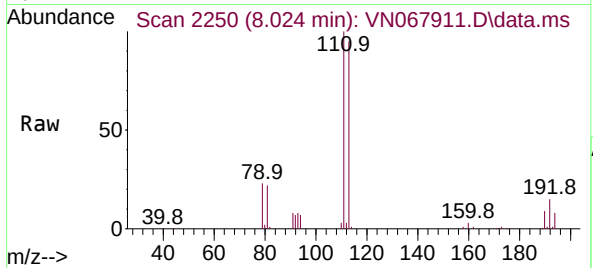




#35
Dibromofluoromethane
Concen: 50.992 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

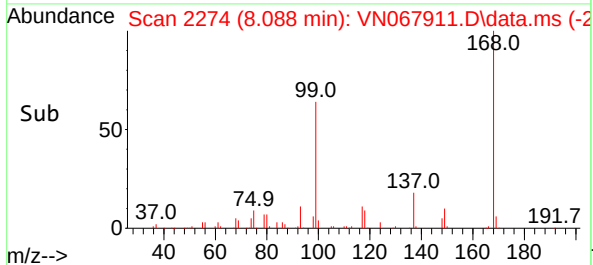
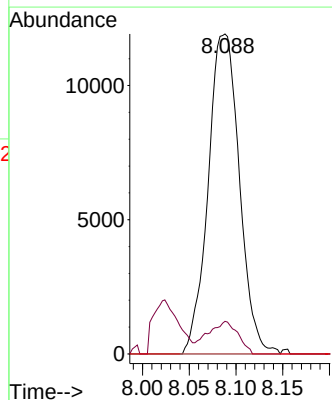
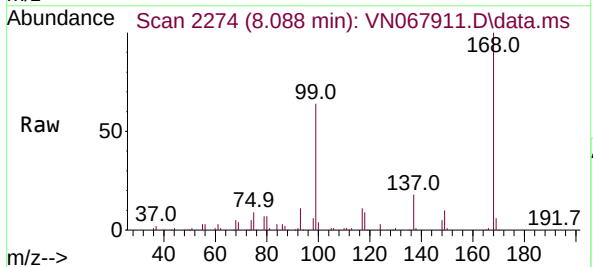
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MSVOA_N
ClientSampleId :

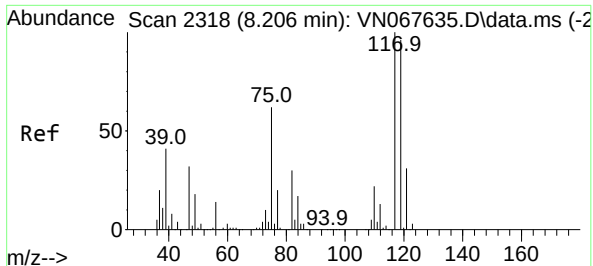
Tgt Ion:113 Resp: 179533
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 15.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.129 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

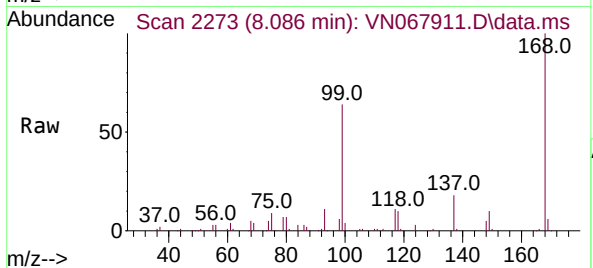
Tgt Ion: 75 Resp: 27765
Ion Ratio Lower Upper
75 100
110 9.9 15.7 47.0#
77 0.0 24.6 37.0#



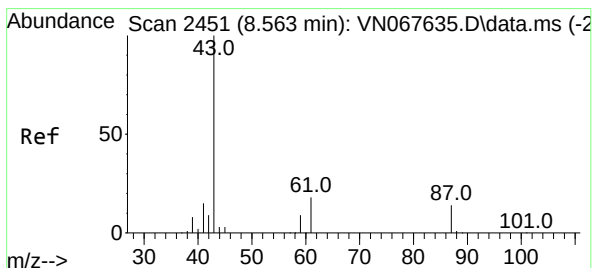
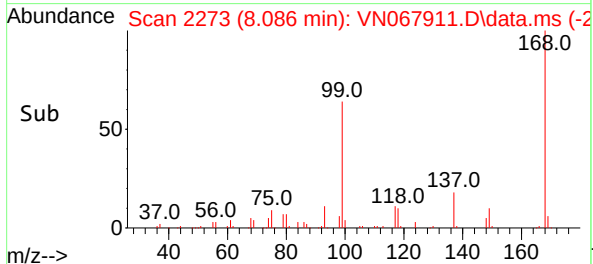
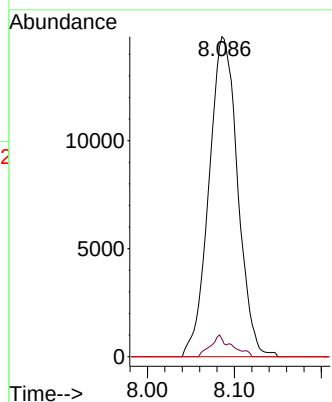


#38
Carbon Tetrachloride
Concen: 6.371 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Instrument :
MSVOA_N
ClientSampled :

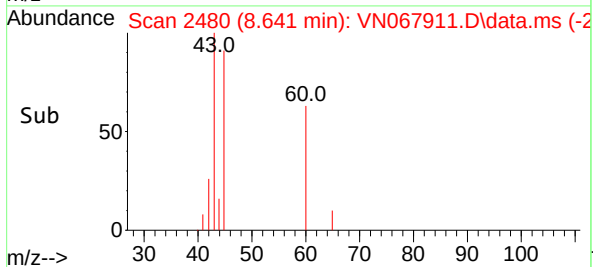
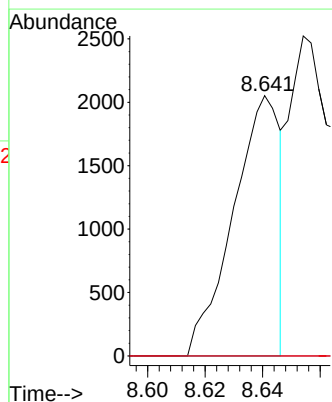
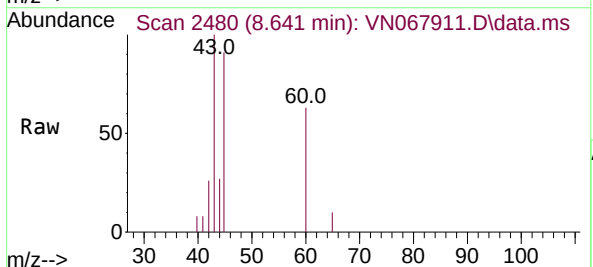


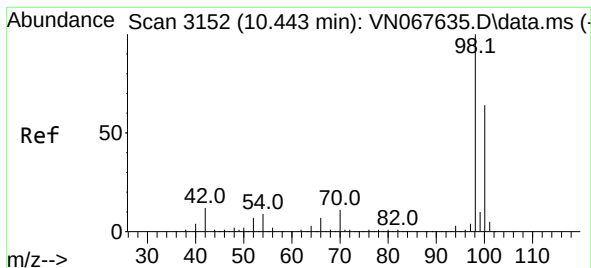
Tgt Ion:117 Resp: 34019
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 0.251 ug/l
RT: 8.641 min Scan# 2480
Delta R.T. 0.078 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Tgt Ion: 43 Resp: 2317
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

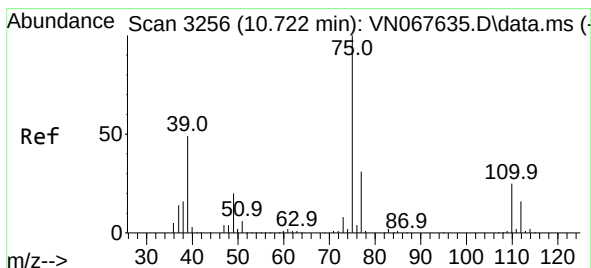
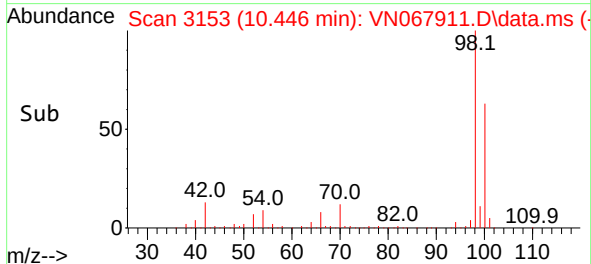
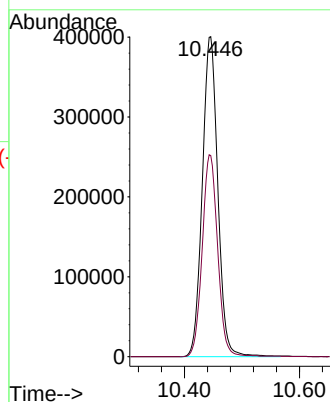
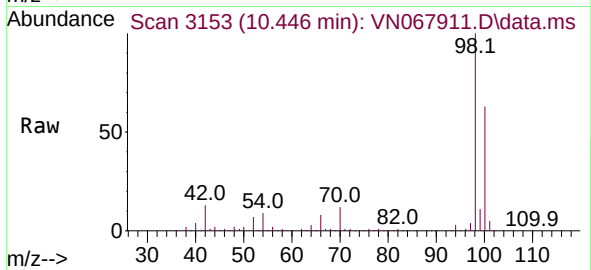




#50
Toluene-d8
Concen: 50.846 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

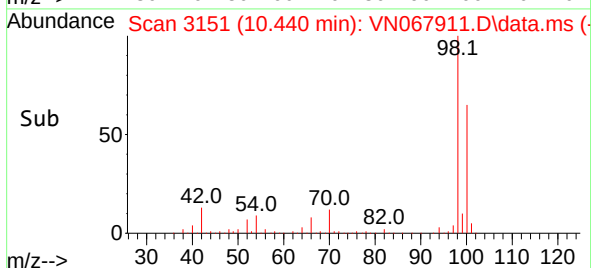
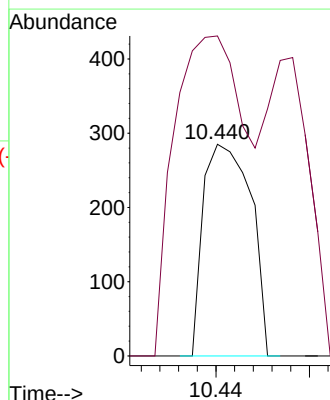
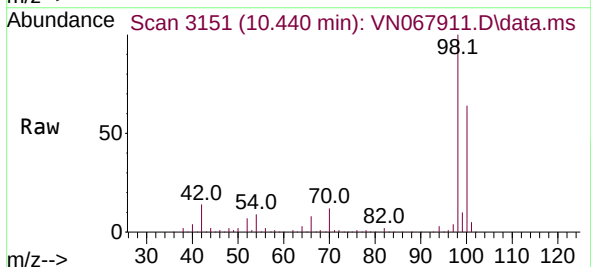
Instrument :
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ClientSampleId :

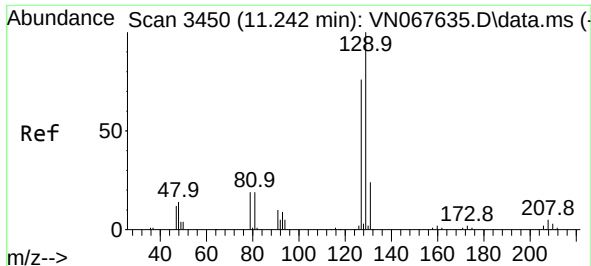
Tgt Ion: 98 Resp: 749329
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.773 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.282 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Tgt Ion: 75 Resp: 202
Ion Ratio Lower Upper
75 100
77 26.7 25.1 37.7

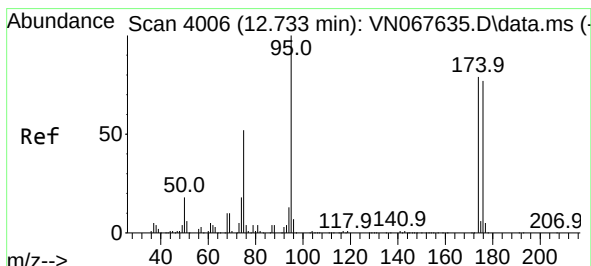
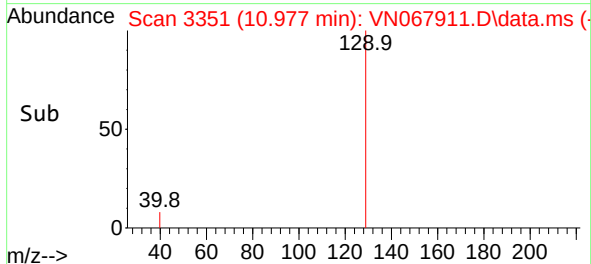
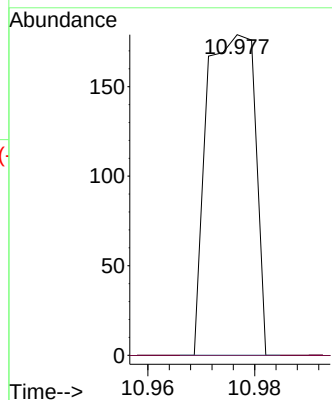
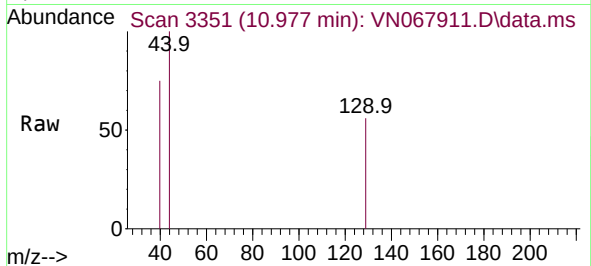




#60
Dibromochloromethane
Concen: 2.378 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.265 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

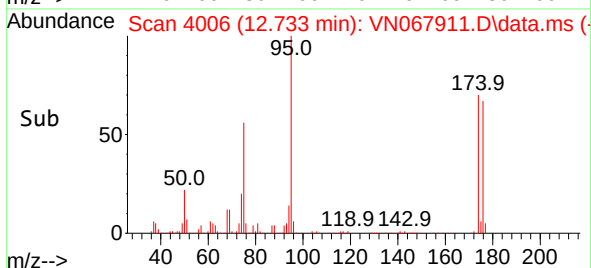
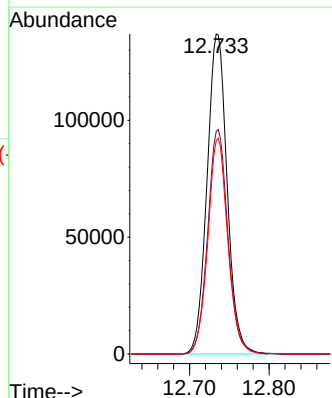
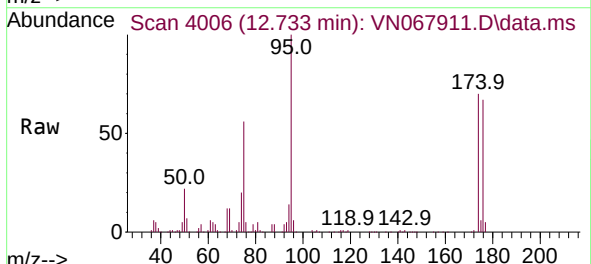
Instrument :
MSVOA_N
ClientSampleId :

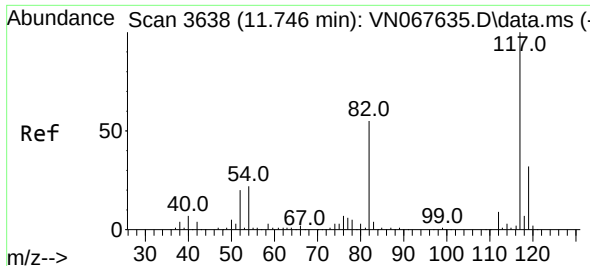
Tgt Ion:129 Resp: 111
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 46.131 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Tgt Ion: 95 Resp: 240159
Ion Ratio Lower Upper
95 100
174 70.8 0.0 122.0
176 66.8 0.0 117.6

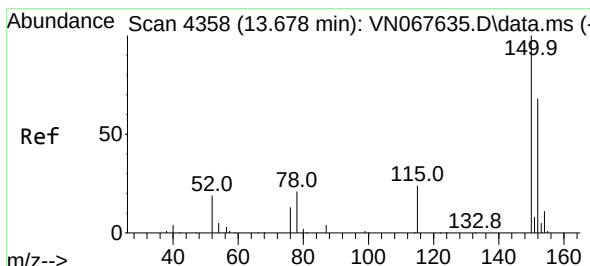
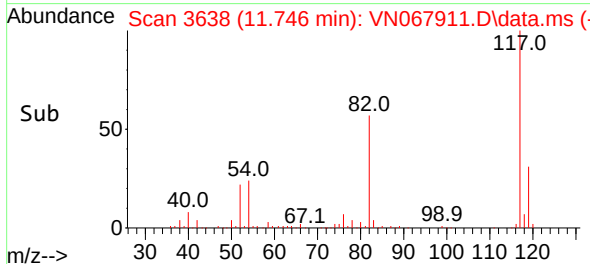
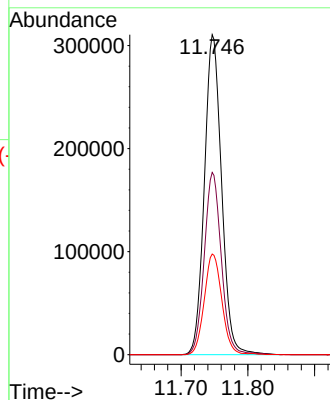
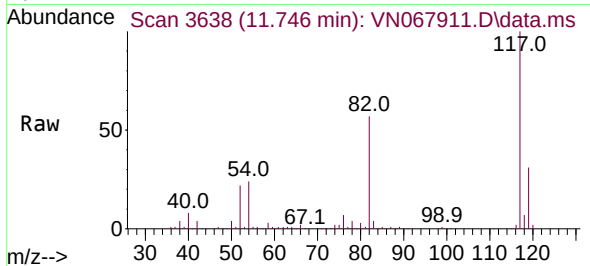




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

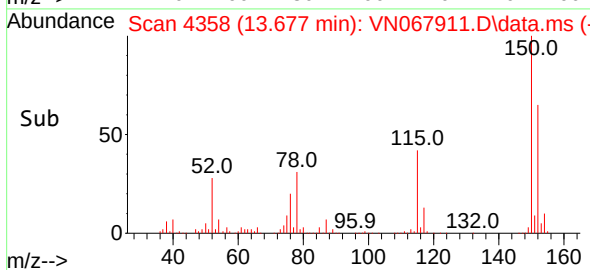
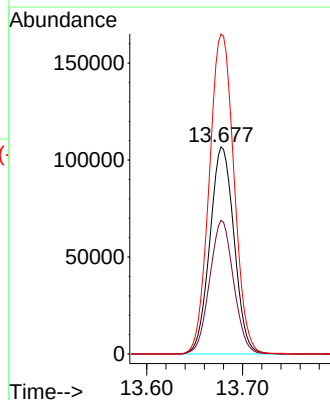
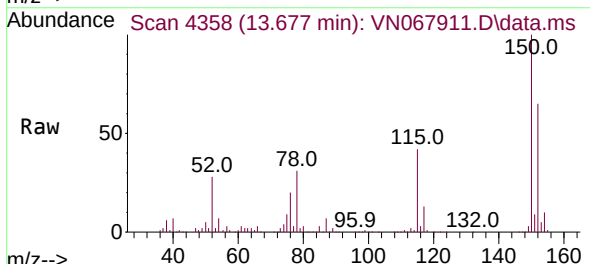
Instrument :
MSVOA_N
ClientSampleId :

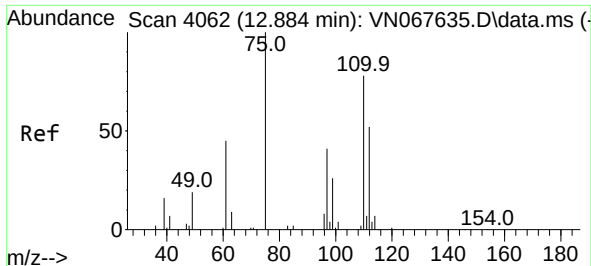
Tgt Ion:117 Resp: 556389
Ion Ratio Lower Upper
117 100
82 57.0 53.1 79.7
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

Tgt Ion:152 Resp: 187679
Ion Ratio Lower Upper
152 100
115 63.8 36.1 108.5
150 157.8 0.0 351.8

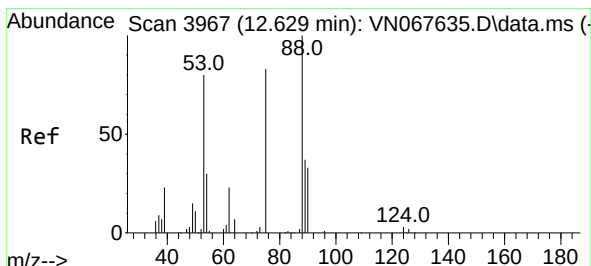
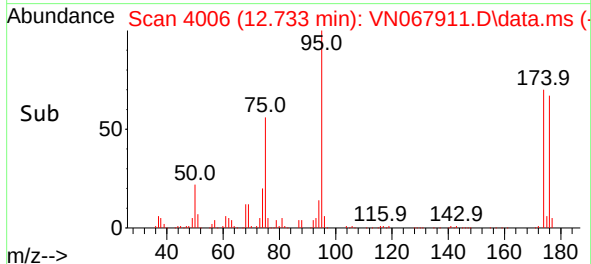
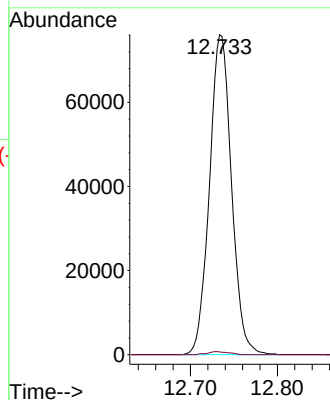
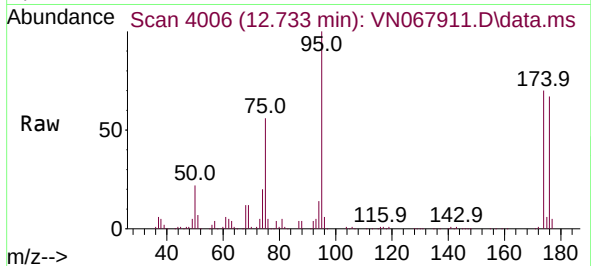




#76
1,2,3-Trichloropropane
Concen: 34.940 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

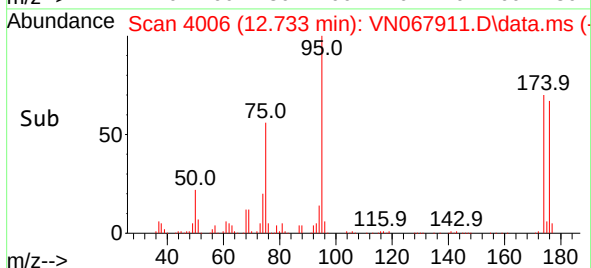
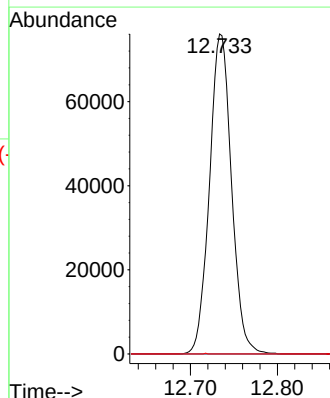
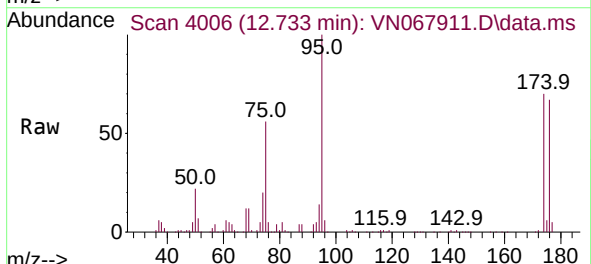
Instrument :
MSVOA_N
ClientSampleId :

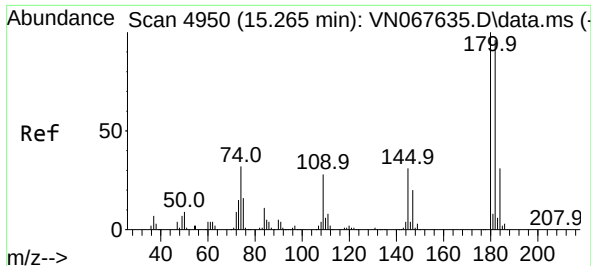
Tgt Ion: 75 Resp: 133917
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.651 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

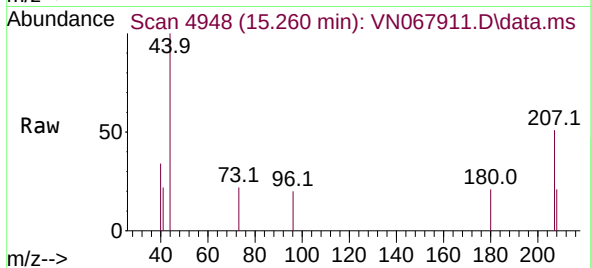
Tgt Ion: 75 Resp: 133917
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



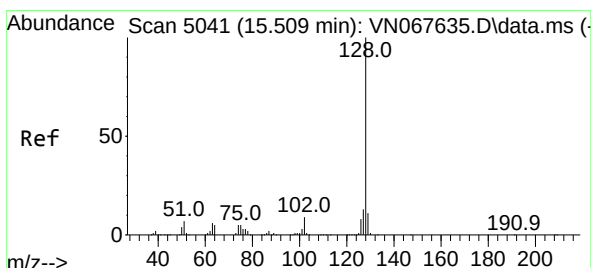
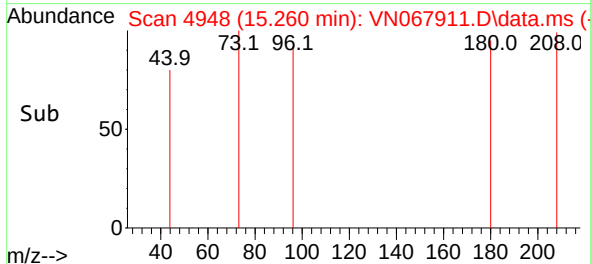
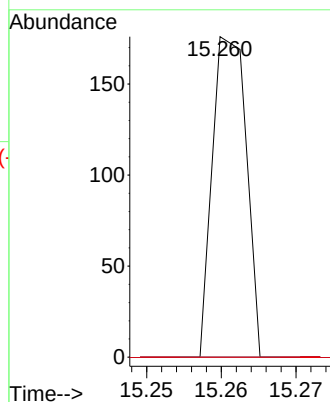


#93
1,2,4-Trichlorobenzene
Concen: 2.691 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51

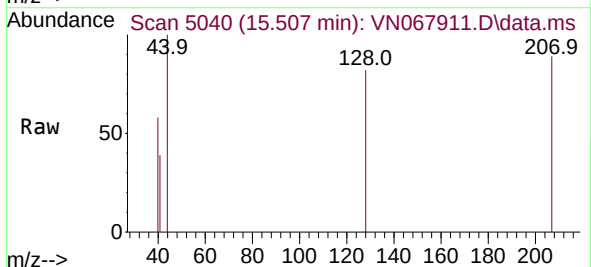
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:180 Resp: 56
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.094 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.002 min
Lab File: VN067911.D
Acq: 26 Jul 2021 16:51



Tgt Ion:128 Resp: 797
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

