

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072121\
 Data File : VN067850.D
 Acq On : 21 Jul 2021 19:55
 Operator : JC/MD
 Sample : M3089-22
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 22 02:15:18 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)

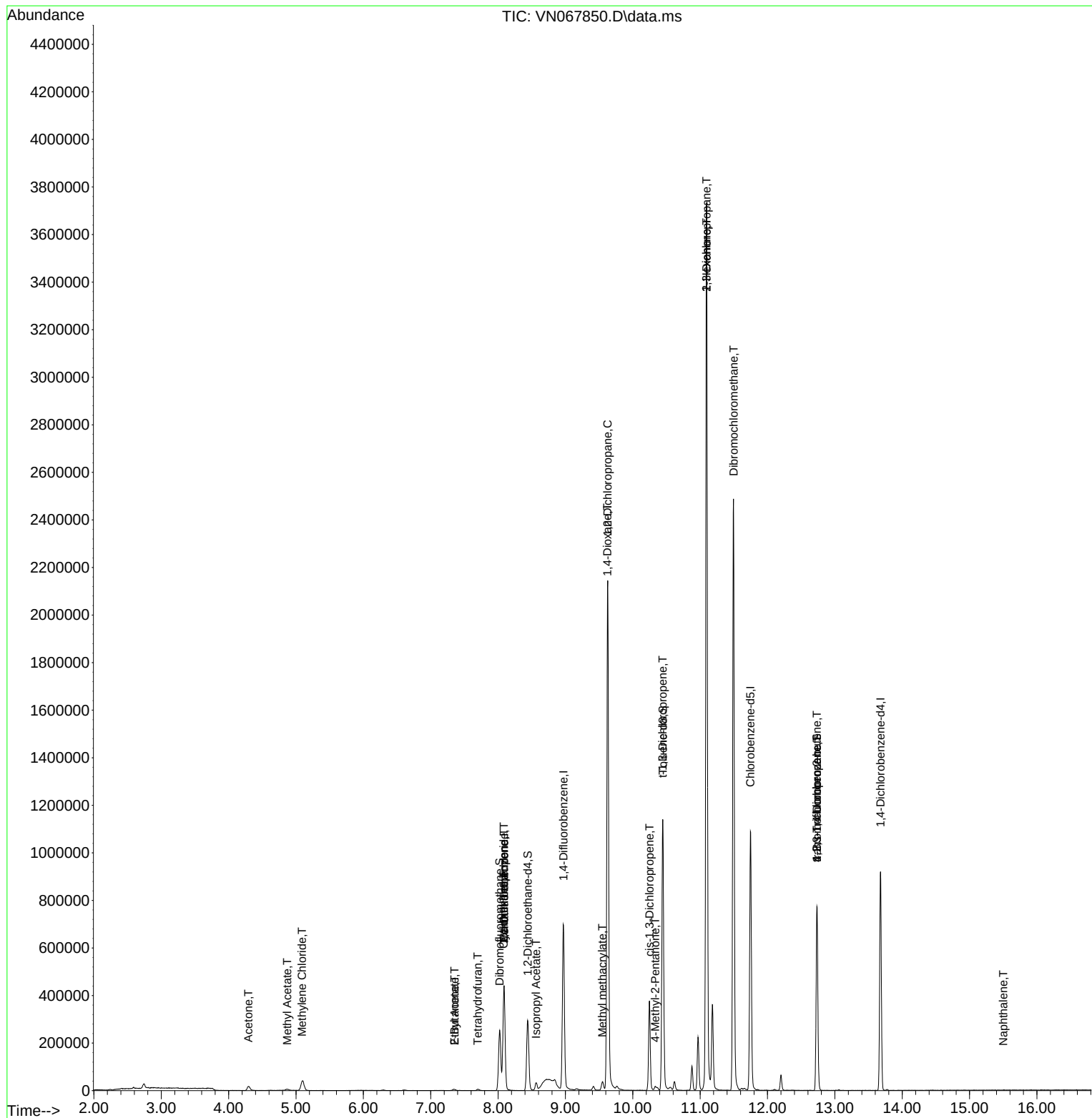
Internal Standards						
1) Pentafluorobenzene	8.091	168	312984	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	609766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	637713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	235451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	255574	54.031	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.060%			
35) Dibromofluoromethane	8.024	113	181999	49.402	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.800%			
50) Toluene-d8	10.446	98	793893	51.483	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.960%			
62) 4-Bromofluorobenzene	12.733	95	276024	50.671	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.340%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.829	94	105	Below Cal	#	4
6) Chloroethane	3.030	64	25	Below Cal	#	44
13) Acrolein	4.041	56	86	Below Cal	#	62
16) Acetone	4.293	43	35127	23.601	ug/l #	89
18) Methyl Acetate	4.870	43	11207	2.681	ug/l	97
20) Methylene Chloride	5.090	84	17185	4.310	ug/l	91
25) 2-Butanone	7.353	43	8068	3.264	ug/l	99
29) Tetrahydrofuran	7.697	42	1896	1.167	ug/l #	57
31) Cyclohexane	8.083	56	8314	1.254	ug/l #	7
36) 1,1-Dichloropropene	8.086	75	28947	5.111	ug/l #	53
37) Ethyl Acetate	7.353	43	8068	1.470	ug/l #	69
38) Carbon Tetrachloride	8.088	117	33762	6.043	ug/l #	17
43) Isopropyl Acetate	8.566	43	40516	4.197	ug/l #	86
45) 1,2-Dichloropropane	9.628	63	2713	0.632	ug/l #	44
48) Methyl methacrylate	9.550	41	9933	2.326	ug/l #	12
49) 1,4-Dioxane	9.622	88	314	35.711	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	7814	1.318	ug/l #	67
53) t-1,3-Dichloropropene	10.443	75	58	1.752	ug/l #	79
54) cis-1,3-Dichloropropene	10.247	75	65762	9.931	ug/l #	58
57) 1,3-Dichloropropane	11.095	76	38801	5.316	ug/l #	43
59) 2-Hexanone	11.095	43	571649	138.086	ug/l #	54
60) Dibromochloromethane	11.497	129	378	2.426	ug/l #	11
76) 1,2,3-Trichloropropane	12.733	75	154689	32.171	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	154689	103.723	ug/l #	6
95) Naphthalene	15.501	128	448	3.049	ug/l #	69

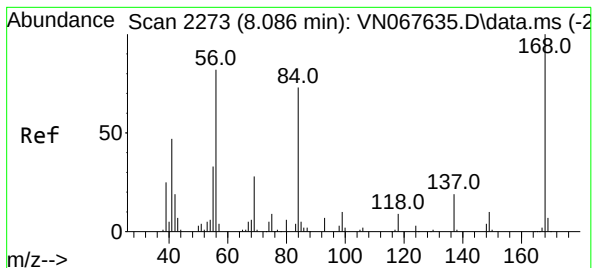
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 07 16:18:53 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. 0.005 min

Lab File: VN067850.D

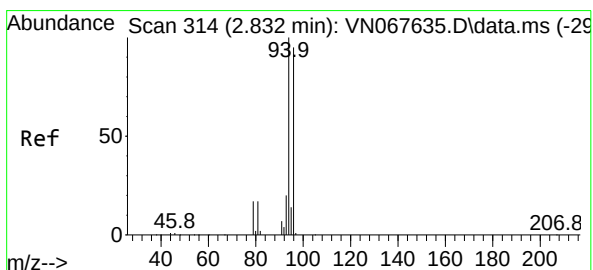
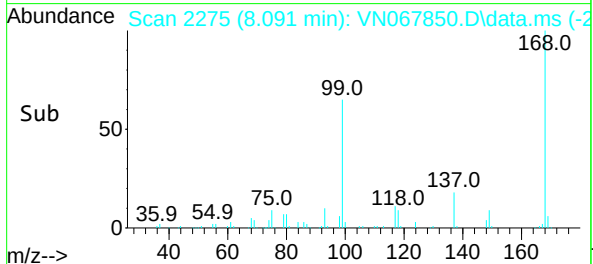
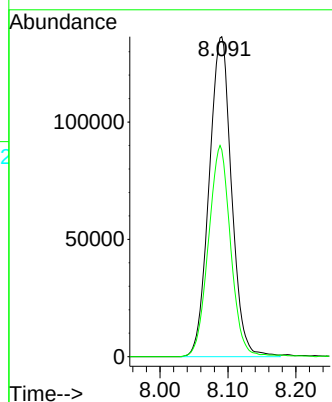
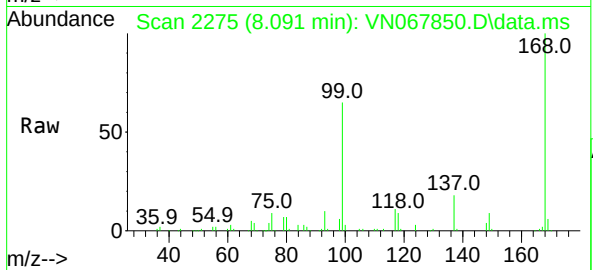
Acq: 21 Jul 2021 19:55

Tgt Ion:168 Resp: 312984

Ion Ratio Lower Upper

168 100

99 64.6 62.9 94.3



#5

Bromomethane

Concen: Below Cal

RT: 2.829 min Scan# 313

Delta R.T. -0.003 min

Lab File: VN067850.D

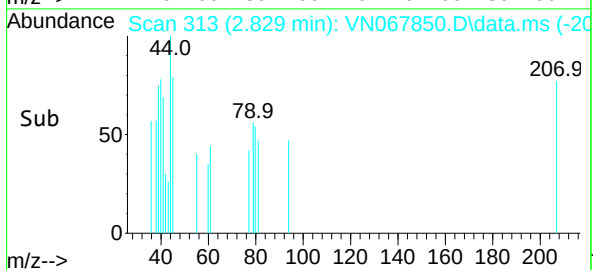
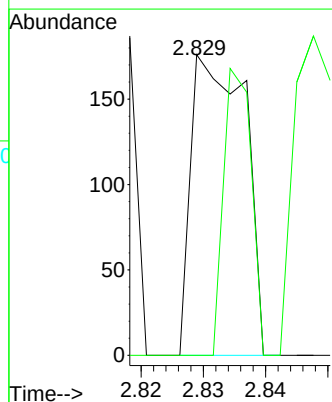
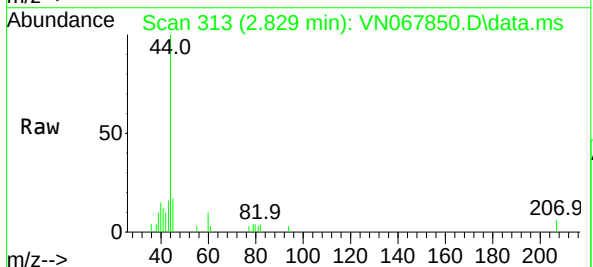
Acq: 21 Jul 2021 19:55

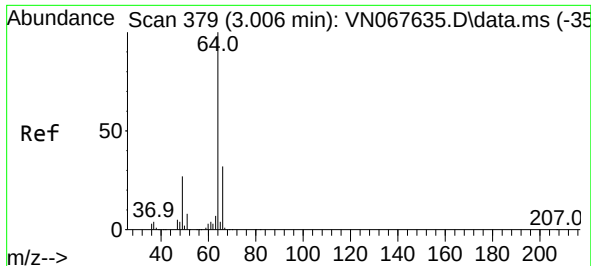
Tgt Ion: 94 Resp: 105

Ion Ratio Lower Upper

94 100

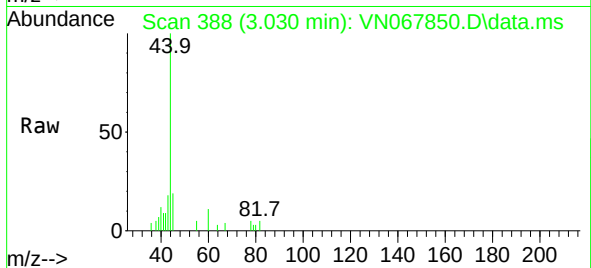
96 0.0 73.7 110.5#



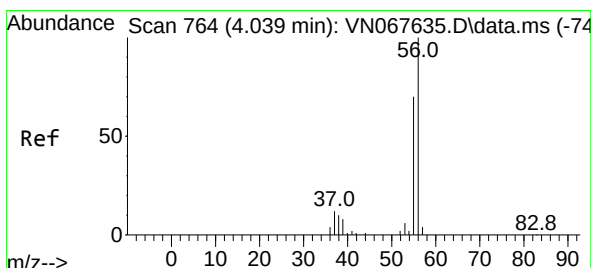
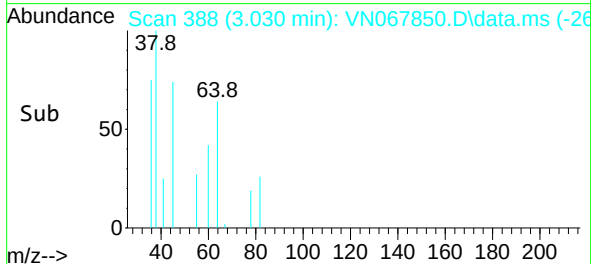
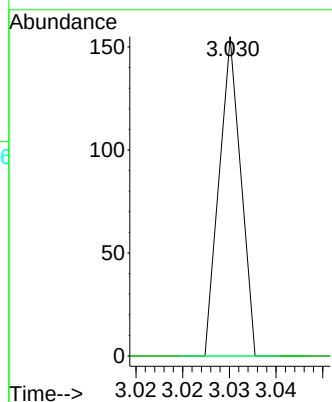


#6
Chloroethane
Concen: Below Cal
RT: 3.030 min Scan# 388
Delta R.T. 0.024 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Instrument :
MSVOA_N
ClientSampled :

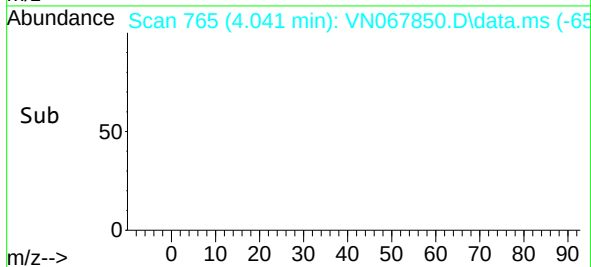
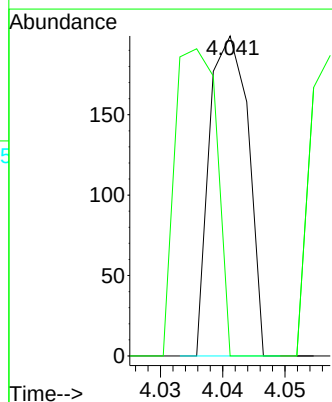
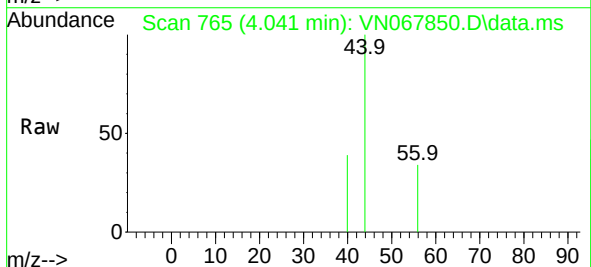


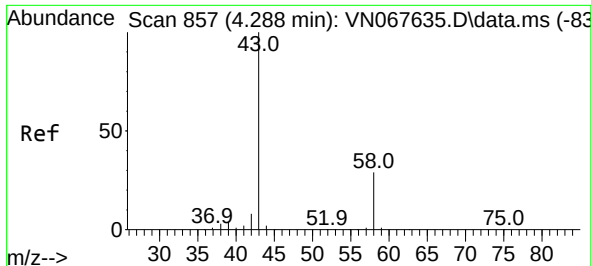
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 103.5 57.4 86.0#

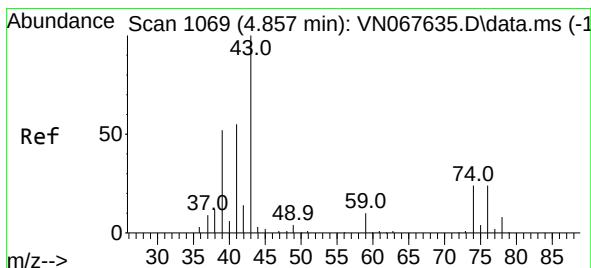
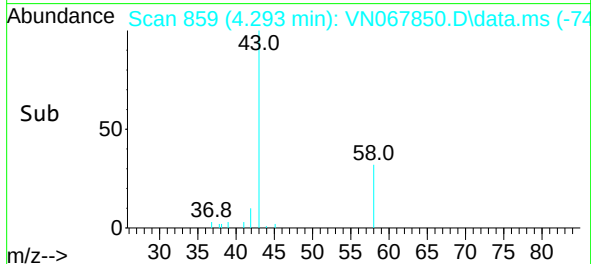
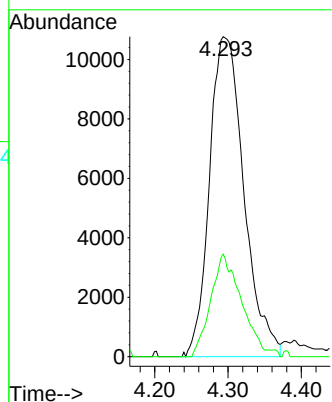
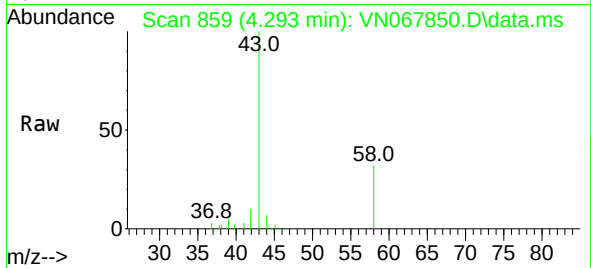




#16
Acetone
Concen: 23.601 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

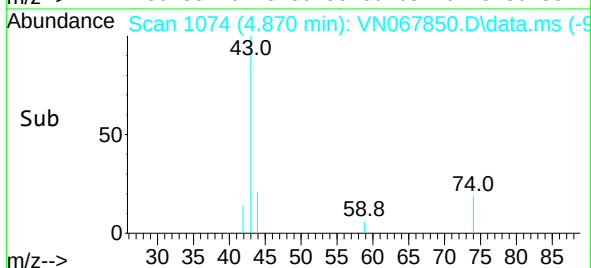
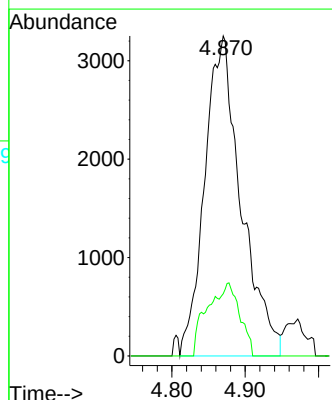
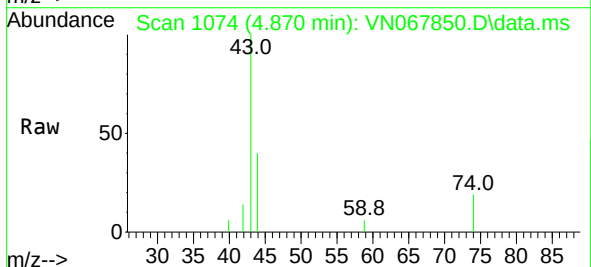
Instrument :
MSVOA_N
ClientSampled :

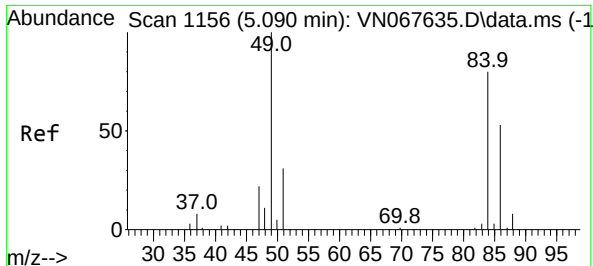
Tgt Ion: 43 Resp: 35127
Ion Ratio Lower Upper
43 100
58 32.1 21.2 31.8#



#18
Methyl Acetate
Concen: 2.681 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.013 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

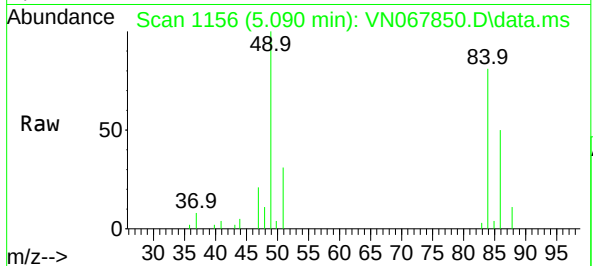
Tgt Ion: 43 Resp: 11207
Ion Ratio Lower Upper
43 100
74 20.2 17.4 26.0



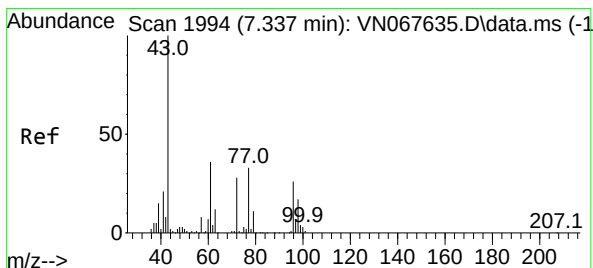
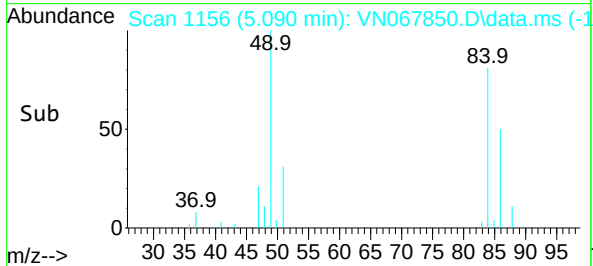
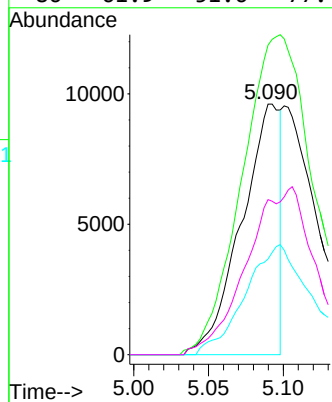


#20
Methylene Chloride
Concen: 4.310 ug/l
RT: 5.090 min Scan# 1156
Delta R.T. -0.000 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

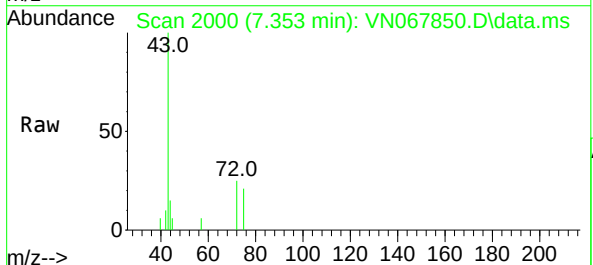
Instrument :
MSVOA_N
ClientSampled :



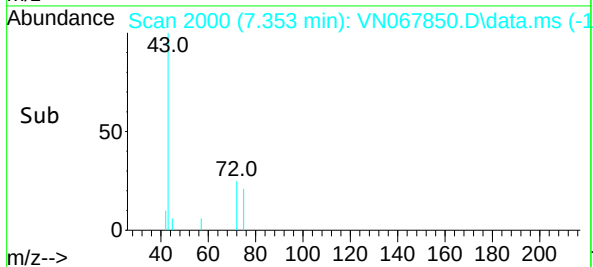
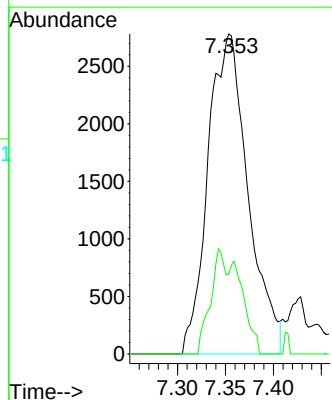
Tgt Ion:	84	Resp:	17185
Ion	Ratio	Lower	Upper
84	100		
49	123.5	110.9	166.3
51	38.2	32.6	49.0
86	61.9	51.6	77.4

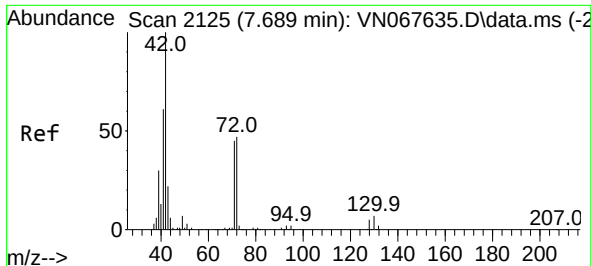


#25
2-Butanone
Concen: 3.264 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.016 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55



Tgt Ion:	43	Resp:	8068
Ion	Ratio	Lower	Upper
43	100		
72	24.9	19.7	29.5





#29

Tetrahydrofuran

Concen: 1.167 ug/l

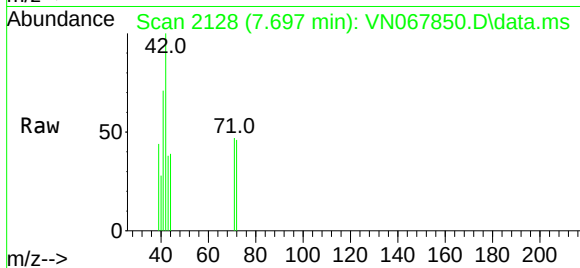
RT: 7.697 min Scan# 2128

Delta R.T. 0.008 min

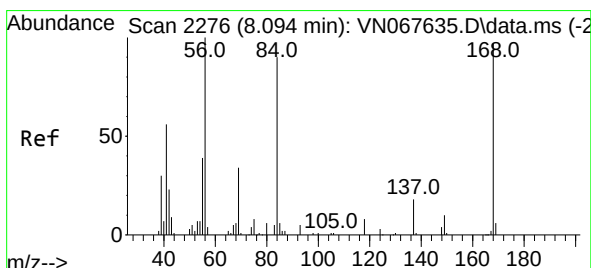
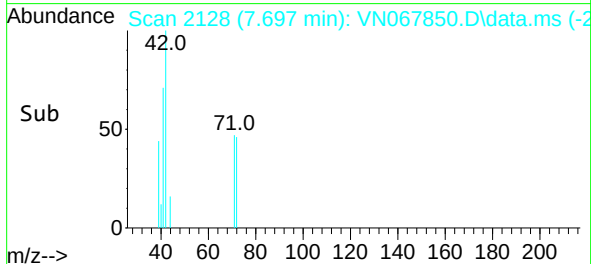
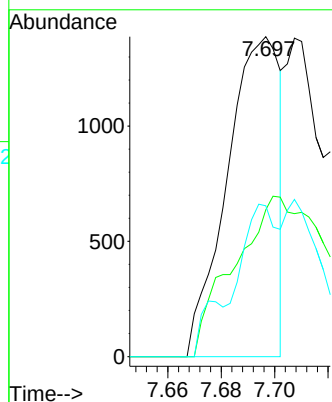
Lab File: VN067850.D

Acq: 21 Jul 2021 19:55

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion:	42	Resp:	1896
Ion	Ratio	Lower	Upper
42	100		
72	90.9	32.8	49.2#
71	41.9	31.2	46.8



#31

Cyclohexane

Concen: 1.254 ug/l

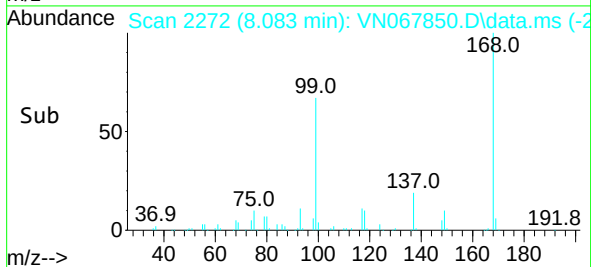
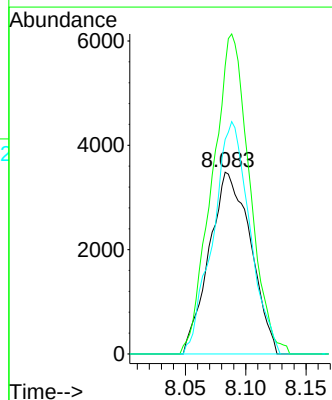
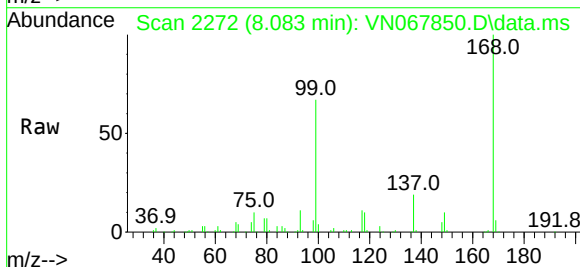
RT: 8.083 min Scan# 2272

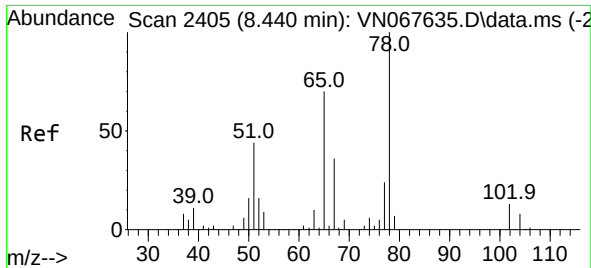
Delta R.T. -0.011 min

Lab File: VN067850.D

Acq: 21 Jul 2021 19:55

Tgt Ion:	56	Resp:	8314
Ion	Ratio	Lower	Upper
56	100		
69	158.4	27.3	40.9#
84	118.0	64.9	97.3#



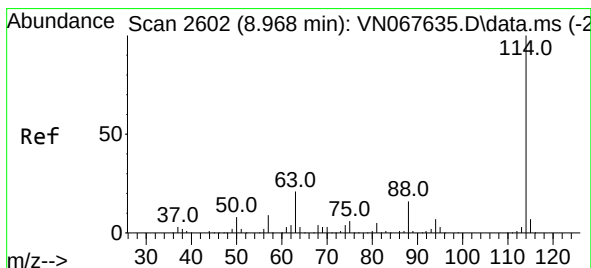
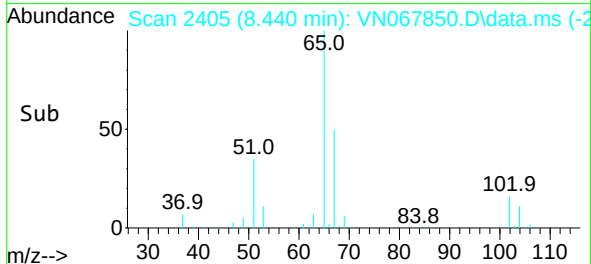
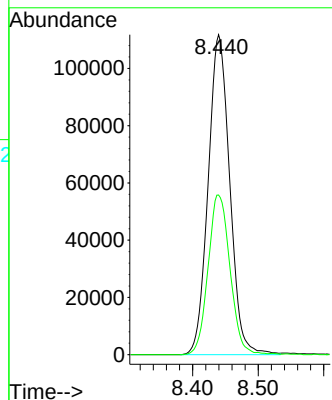
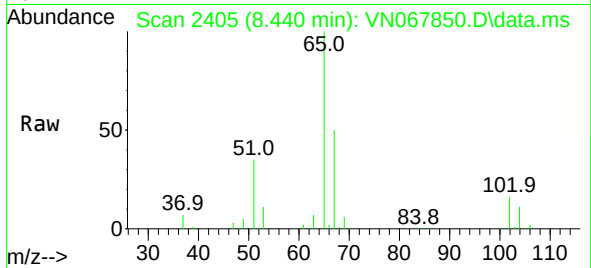


#33

1,2-Dichloroethane-d4
Concen: 54.031 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Instrument :
MSVOA_N
ClientSampled :

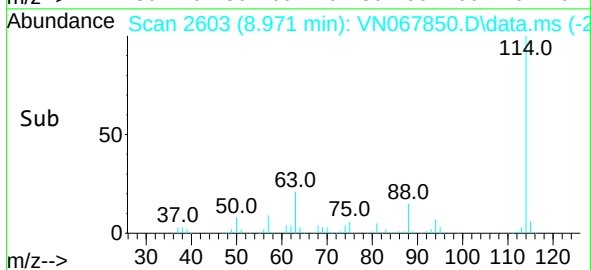
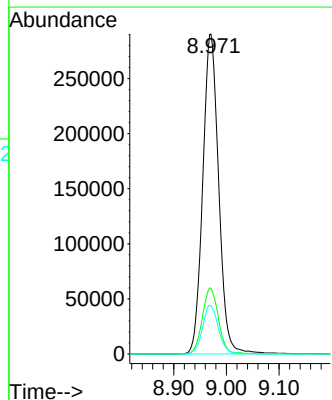
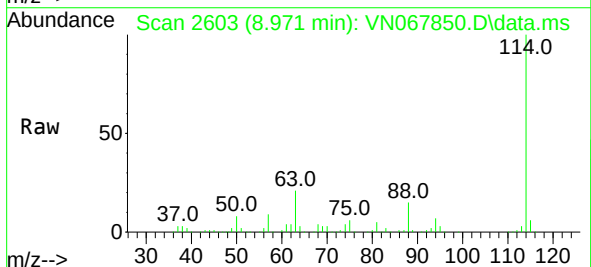
Tgt Ion: 65 Resp: 255574
Ion Ratio Lower Upper
65 100
67 50.7 0.0 98.6

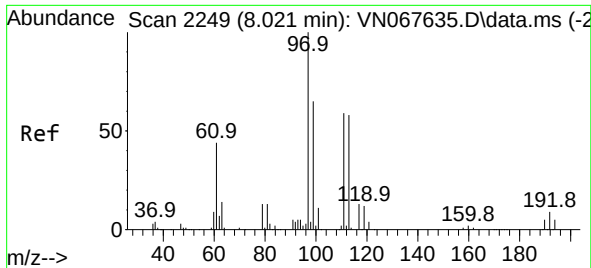


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 114 Resp: 609766
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.0 0.0 36.6

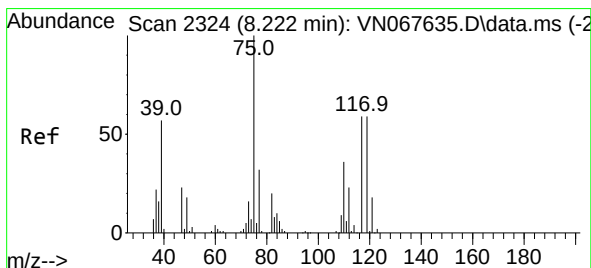
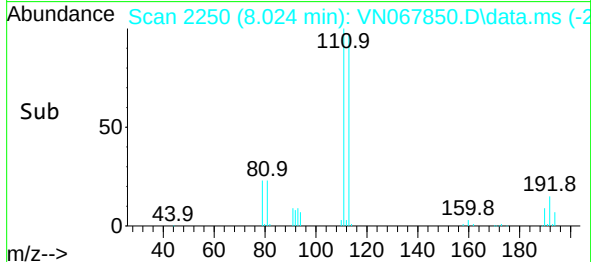
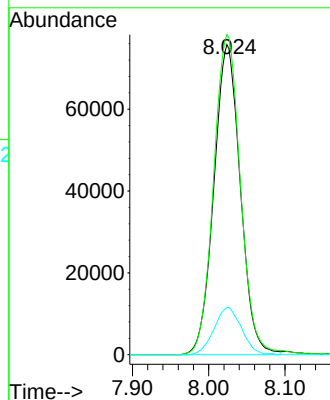
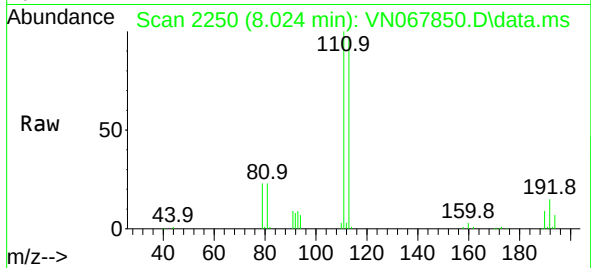




#35
Dibromofluoromethane
Concen: 49.402 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

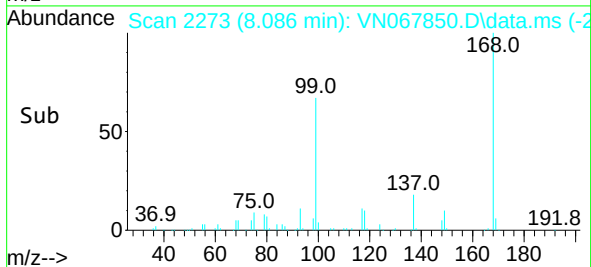
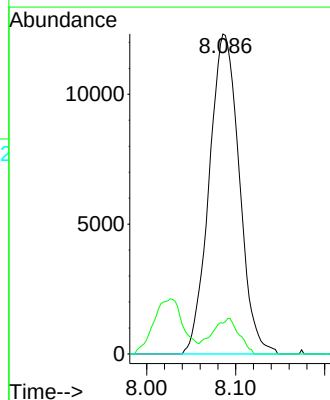
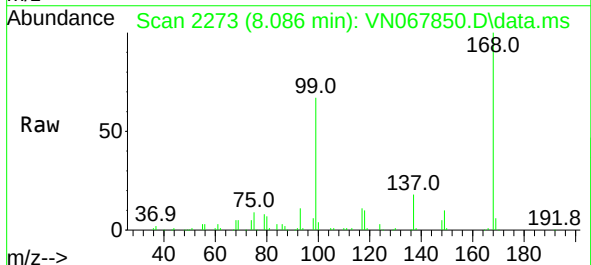
Instrument :
MSVOA_N
ClientSampled :

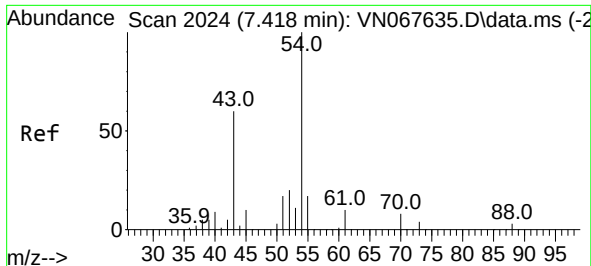
Tgt Ion:113 Resp: 181999
Ion Ratio Lower Upper
113 100
111 105.1 83.8 125.8
192 15.8 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.111 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 75 Resp: 28947
Ion Ratio Lower Upper
75 100
110 10.0 15.7 47.0#
77 0.0 24.6 37.0#

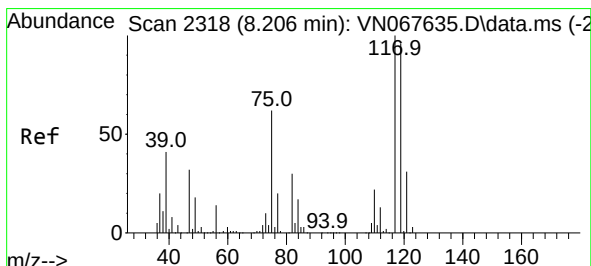
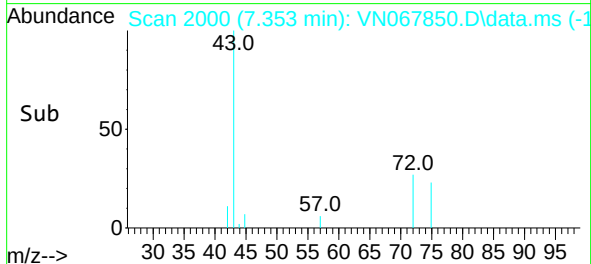
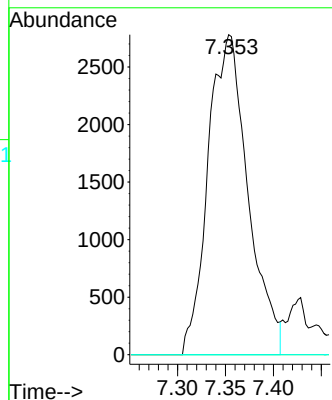
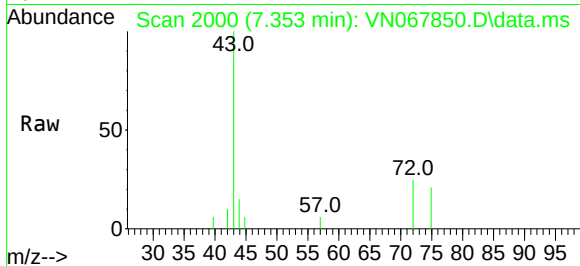




#37
Ethyl Acetate
Concen: 1.470 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. -0.065 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

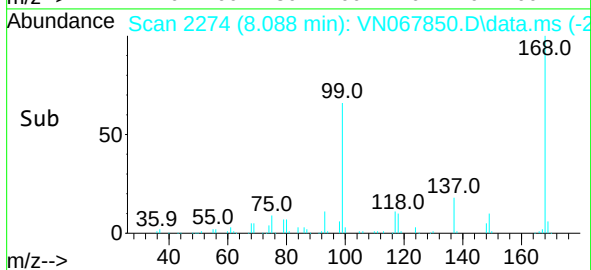
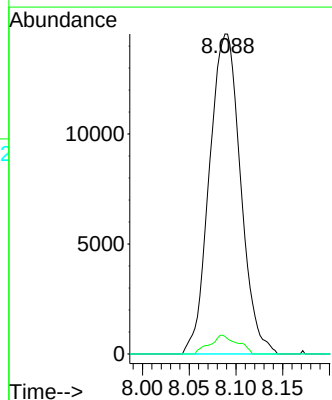
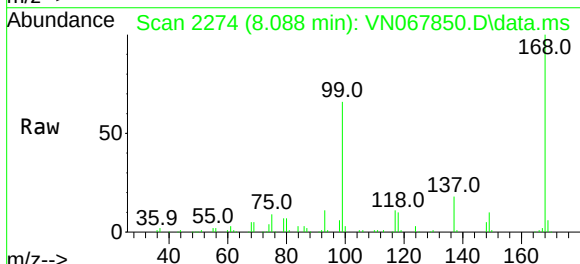
Instrument :
MSVOA_N
ClientSampleId :

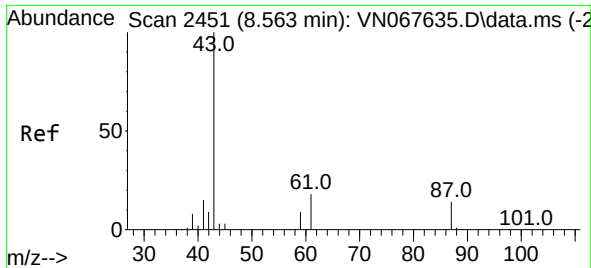
Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 6.043 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

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

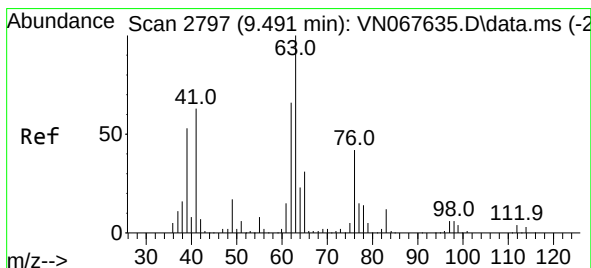
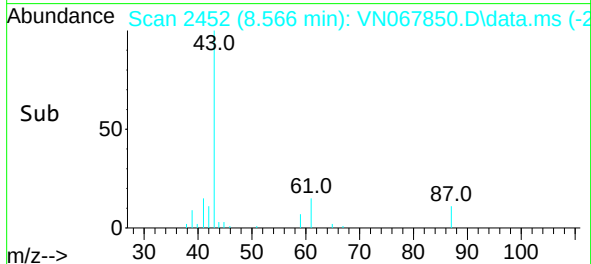
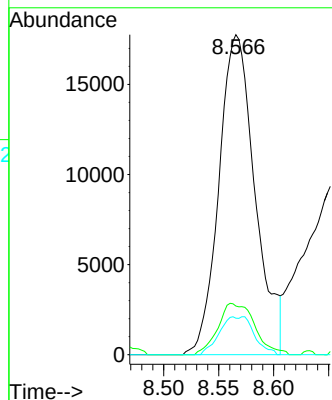
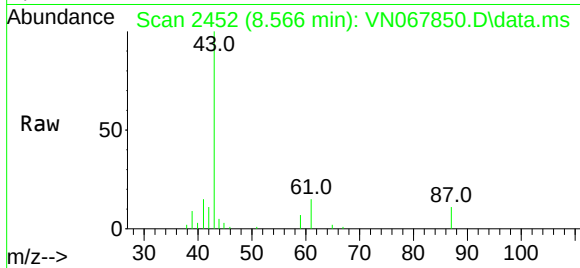




#43
Isopropyl Acetate
Concen: 4.197 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

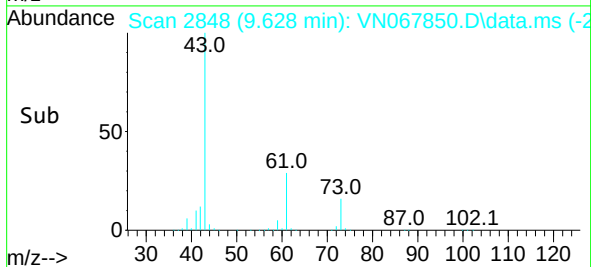
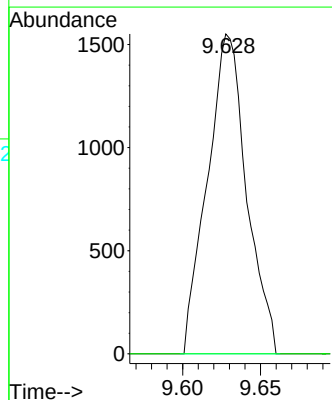
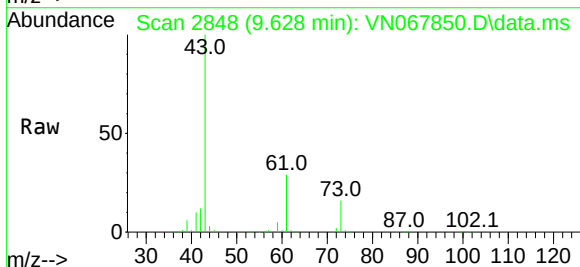
Instrument :
MSVOA_N
ClientSampleId :

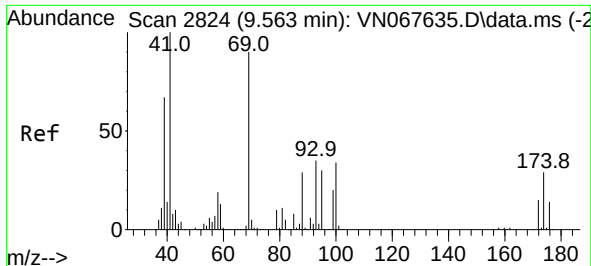
Tgt Ion: 43 Resp: 40516
Ion Ratio Lower Upper
43 100
61 16.4 19.0 28.4#
87 6.6 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.632 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 63 Resp: 2713
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

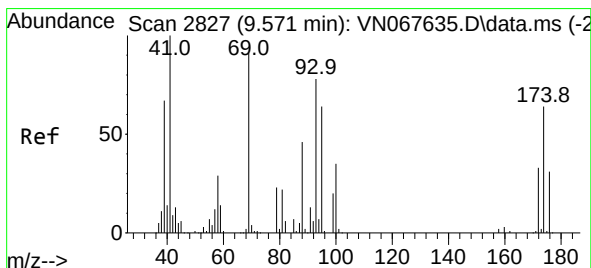
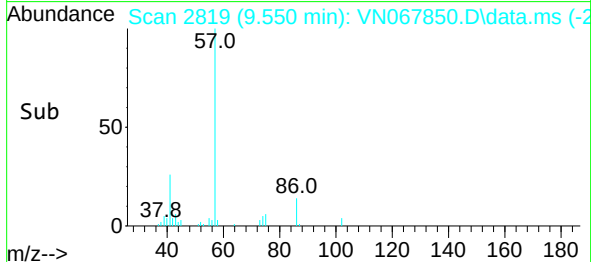
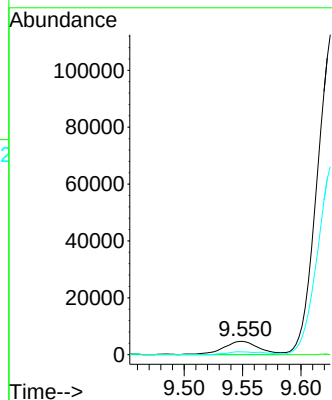
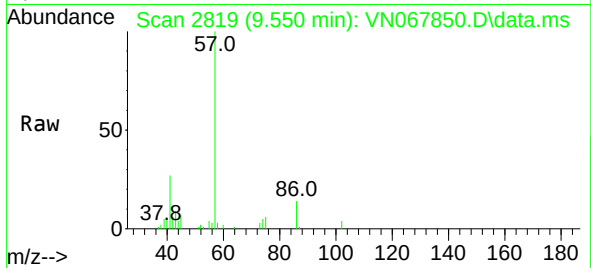




#48
Methyl methacrylate
Concen: 2.326 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.013 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

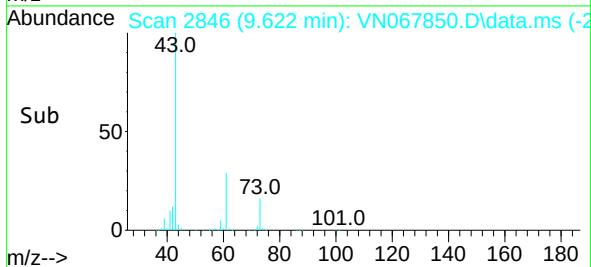
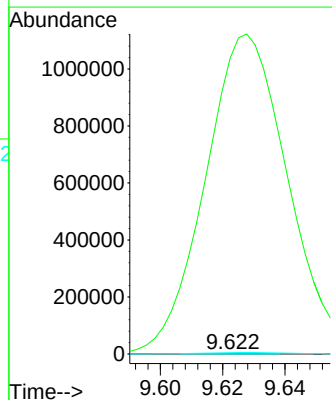
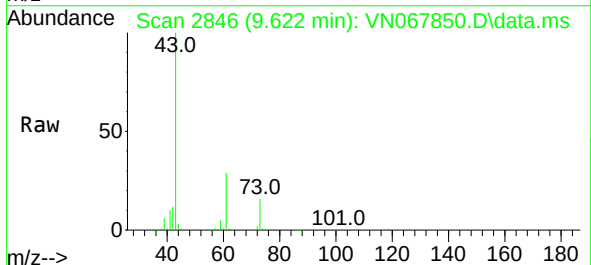
Instrument :
MSVOA_N
ClientSampled :

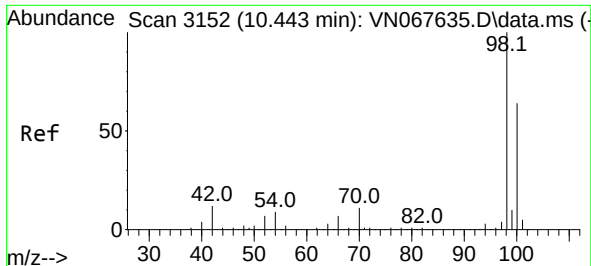
Tgt Ion: 41 Resp: 9933
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 35.711 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.051 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 88 Resp: 314
Ion Ratio Lower Upper
88 100
43 675807.0 28.8 43.2#
58 3015.0 60.4 90.6#

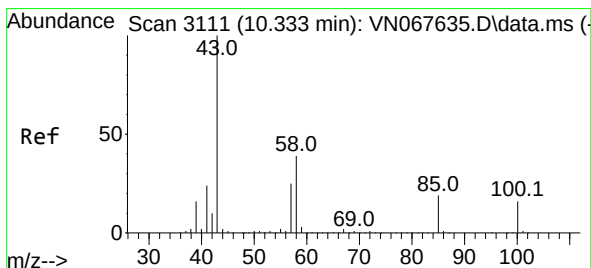
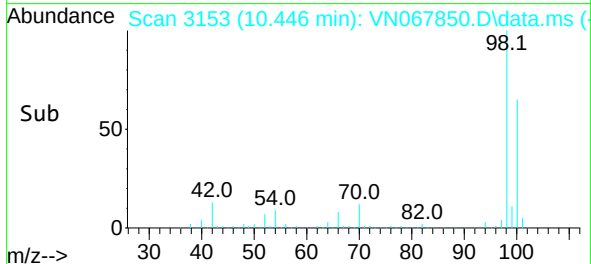
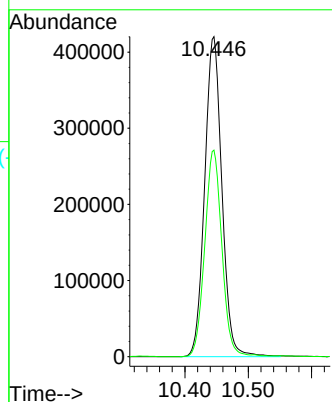
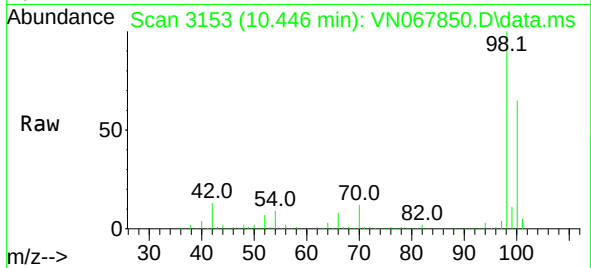




#50
Toluene-d8
Concen: 51.483 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

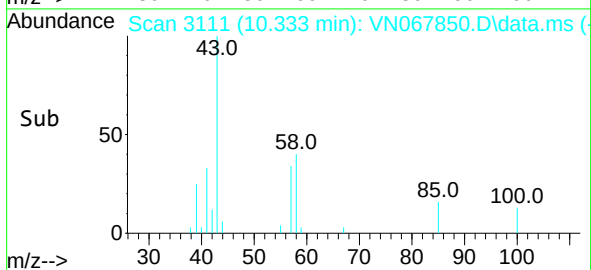
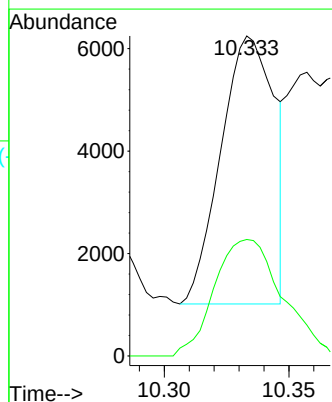
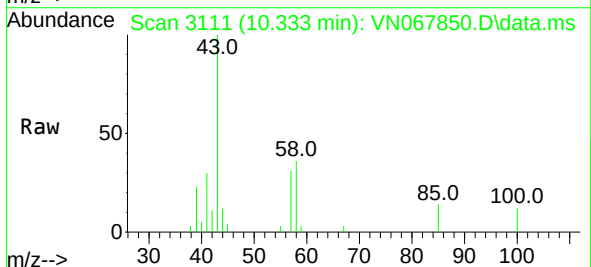
Instrument :
MSVOA_N
ClientSampled :

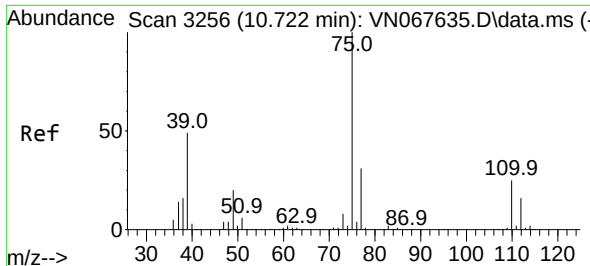
Tgt Ion: 98 Resp: 793893
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.318 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 43 Resp: 7814
Ion Ratio Lower Upper
43 100
58 55.0 28.6 43.0#

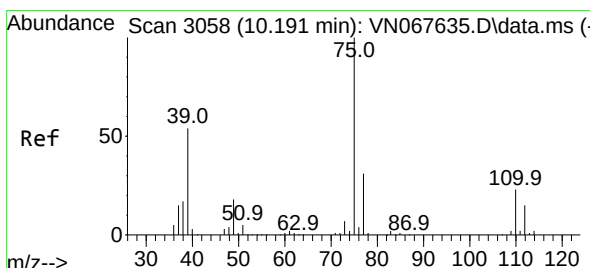
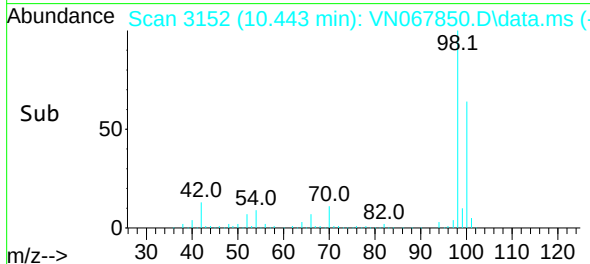
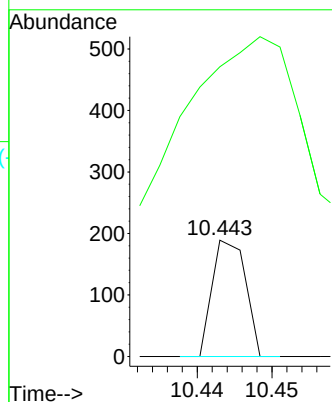
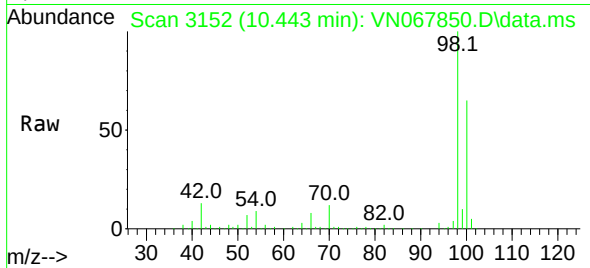




#53
t-1,3-Dichloropropene
Concen: 1.752 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

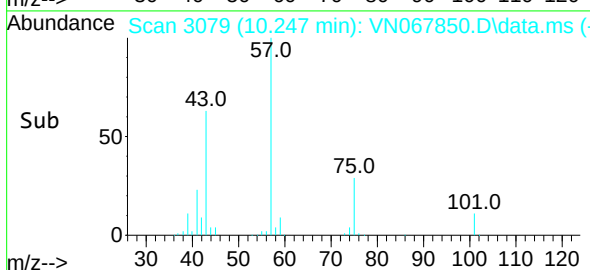
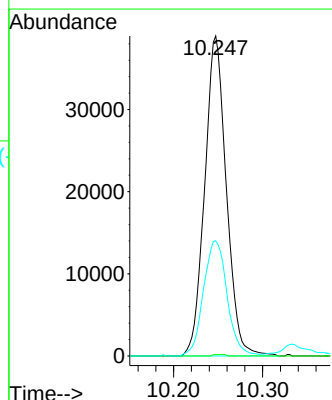
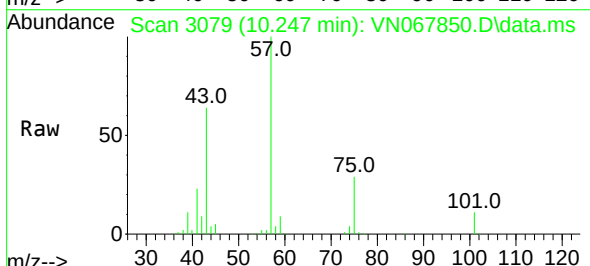
Instrument :
MSVOA_N
ClientSampled :

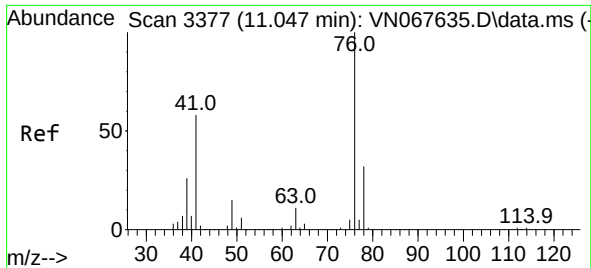
Tgt Ion: 75 Resp: 58
Ion Ratio Lower Upper
75 100
77 42.9 25.1 37.7#



#54
cis-1,3-Dichloropropene
Concen: 9.931 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 75 Resp: 65762
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 35.6 50.7 76.1#

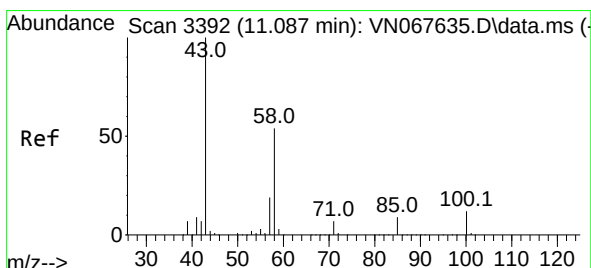
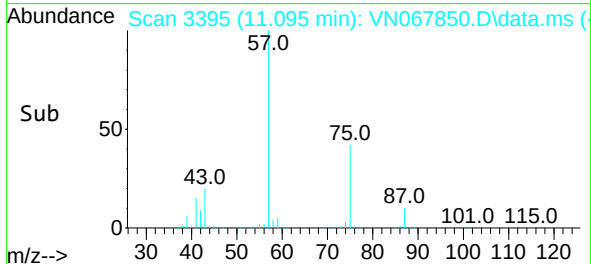
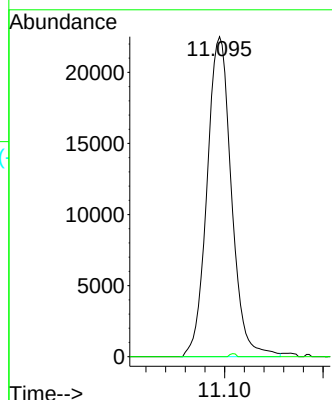
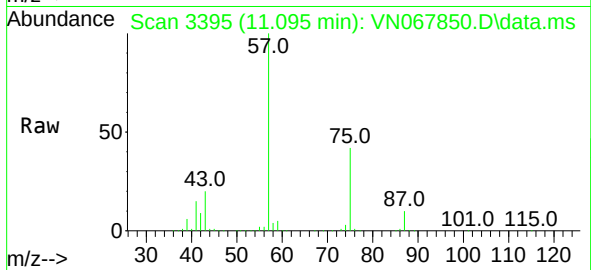




#57
1,3-Dichloropropane
Concen: 5.316 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

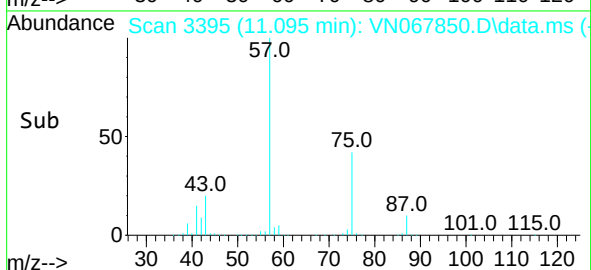
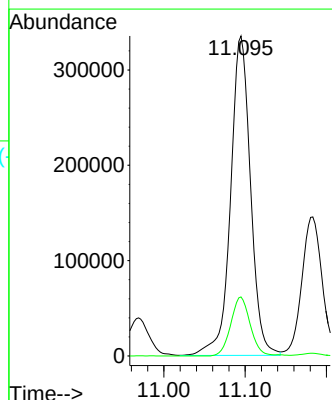
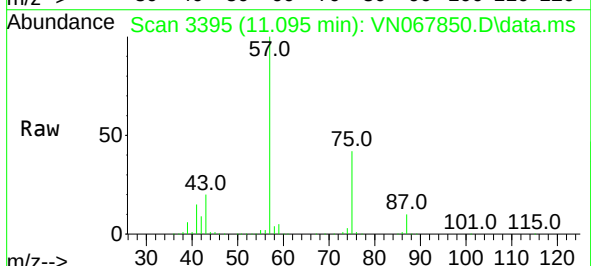
Instrument :
MSVOA_N
ClientSampled :

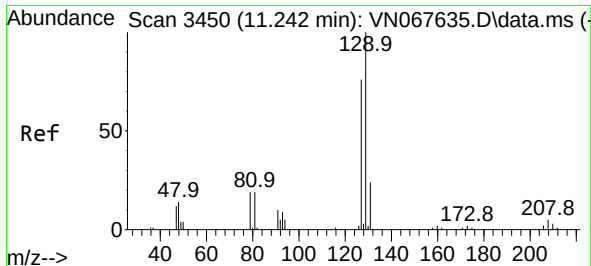
Tgt Ion: 76 Resp: 38801
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 138.086 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 43 Resp: 571649
Ion Ratio Lower Upper
43 100
58 18.2 24.7 74.1#

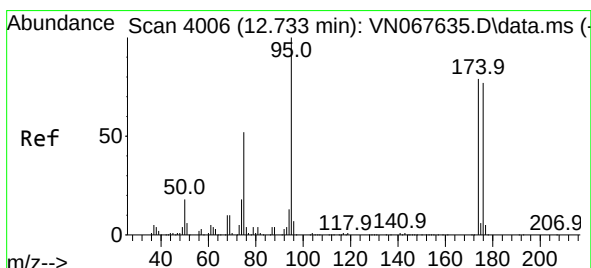
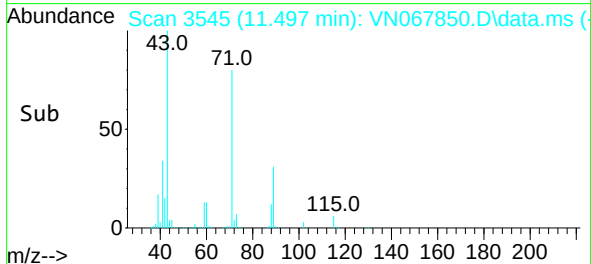
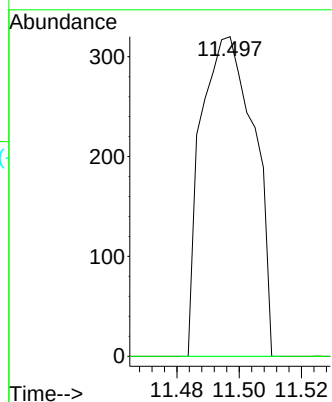
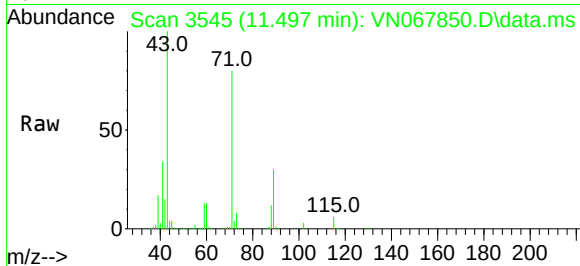




#60
Dibromochloromethane
Concen: 2.426 ug/l
RT: 11.497 min Scan# 3545
Delta R.T. 0.255 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

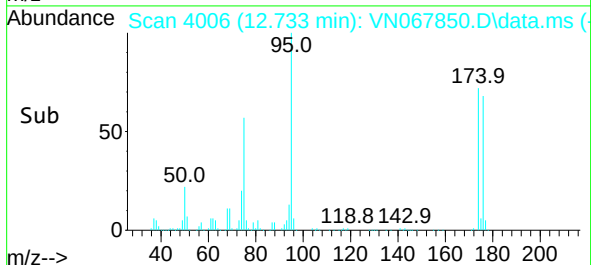
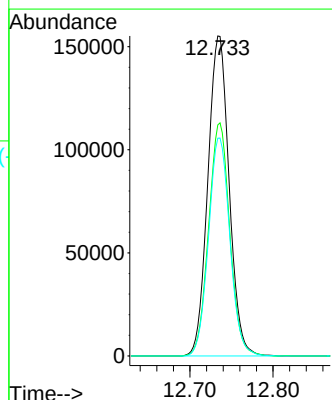
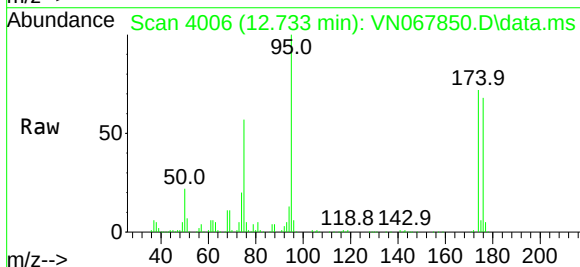
Instrument :
MSVOA_N
ClientSampleId :

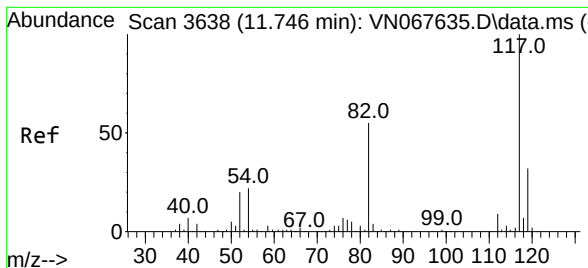
Tgt Ion:129 Resp: 378
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 50.671 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion: 95 Resp: 276024
Ion Ratio Lower Upper
95 100
174 72.6 0.0 122.0
176 68.4 0.0 117.6

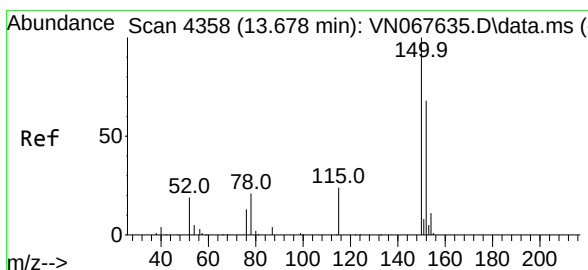
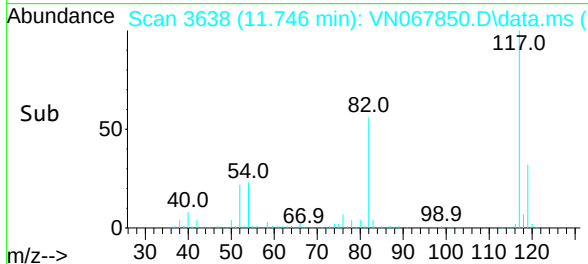
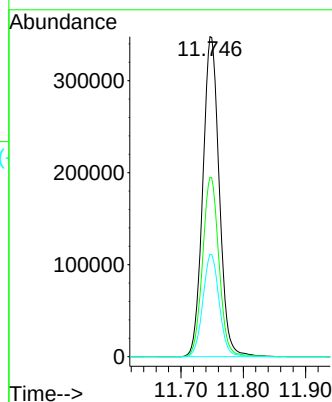
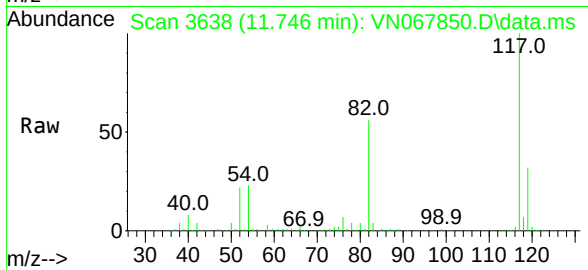




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

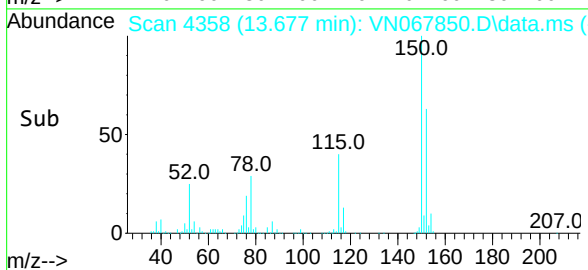
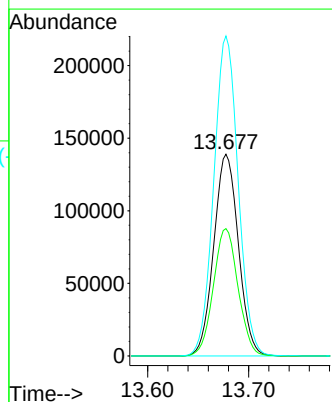
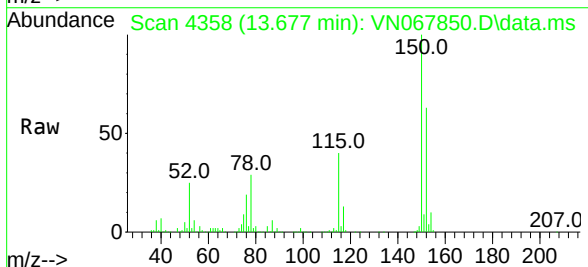
Instrument :
MSVOA_N
ClientSampleId :

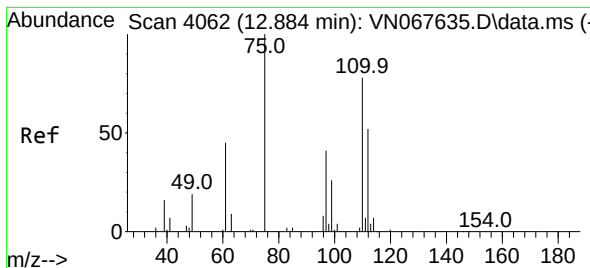
Tgt Ion:117 Resp: 637713
Ion Ratio Lower Upper
117 100
82 56.1 53.1 79.7
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Tgt Ion:152 Resp: 235451
Ion Ratio Lower Upper
152 100
115 63.3 36.1 108.5
150 157.0 0.0 351.8





#76

1,2,3-Trichloropropane

Concen: 32.171 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. -0.151 min

Lab File: VN067850.D

Acq: 21 Jul 2021 19:55

Tgt Ion: 75 Resp: 154689

Ion Ratio Lower Upper

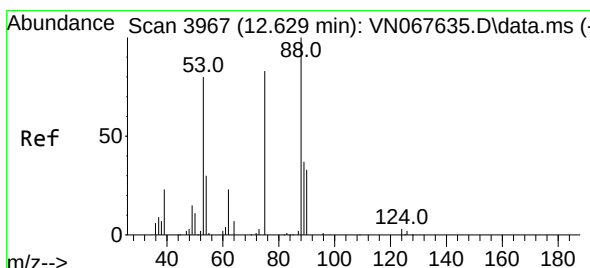
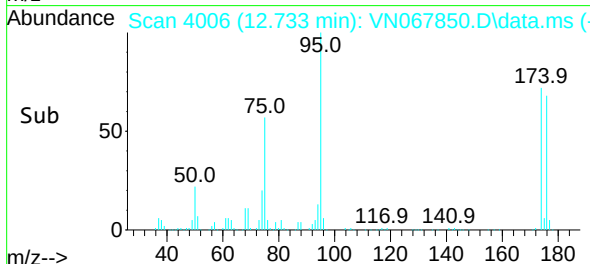
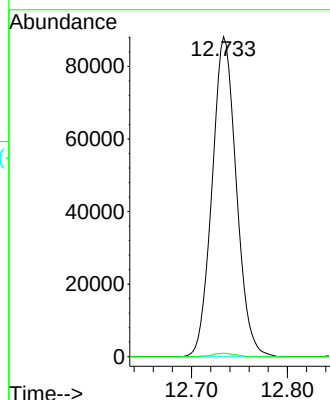
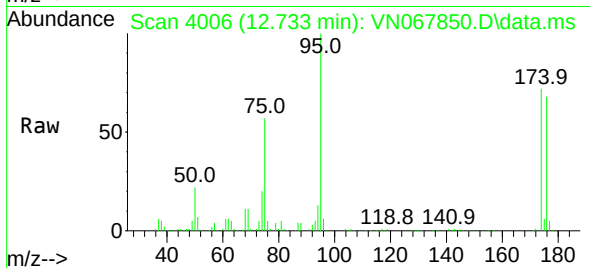
75 100

77 1.0 0.0 0.0#

Instrument :

MSVOA_N

ClientSampled :



#81

trans-1,4-Dichloro-2-butene

Concen: 103.723 ug/l

RT: 12.733 min Scan# 4006

Delta R.T. 0.104 min

Lab File: VN067850.D

Acq: 21 Jul 2021 19:55

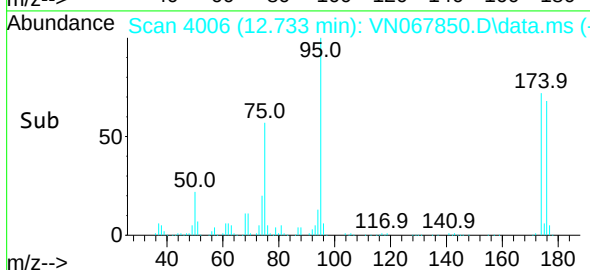
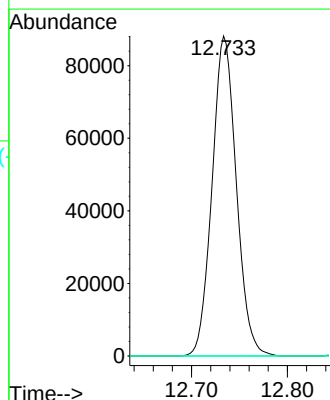
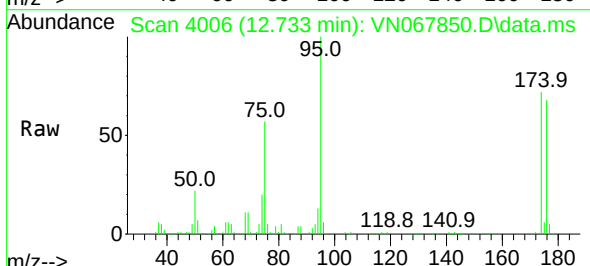
Tgt Ion: 75 Resp: 154689

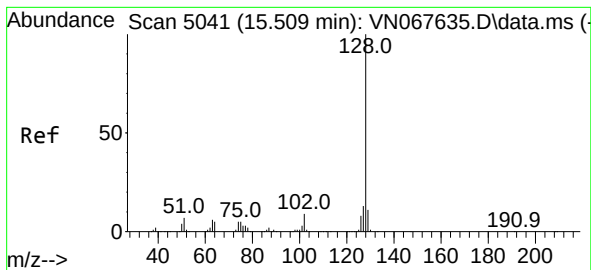
Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

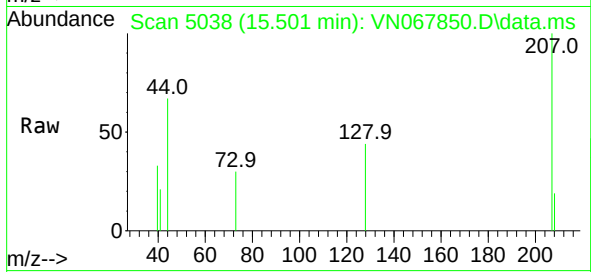
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.049 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.008 min
Lab File: VN067850.D
Acq: 21 Jul 2021 19:55

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 448
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

