

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072121\
 Data File : VN067846.D
 Acq On : 21 Jul 2021 18:17
 Operator : JC/MD
 Sample : M3089-18
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 22 02:14:08 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)

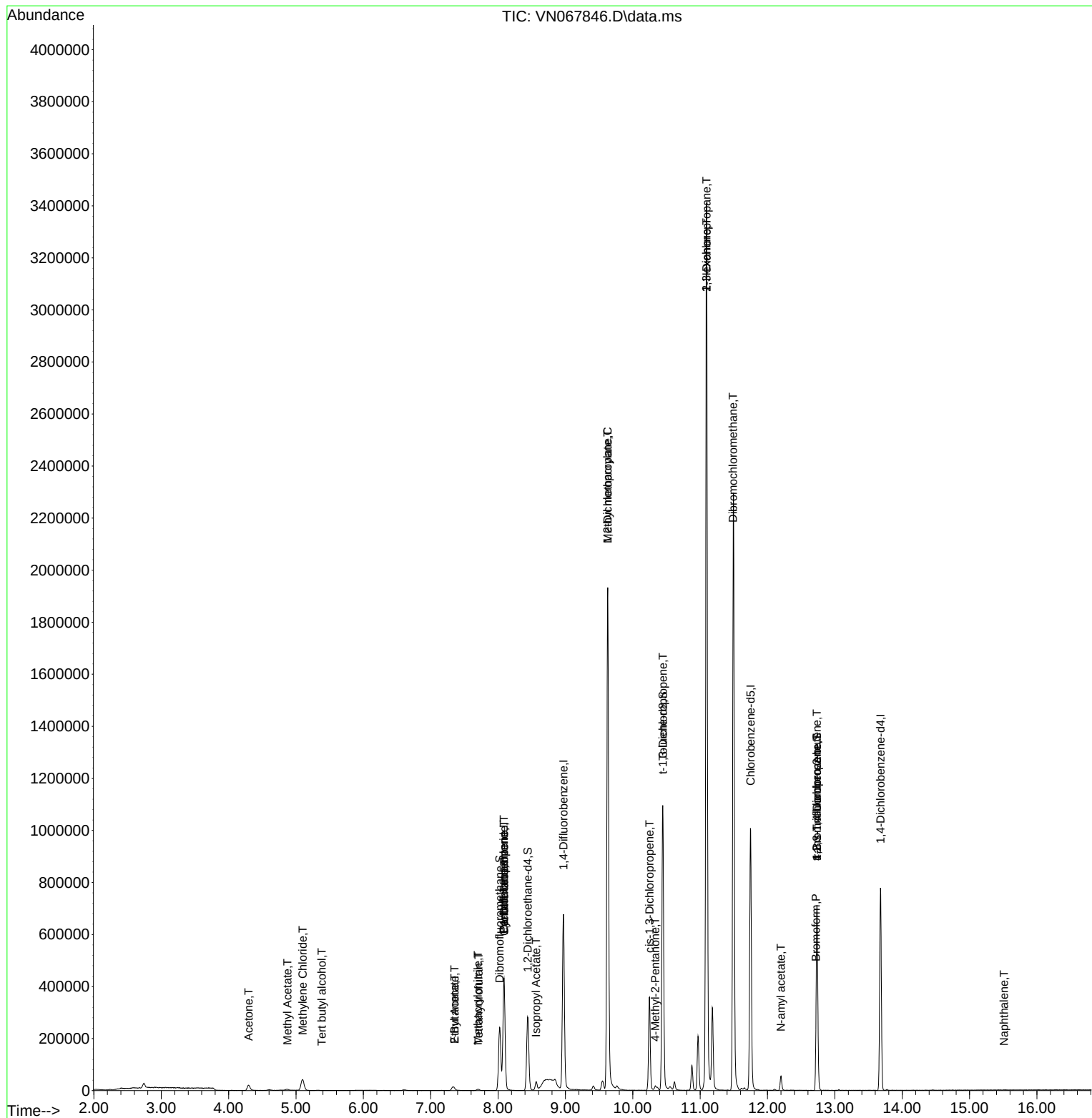
Internal Standards						
1) Pentafluorobenzene	8.088	168	305863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	584083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	587596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	199177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	241692	52.286	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.580%			
35) Dibromofluoromethane	8.024	113	177825	50.391	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.780%			
50) Toluene-d8	10.446	98	764048	51.726	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.734	95	250746	48.054	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.100%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.837	94	25	Below Cal	#	4
6) Chloroethane	2.741	64	25	Below Cal	#	1
11) Tert butyl alcohol	5.382	59	531	0.799	ug/l #	71
13) Acrolein	4.036	56	156	Below Cal	#	14
16) Acetone	4.296	43	40390	27.769	ug/l #	87
18) Methyl Acetate	4.873	43	8215	2.011	ug/l	99
20) Methylene Chloride	5.101	84	34762	9.676	ug/l	92
25) 2-Butanone	7.354	43	8783	3.636	ug/l	95
29) Tetrahydrofuran	7.710	42	4099	2.581	ug/l #	54
31) Cyclohexane	8.091	56	8199	1.265	ug/l #	16
36) 1,1-Dichloropropene	8.086	75	27170	5.008	ug/l #	52
37) Ethyl Acetate	7.354	43	8783	1.671	ug/l #	71
38) Carbon Tetrachloride	8.088	117	33875	6.330	ug/l #	16
41) Methacrylonitrile	7.699	41	2856	1.057	ug/l #	42
43) Isopropyl Acetate	8.566	43	40008	4.326	ug/l #	89
45) 1,2-Dichloropropane	9.628	63	2402	0.584	ug/l #	44
48) Methyl methacrylate	9.628	41	191371	46.791	ug/l #	45
51) 4-Methyl-2-Pentanone	10.333	43	8845	1.557	ug/l #	83
53) t-1,3-Dichloropropene	10.449	75	165	1.768	ug/l #	71
54) cis-1,3-Dichloropropene	10.247	75	62382	9.835	ug/l #	61
57) 1,3-Dichloropropane	11.095	76	35752	5.114	ug/l #	43
59) 2-Hexanone	11.095	43	531420	134.013	ug/l #	54
60) Dibromochloromethane	11.489	129	143	2.384	ug/l #	11
71) Bromoform	12.720	173	301	3.251	ug/l #	1
74) N-amyl acetate	12.197	43	17708	3.037	ug/l #	55
76) 1,2,3-Trichloropropane	12.734	75	139011	34.176	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	139011	110.185	ug/l #	6
95) Naphthalene	15.509	128	736	3.083	ug/l #	69

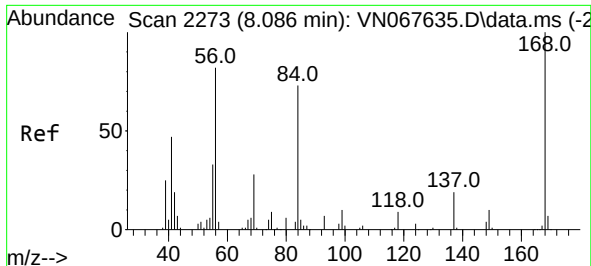
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

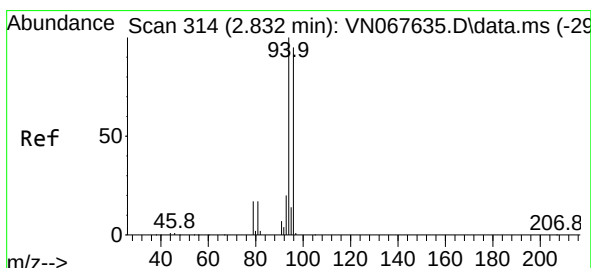
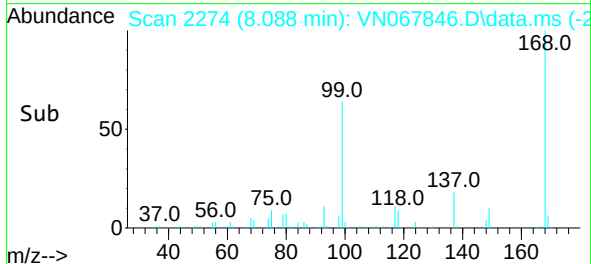
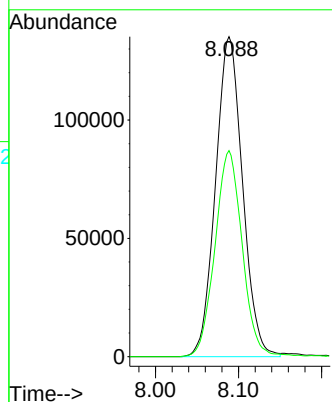
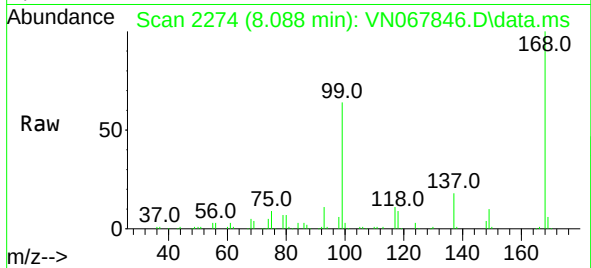




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

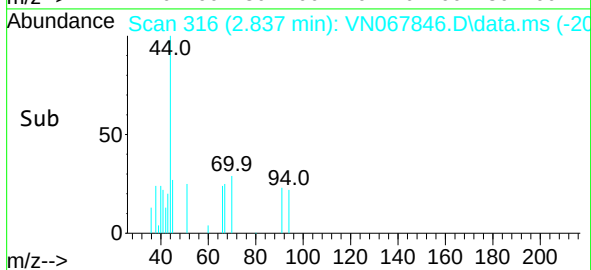
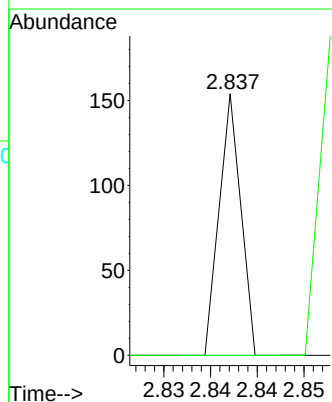
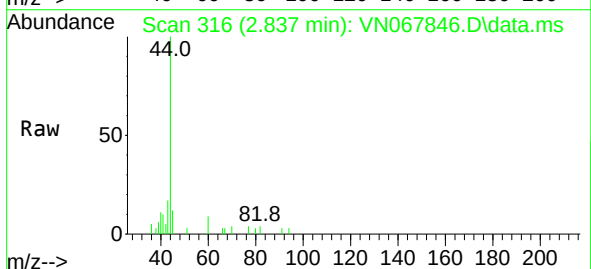
Instrument :
MSVOA_N
ClientSampled :

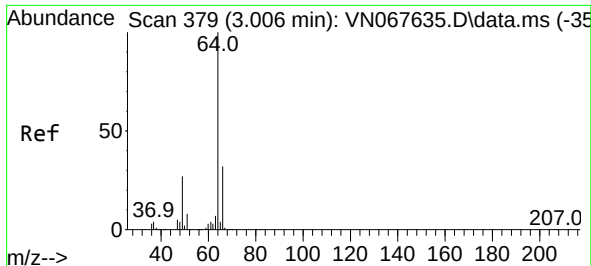
Tgt Ion:168 Resp: 305863
Ion Ratio Lower Upper
168 100
99 64.4 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. 0.005 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

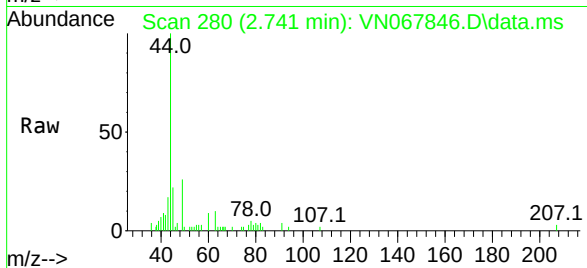
Tgt Ion: 94 Resp: 25
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



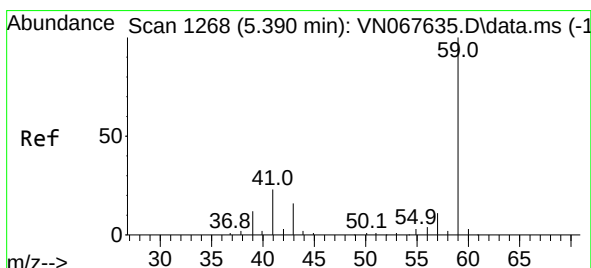
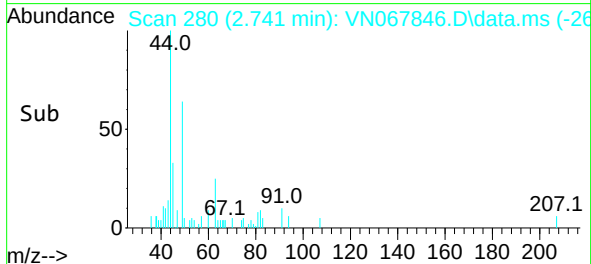
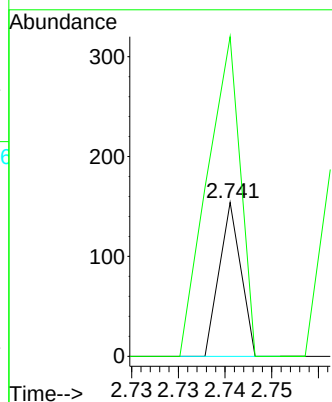


#6
Chloroethane
Concen: Below Cal
RT: 2.741 min Scan# 280
Delta R.T. -0.265 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Instrument :
MSVOA_N
ClientSampled :

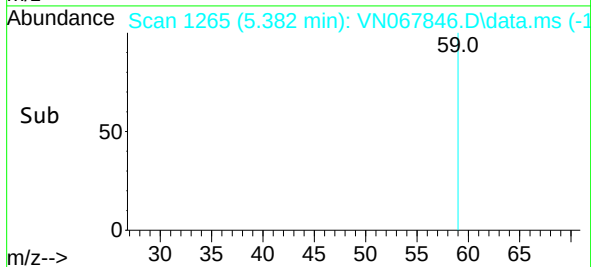
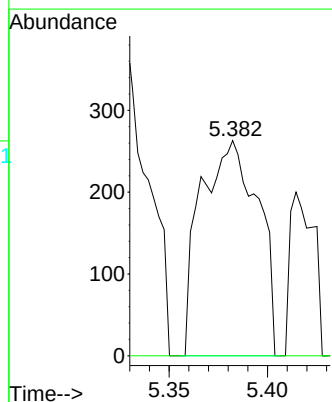
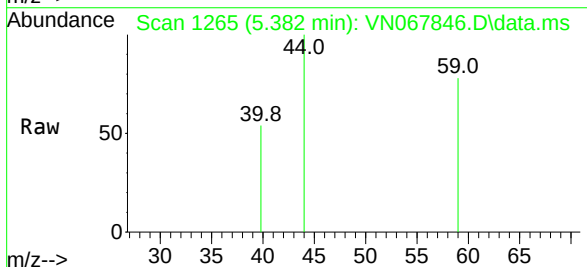


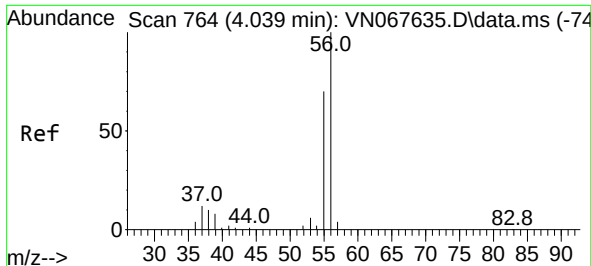
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 207.8 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.799 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Tgt Ion: 59 Resp: 531
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

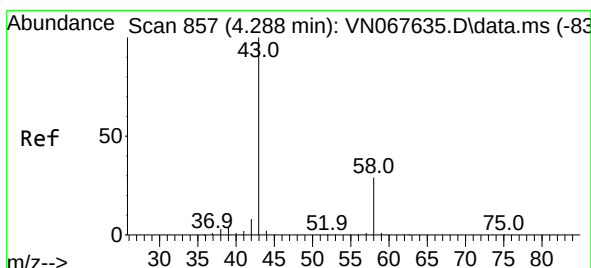
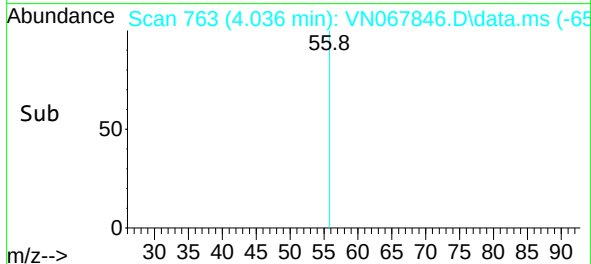
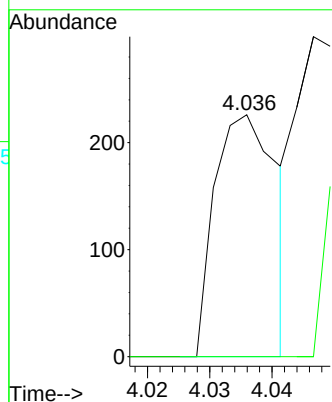
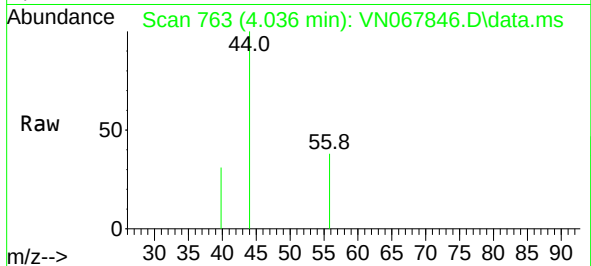




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

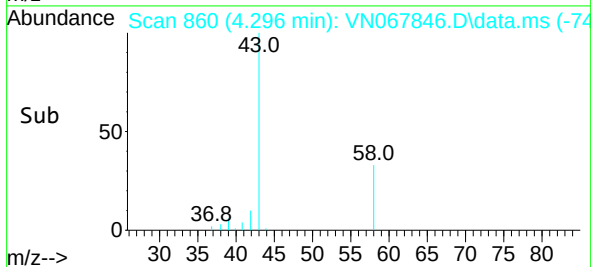
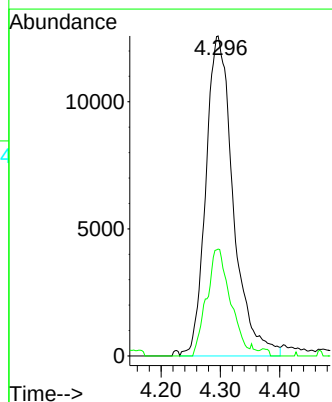
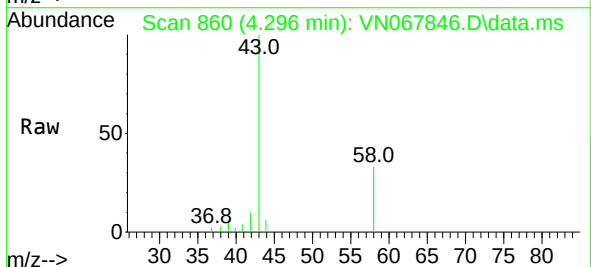
Instrument :
MSVOA_N
ClientSampled :

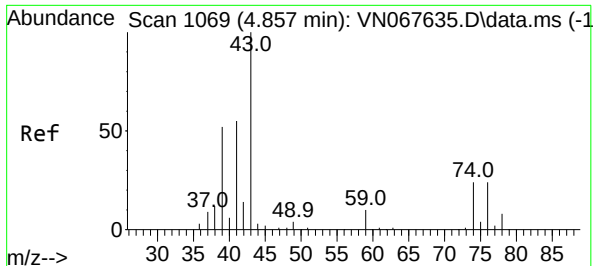
Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 27.769 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Tgt Ion: 43 Resp: 40390
Ion Ratio Lower Upper
43 100
58 33.4 21.2 31.8#





#18

Methyl Acetate

Concen: 2.011 ug/l

RT: 4.873 min Scan# 1075

Delta R.T. 0.016 min

Lab File: VN067846.D

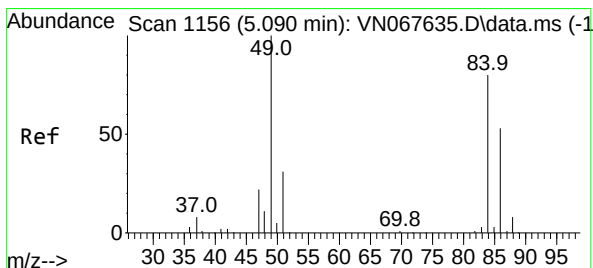
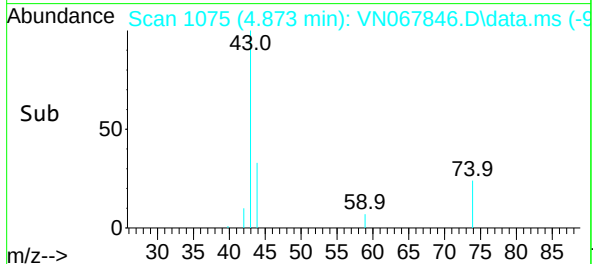
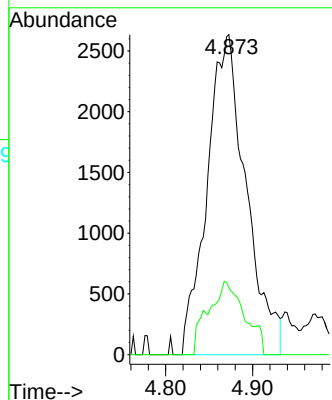
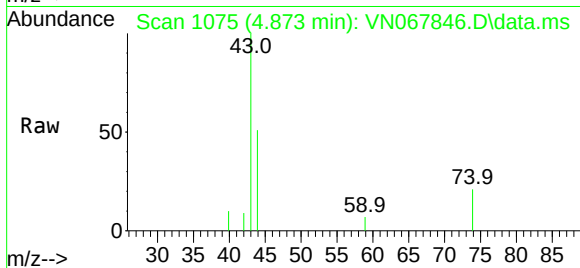
Acq: 21 Jul 2021 18:17

Tgt Ion: 43 Resp: 8215

Ion Ratio Lower Upper

43 100

74 21.3 17.4 26.0



#20

Methylene Chloride

Concen: 9.676 ug/l

RT: 5.101 min Scan# 1160

Delta R.T. 0.011 min

Lab File: VN067846.D

Acq: 21 Jul 2021 18:17

Tgt Ion: 84 Resp: 34762

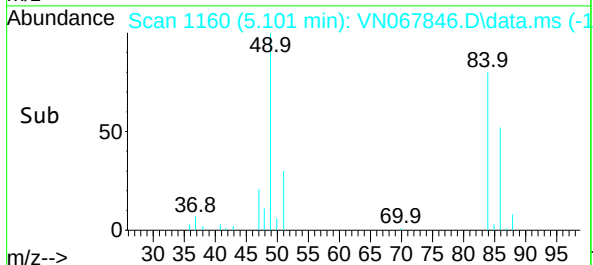
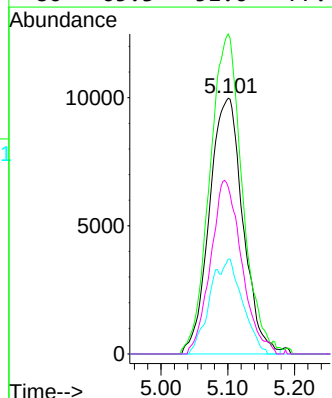
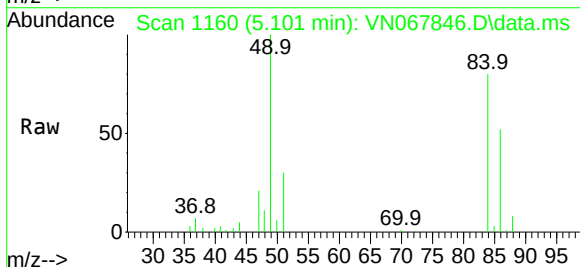
Ion Ratio Lower Upper

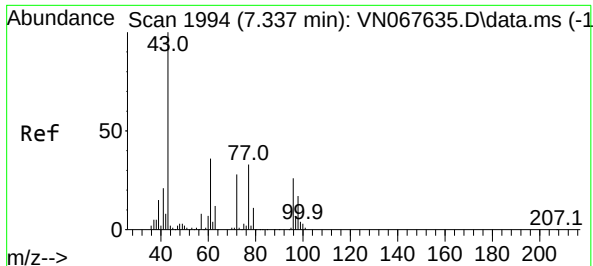
84 100

49 125.2 110.9 166.3

51 37.1 32.6 49.0

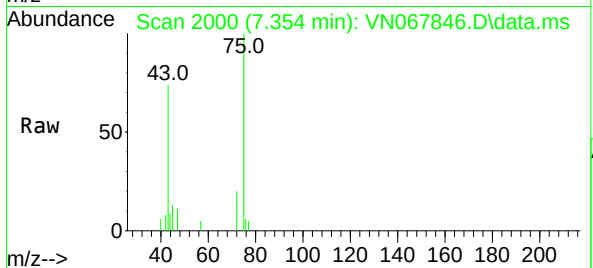
86 65.3 51.6 77.4



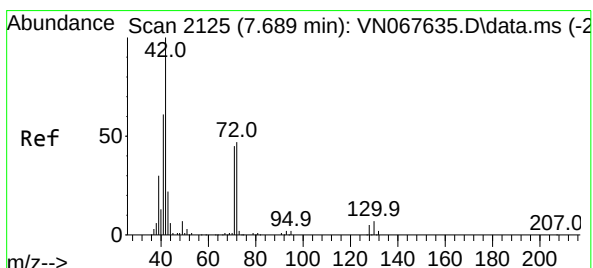
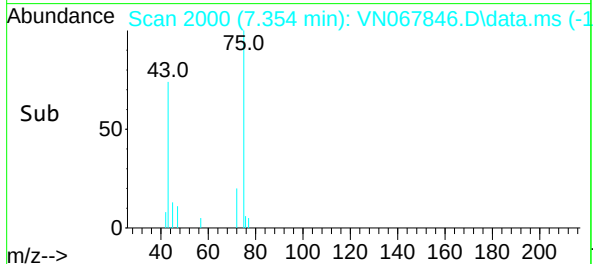
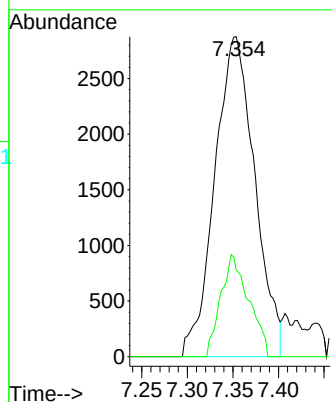


#25
2-Butanone
Concen: 3.636 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.017 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

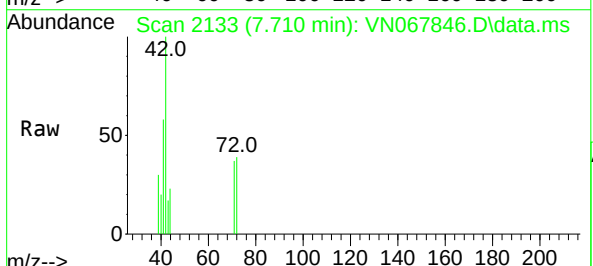
Instrument :
MSVOA_N
ClientSampled :



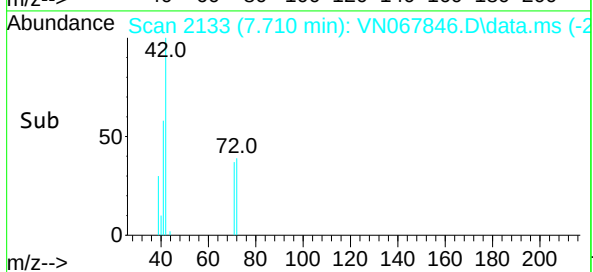
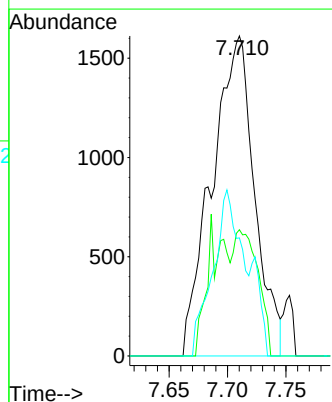
Tgt Ion: 43 Resp: 8783
Ion Ratio Lower Upper
43 100
72 27.0 19.7 29.5

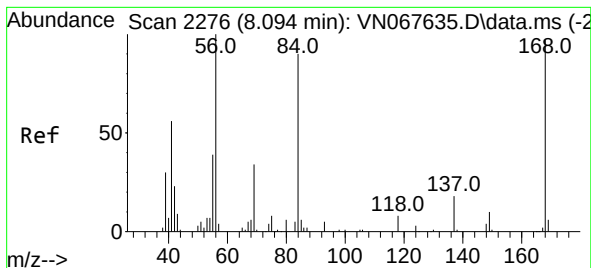


#29
Tetrahydrofuran
Concen: 2.581 ug/l
RT: 7.710 min Scan# 2133
Delta R.T. 0.021 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17



Tgt Ion: 42 Resp: 4099
Ion Ratio Lower Upper
42 100
72 22.9 32.8 49.2#
71 0.0 31.2 46.8#

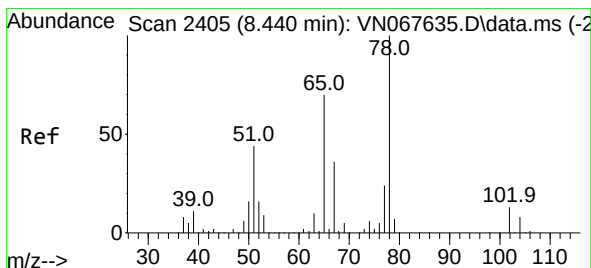
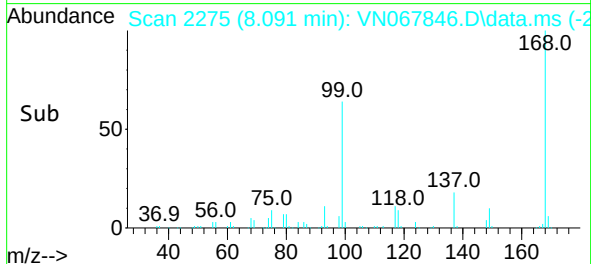
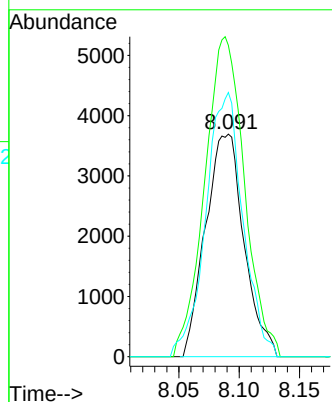
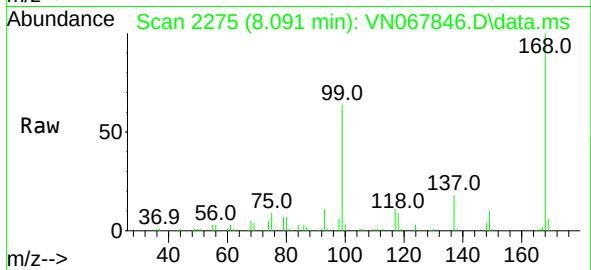




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

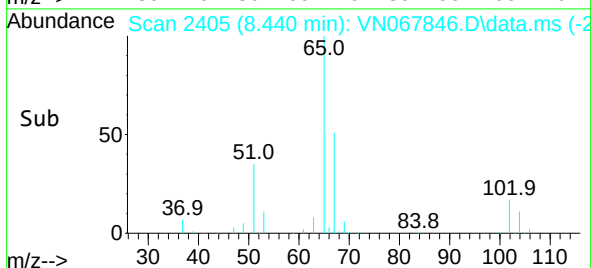
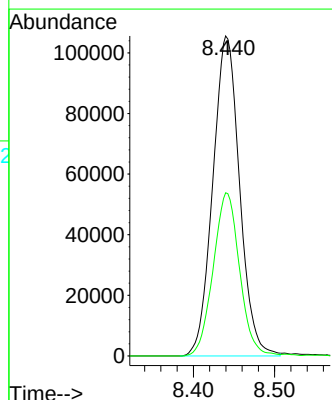
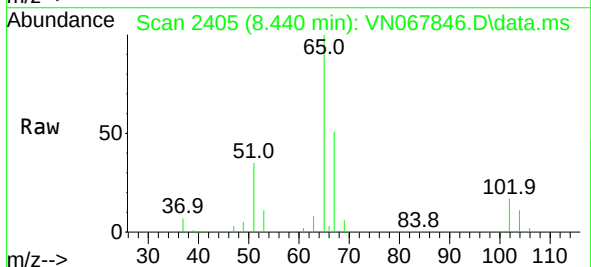
Instrument :
MSVOA_N
ClientSampleId :

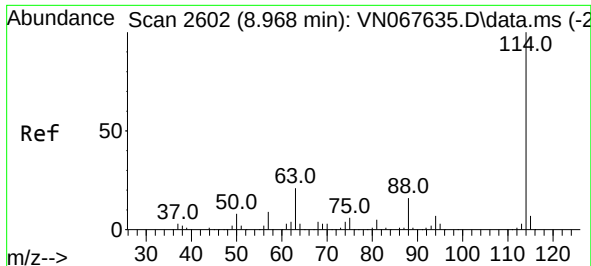
Tgt Ion: 56 Resp: 8199
Ion Ratio Lower Upper
56 100
69 139.9 27.3 40.9#
84 118.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.286 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Tgt Ion: 65 Resp: 241692
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.6

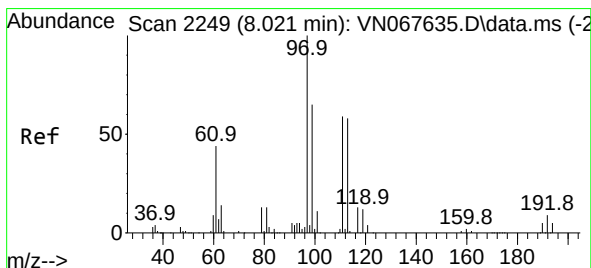
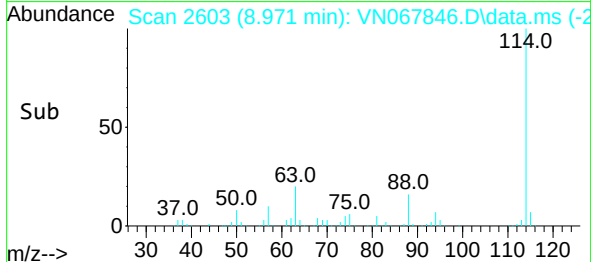
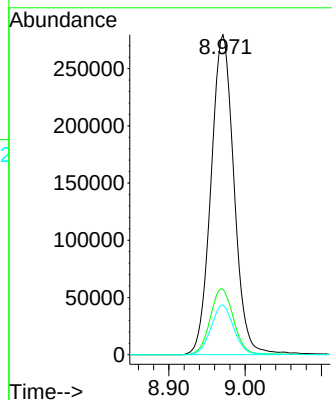
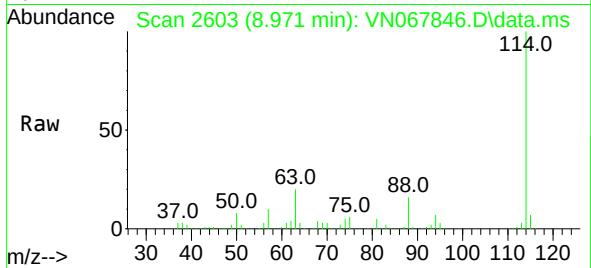




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

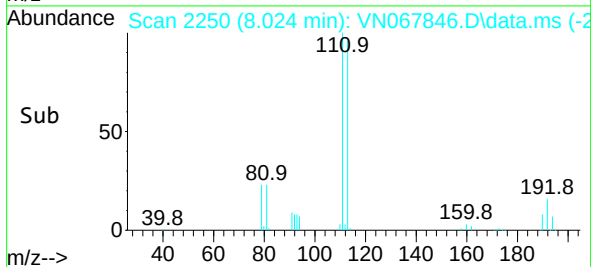
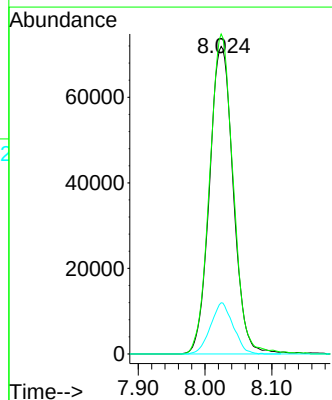
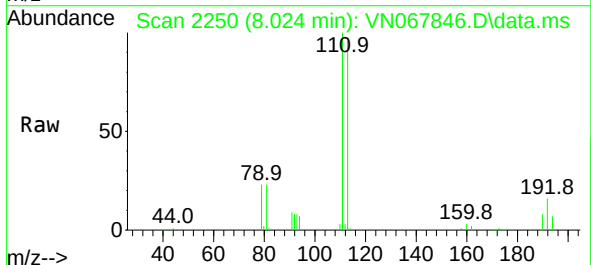
Instrument :
MSVOA_N
ClientSampled :

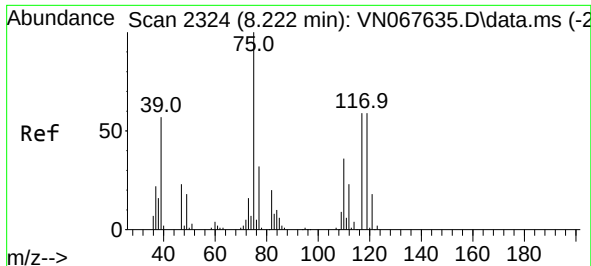
Tgt Ion:114 Resp: 584083
Ion Ratio Lower Upper
114 100
63 20.5 0.0 49.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.391 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

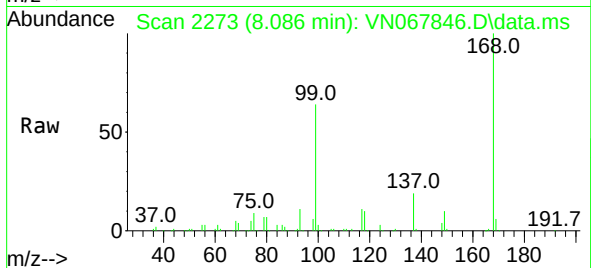
Tgt Ion:113 Resp: 177825
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.8
192 15.8 13.4 20.0



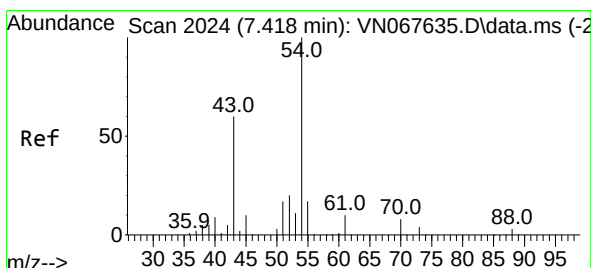
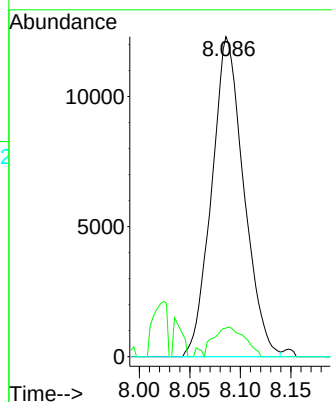
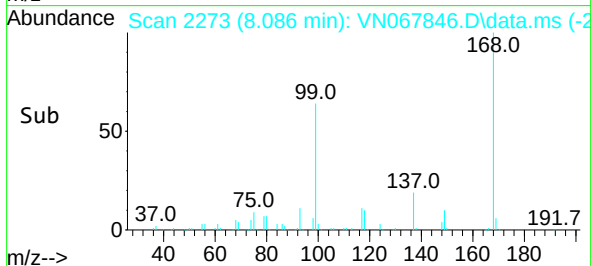


#36
 1,1-Dichloropropene
 Concen: 5.008 ug/l
 RT: 8.086 min Scan# 2273
 Delta R.T. -0.136 min
 Lab File: VN067846.D
 Acq: 21 Jul 2021 18:17

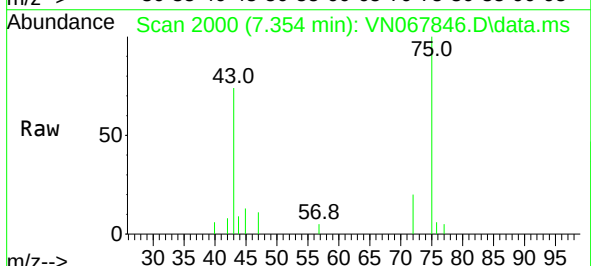
Instrument :
 MSVOA_N
 ClientSampleId :



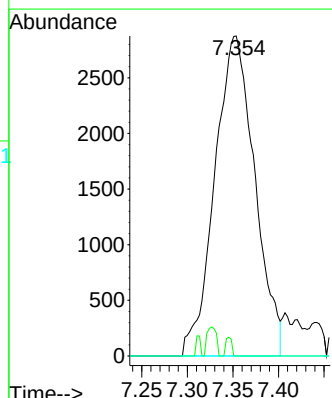
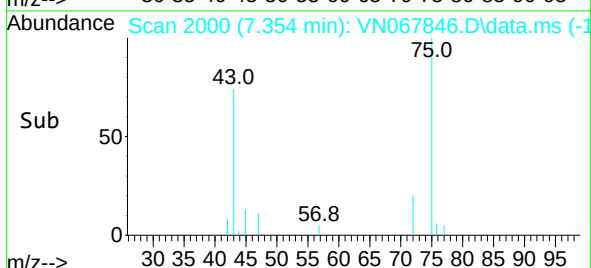
Tgt Ion: 75 Resp: 27170
 Ion Ratio Lower Upper
 75 100
 110 9.0 15.7 47.0#
 77 0.0 24.6 37.0#

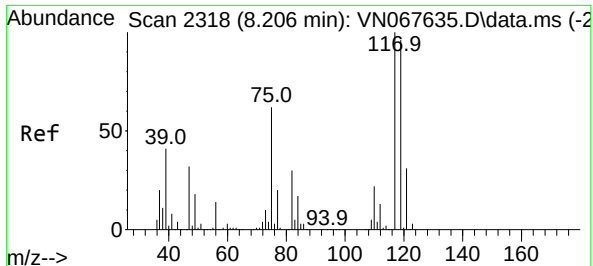


#37
 Ethyl Acetate
 Concen: 1.671 ug/l
 RT: 7.354 min Scan# 2000
 Delta R.T. -0.064 min
 Lab File: VN067846.D
 Acq: 21 Jul 2021 18:17



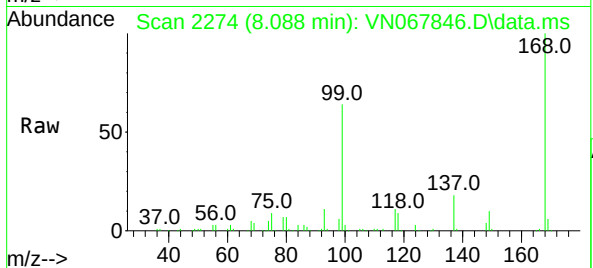
Tgt Ion: 43 Resp: 8783
 Ion Ratio Lower Upper
 43 100
 61 0.9 10.6 16.0#
 70 0.0 8.1 12.1#



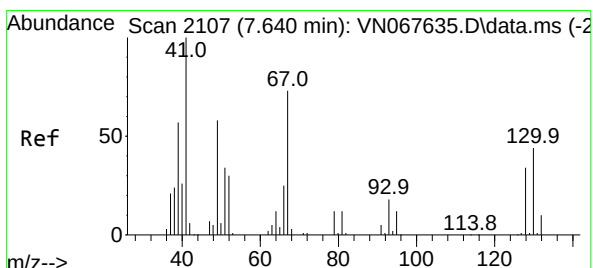
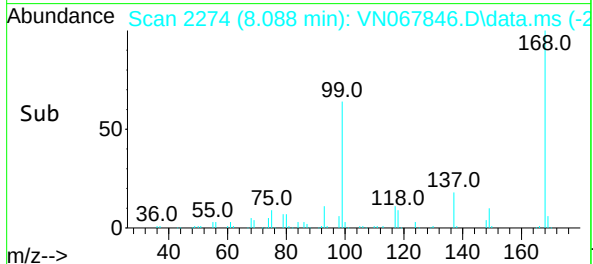
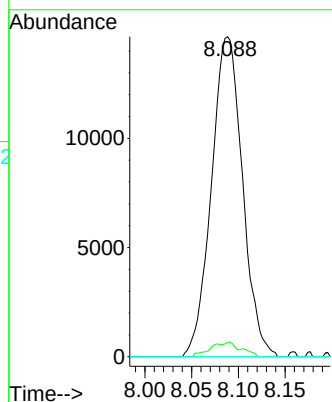


#38
Carbon Tetrachloride
Concen: 6.330 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :

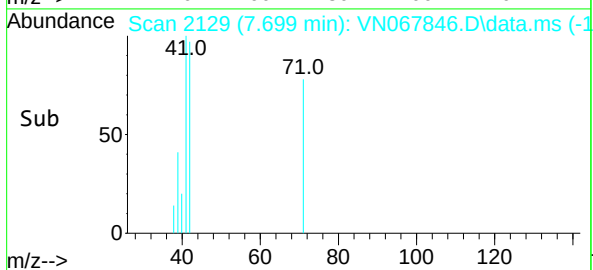
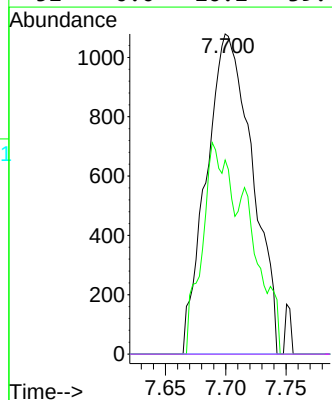
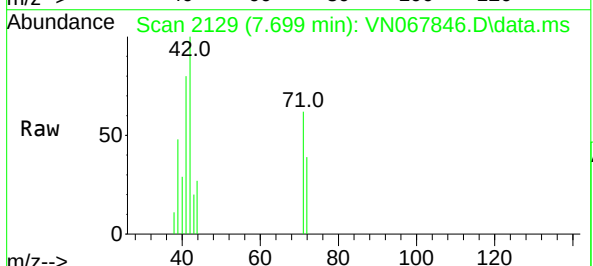


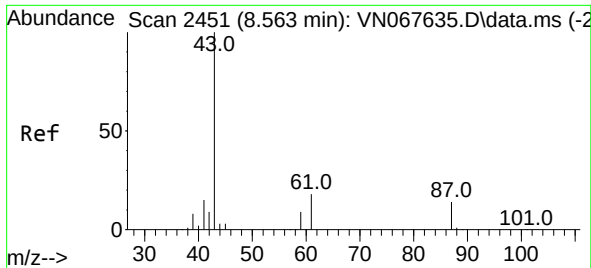
Tgt Ion:117 Resp: 33875
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 23.5 35.3#



#41
Methacrylonitrile
Concen: 1.057 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.059 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

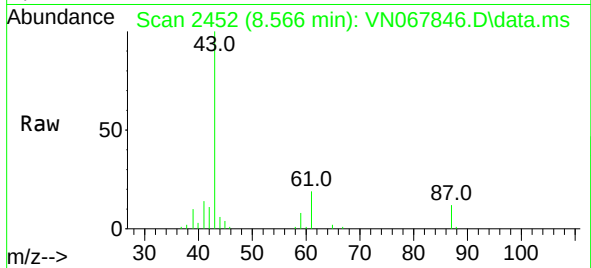
Tgt Ion: 41 Resp: 2856
Ion Ratio Lower Upper
41 100
39 41.1 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#



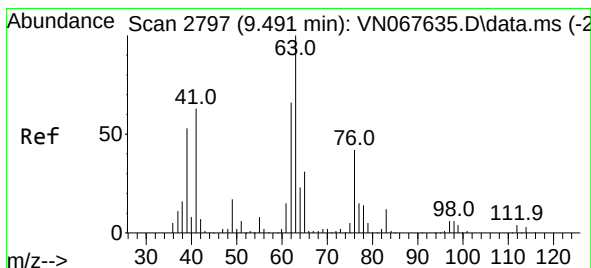
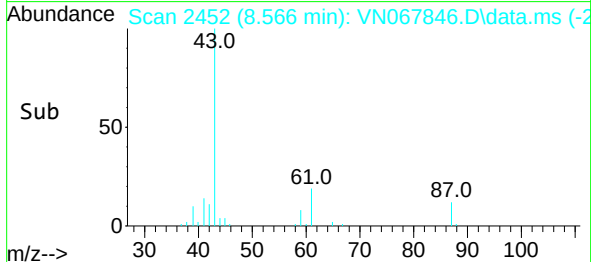
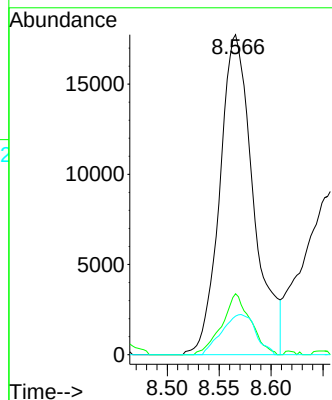


#43
Isopropyl Acetate
Concen: 4.326 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.003 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Instrument :
MSVOA_N
ClientSampled :

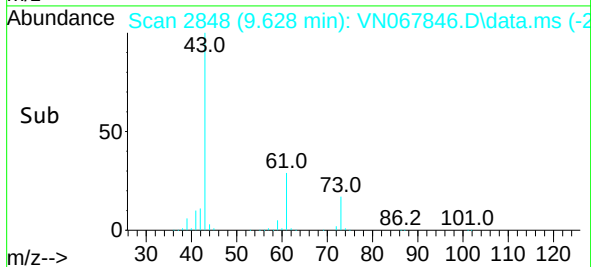
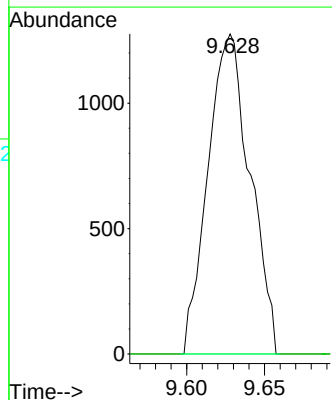
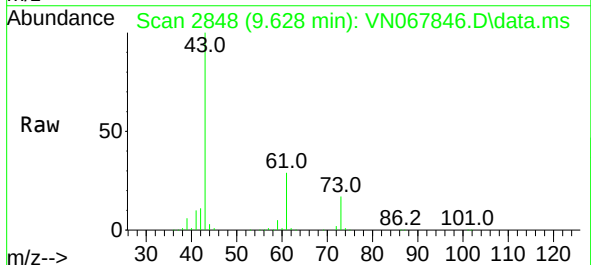


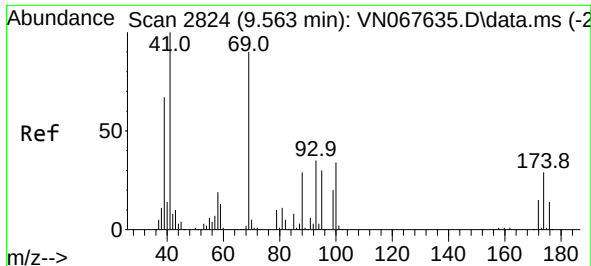
Tgt Ion: 43 Resp: 40008
Ion Ratio Lower Upper
43 100
61 16.2 19.0 28.4#
87 12.6 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.584 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Tgt Ion: 63 Resp: 2402
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

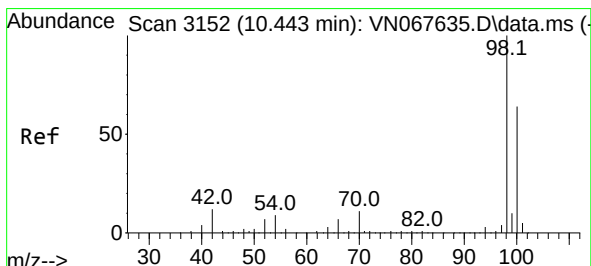
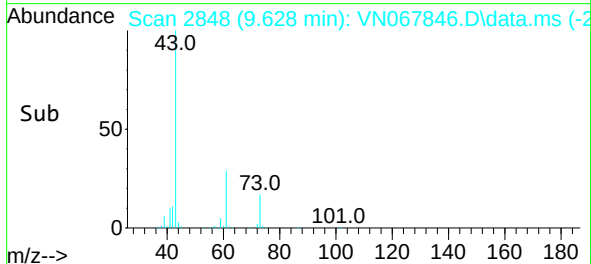
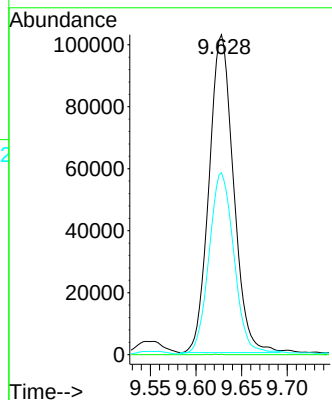
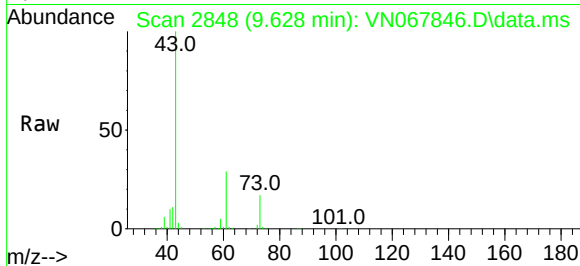




#48
Methyl methacrylate
Concen: 46.791 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.065 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

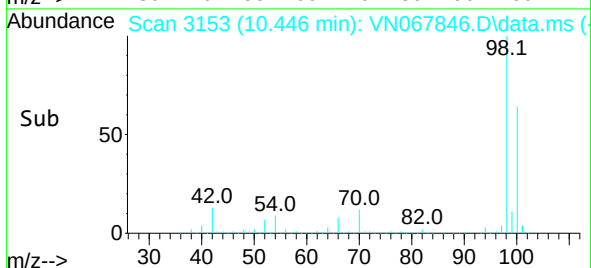
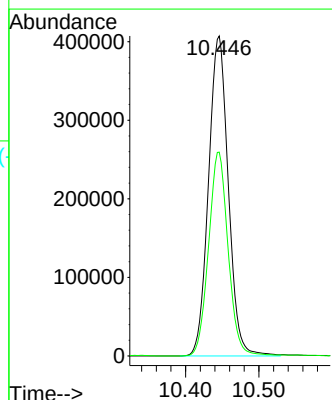
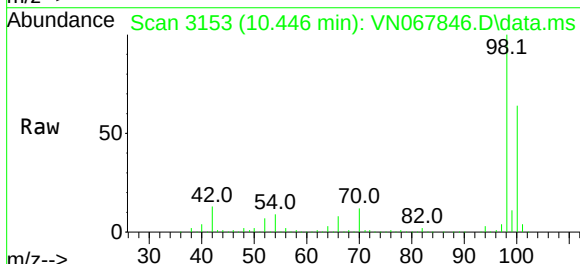
Instrument :
MSVOA_N
ClientSampled :

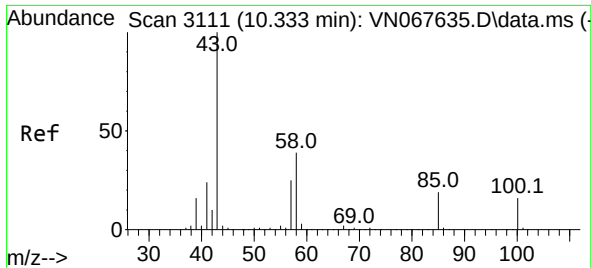
Tgt Ion: 41 Resp: 191371
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 57.9 53.3 79.9



#50
Toluene-d8
Concen: 51.726 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Tgt Ion: 98 Resp: 764048
Ion Ratio Lower Upper
98 100
100 63.1 51.7 77.5

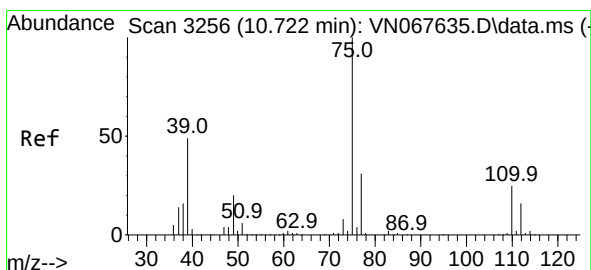
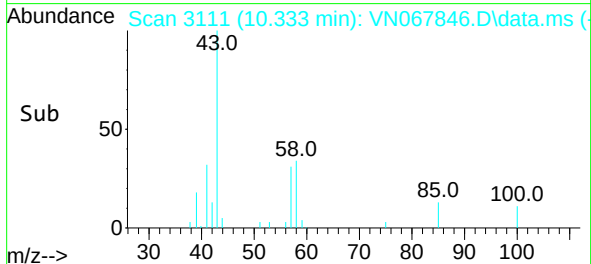
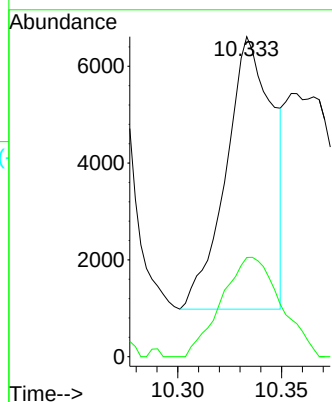
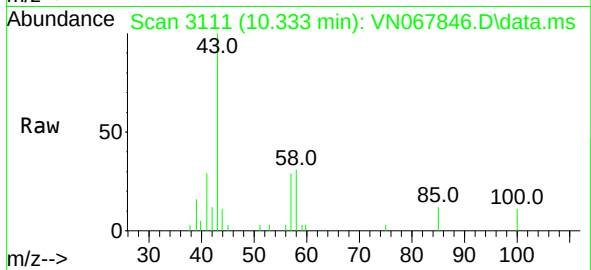




#51
4-Methyl-2-Pentanone
Concen: 1.557 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

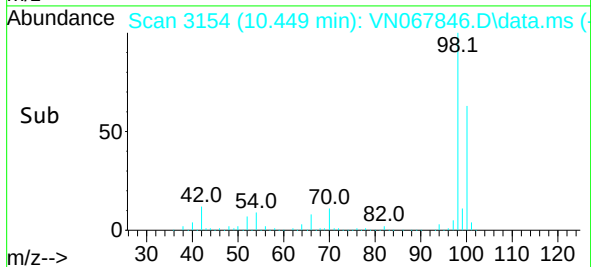
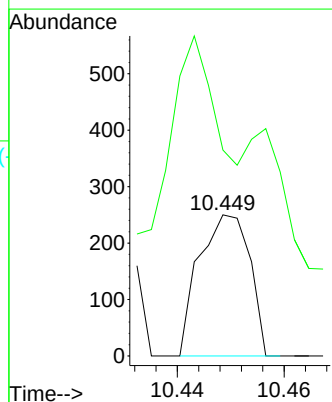
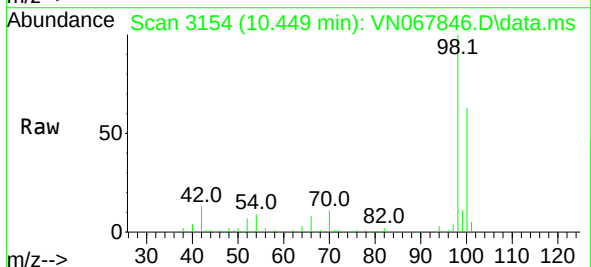
Instrument :
MSVOA_N
ClientSampled :

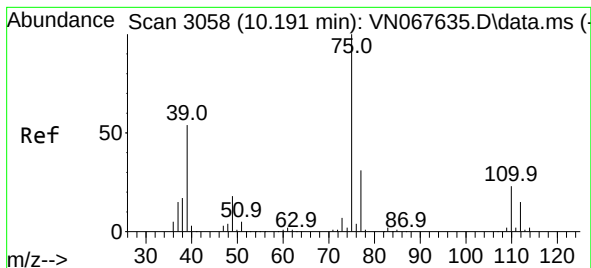
Tgt Ion: 43 Resp: 8845
Ion Ratio Lower Upper
43 100
58 45.9 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.768 ug/l
RT: 10.449 min Scan# 3154
Delta R.T. -0.273 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Tgt Ion: 75 Resp: 165
Ion Ratio Lower Upper
75 100
77 15.6 25.1 37.7#

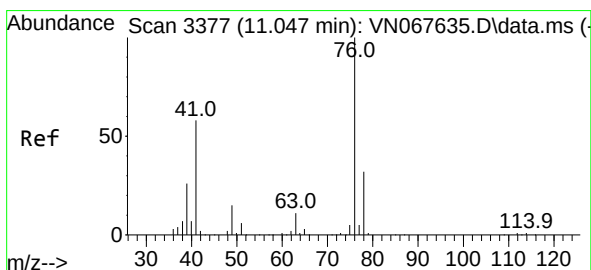
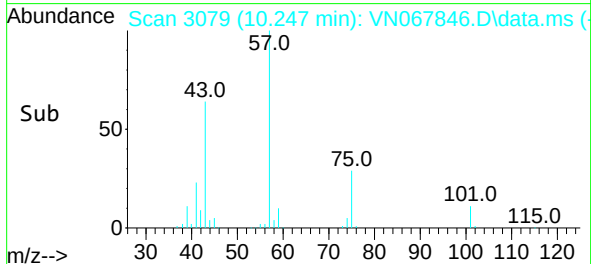
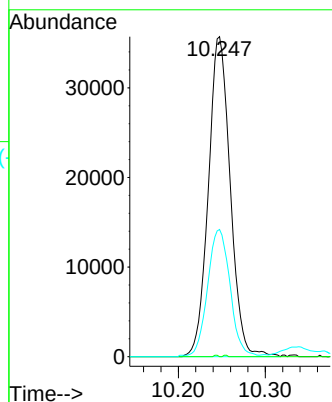
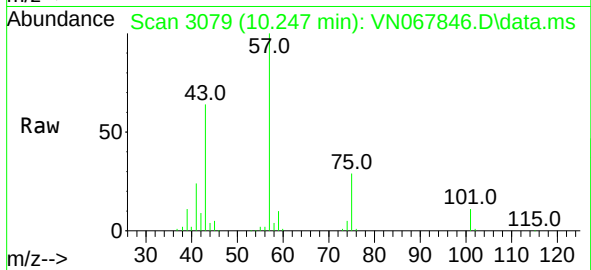




#54
 cis-1,3-Dichloropropene
 Concen: 9.835 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN067846.D
 Acq: 21 Jul 2021 18:17

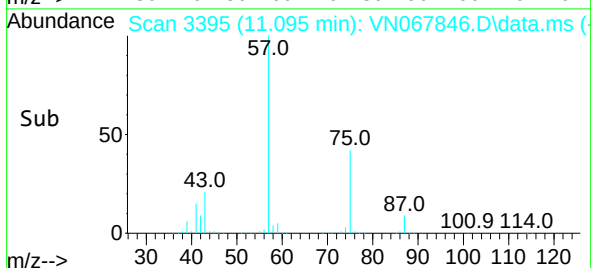
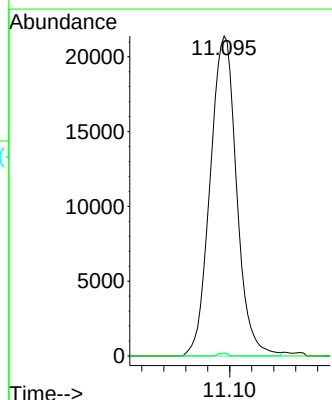
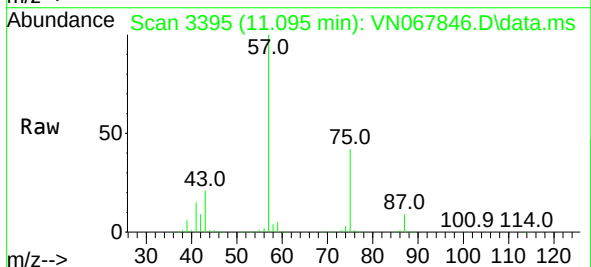
Instrument :
 MSVOA_N
 ClientSampled :

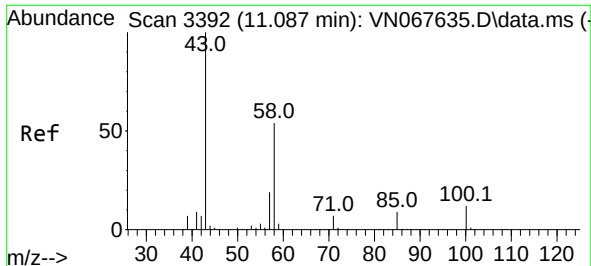
Tgt Ion: 75 Resp: 62382
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 39.3 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 5.114 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN067846.D
 Acq: 21 Jul 2021 18:17

Tgt Ion: 76 Resp: 35752
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.7 38.5#

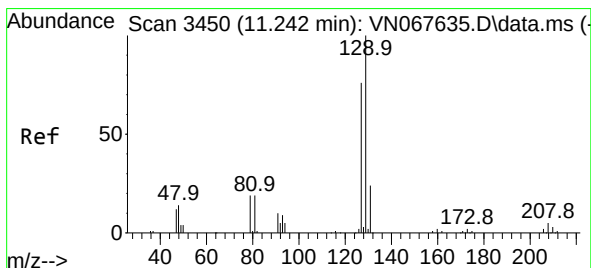
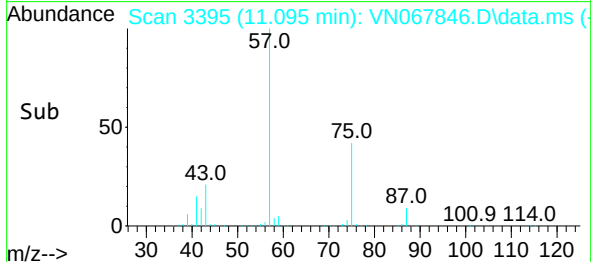
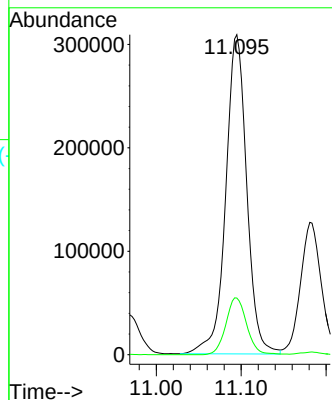
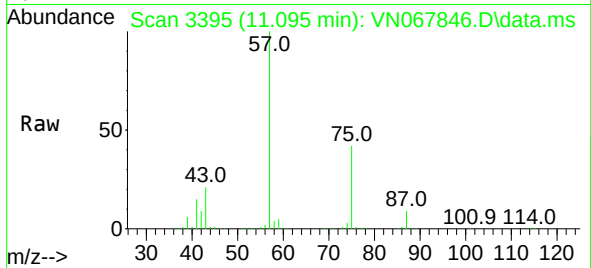




#59
2-Hexanone
Concen: 134.013 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

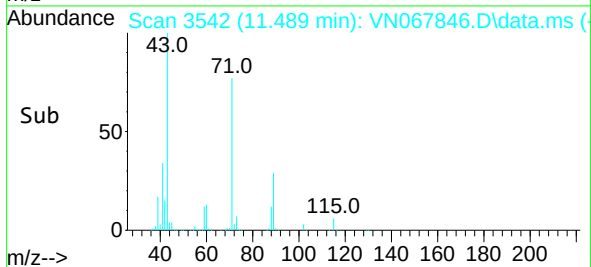
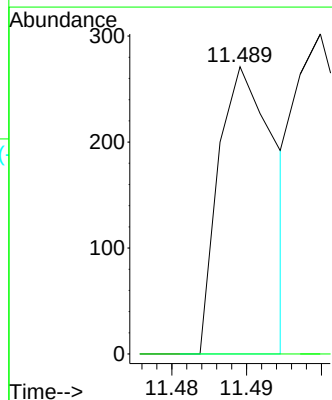
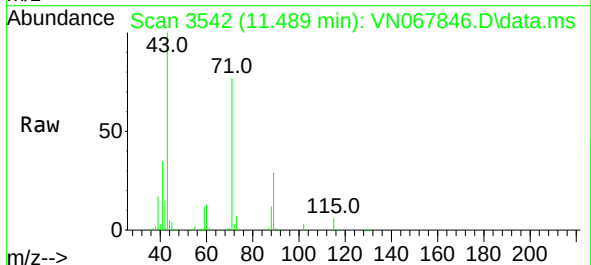
Instrument :
MSVOA_N
ClientSampled :

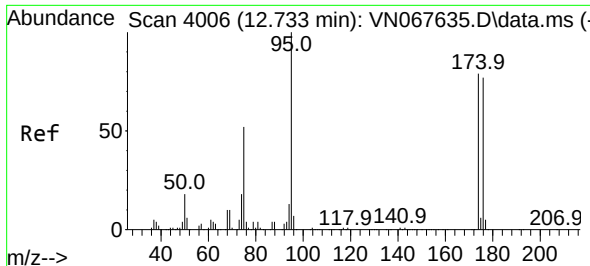
Tgt Ion: 43 Resp: 531420
Ion Ratio Lower Upper
43 100
58 17.7 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.384 ug/l
RT: 11.489 min Scan# 3542
Delta R.T. 0.247 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Tgt Ion:129 Resp: 143
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

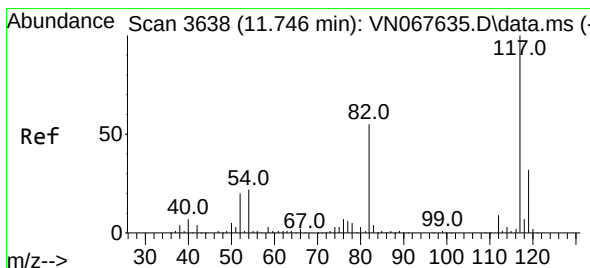
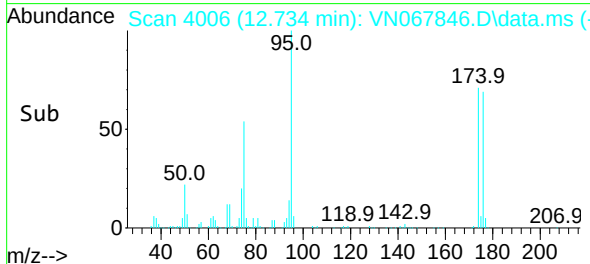
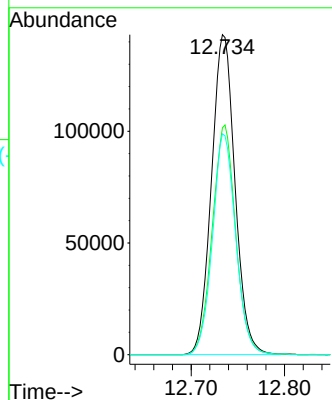
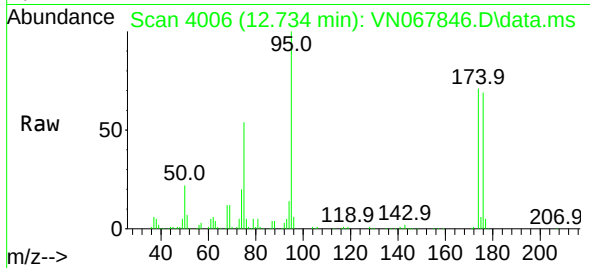




#62
4-Bromofluorobenzene
Concen: 48.054 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

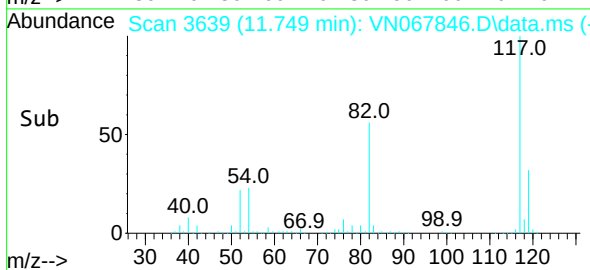
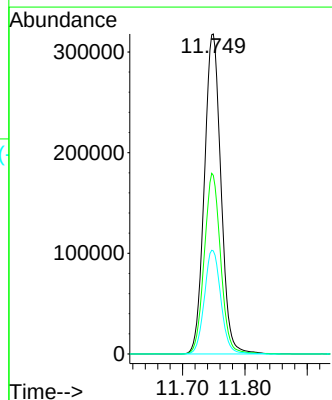
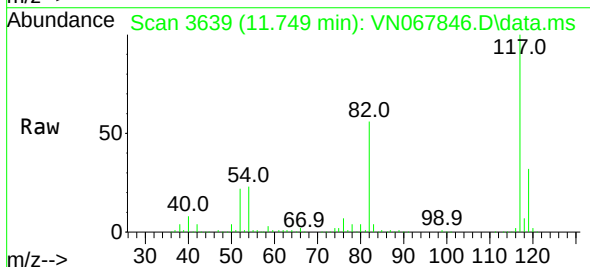
Instrument :
MSVOA_N
ClientSampled :

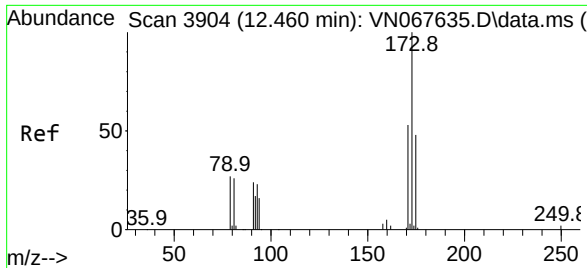
Tgt Ion: 95 Resp: 250746
Ion Ratio Lower Upper
95 100
174 71.3 0.0 122.0
176 68.0 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Tgt Ion: 117 Resp: 587596
Ion Ratio Lower Upper
117 100
82 55.8 53.1 79.7
119 32.2 25.5 38.3

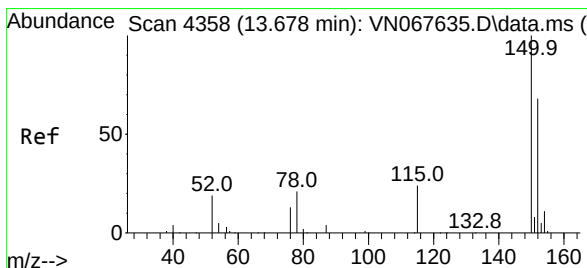
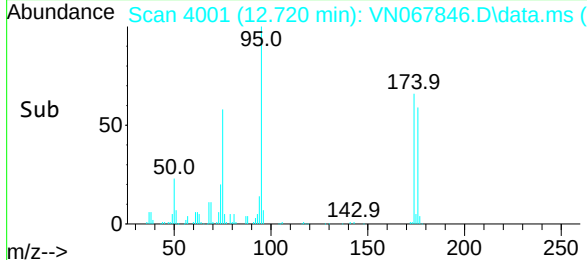
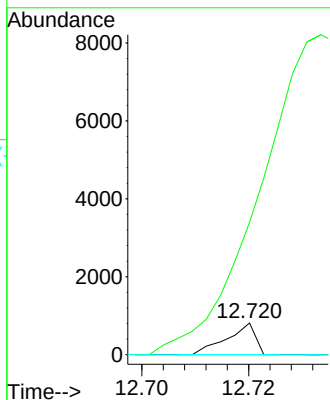
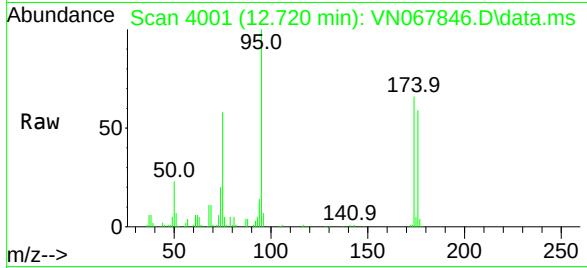




#71
Bromoform
Concen: 3.251 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

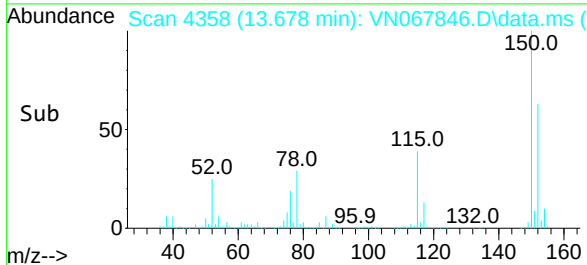
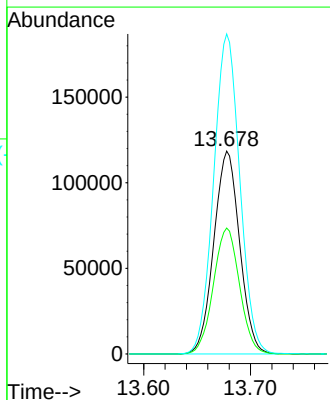
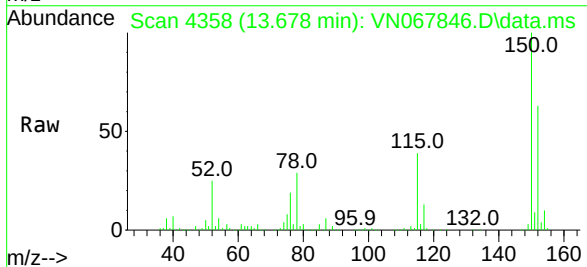
Instrument :
MSVOA_N
ClientSampled :

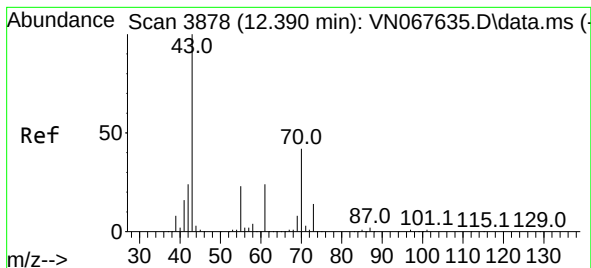
Tgt Ion:173 Resp: 301
Ion Ratio Lower Upper
173 100
175 4244.2 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

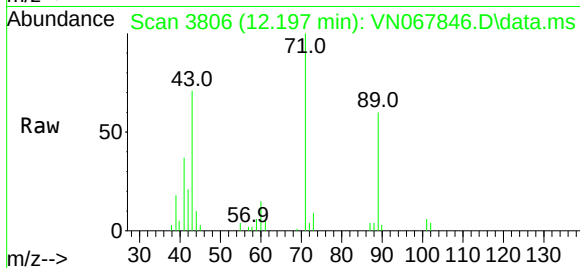
Tgt Ion:152 Resp: 199177
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 159.7 0.0 351.8



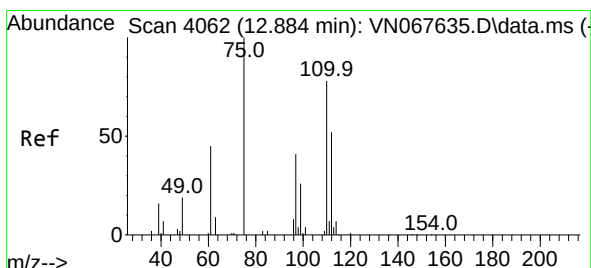
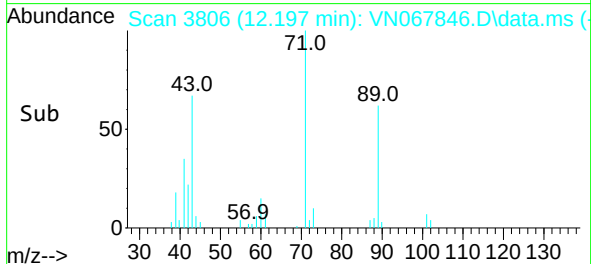
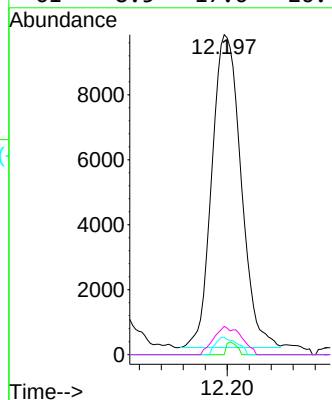


#74
N-amy1 acetate
Concen: 3.037 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

Instrument :
MSVOA_N
ClientSampleId :

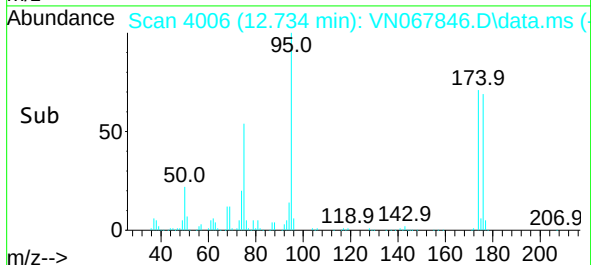
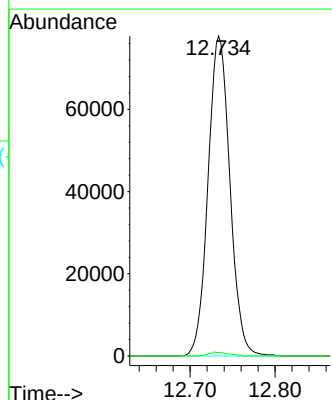
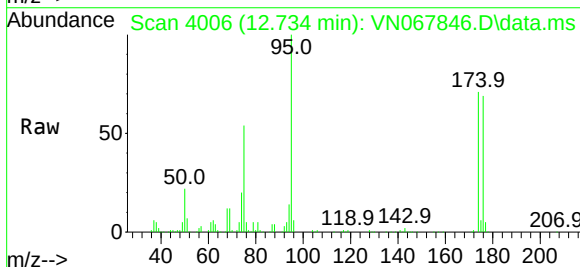


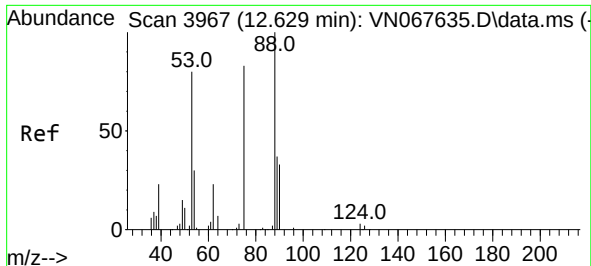
Tgt Ion:	43	Resp:	17708
Ion Ratio	100	Lower	Upper
70	1.4	29.4	44.2#
55	4.1	17.0	25.4#
61	8.5	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 34.176 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

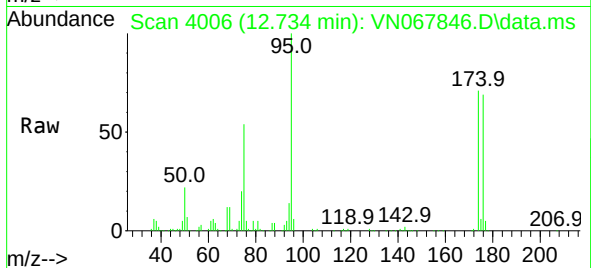
Tgt Ion:	75	Resp:	139011
Ion Ratio	100	Lower	Upper
77	1.1	0.0	0.0#



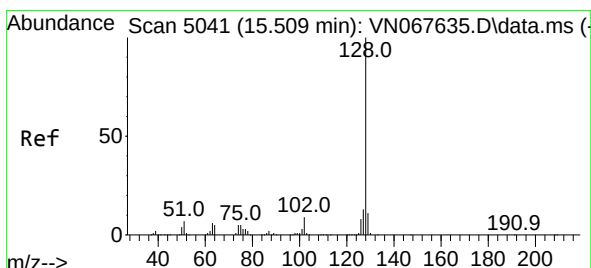
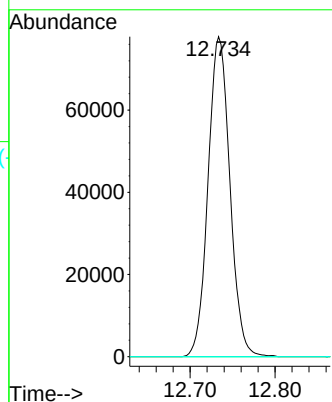
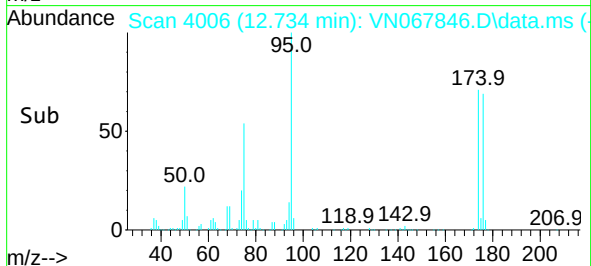


#81
trans-1,4-Dichloro-2-butene
Concen: 110.185 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17

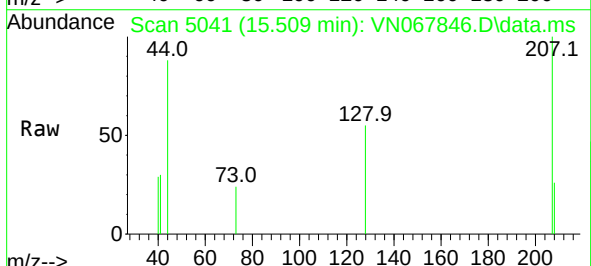
Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 75 Resp: 139011
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#95
Naphthalene
Concen: 3.083 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067846.D
Acq: 21 Jul 2021 18:17



Tgt Ion: 128 Resp: 736
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

