

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072121\
 Data File : VN067851.D
 Acq On : 21 Jul 2021 20:19
 Operator : JC/MD
 Sample : M3102-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 22 02:15:35 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)

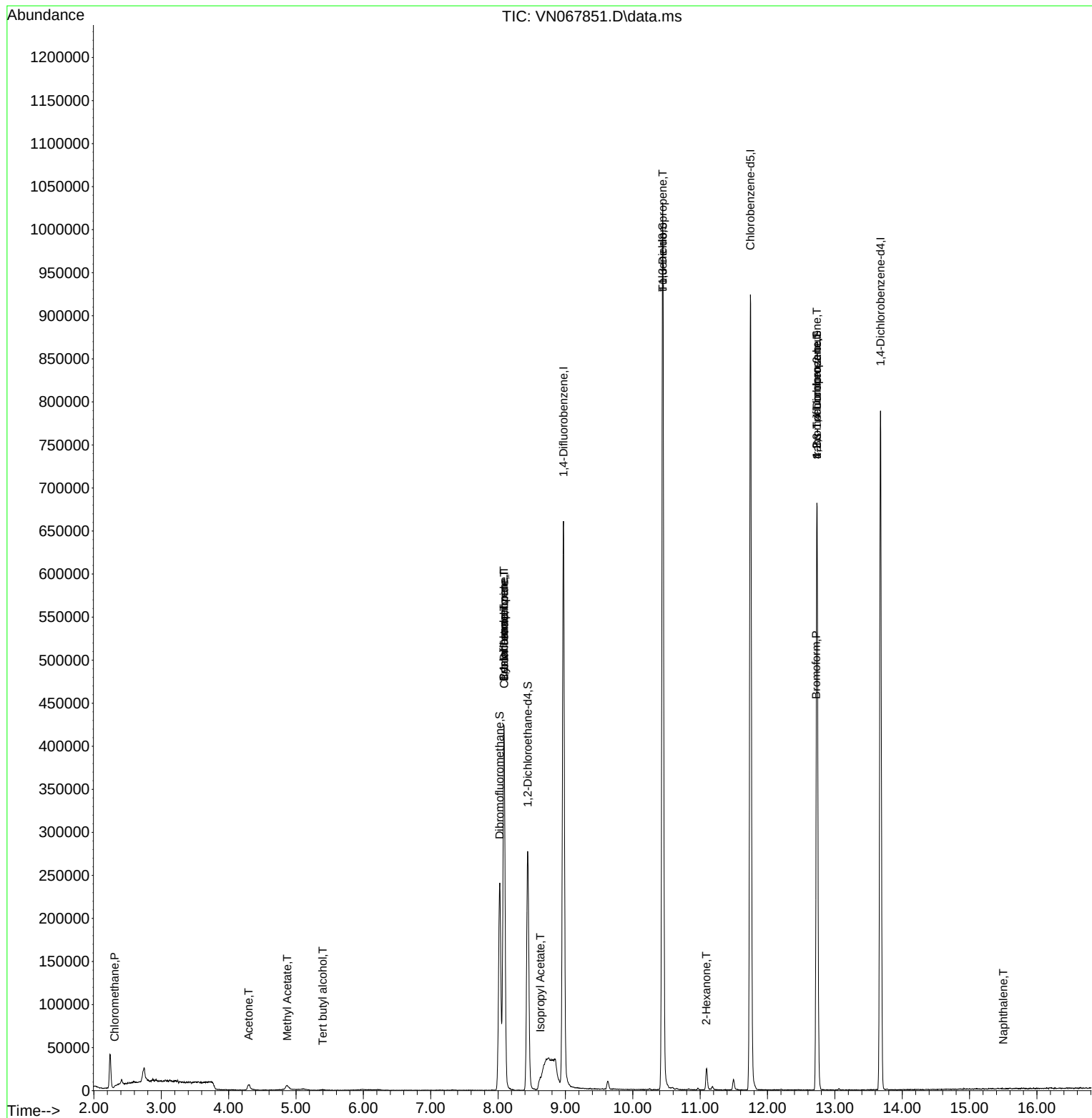
Internal Standards						
1) Pentafluorobenzene	8.088	168	301489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	580845	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	545500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	203578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	236696	51.948	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.900%			
35) Dibromofluoromethane	8.024	113	175479	50.004	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.000%			
50) Toluene-d8	10.443	98	723071	49.225	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.440%			
62) 4-Bromofluorobenzene	12.734	95	240644	46.376	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.760%			
Target Compounds						Qvalue
3) Chloromethane	2.306	50	818	0.202	ug/l	97
5) Bromomethane	2.834	94	93	Below Cal	#	4
6) Chloroethane	3.084	64	83	Below Cal	#	44
7) Trichlorofluoromethane	3.355	101	54	Below Cal	#	18
11) Tert butyl alcohol	5.396	59	263	0.402	ug/l #	71
13) Acrolein	4.036	56	229	Below Cal	#	14
16) Acetone	4.296	43	12120	8.454	ug/l #	89
18) Methyl Acetate	4.870	43	10618	2.637	ug/l #	82
20) Methylene Chloride	5.090	84	25	Below Cal	#	62
31) Cyclohexane	8.088	56	7892	1.235	ug/l #	42
36) 1,1-Dichloropropene	8.088	75	28066	5.202	ug/l #	51
38) Carbon Tetrachloride	8.091	117	33485	6.292	ug/l #	17
43) Isopropyl Acetate	8.627	43	9803	1.066	ug/l #	58
53) t-1,3-Dichloropropene	10.443	75	26	1.748	ug/l #	1
59) 2-Hexanone	11.092	43	3925	0.995	ug/l #	59
71) Bromoform	12.723	173	581	3.331	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	136154	32.750	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	136154	105.588	ug/l #	6
95) Naphthalene	15.501	128	342	3.044	ug/l #	69

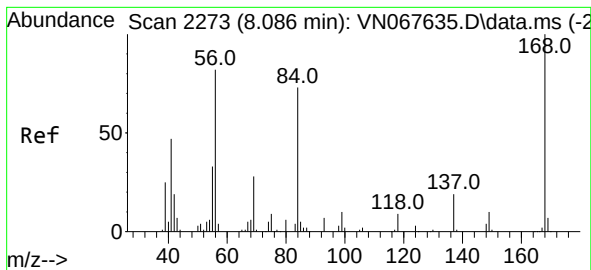
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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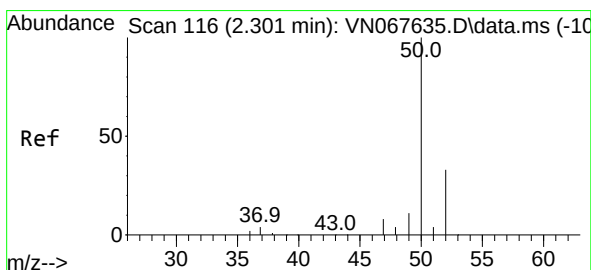
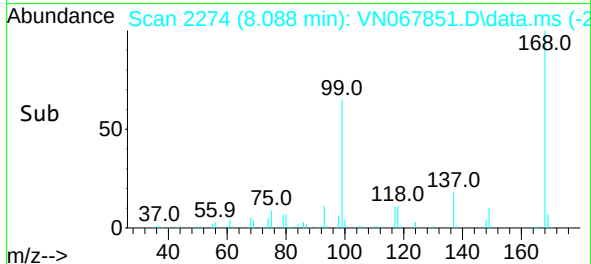
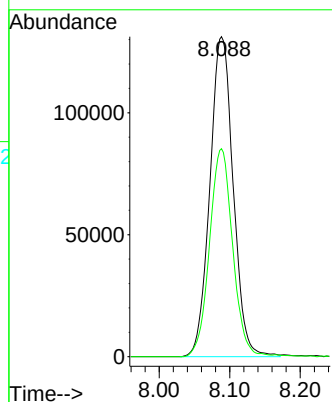
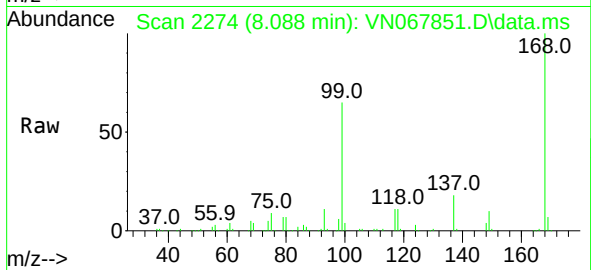




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

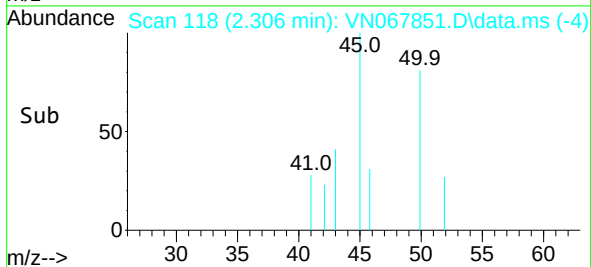
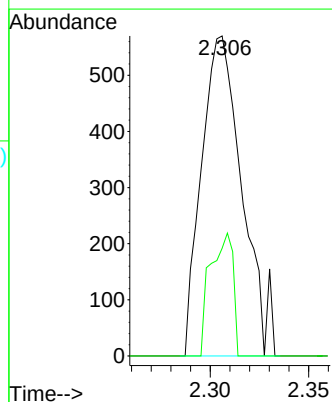
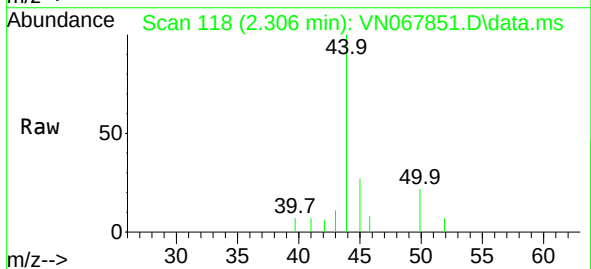
Instrument :
MSVOA_N
ClientSampled :

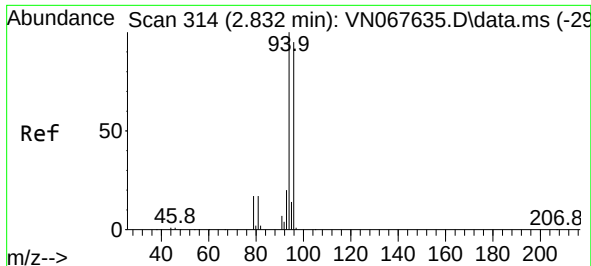
Tgt Ion:168 Resp: 301489
Ion Ratio Lower Upper
168 100
99 65.0 62.9 94.3



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 50 Resp: 818
Ion Ratio Lower Upper
50 100
52 33.7 25.6 38.4

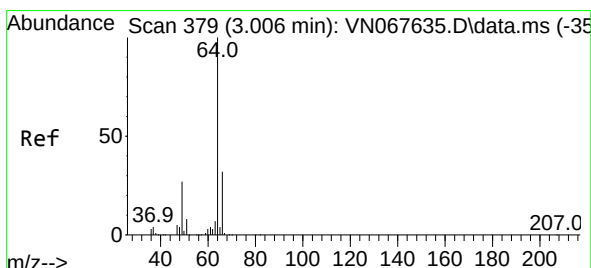
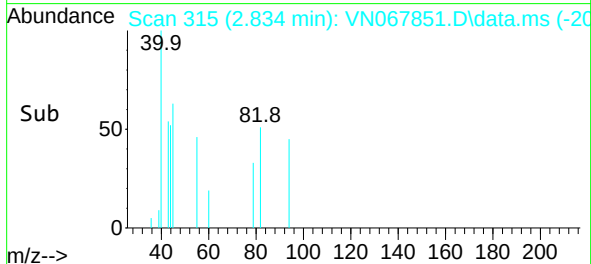
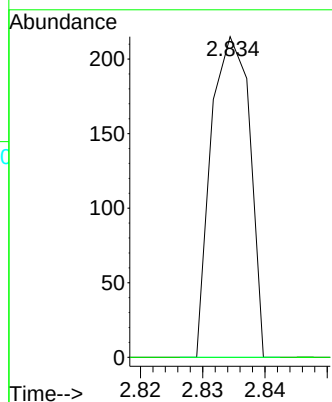
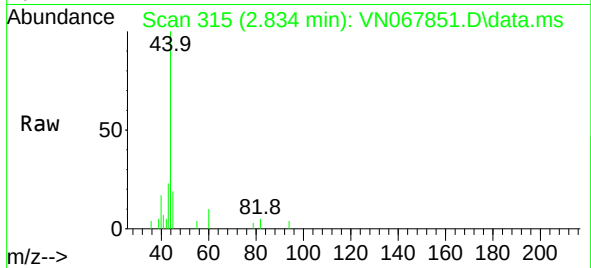




#5
Bromomethane
Concen: Below Cal
RT: 2.834 min Scan# 315
Delta R.T. 0.002 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

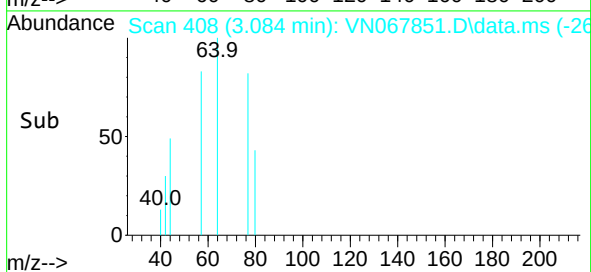
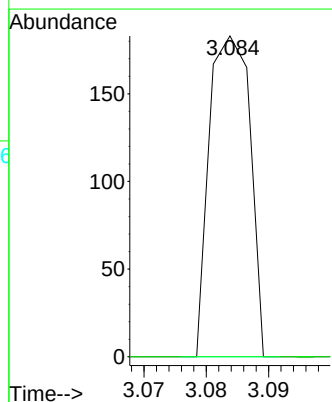
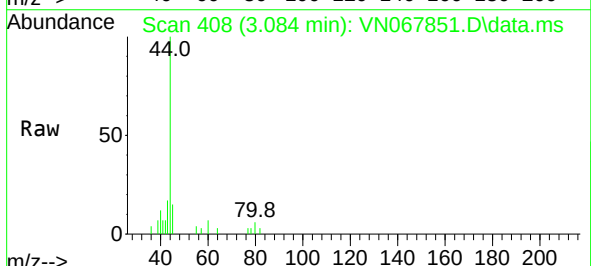
Instrument :
MSVOA_N
ClientSampled :

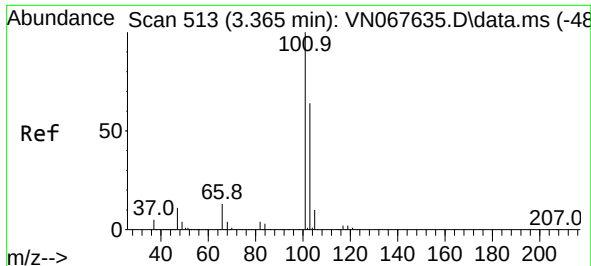
Tgt Ion: 94 Resp: 93
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.084 min Scan# 408
Delta R.T. 0.078 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 64 Resp: 83
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

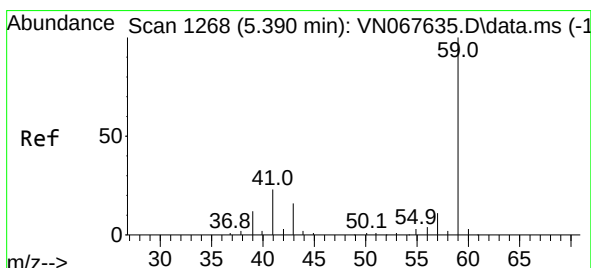
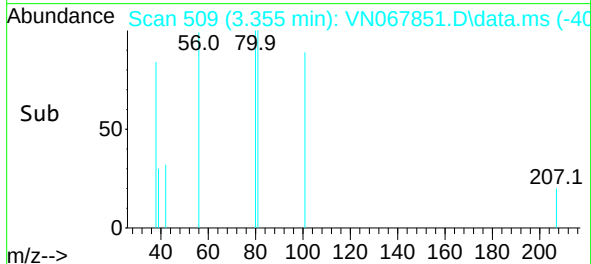
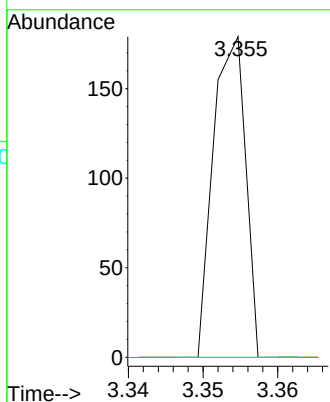
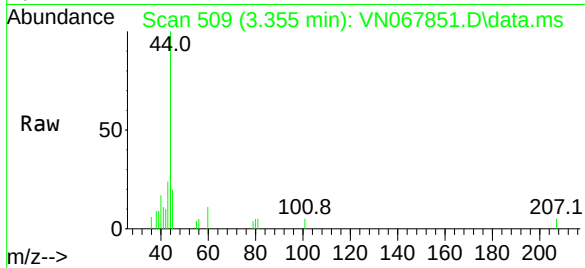




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.355 min Scan# 509
Delta R.T. -0.010 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

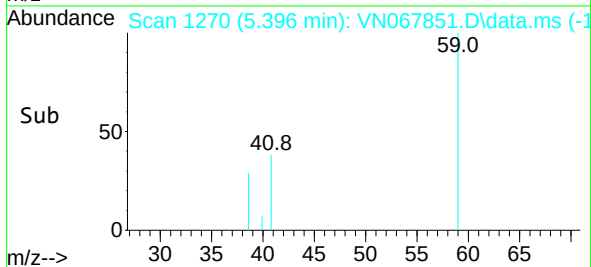
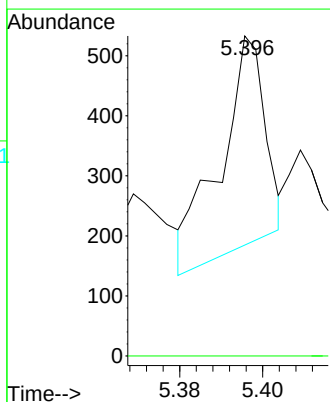
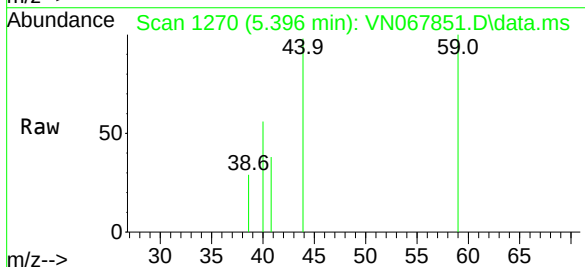
Instrument :
MSVOA_N
ClientSampled :

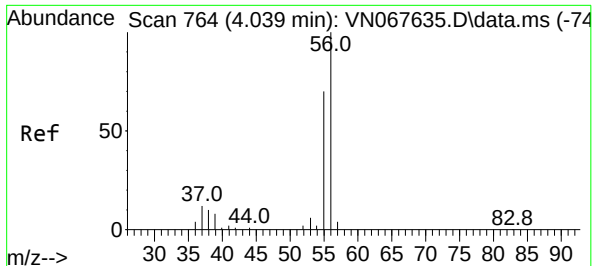
Tgt Ion:101 Resp: 54
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



#11
Tert butyl alcohol
Concen: 0.402 ug/l
RT: 5.396 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

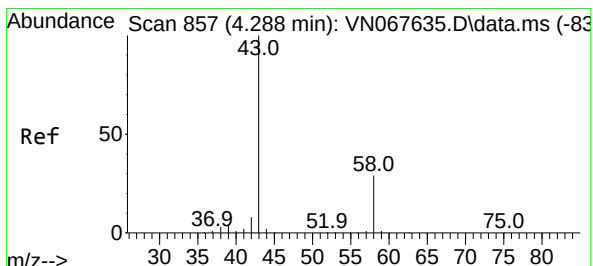
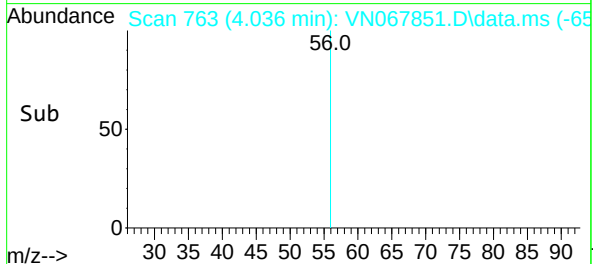
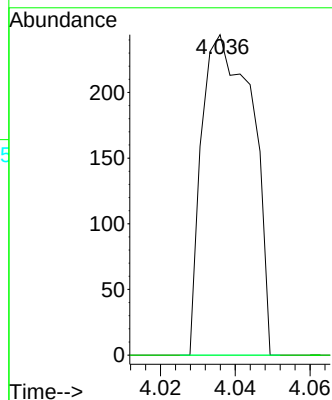
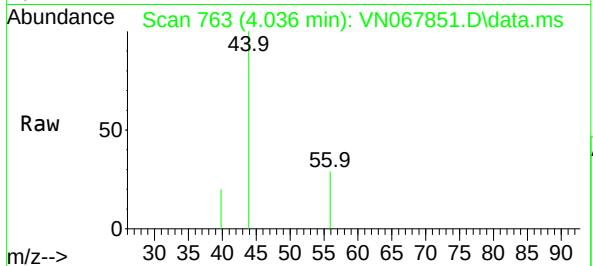




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

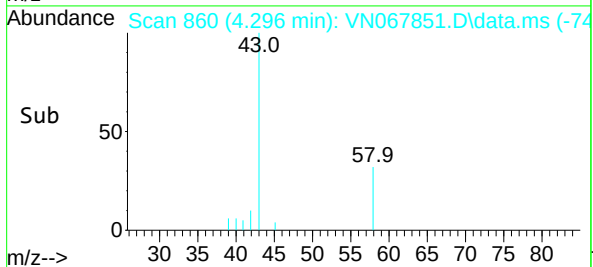
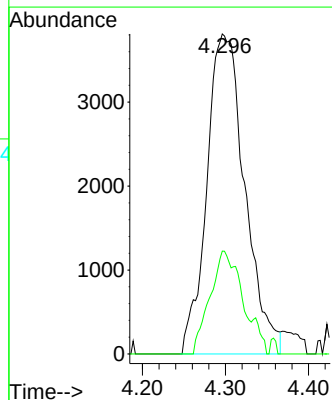
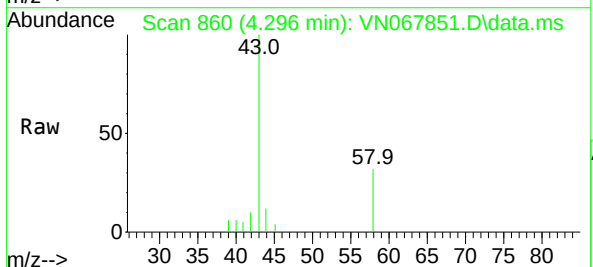
Instrument :
MSVOA_N
ClientSampled :

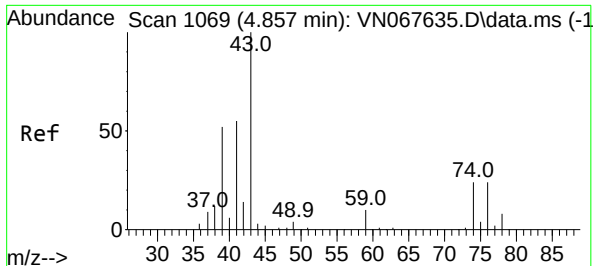
Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 8.454 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 43 Resp: 12120
Ion Ratio Lower Upper
43 100
58 32.2 21.2 31.8#

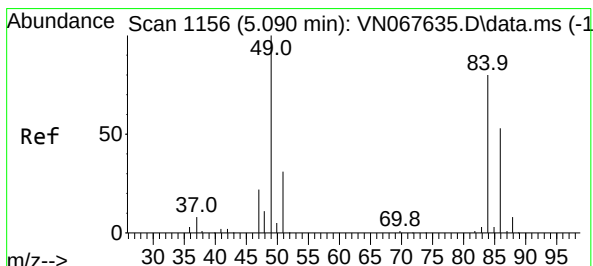
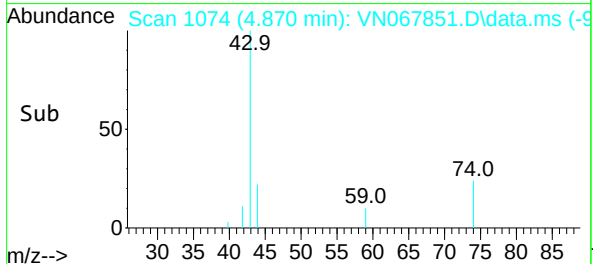
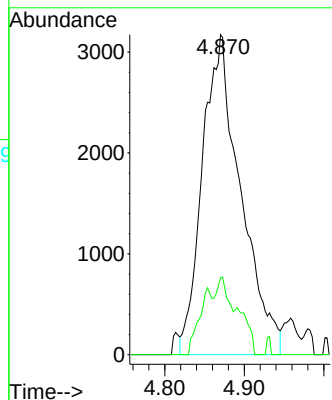
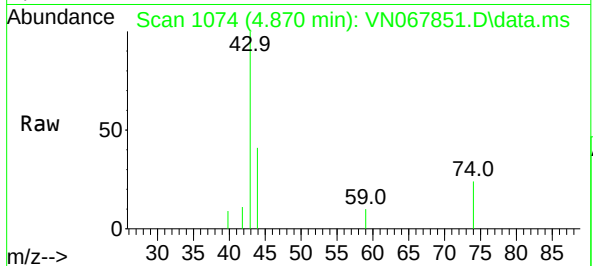




#18
Methyl Acetate
Concen: 2.637 ug/l
RT: 4.870 min Scan# 1074
Delta R.T. 0.013 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

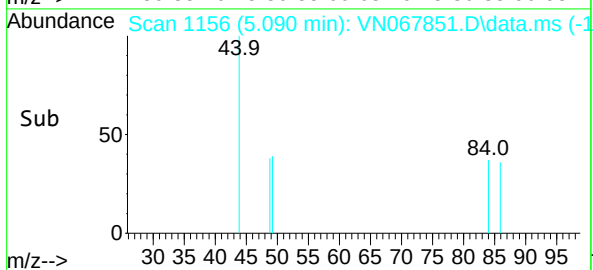
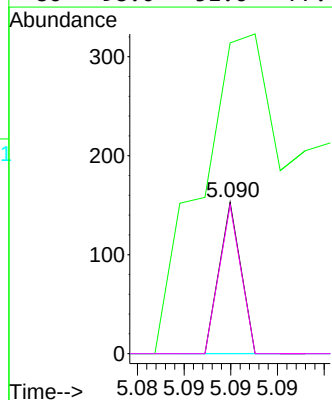
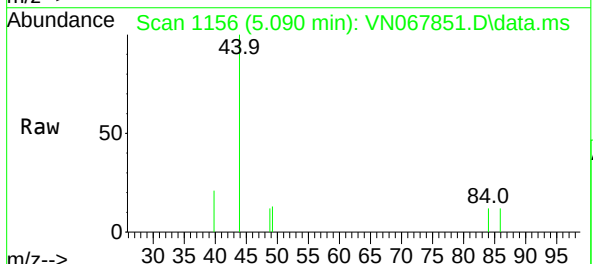
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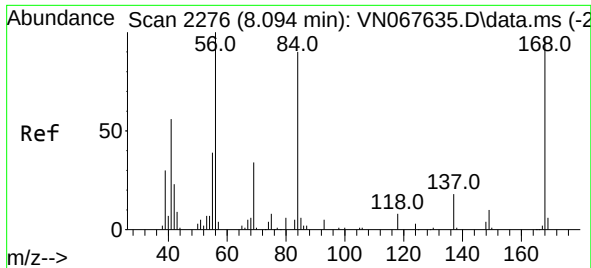
Tgt Ion: 43 Resp: 10618
Ion Ratio Lower Upper
43 100
74 13.3 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.090 min Scan# 1156
Delta R.T. -0.000 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 84 Resp: 25
Ion Ratio Lower Upper
84 100
49 105.9 110.9 166.3#
51 0.0 32.6 49.0#
86 98.0 51.6 77.4#

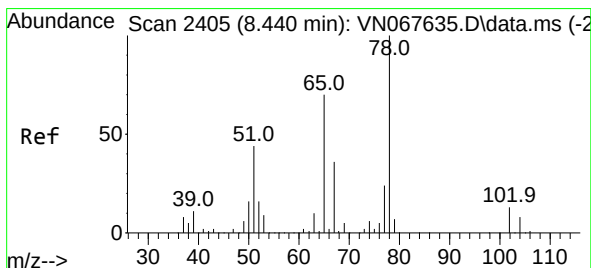
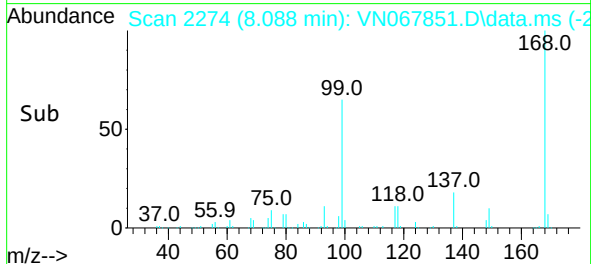
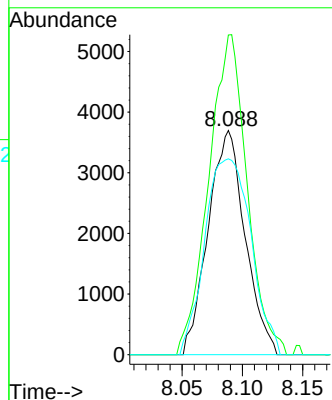
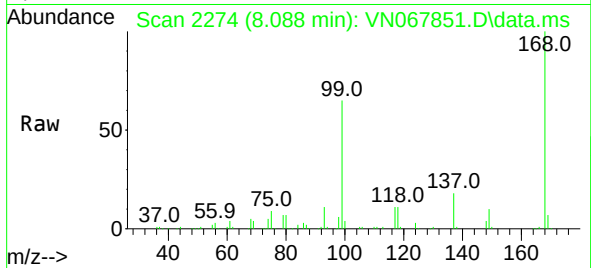




#31
Cyclohexane
Concen: 1.235 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

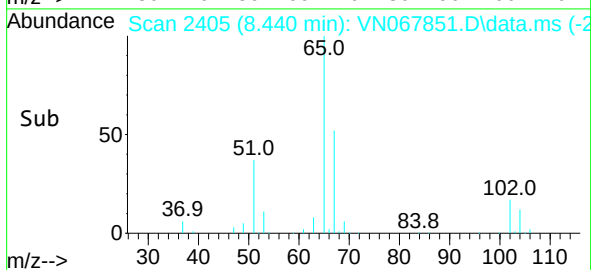
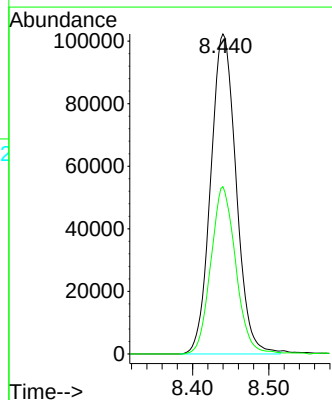
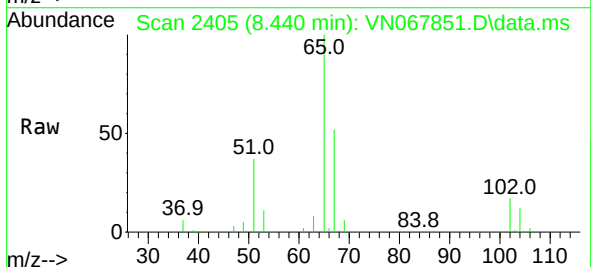
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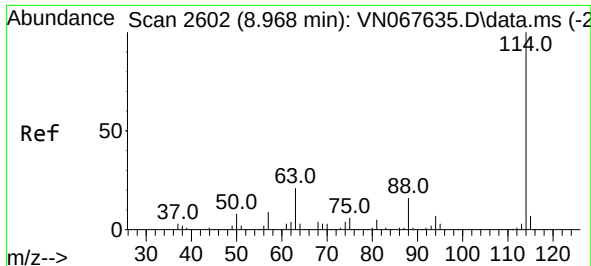
Tgt Ion: 56 Resp: 7892
Ion Ratio Lower Upper
56 100
69 136.8 27.3 40.9#
84 87.4 64.9 97.3



#33
1,2-Dichloroethane-d4
Concen: 51.948 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 65 Resp: 236696
Ion Ratio Lower Upper
65 100
67 51.1 0.0 98.6

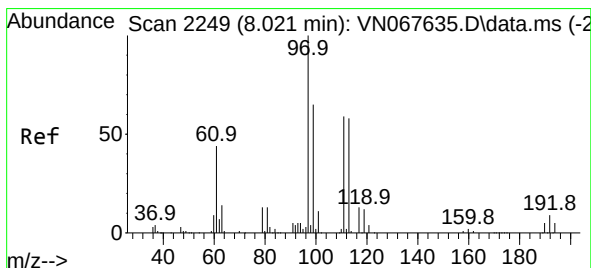
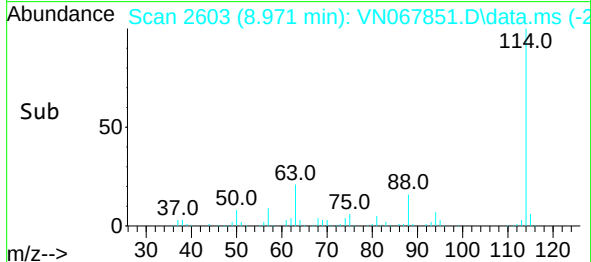
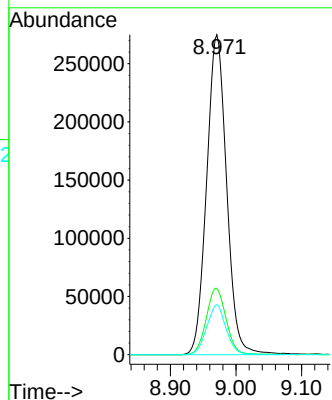
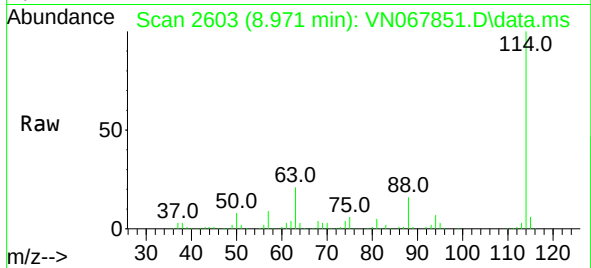




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

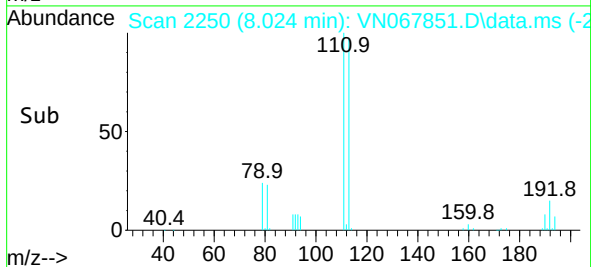
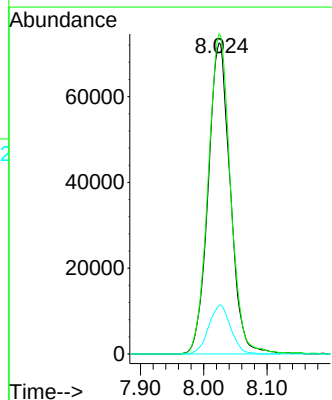
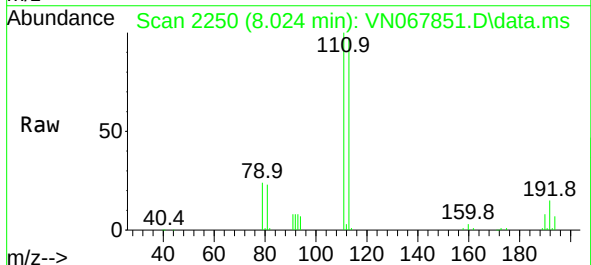
Instrument :
MSVOA_N
ClientSampleId :

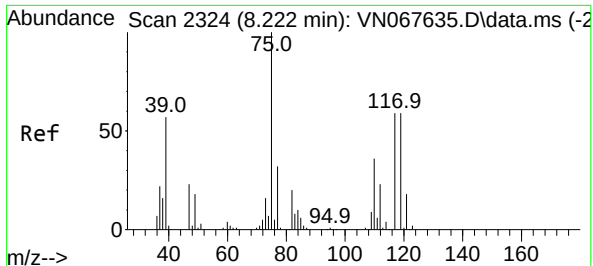
Tgt Ion:114 Resp: 580845
Ion Ratio Lower Upper
114 100
63 20.7 0.0 49.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 50.004 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

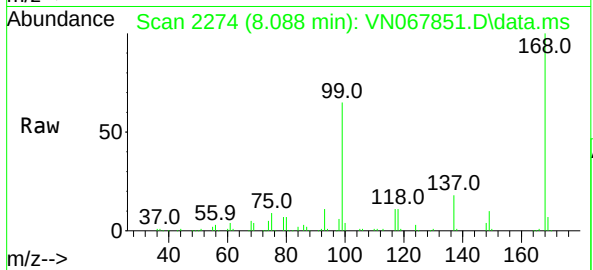
Tgt Ion:113 Resp: 175479
Ion Ratio Lower Upper
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111 104.1 83.8 125.8
192 15.6 13.4 20.0



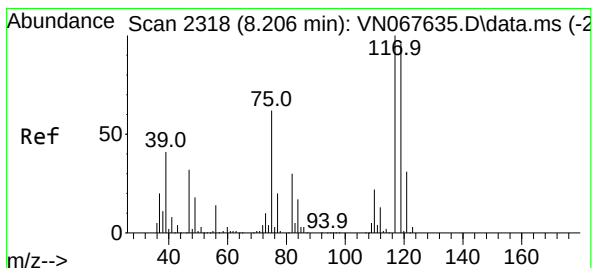
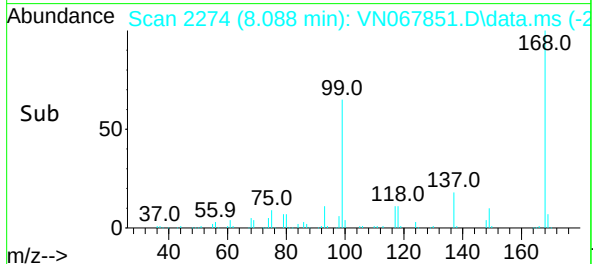
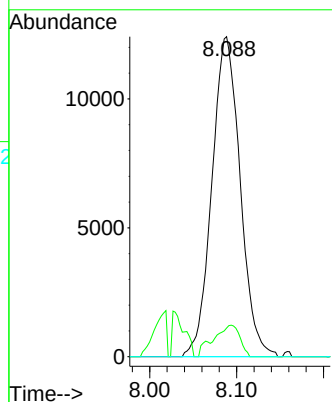


#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Instrument :
MSVOA_N
ClientSampled :

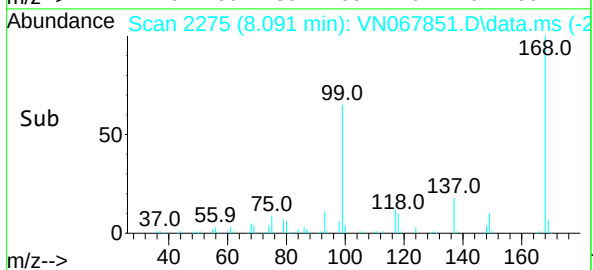
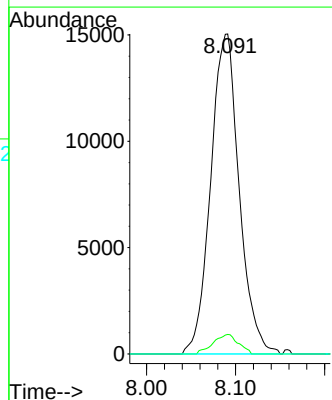
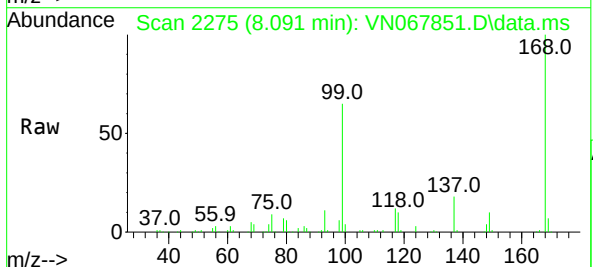


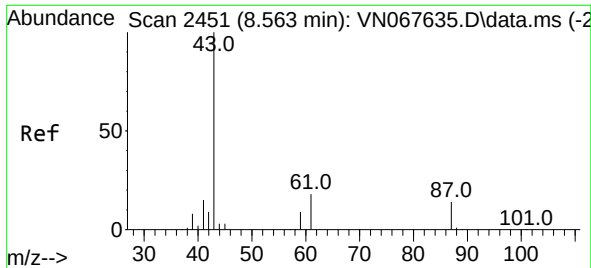
Tgt Ion: 75 Resp: 28066
Ion Ratio Lower Upper
75 100
110 7.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.115 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 117 Resp: 33485
Ion Ratio Lower Upper
117 100
119 6.1 75.4 113.2#
121 0.0 23.5 35.3#

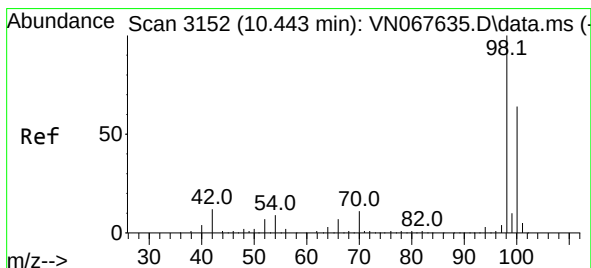
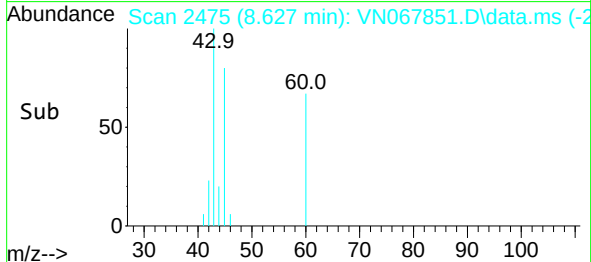
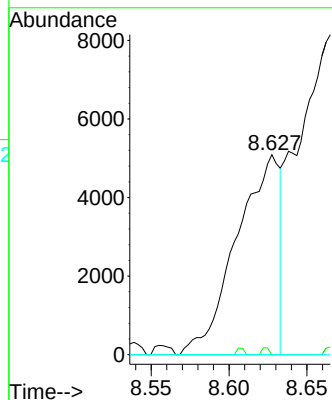
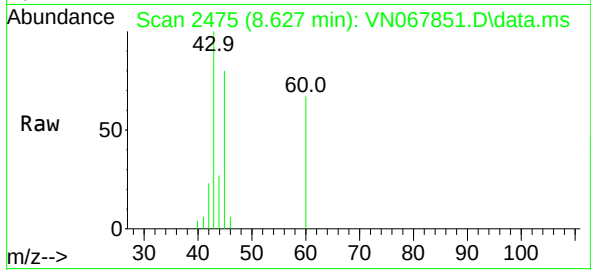




#43
Isopropyl Acetate
Concen: 1.066 ug/l
RT: 8.627 min Scan# 2475
Delta R.T. 0.064 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

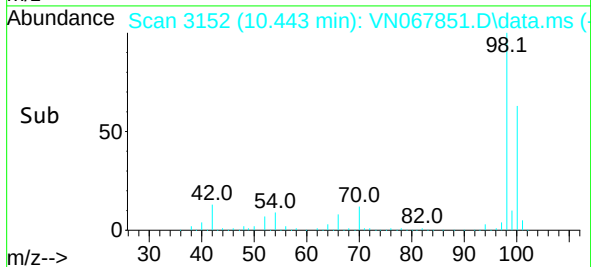
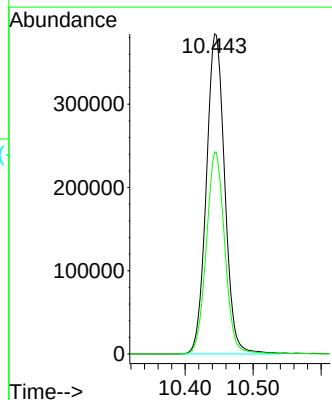
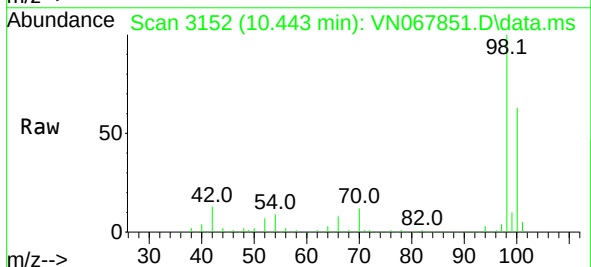
Instrument :
MSVOA_N
ClientSampleId :

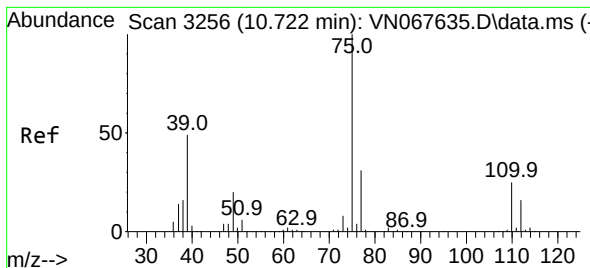
Tgt Ion: 43 Resp: 9803
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 49.225 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 98 Resp: 723071
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

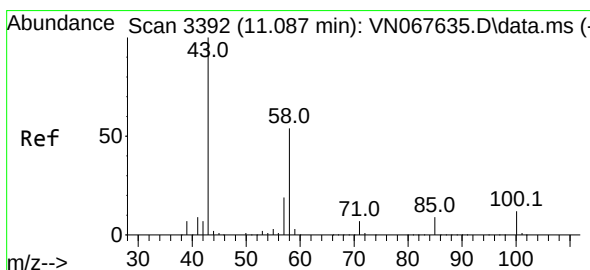
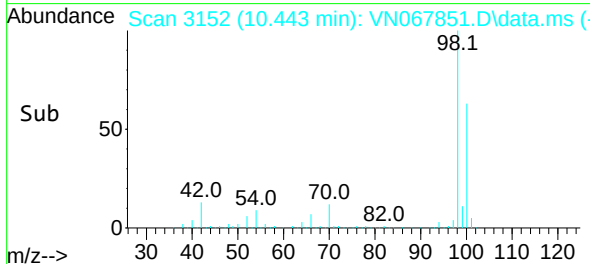
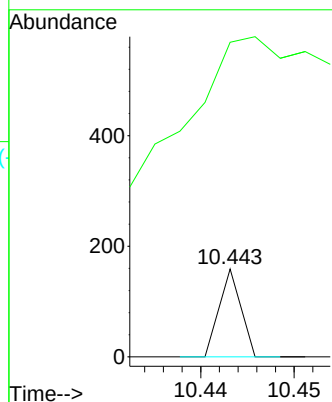
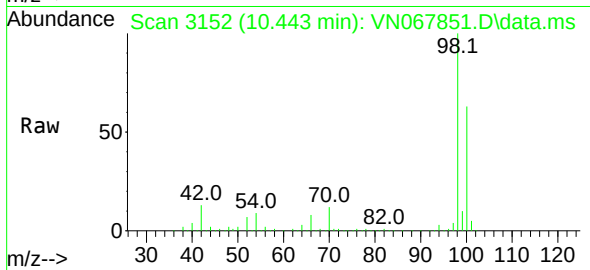




#53
t-1,3-Dichloropropene
Concen: 1.748 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.279 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

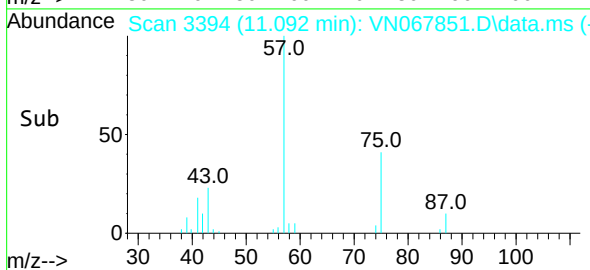
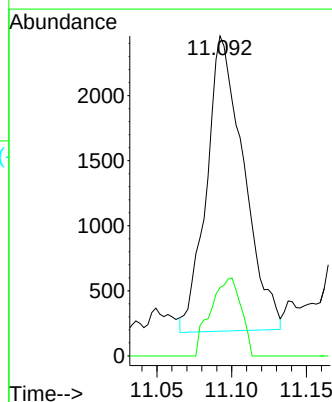
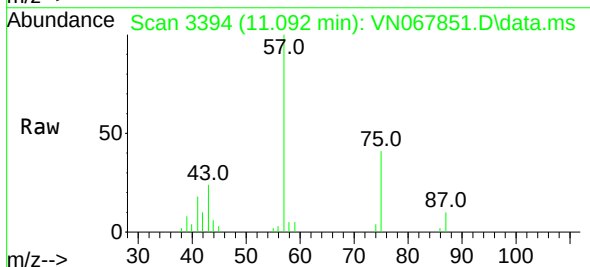
Instrument :
MSVOA_N
ClientSampled :

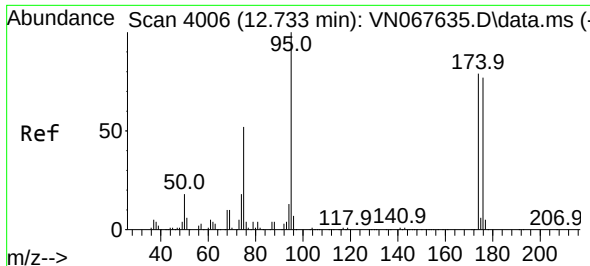
Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 101.3 25.1 37.7#



#59
2-Hexanone
Concen: 0.995 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 43 Resp: 3925
Ion Ratio Lower Upper
43 100
58 21.6 24.7 74.1#

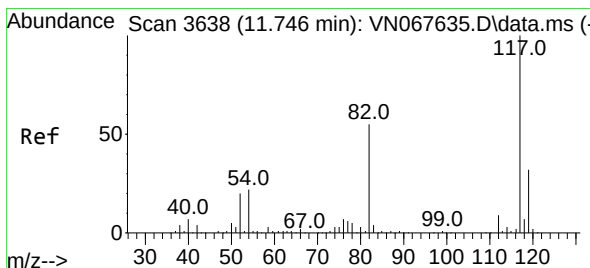
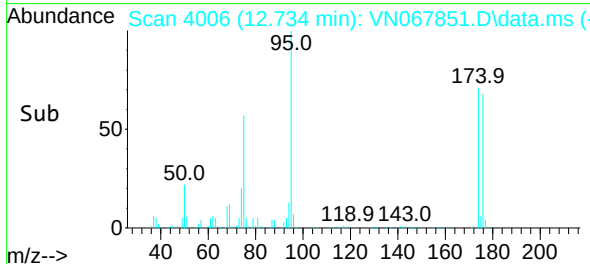
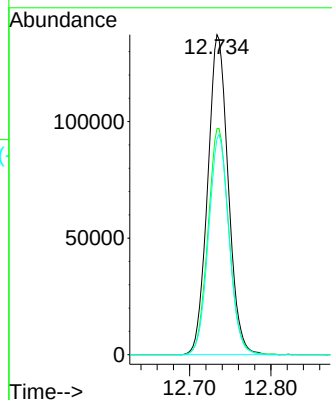
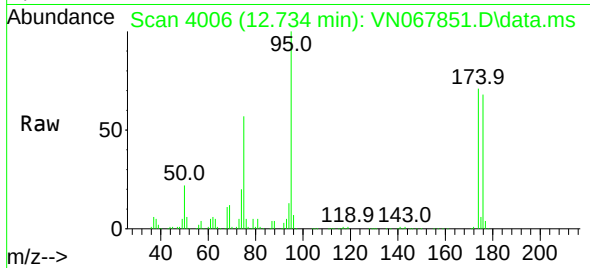




#62
4-Bromofluorobenzene
Concen: 46.376 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

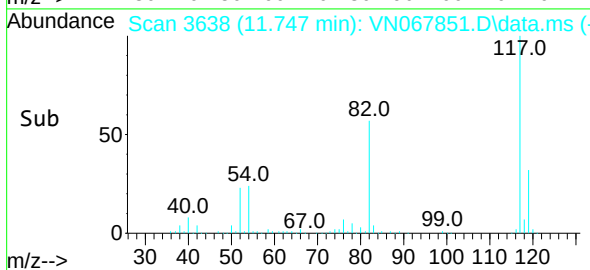
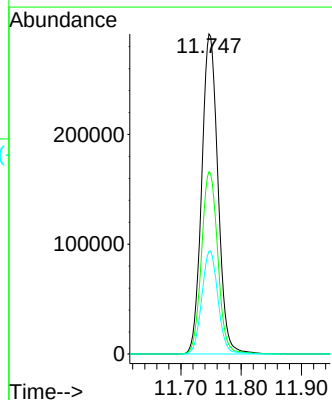
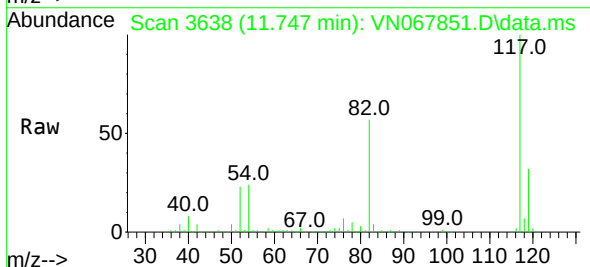
Instrument :
MSVOA_N
ClientSampleId :

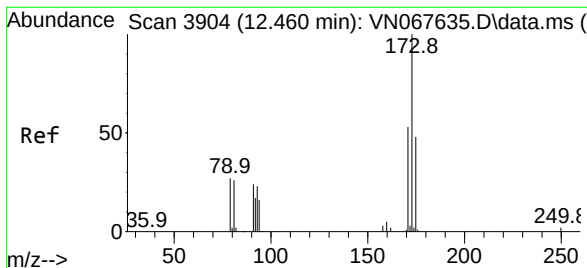
Tgt Ion: 95 Resp: 240644
Ion Ratio Lower Upper
95 100
174 72.0 0.0 122.0
176 68.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion: 117 Resp: 545500
Ion Ratio Lower Upper
117 100
82 56.9 53.1 79.7
119 32.1 25.5 38.3

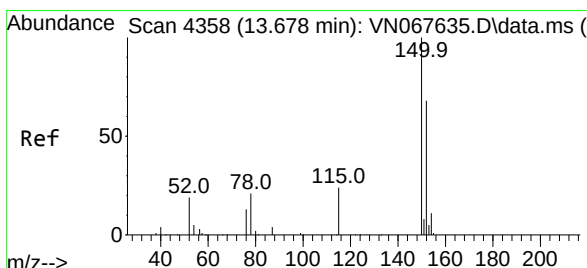
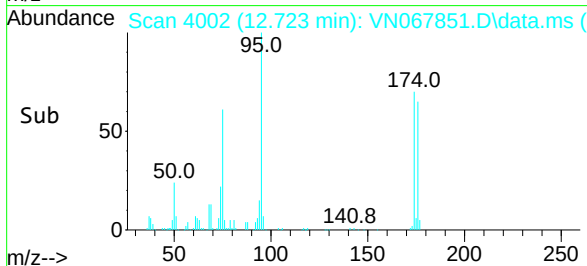
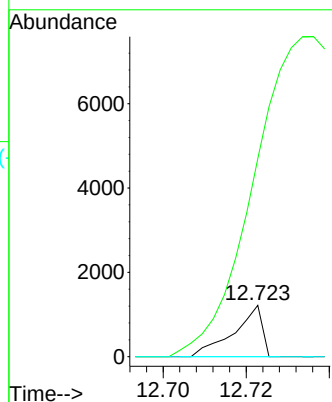
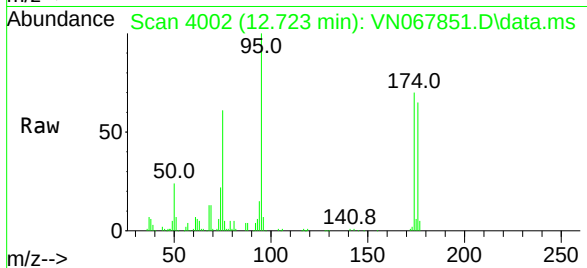




#71
Bromoform
Concen: 3.331 ug/l
RT: 12.723 min Scan# 4002
Delta R.T. 0.263 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

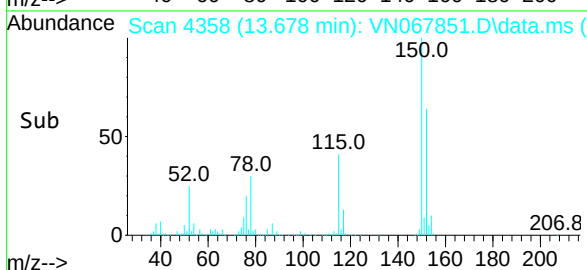
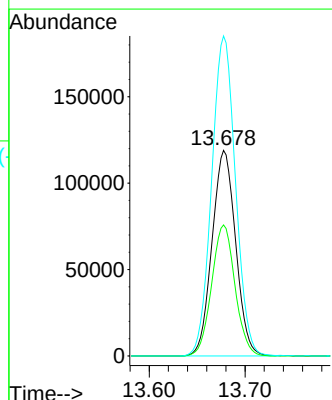
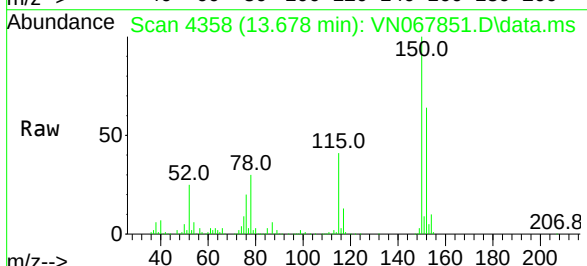
Instrument :
MSVOA_N
ClientSampleId :

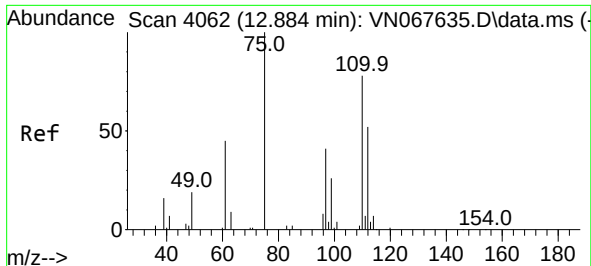
Tgt Ion:173 Resp: 581
Ion Ratio Lower Upper
173 100
175 2121.7 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Tgt Ion:152 Resp: 203578
Ion Ratio Lower Upper
152 100
115 63.0 36.1 108.5
150 157.1 0.0 351.8

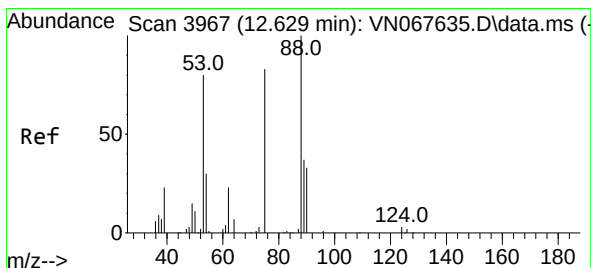
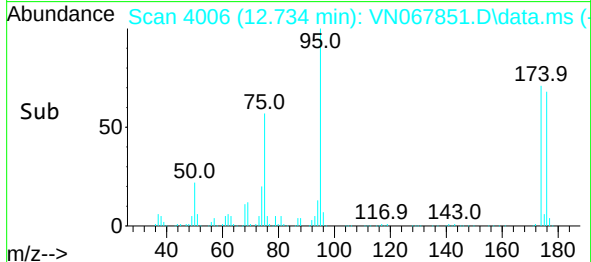
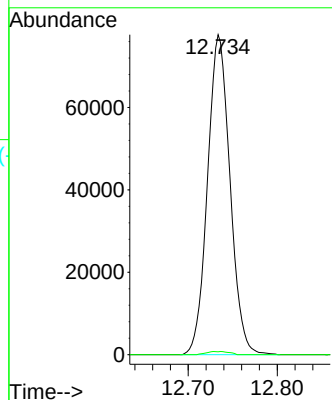
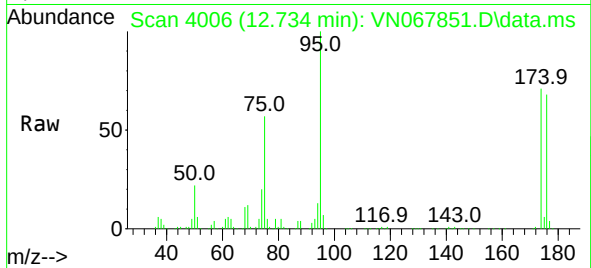




#76
1,2,3-Trichloropropane
Concen: 32.750 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

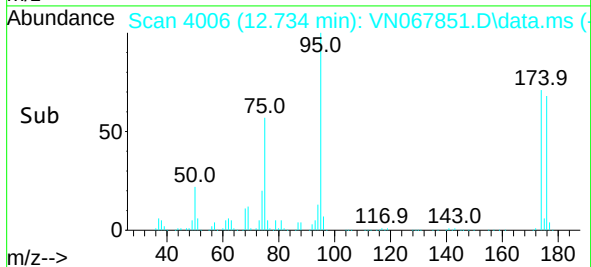
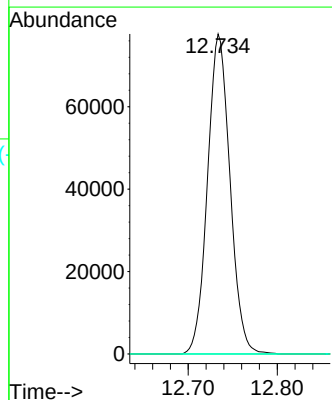
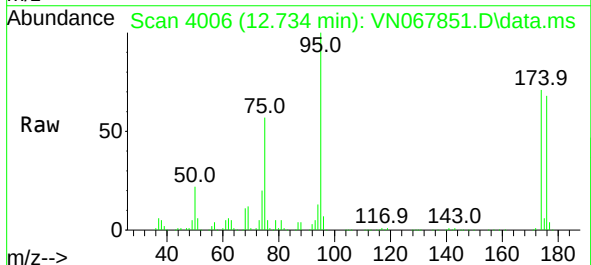
Instrument :
MSVOA_N
ClientSampleId :

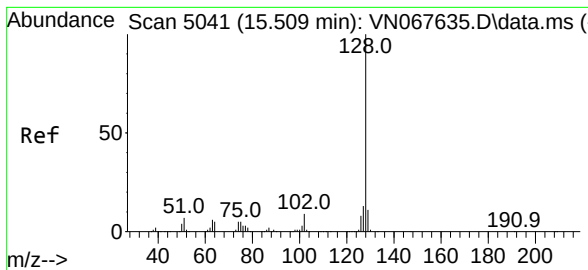
Tgt Ion: 75 Resp: 136154
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.588 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

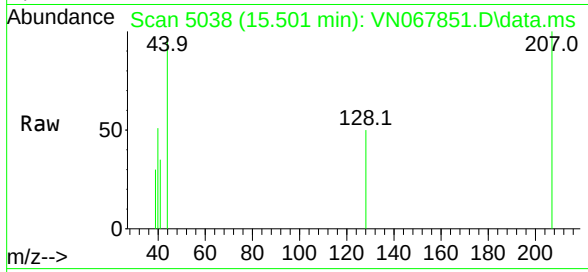
Tgt Ion: 75 Resp: 136154
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#





#95
Naphthalene
Concen: 3.044 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.008 min
Lab File: VN067851.D
Acq: 21 Jul 2021 20:19

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 342
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

