

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072721\
 Data File : VN067927.D
 Acq On : 27 Jul 2021 14:44
 Operator : JC/MD
 Sample : M3129-01
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 28 05:19:54 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)

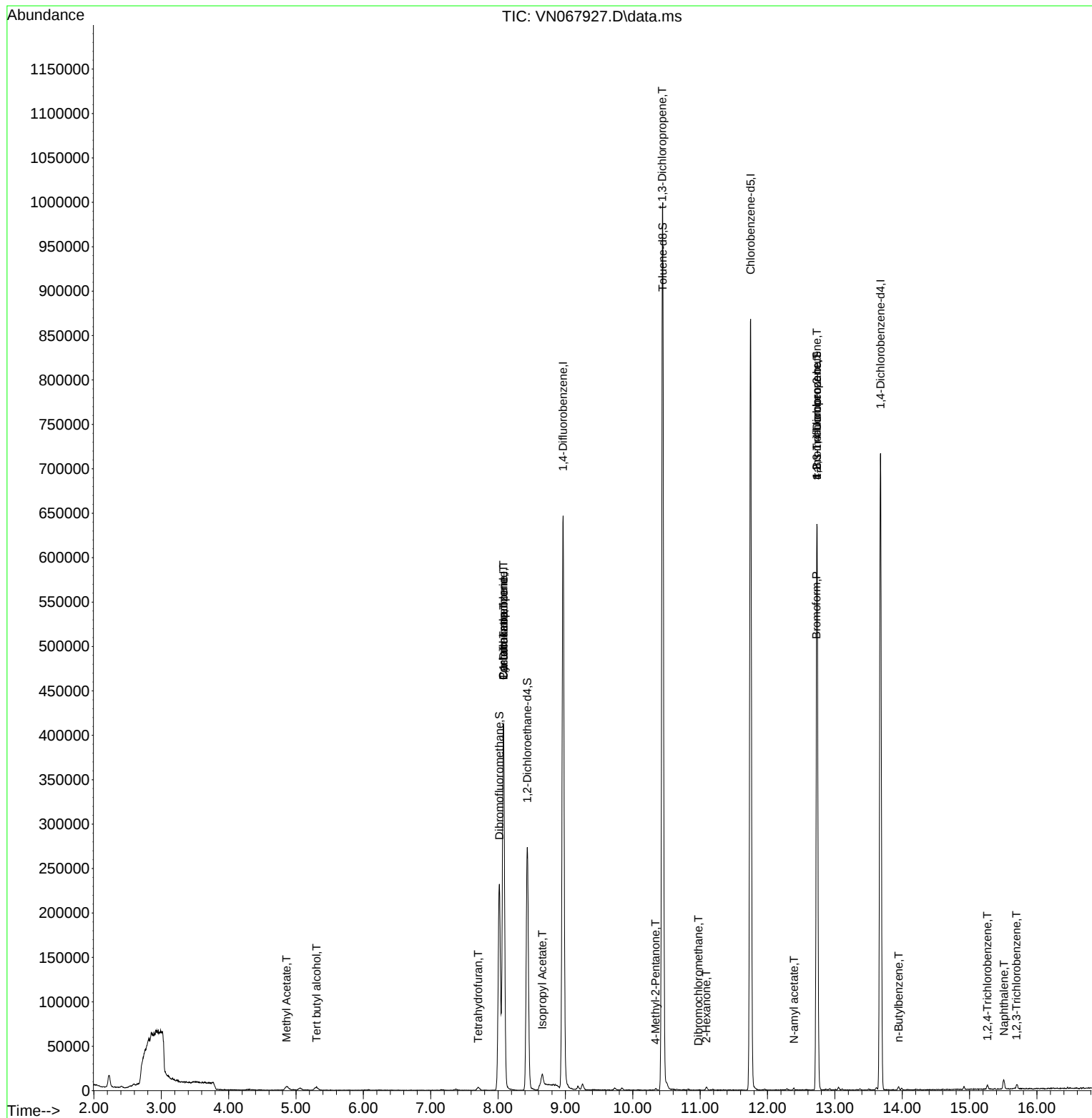
Internal Standards						
1) Pentafluorobenzene	8.078	168	301827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	574955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	510033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	189168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	236190	51.779	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 103.560%			
35) Dibromofluoromethane	8.019	113	172126	49.551	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.100%			
50) Toluene-d8	10.443	98	712478	49.001	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.000%			
62) 4-Bromofluorobenzene	12.733	95	223609	43.534	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.060%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.837	94	280	Below Cal	#	21
6) Chloroethane	3.014	64	833	Below Cal	#	49
11) Tert butyl alcohol	5.304	59	646	0.986	ug/l #	71
13) Acrolein	4.039	56	95	Below Cal	#	14
18) Methyl Acetate	4.859	43	8894	2.206	ug/l #	64
20) Methylene Chloride	5.071	84	819	Below Cal	#	41
29) Tetrahydrofuran	7.705	42	2244	1.432	ug/l #	64
31) Cyclohexane	8.080	56	7947	1.242	ug/l #	1
36) 1,1-Dichloropropene	8.078	75	27386	5.128	ug/l #	49
38) Carbon Tetrachloride	8.080	117	32794	6.225	ug/l #	18
43) Isopropyl Acetate	8.657	43	11164	1.226	ug/l #	58
51) 4-Methyl-2-Pentanone	10.338	43	1441	0.258	ug/l #	64
53) t-1,3-Dichloropropene	10.438	75	88	1.757	ug/l #	35
59) 2-Hexanone	11.089	43	1553	0.398	ug/l #	58
60) Dibromochloromethane	10.974	129	27	2.362	ug/l #	11
71) Bromoform	12.725	173	740	3.388	ug/l #	1
74) N-amyl acetate	12.393	43	1315	0.237	ug/l #	79
76) 1,2,3-Trichloropropane	12.733	75	124068	32.116	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	124068	103.544	ug/l #	6
89) n-Butylbenzene	13.946	91	2620	0.259	ug/l	93
93) 1,2,4-Trichlorobenzene	15.263	180	938	2.956	ug/l #	27
95) Naphthalene	15.509	128	9677	3.994	ug/l	98
96) 1,2,3-Trichlorobenzene	15.697	180	1949	3.244	ug/l #	88

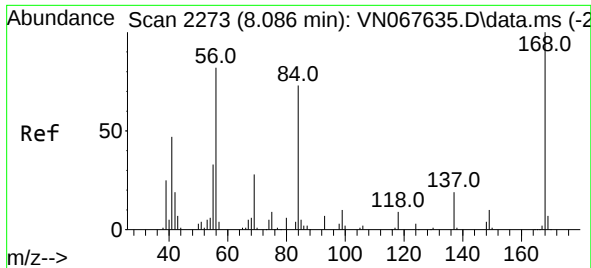
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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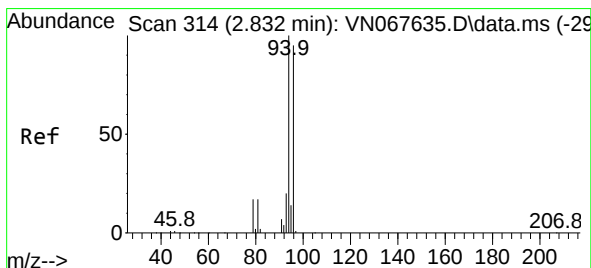
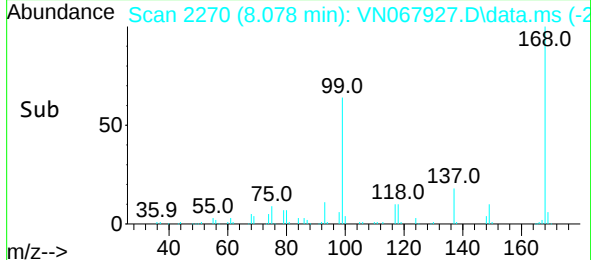
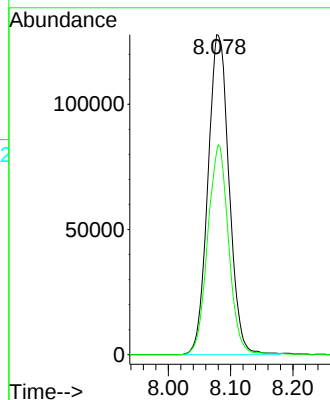
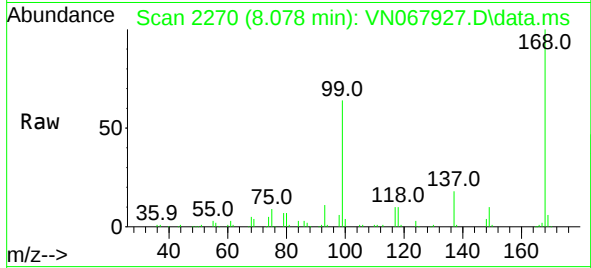




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.008 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

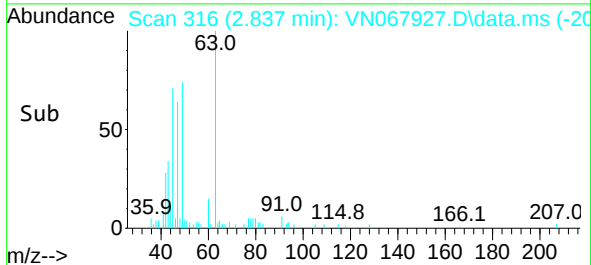
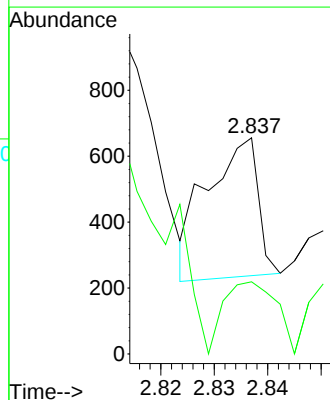
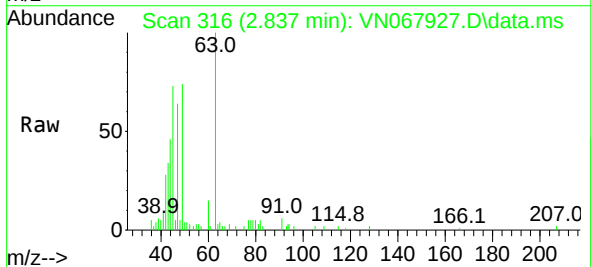
Instrument :
MSVOA_N
ClientSampleId :

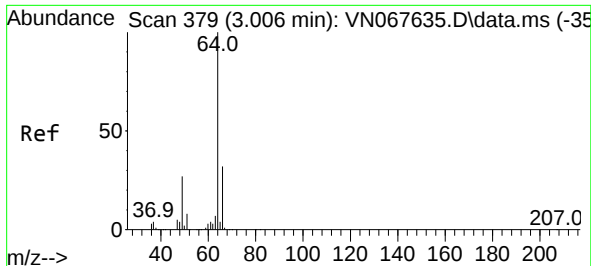
Tgt Ion:168 Resp: 301827
Ion Ratio Lower Upper
168 100
99 63.6 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. 0.005 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion: 94 Resp: 280
Ion Ratio Lower Upper
94 100
96 16.5 73.7 110.5#

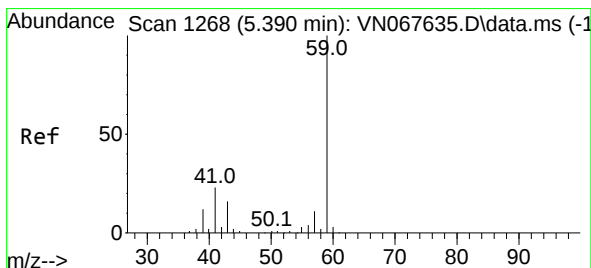
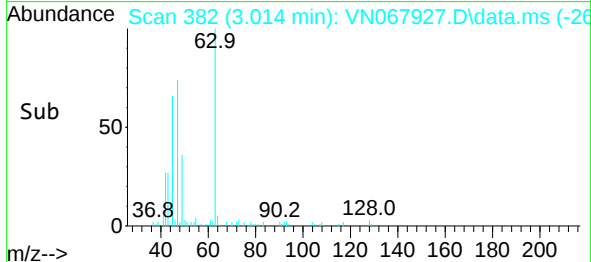
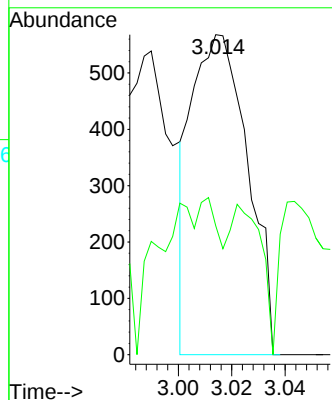
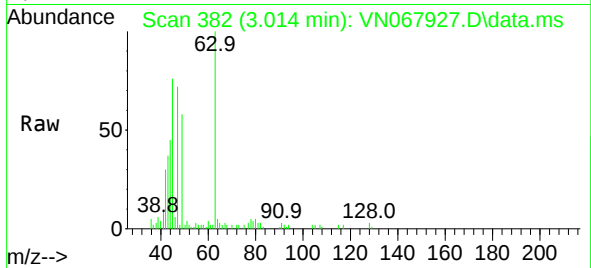




#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. 0.008 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

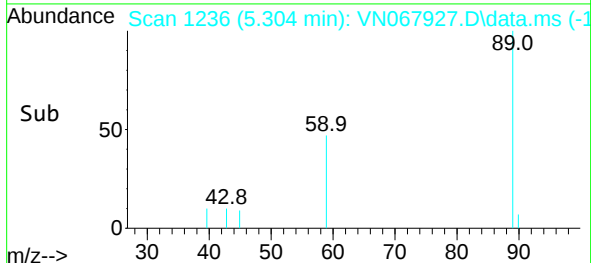
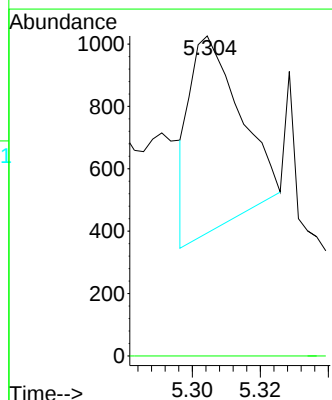
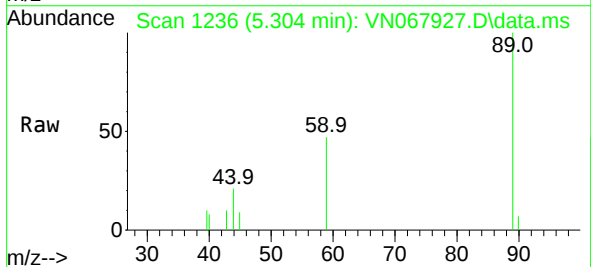
Instrument :
MSVOA_N
ClientSampled :

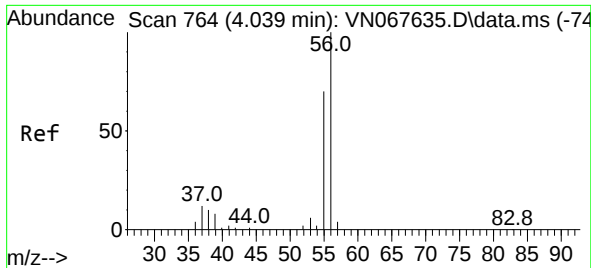
Tgt Ion: 64 Resp: 833
Ion Ratio Lower Upper
64 100
66 2.6 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.986 ug/l
RT: 5.304 min Scan# 1236
Delta R.T. -0.086 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion: 59 Resp: 646
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

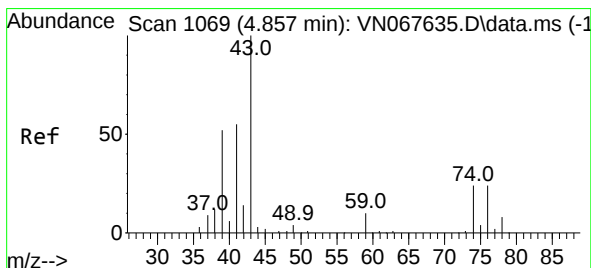
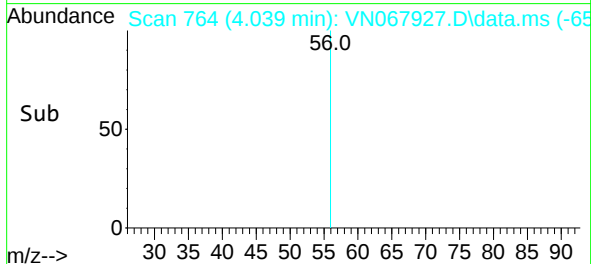
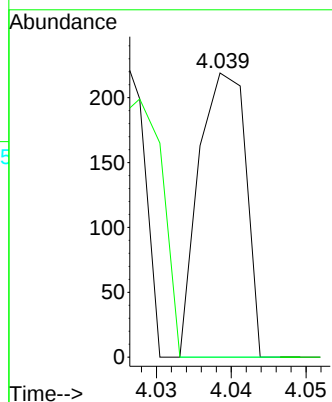
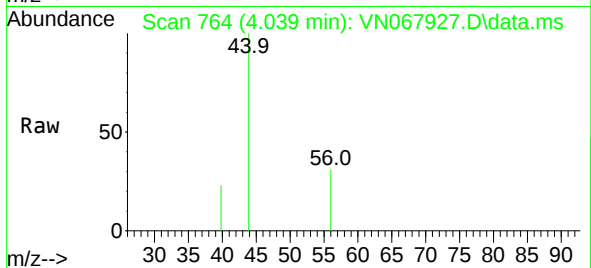




#13
Acrolein
Concen: Below Cal
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

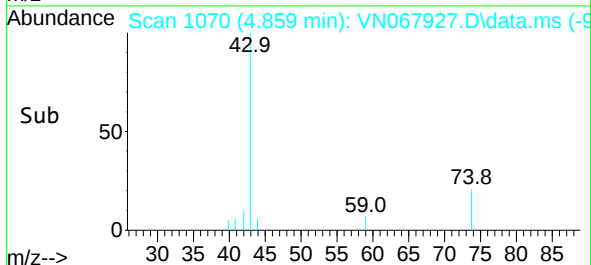
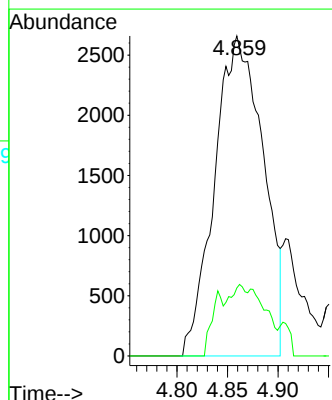
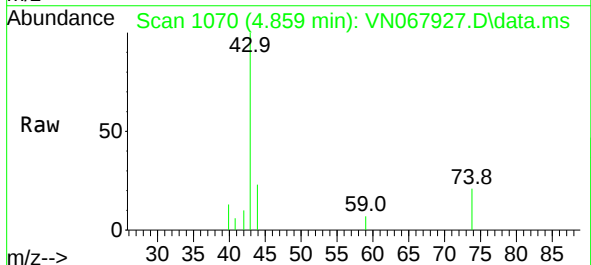
Instrument :
MSVOA_N
ClientSampled :

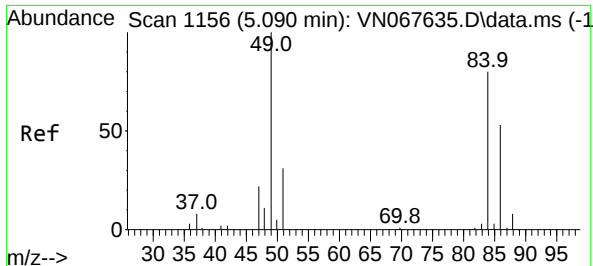
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#18
Methyl Acetate
Concen: 2.206 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.002 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

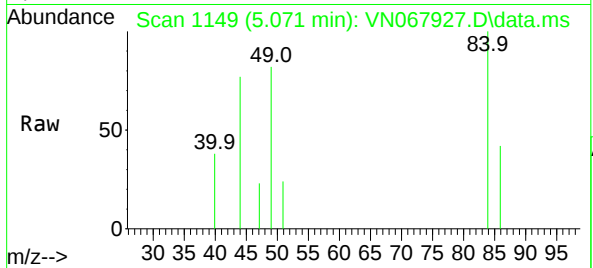
Tgt Ion: 43 Resp: 8894
Ion Ratio Lower Upper
43 100
74 4.7 17.4 26.0#





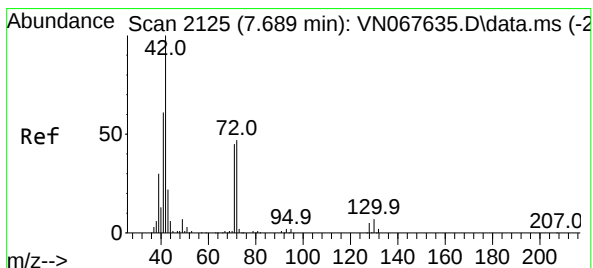
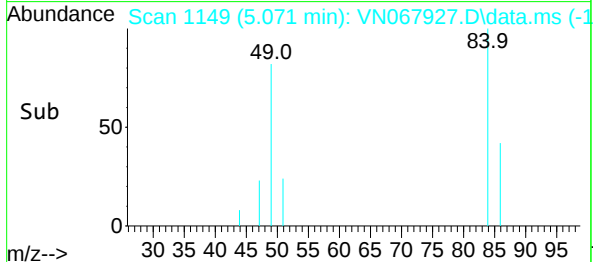
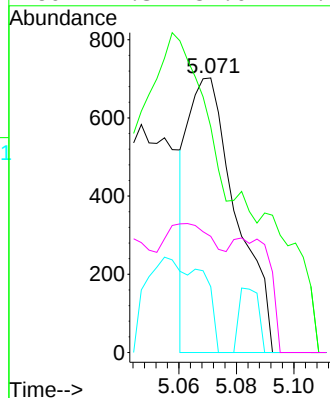
#20
Methylene Chloride
Concen: Below Cal
RT: 5.071 min Scan# 1149
Delta R.T. -0.019 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Instrument :
MSVOA_N
ClientSampled :

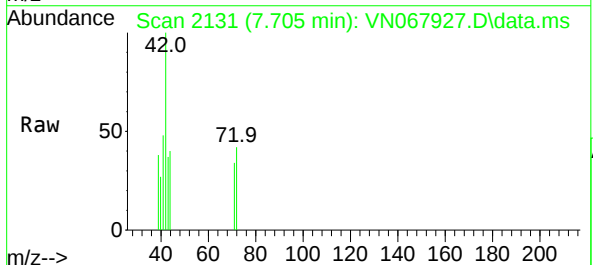


Tgt Ion: 84 Resp: 819

Ion	Ratio	Lower	Upper
84	100		
49	39.5	110.9	166.3#
51	23.9	32.6	49.0#
86	42.3	51.6	77.4#

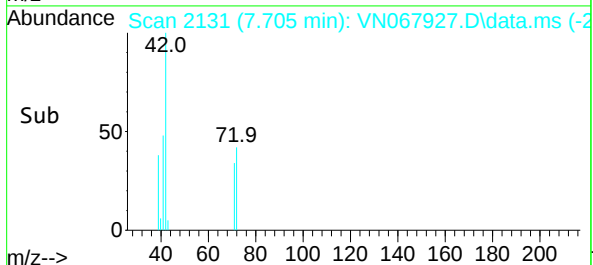
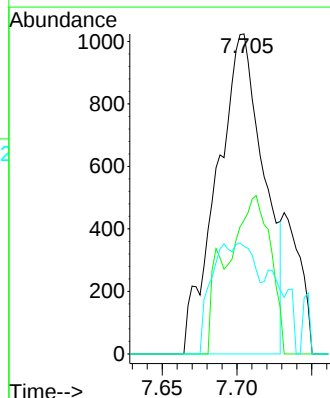


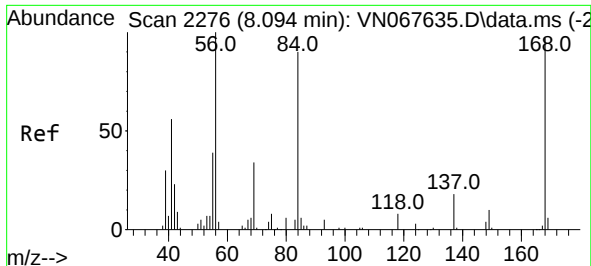
#29
Tetrahydrofuran
Concen: 1.432 ug/l
RT: 7.705 min Scan# 2131
Delta R.T. 0.016 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44



Tgt Ion: 42 Resp: 2244

Ion	Ratio	Lower	Upper
42	100		
72	35.2	32.8	49.2
71	0.0	31.2	46.8#

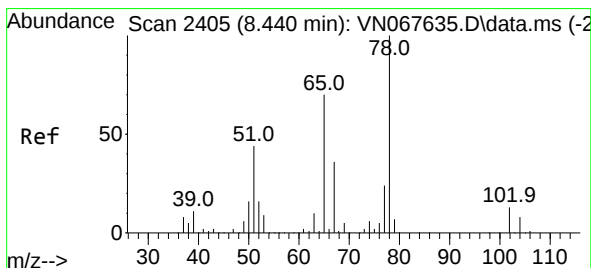
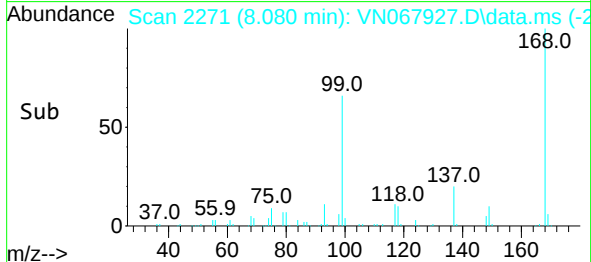
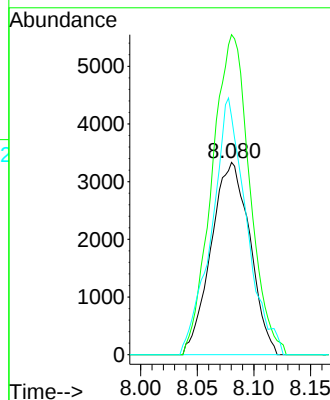
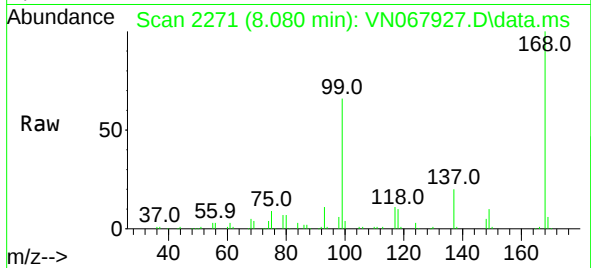




#31
Cyclohexane
Concen: 1.242 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.014 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

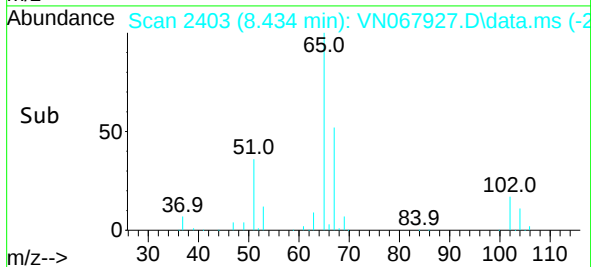
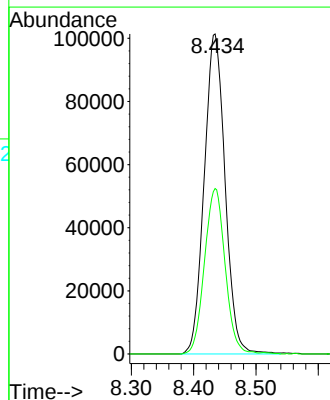
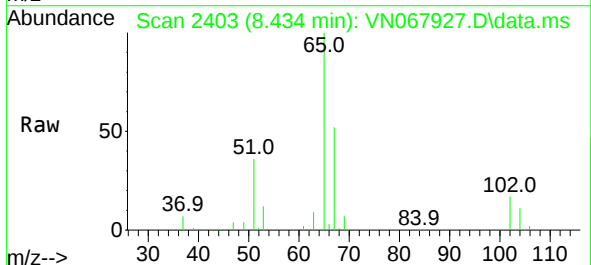
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MSVOA_N
ClientSampleId :

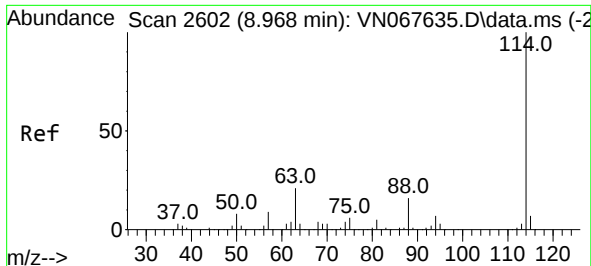
Tgt Ion: 56 Resp: 7947
Ion Ratio Lower Upper
56 100
69 166.4 27.3 40.9#
84 123.7 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 51.779 ug/l
RT: 8.434 min Scan# 2403
Delta R.T. -0.006 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion: 65 Resp: 236190
Ion Ratio Lower Upper
65 100
67 51.0 0.0 98.6

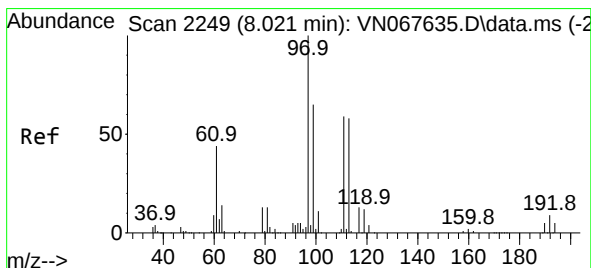
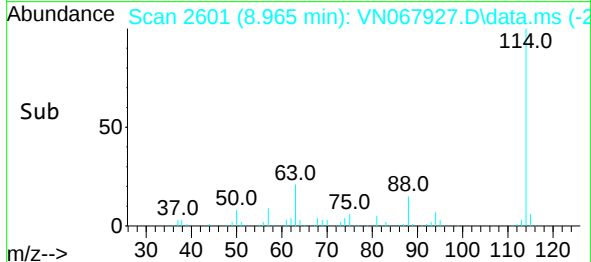
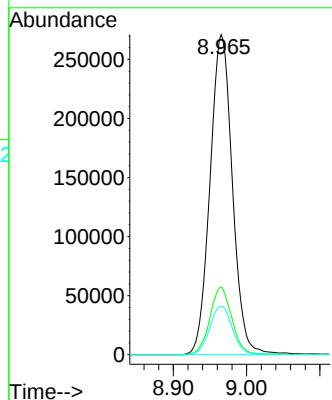
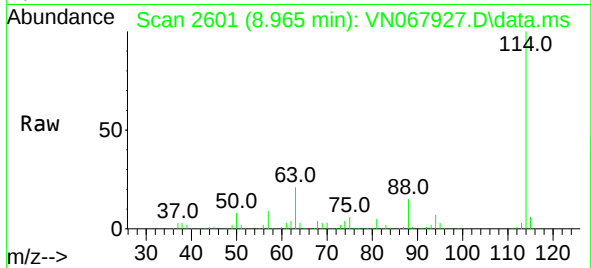




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. -0.003 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

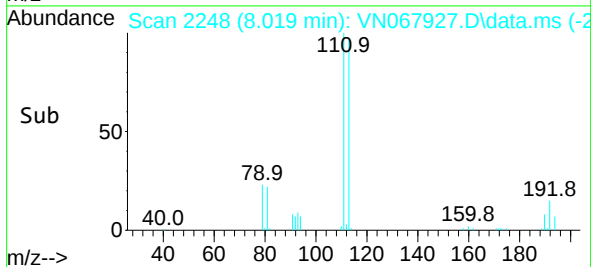
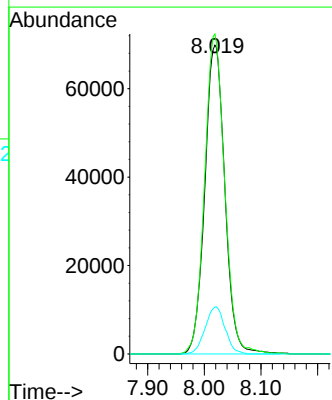
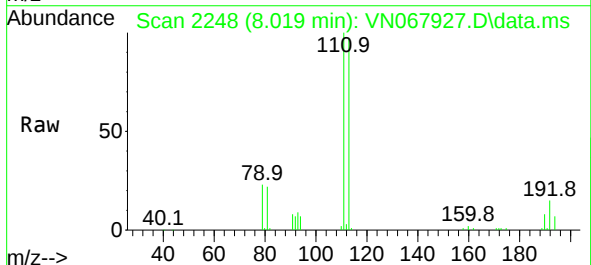
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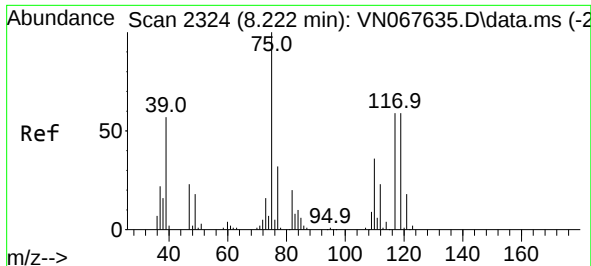
Tgt Ion:114	Resp: 574955
Ion Ratio	Lower Upper
114 100	
63 21.1	0.0 49.0
88 15.1	0.0 36.6



#35
Dibromofluoromethane
Concen: 49.551 ug/l
RT: 8.019 min Scan# 2248
Delta R.T. -0.002 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion:113	Resp: 172126
Ion Ratio	Lower Upper
113 100	
111 103.4	83.8 125.8
192 15.1	13.4 20.0

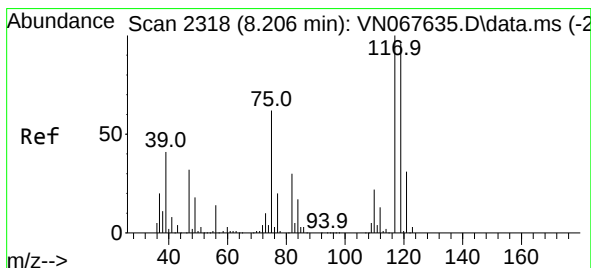
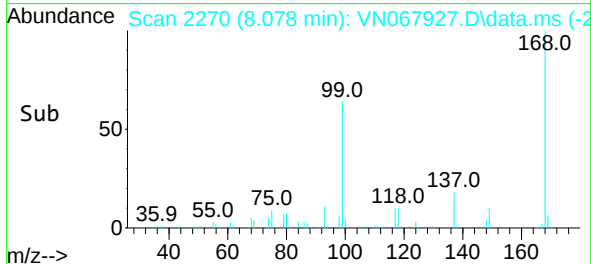
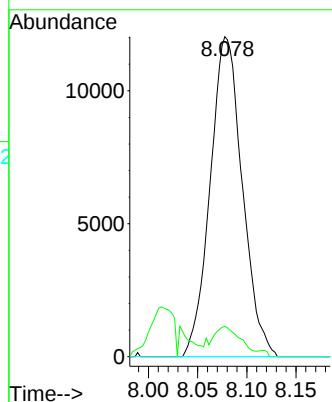
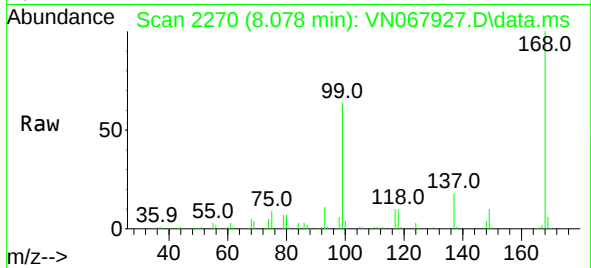




#36
1,1-Dichloropropene
Concen: 5.128 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.144 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

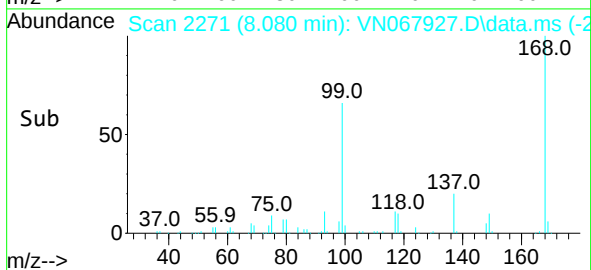
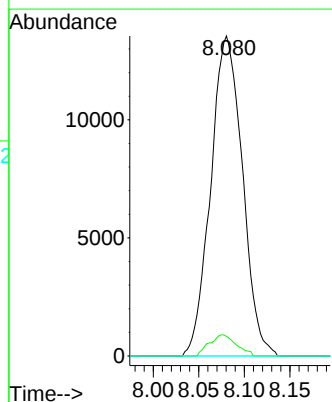
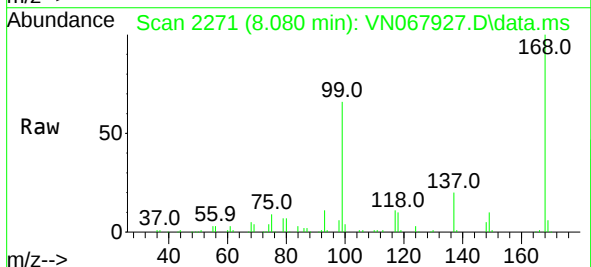
Instrument :
MSVOA_N
ClientSampled :

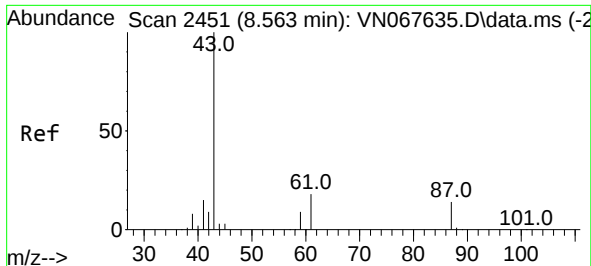
Tgt Ion: 75 Resp: 27386
Ion Ratio Lower Upper
75 100
110 6.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.225 ug/l
RT: 8.080 min Scan# 2271
Delta R.T. -0.126 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion: 117 Resp: 32794
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 23.5 35.3#

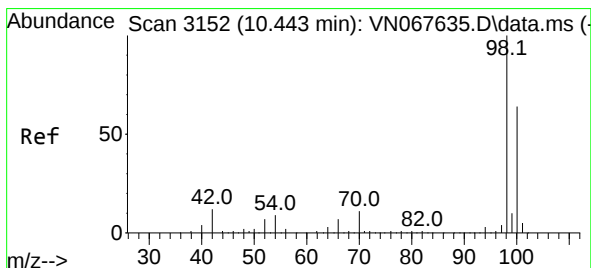
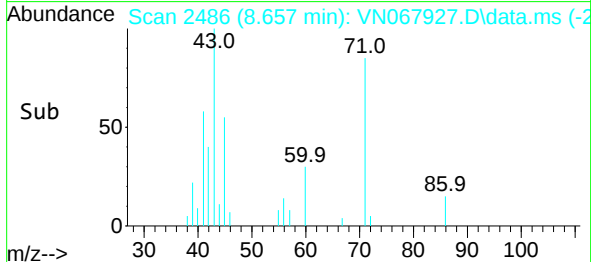
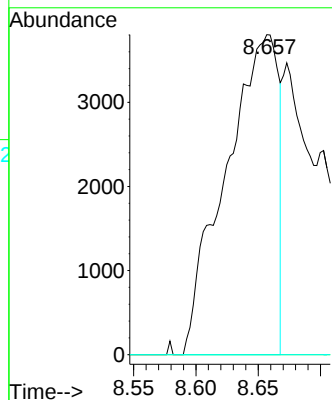
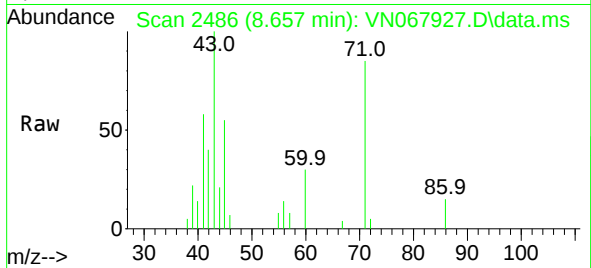




#43
Isopropyl Acetate
Concen: 1.226 ug/l
RT: 8.657 min Scan# 2486
Delta R.T. 0.094 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

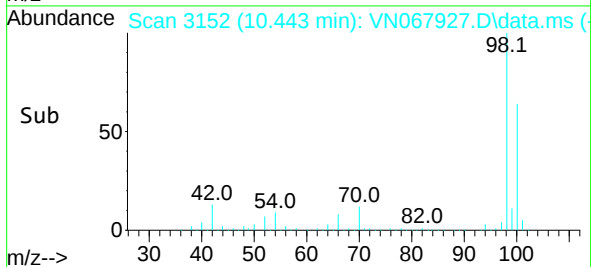
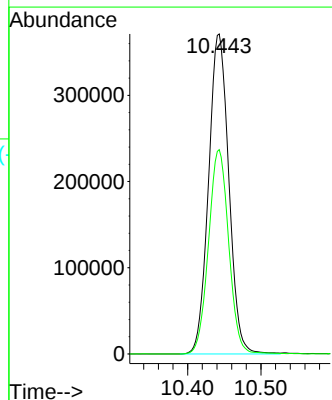
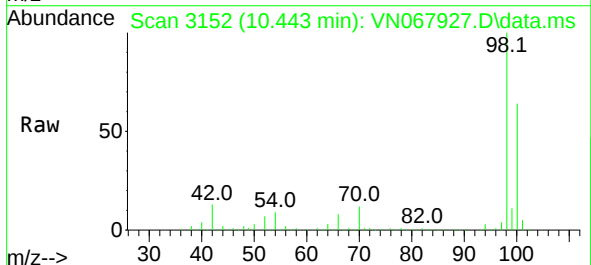
Instrument :
MSVOA_N
ClientSampleId :

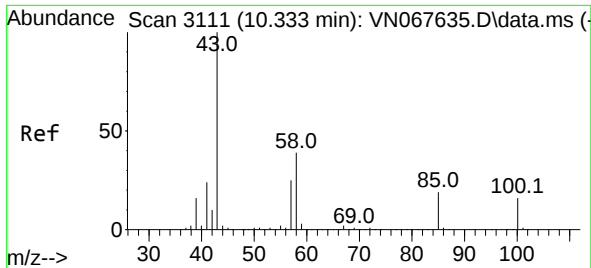
Tgt Ion: 43 Resp: 11164
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 49.001 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion: 98 Resp: 712478
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

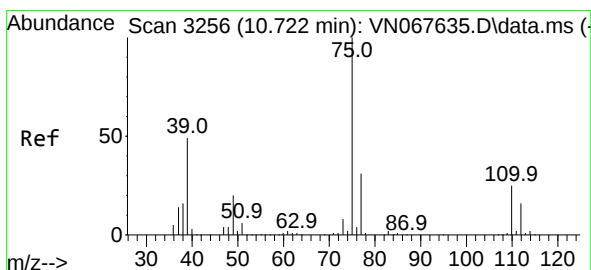
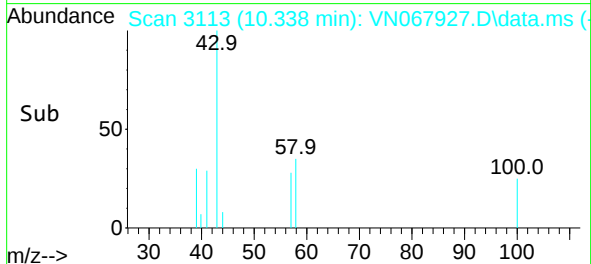
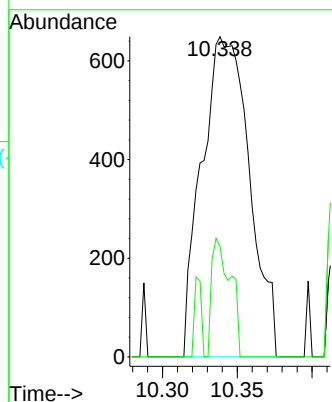
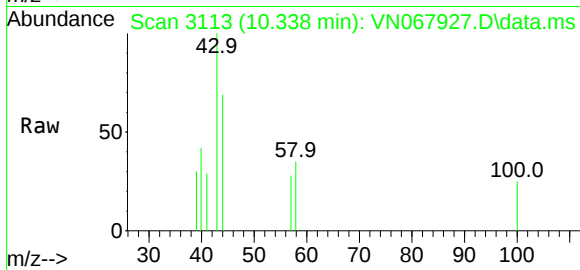




#51
4-Methyl-2-Pentanone
Concen: 0.258 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

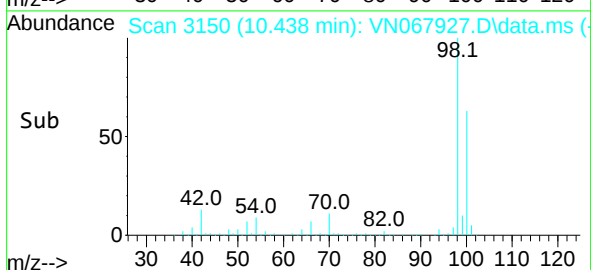
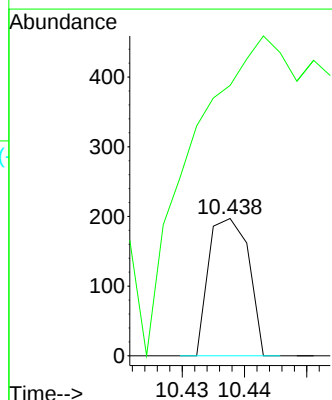
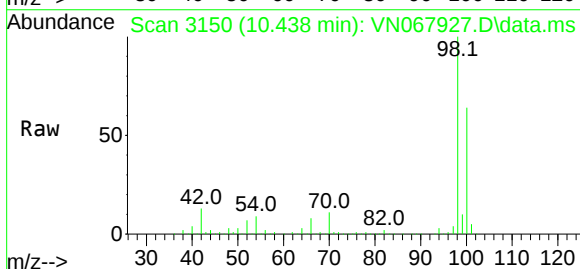
Instrument :
MSVOA_N
ClientSampled :

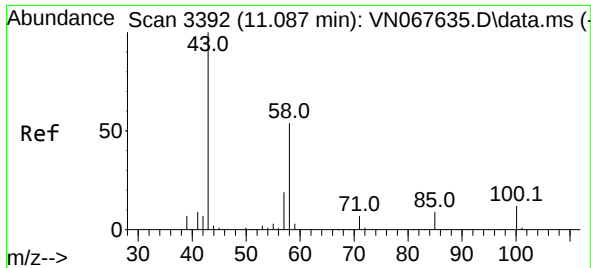
Tgt Ion: 43 Resp: 1441
Ion Ratio Lower Upper
43 100
58 14.6 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.757 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.284 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion: 75 Resp: 88
Ion Ratio Lower Upper
75 100
77 67.5 25.1 37.7#

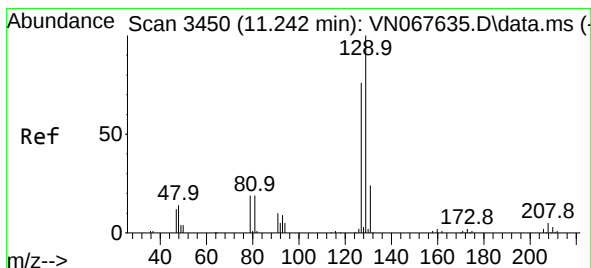
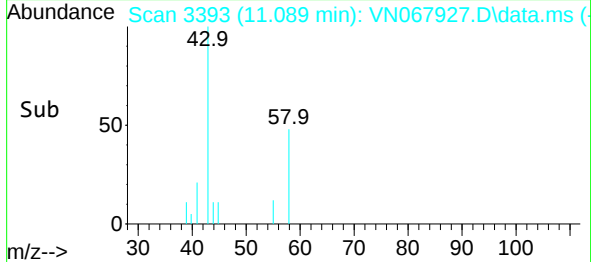
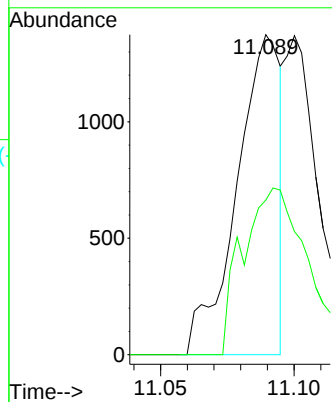
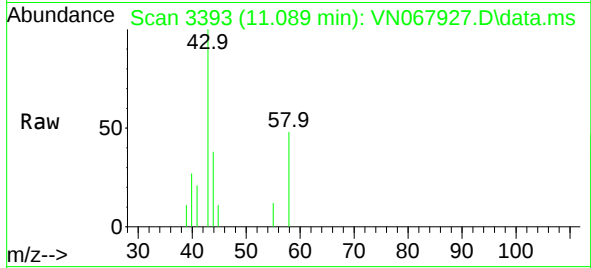




#59
2-Hexanone
Concen: 0.398 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.002 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

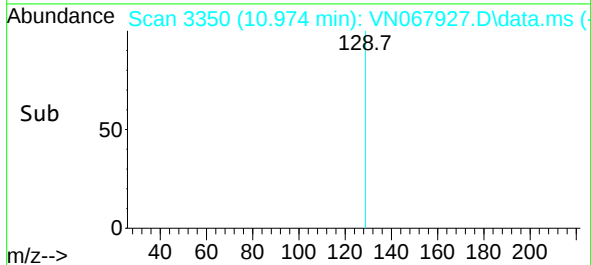
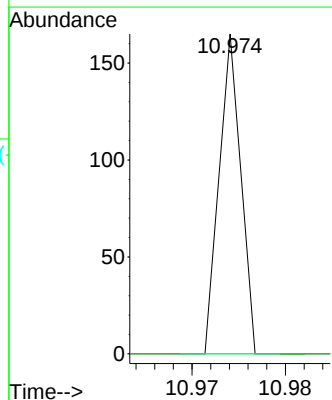
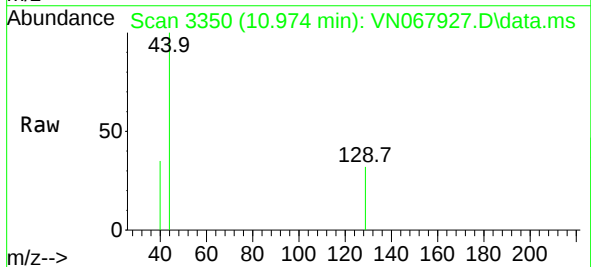
Instrument :
MSVOA_N
ClientSampled :

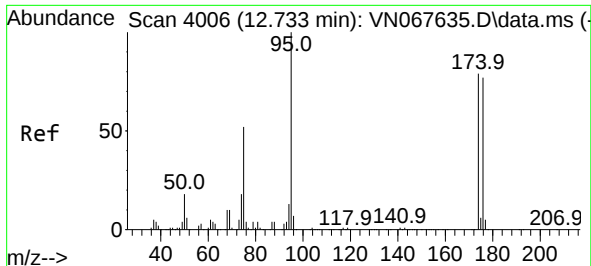
Tgt Ion: 43 Resp: 1553
Ion Ratio Lower Upper
43 100
58 78.4 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.362 ug/l
RT: 10.974 min Scan# 3350
Delta R.T. -0.268 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion: 129 Resp: 27
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

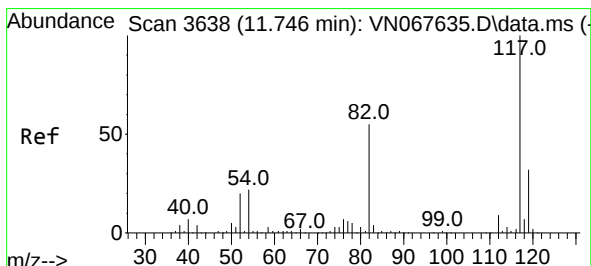
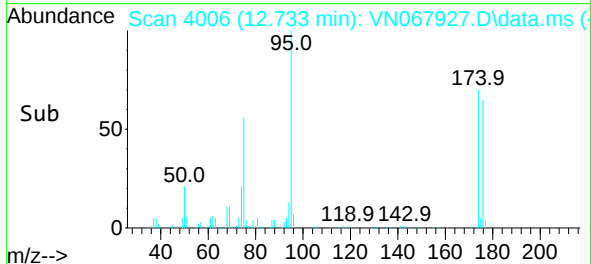
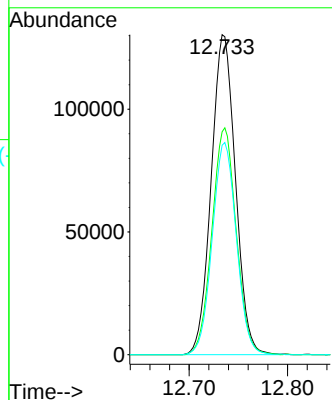
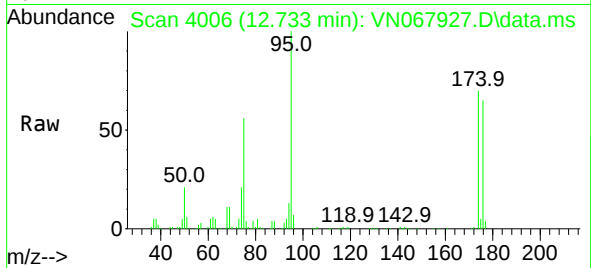




#62
4-Bromofluorobenzene
Concen: 43.534 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

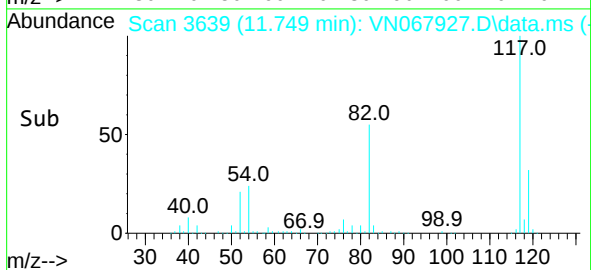
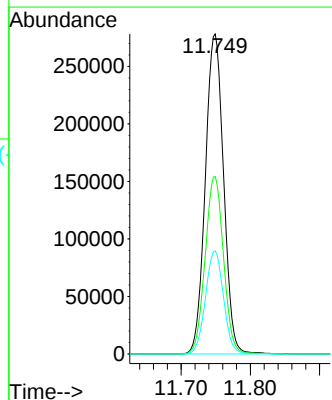
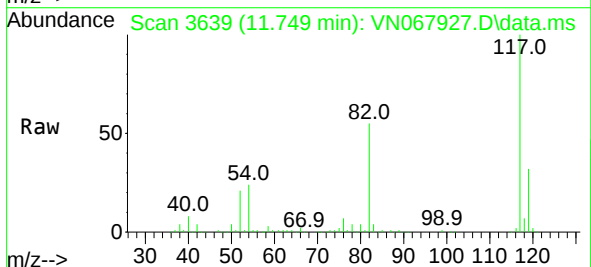
Instrument :
MSVOA_N
ClientSampleId :

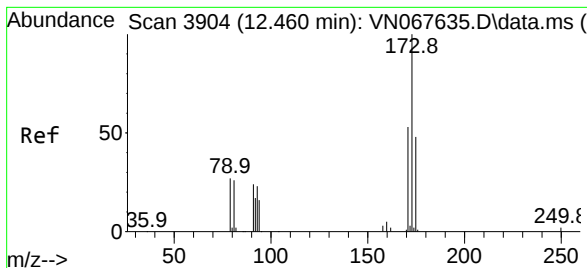
Tgt Ion: 95 Resp: 223609
Ion Ratio Lower Upper
95 100
174 71.2 0.0 122.0
176 66.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Tgt Ion: 117 Resp: 510033
Ion Ratio Lower Upper
117 100
82 55.4 53.1 79.7
119 32.2 25.5 38.3





#71

Bromoform

Concen: 3.388 ug/l

RT: 12.725 min Scan# 4003

Delta R.T. 0.265 min

Lab File: VN067927.D

Acq: 27 Jul 2021 14:44

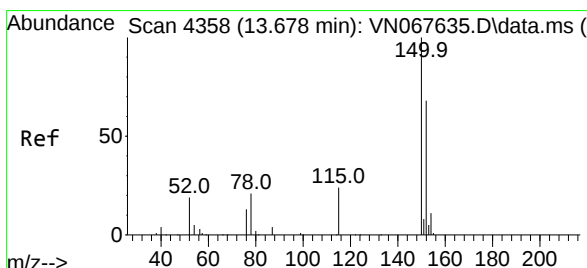
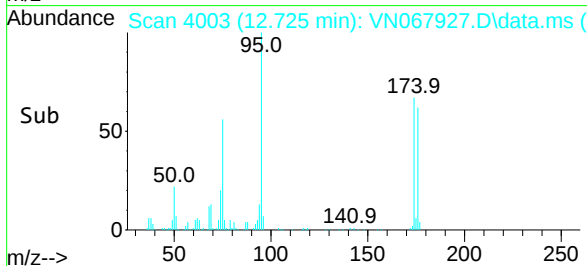
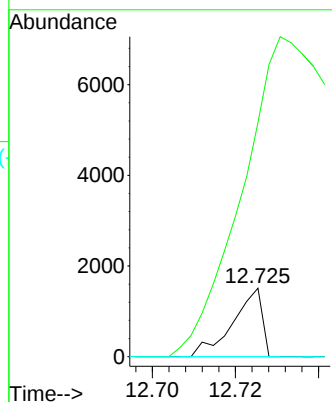
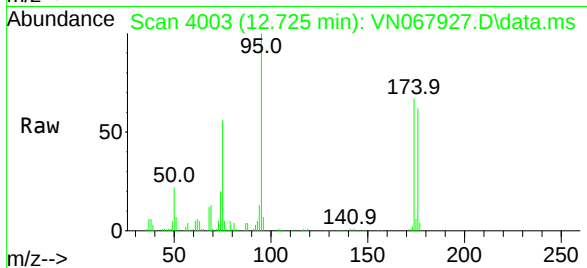
Tgt Ion:173 Resp: 740

Ion Ratio Lower Upper

173 100

175 1543.5 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: VN067927.D

Acq: 27 Jul 2021 14:44

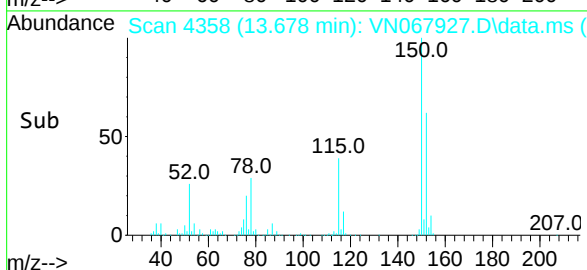
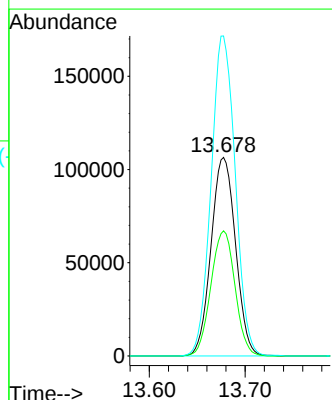
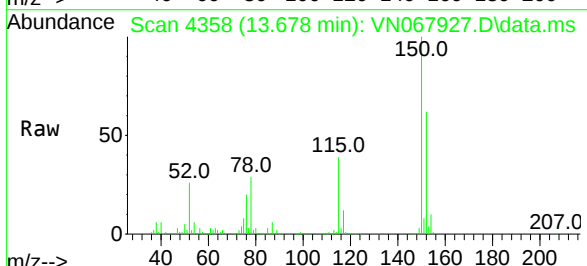
Tgt Ion:152 Resp: 189168

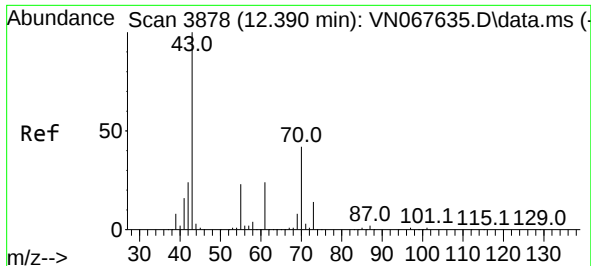
Ion Ratio Lower Upper

152 100

115 62.0 36.1 108.5

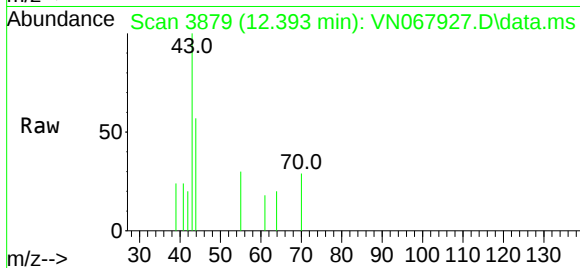
150 159.0 0.0 351.8



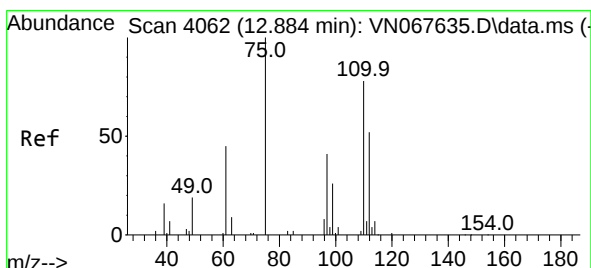
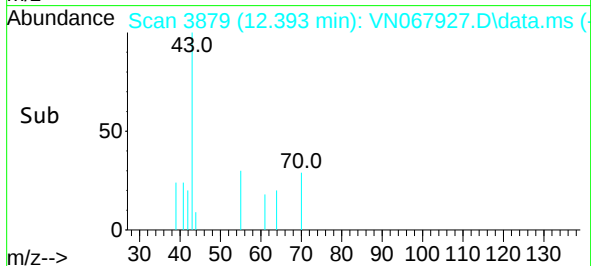
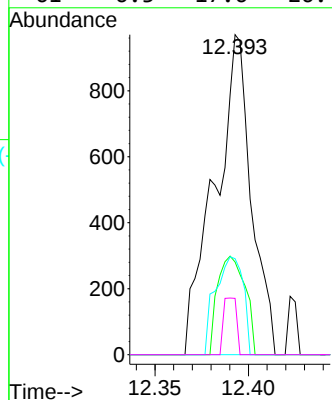


#74
N-amy1 acetate
Concen: 0.237 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

Instrument :
MSVOA_N
ClientSampled :

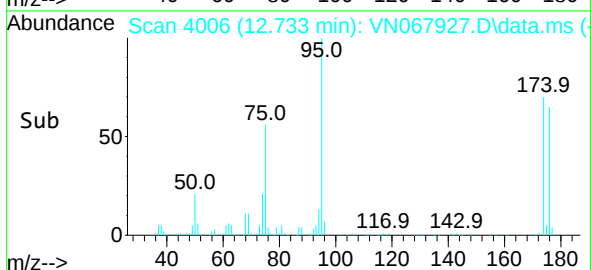
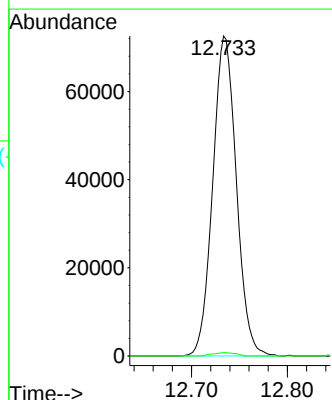
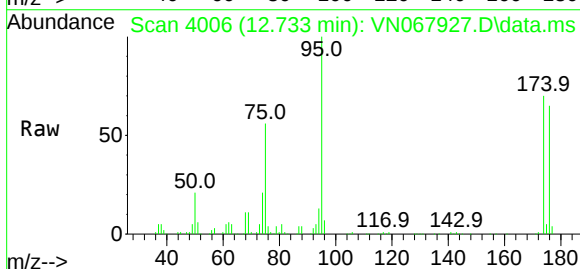


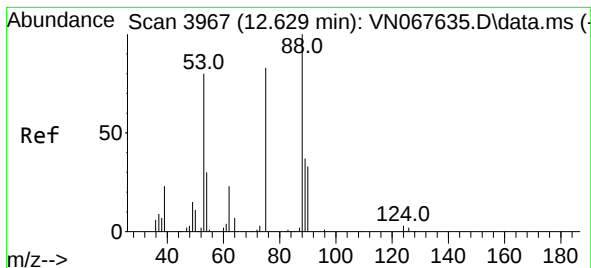
Tgt Ion:	43	Resp:	1315
Ion Ratio	100	Lower	Upper
70	23.2	29.4	44.2#
55	23.2	17.0	25.4
61	6.3	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 32.116 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

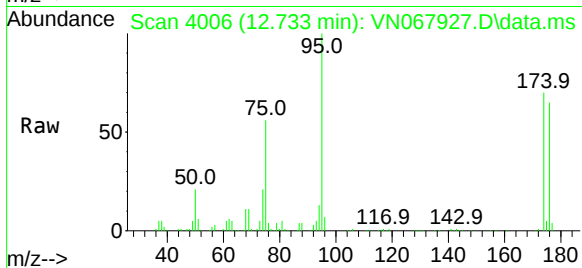
Tgt Ion:	75	Resp:	124068
Ion Ratio	100	Lower	Upper
77	1.0	0.0	0.0#



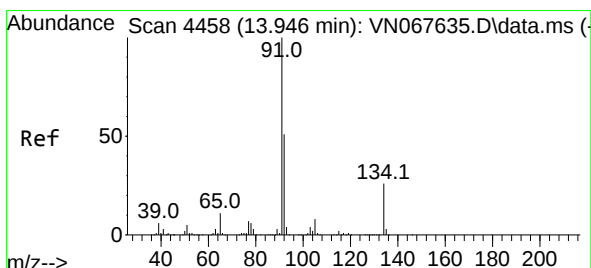
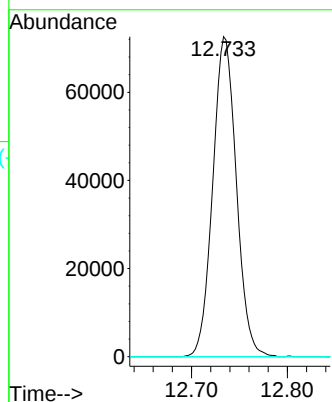
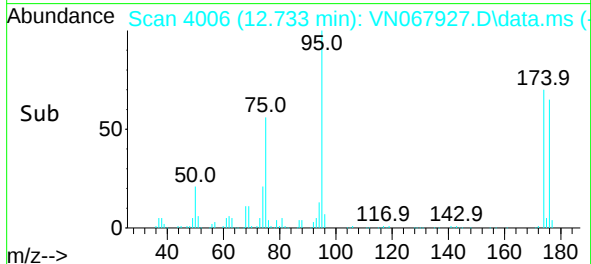


#81
trans-1,4-Dichloro-2-butene
Concen: 103.544 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

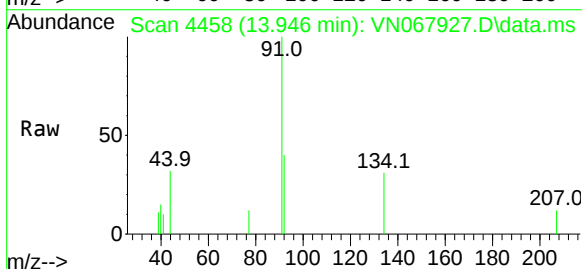
Instrument :
MSVOA_N
ClientSampled :



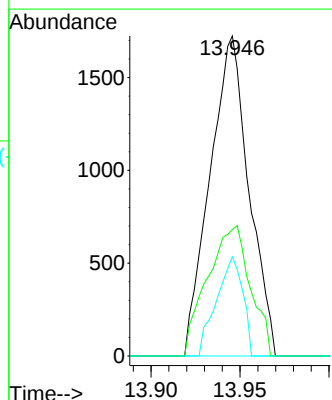
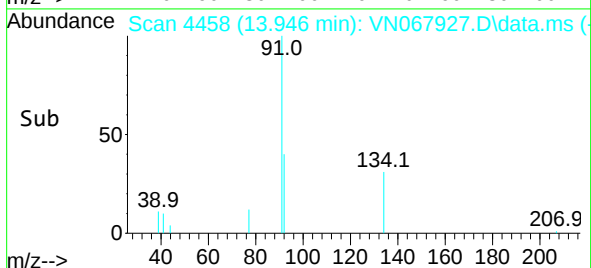
Tgt Ion: 75 Resp: 124068
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

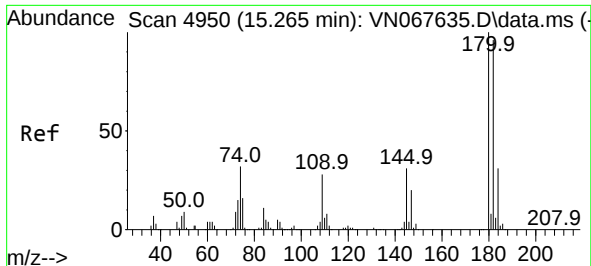


#89
n-Butylbenzene
Concen: 0.259 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. -0.000 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44



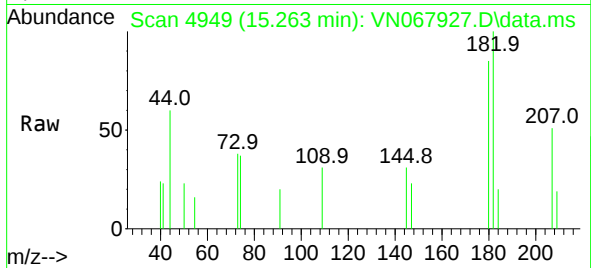
Tgt Ion: 91 Resp: 2620
Ion Ratio Lower Upper
91 100
92 44.9 25.7 77.1
134 20.8 11.2 33.6



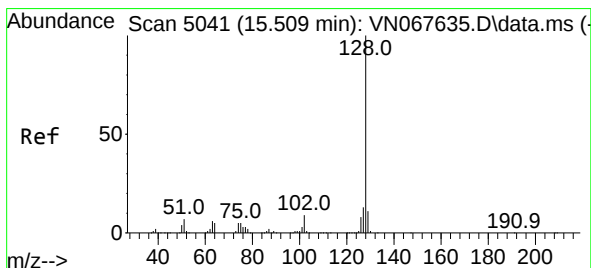
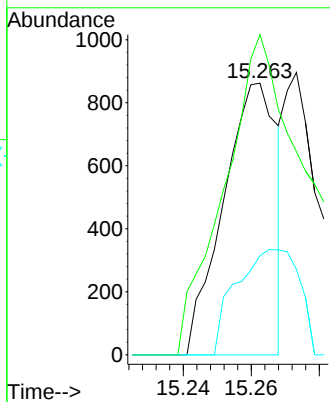
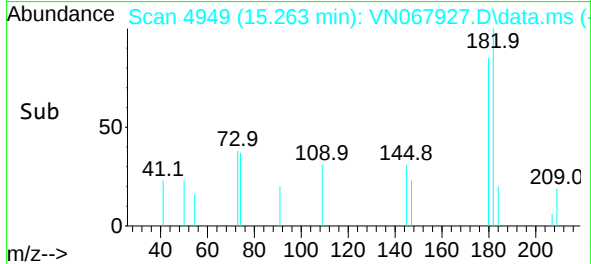


#93
1,2,4-Trichlorobenzene
Concen: 2.956 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44

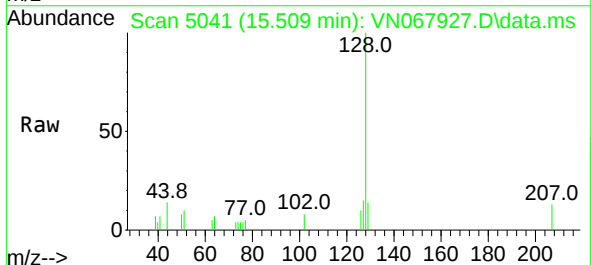
Instrument :
MSVOA_N
ClientSampled :



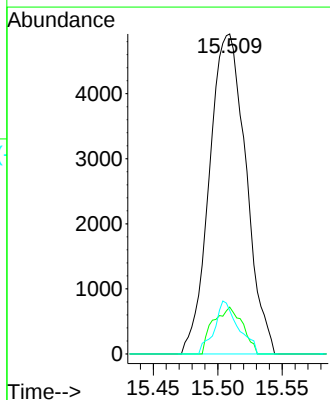
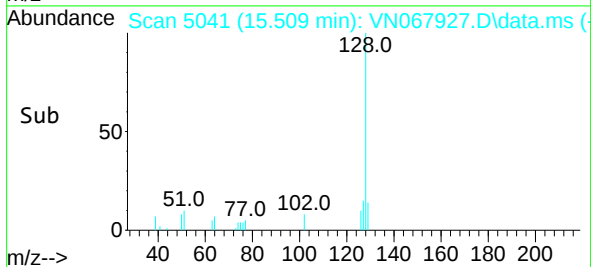
Tgt Ion:180 Resp: 938
Ion Ratio Lower Upper
180 100
182 184.5 47.5 142.5#
145 45.8 17.2 51.6

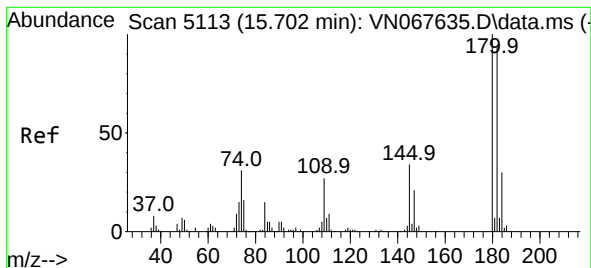


#95
Naphthalene
Concen: 3.994 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067927.D
Acq: 27 Jul 2021 14:44



Tgt Ion:128 Resp: 9677
Ion Ratio Lower Upper
128 100
127 11.8 10.6 15.8
129 10.9 8.6 12.8





#96

1,2,3-Trichlorobenzene

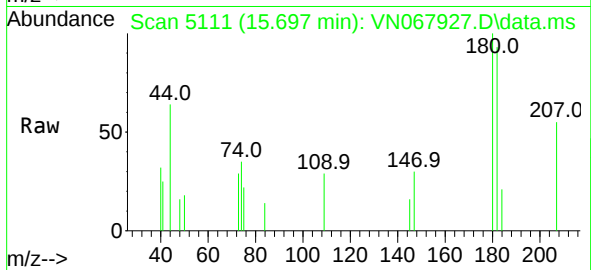
Concen: 3.244 ug/l

RT: 15.697 min Scan# 5111

Delta R.T. -0.005 min

Lab File: VN067927.D

Acq: 27 Jul 2021 14:44



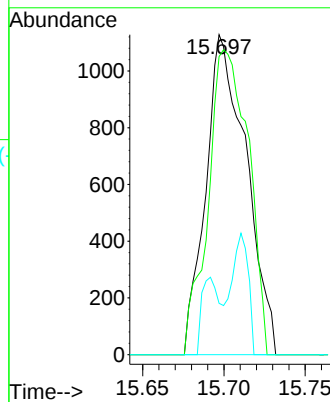
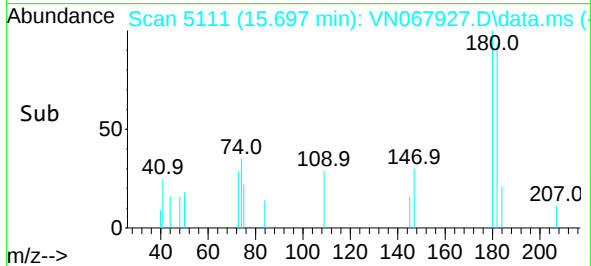
Tgt Ion:180 Resp: 1949

Ion Ratio Lower Upper

180 100

182 95.2 47.8 143.3

145 11.1 18.2 54.6#



Instrument :
MSVOA_N
ClientSampleId :