

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072621\
 Data File : VN067897.D
 Acq On : 26 Jul 2021 10:53
 Operator : JC/MD
 Sample : VN0726WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 26 11:11:38 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)

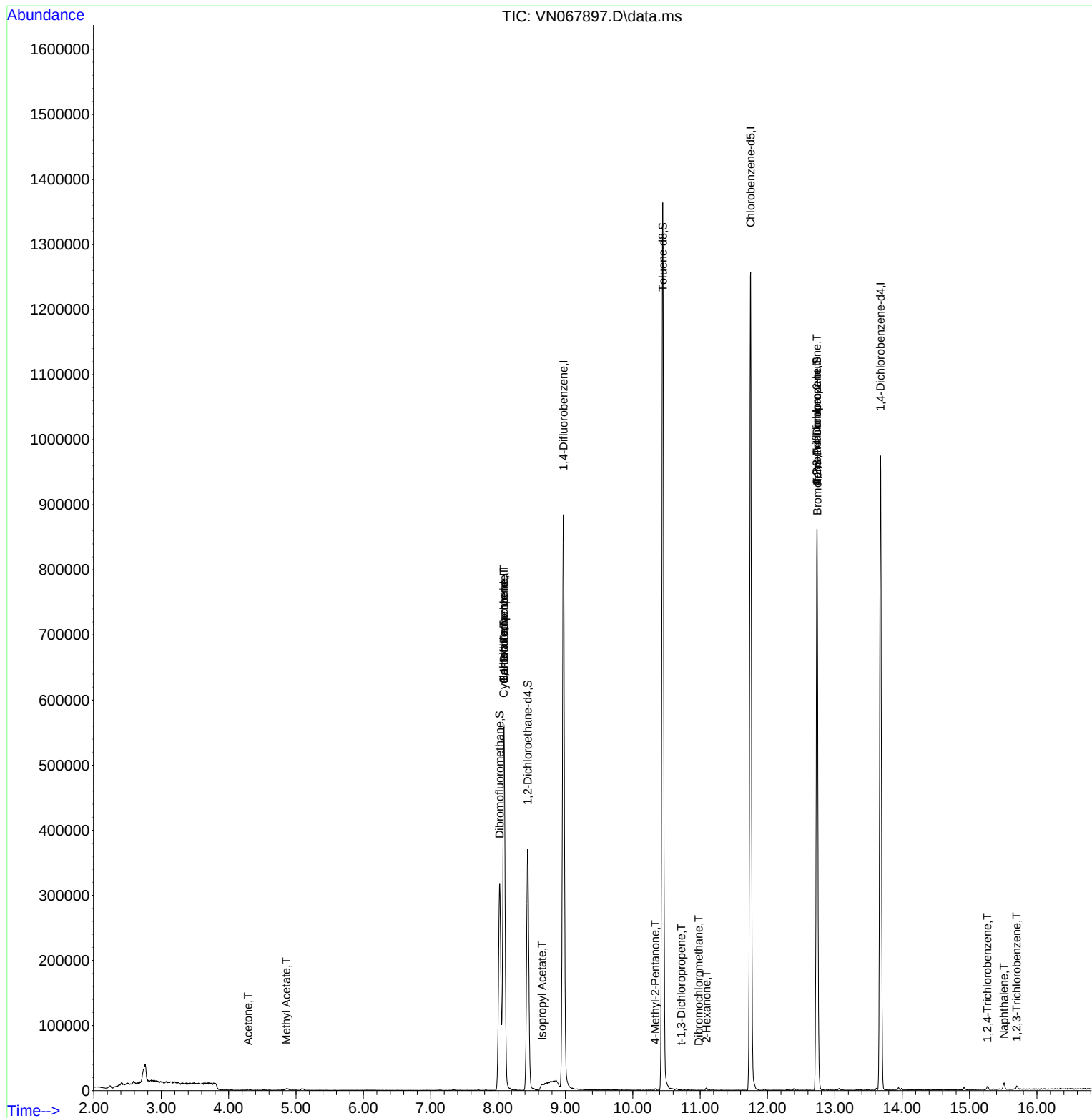
Internal Standards						
1) Pentafluorobenzene	8.088	168	399884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	775164	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	726906	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	255833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	317191	52.485	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.960%
35) Dibromofluoromethane	8.024	113	231066	49.338	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.680%
50) Toluene-d8	10.446	98	952891	48.609	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.220%
62) 4-Bromofluorobenzene	12.733	95	299057	43.185	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.380%
Target Compounds						
					Qvalue	
5) Bromomethane	2.821	94	114	Below Cal	#	4
6) Chloroethane	3.025	64	24	Below Cal	#	44
7) Trichlorofluoromethane	3.368	101	50	Below Cal	#	18
13) Acrolein	4.036	56	190	Below Cal	#	13
16) Acetone	4.291	43	1114	0.586	ug/l	93
18) Methyl Acetate	4.857	43	2544	0.476	ug/l	# 87
20) Methylene Chloride	5.090	84	1158	Below Cal	#	85
31) Cyclohexane	8.083	56	10467	1.235	ug/l	# 27
36) 1,1-Dichloropropene	8.088	75	37230	5.170	ug/l	# 49
38) Carbon Tetrachloride	8.086	117	44772	6.304	ug/l	# 17
43) Isopropyl Acetate	8.654	43	7424	0.605	ug/l	# 58
51) 4-Methyl-2-Pentanone	10.336	43	2121	0.281	ug/l	# 39
53) t-1,3-Dichloropropene	10.719	75	89	1.754	ug/l	# 1
59) 2-Hexanone	11.095	43	3216	0.611	ug/l	# 61
60) Dibromochloromethane	10.979	129	30	2.361	ug/l	# 11
71) Bromoform	12.739	173	350	3.246	ug/l	# 1
76) 1,2,3-Trichloropropane	12.733	75	169328	32.410	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	169328	104.493	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.265	180	1431	2.992	ug/l	91
95) Naphthalene	15.509	128	8280	3.633	ug/l	96
96) 1,2,3-Trichlorobenzene	15.700	180	1610	3.006	ug/l	91

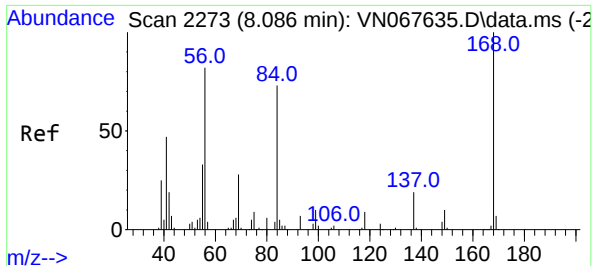
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

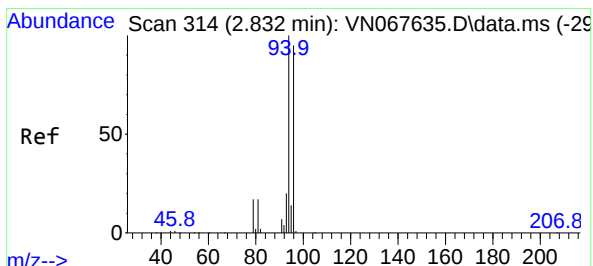
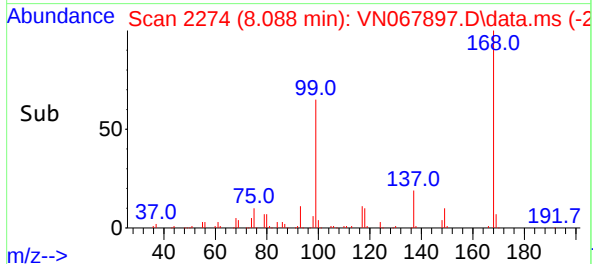
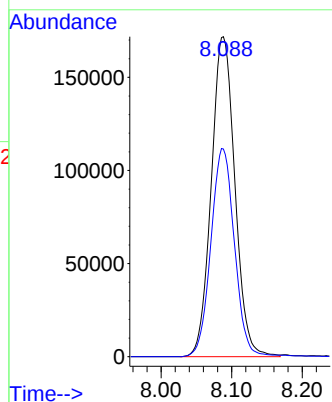
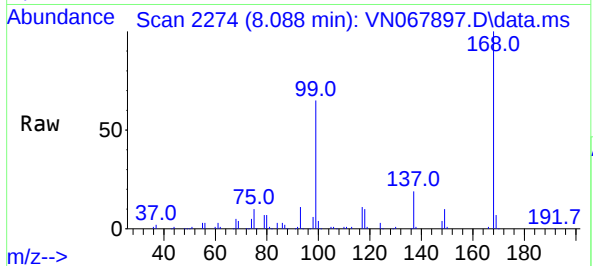




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

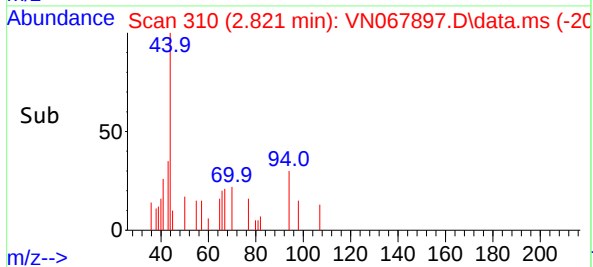
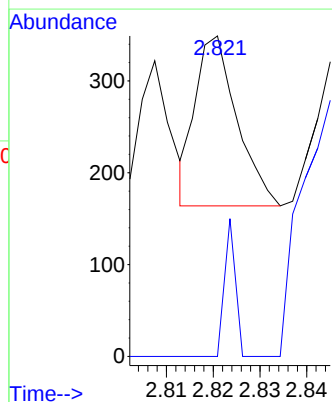
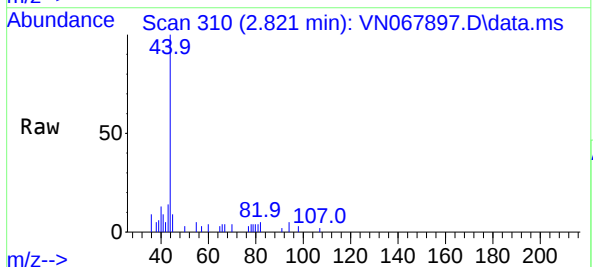
Instrument :
MSVOA_N
ClientSampleId :

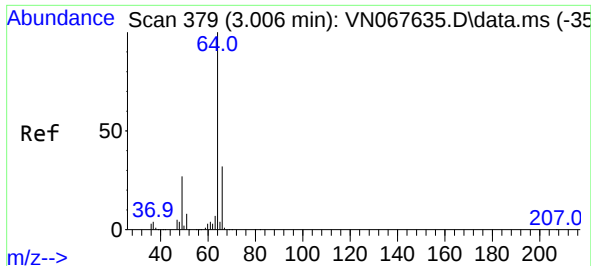
Tgt Ion:168 Resp: 399884
Ion Ratio Lower Upper
168 100
99 64.9 62.9 94.3



#5
Bromomethane
Concen: Below Cal
RT: 2.821 min Scan# 310
Delta R.T. -0.011 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 94 Resp: 114
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

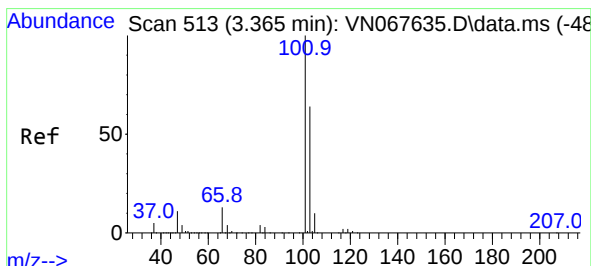
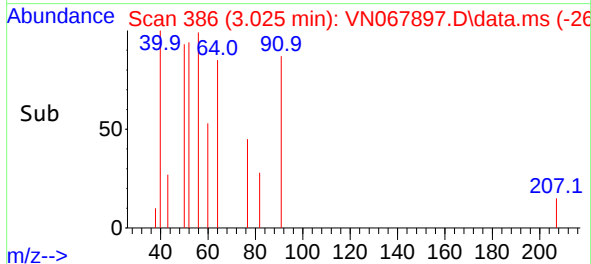
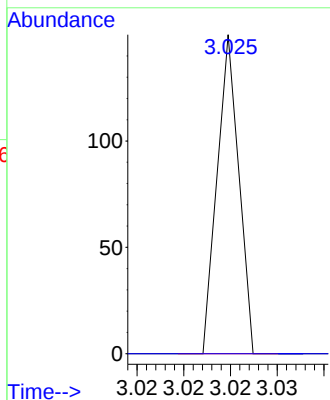
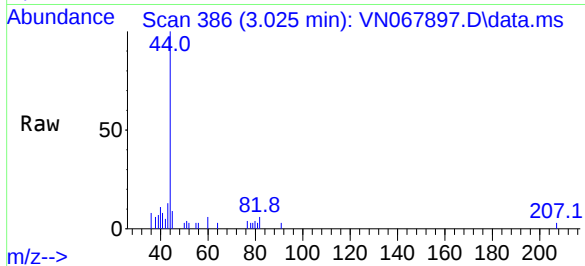




#6
Chloroethane
Concen: Below Cal
RT: 3.025 min Scan# 386
Delta R.T. 0.019 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

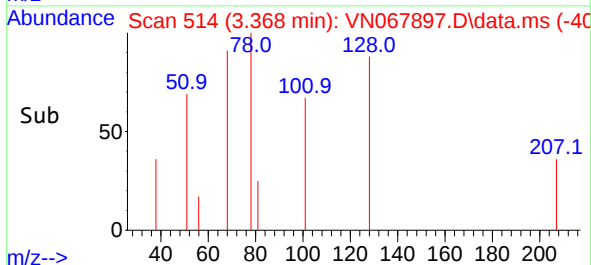
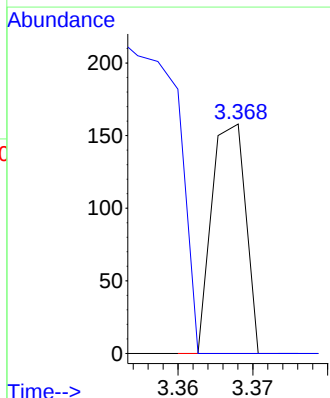
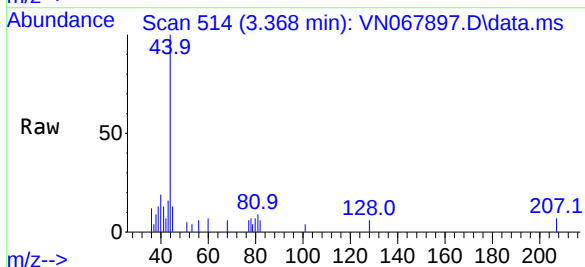
Instrument :
MSVOA_N
ClientSampled :

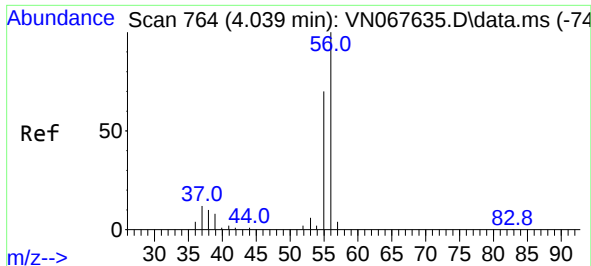
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.368 min Scan# 514
Delta R.T. 0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 101 Resp: 50
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#

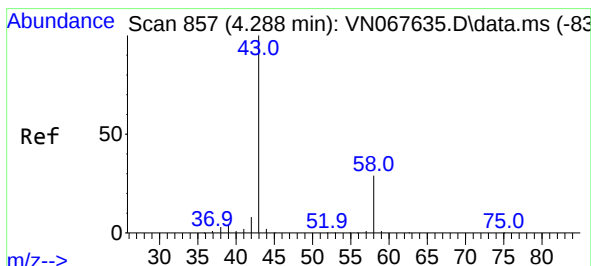
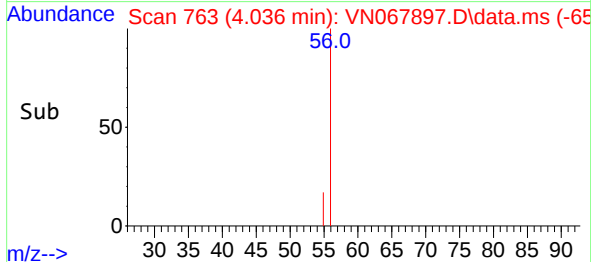
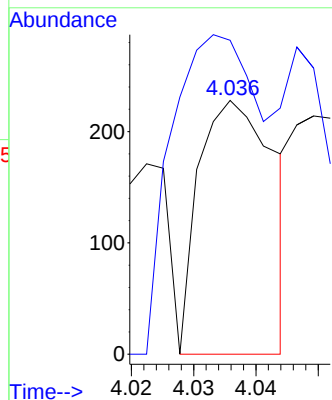
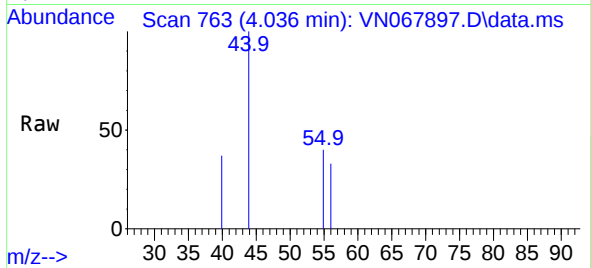




#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

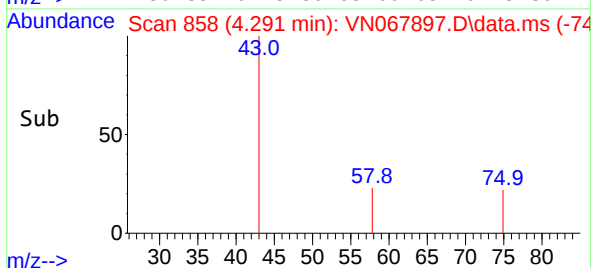
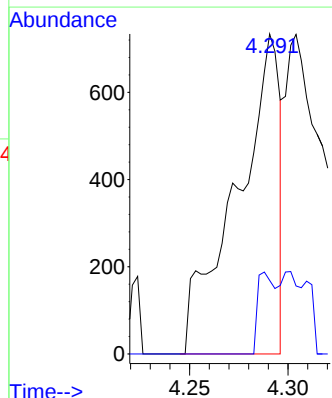
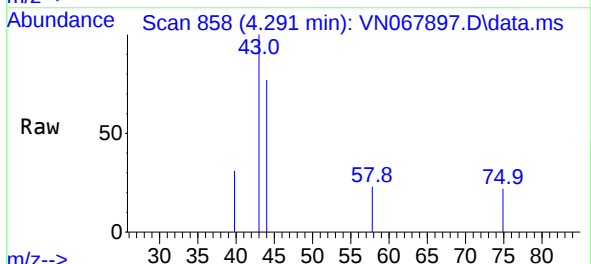
Instrument :
MSVOA_N
ClientSampled :

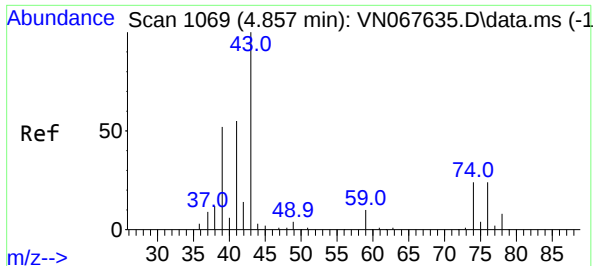
Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 144.2 57.4 86.0#



#16
Acetone
Concen: 0.586 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
58 23.0 21.2 31.8

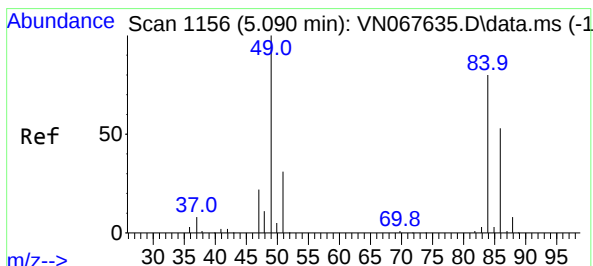
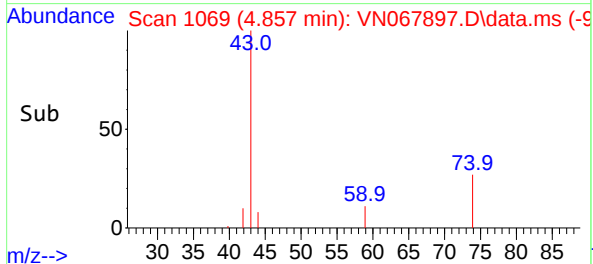
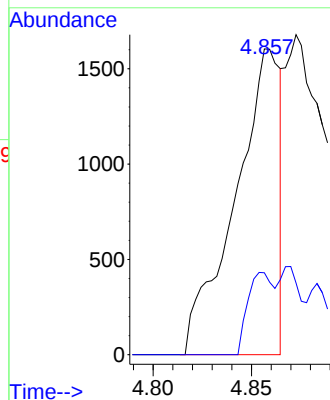
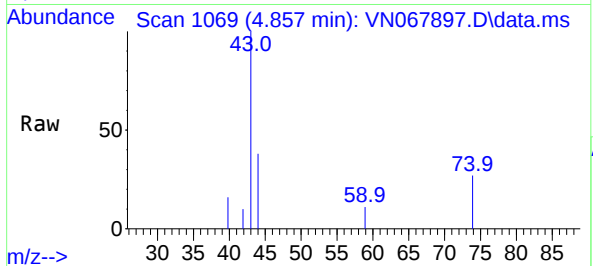




#18
Methyl Acetate
Concen: 0.476 ug/l
RT: 4.857 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

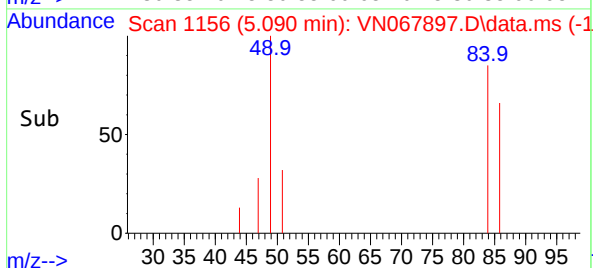
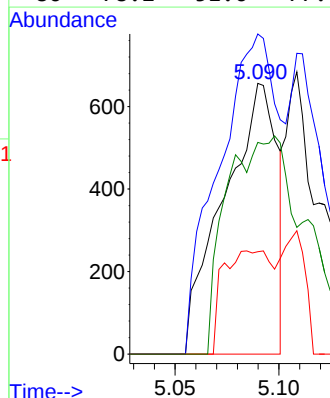
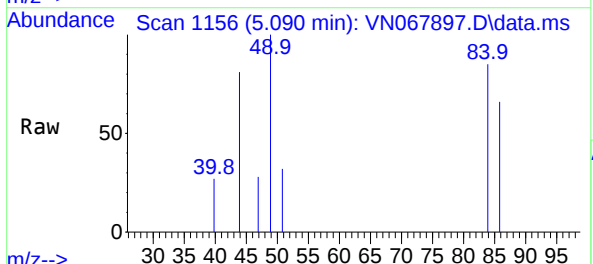
Instrument :
MSVOA_N
ClientSampled :

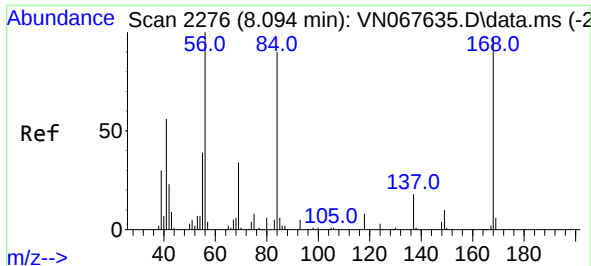
Tgt Ion: 43 Resp: 2544
Ion Ratio Lower Upper
43 100
74 15.6 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.090 min Scan# 1156
Delta R.T. -0.000 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 84 Resp: 1158
Ion Ratio Lower Upper
84 100
49 118.3 110.9 166.3
51 37.8 32.6 49.0
86 78.2 51.6 77.4#

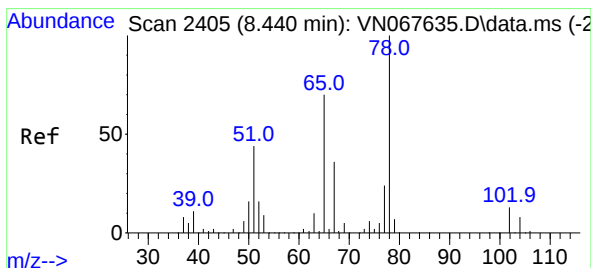
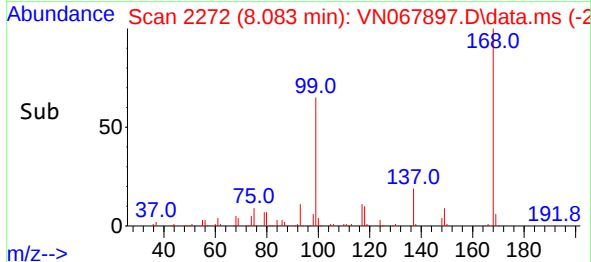
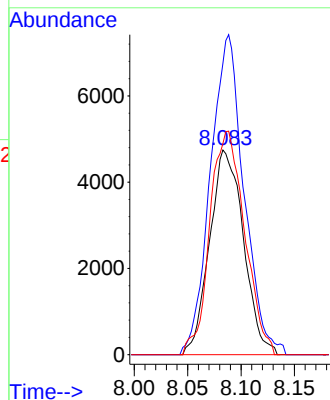
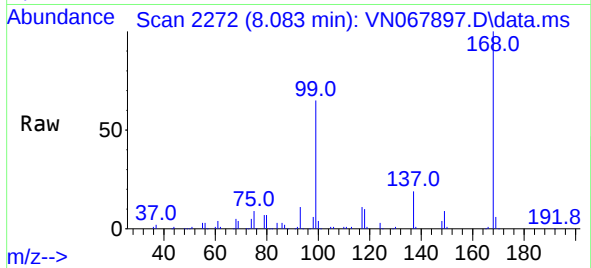




#31
Cyclohexane
Concen: 1.235 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

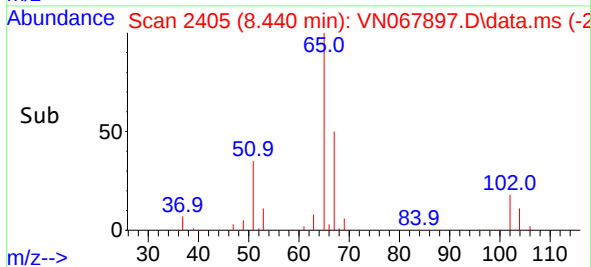
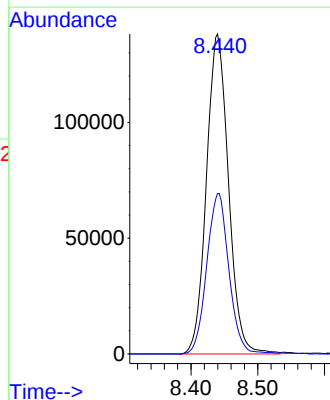
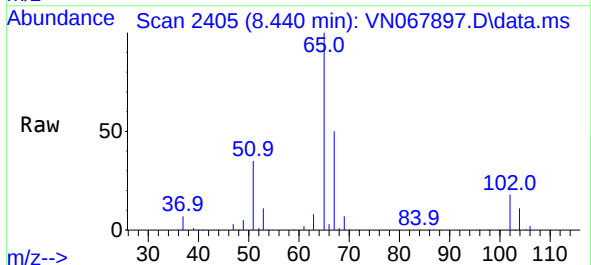
Instrument :
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ClientSampleId :

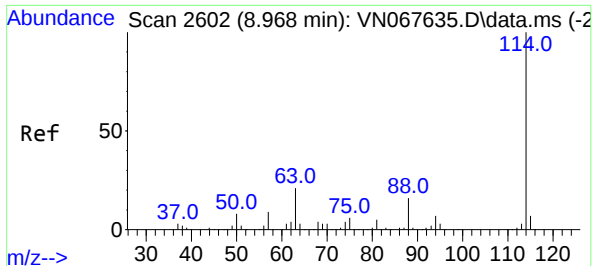
Tgt Ion: 56 Resp: 10467
Ion Ratio Lower Upper
56 100
69 142.4 27.3 40.9#
84 103.2 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.485 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 65 Resp: 317191
Ion Ratio Lower Upper
65 100
67 50.2 0.0 98.6

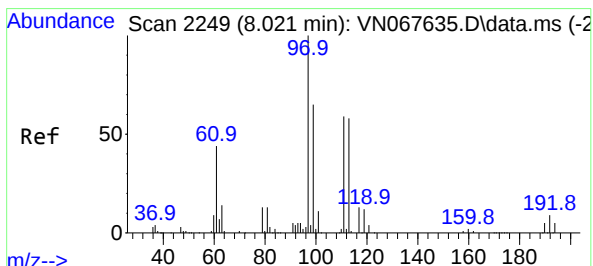
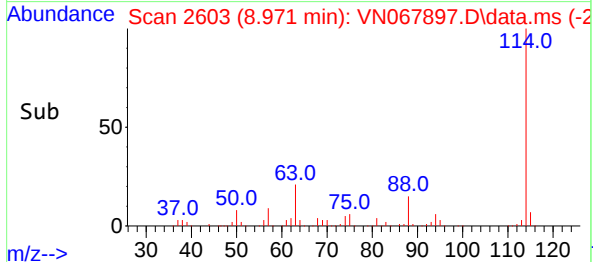
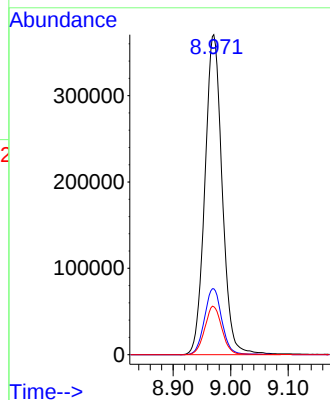
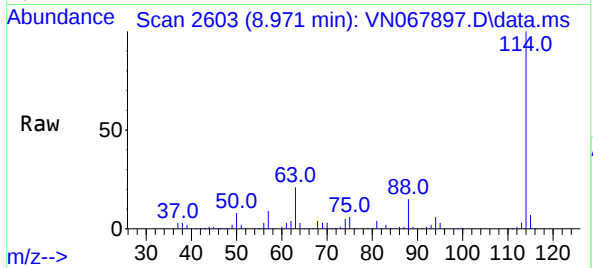




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

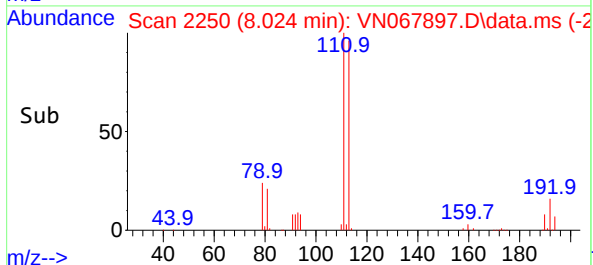
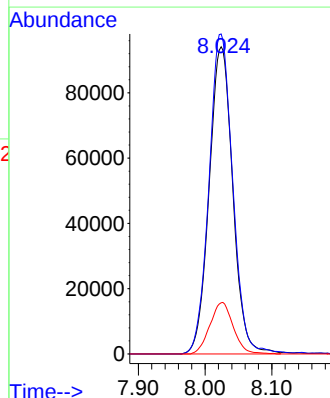
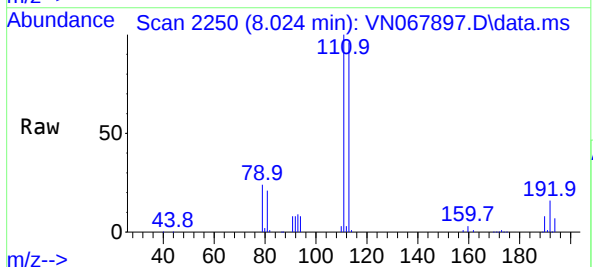
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MSVOA_N
ClientSampled :

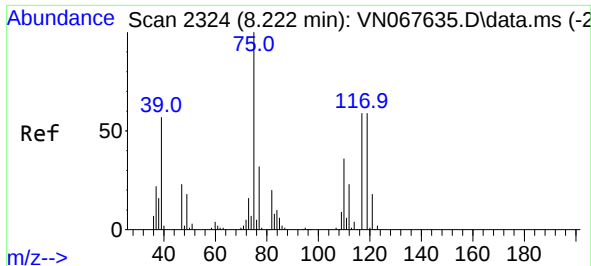
Tgt Ion:114 Resp: 775164
Ion Ratio Lower Upper
114 100
63 20.6 0.0 49.0
88 15.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.338 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion:113 Resp: 231066
Ion Ratio Lower Upper
113 100
111 104.8 83.8 125.8
192 16.7 13.4 20.0

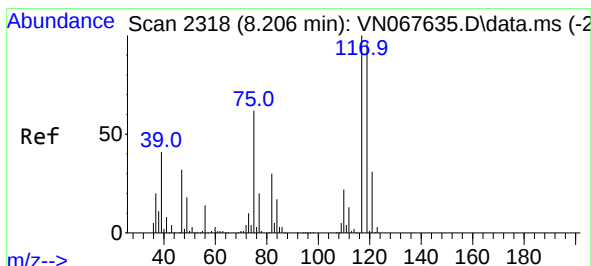
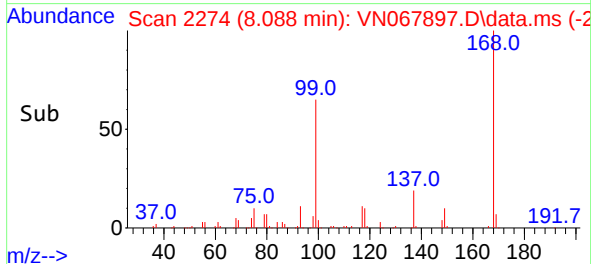
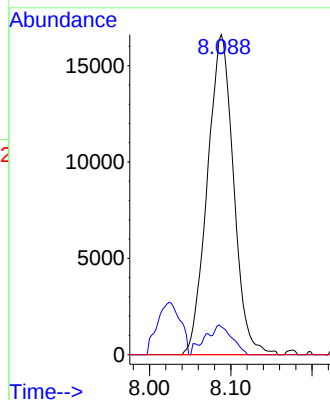
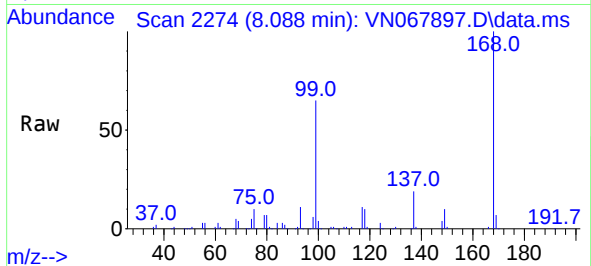




#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.134 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

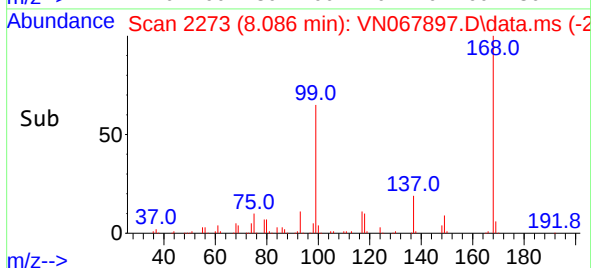
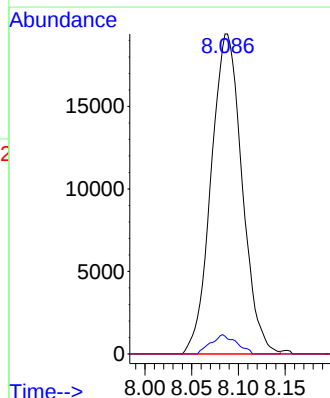
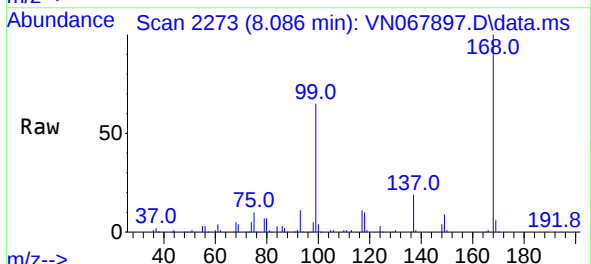
Instrument :
MSVOA_N
ClientSampleId :

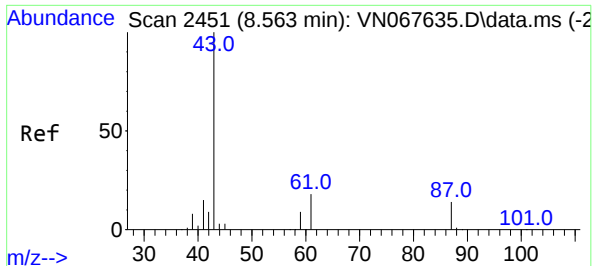
Tgt Ion: 75 Resp: 37230
Ion Ratio Lower Upper
75 100
110 6.4 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.304 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 117 Resp: 44772
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 23.5 35.3#

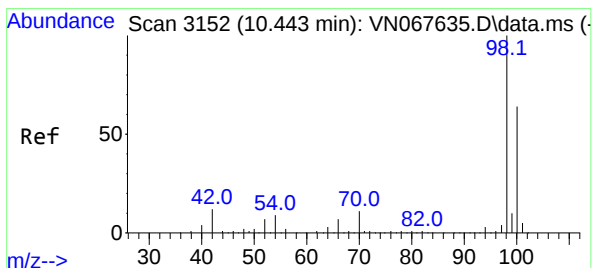
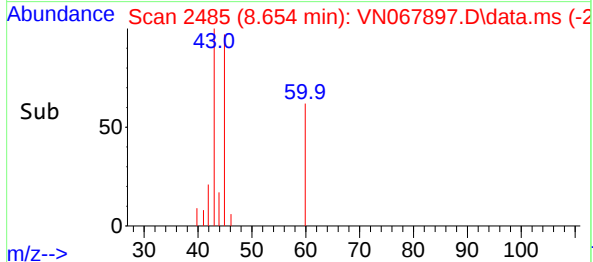
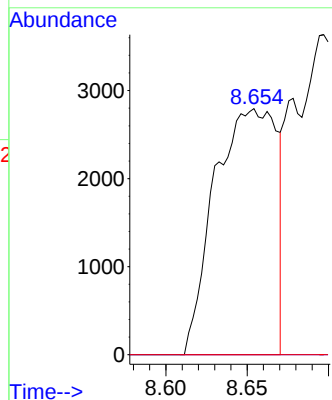
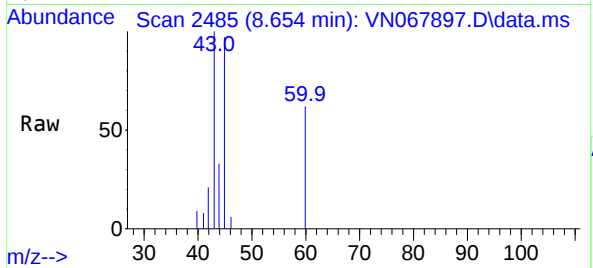




#43
Isopropyl Acetate
Concen: 0.605 ug/l
RT: 8.654 min Scan# 2485
Delta R.T. 0.091 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

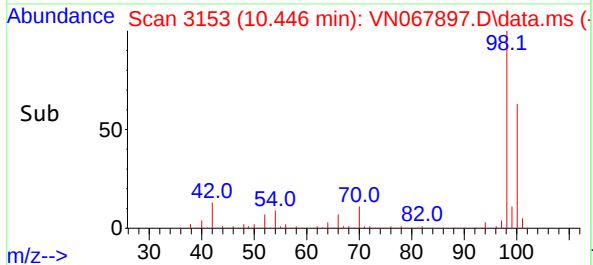
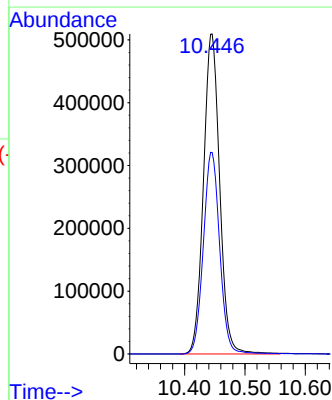
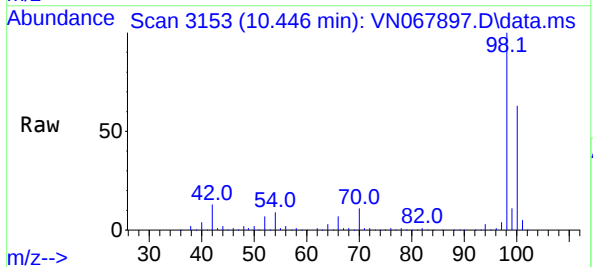
Instrument :
MSVOA_N
ClientSampled :

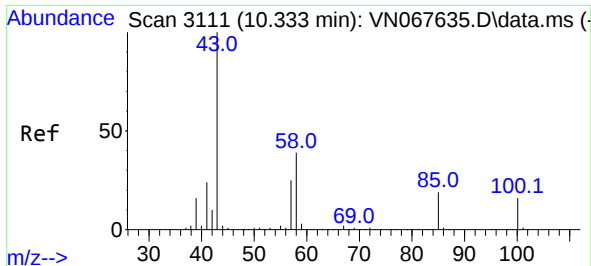
Tgt Ion: 43 Resp: 7424
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 48.609 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 98 Resp: 952891
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

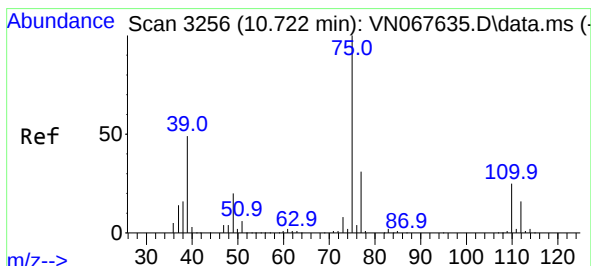
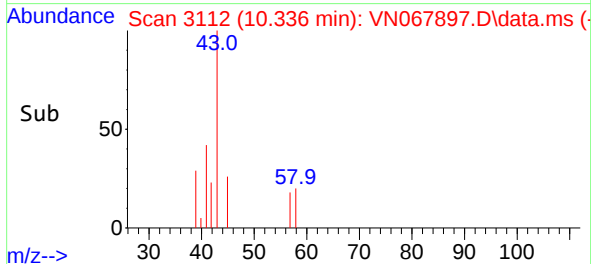
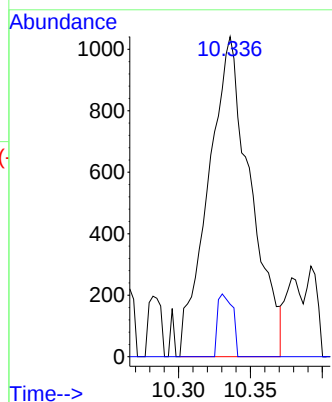
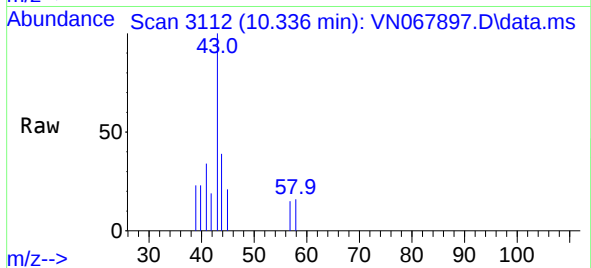




#51
4-Methyl-2-Pentanone
Concen: 0.281 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

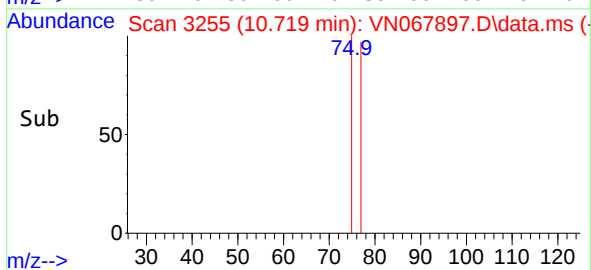
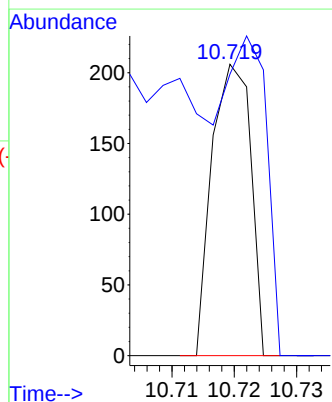
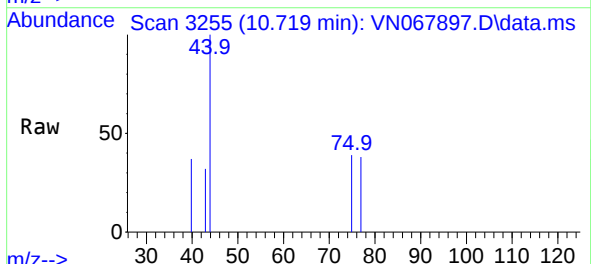
Instrument :
MSVOA_N
ClientSampled :

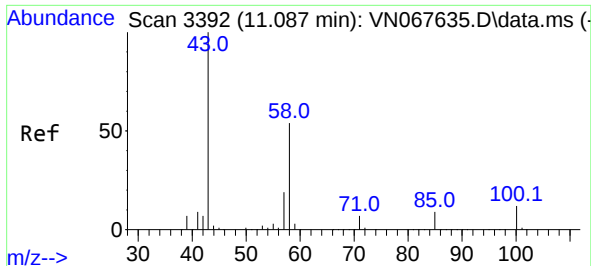
Tgt Ion: 43 Resp: 2121
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 1.754 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. -0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
77 96.6 25.1 37.7#

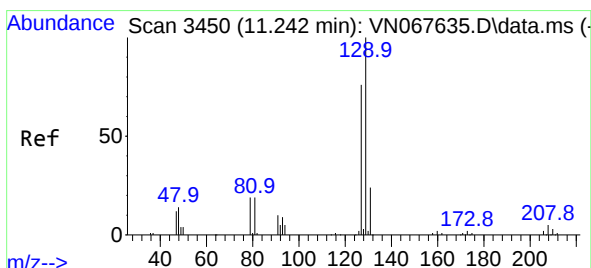
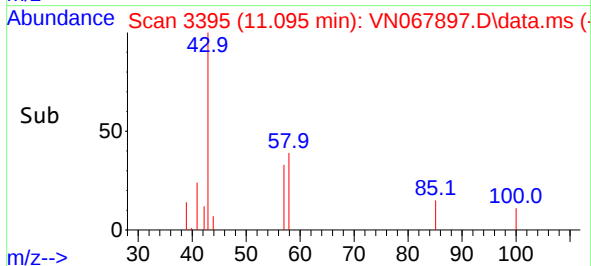
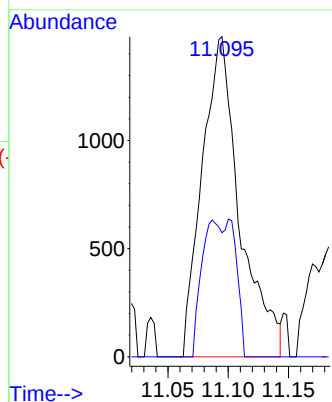
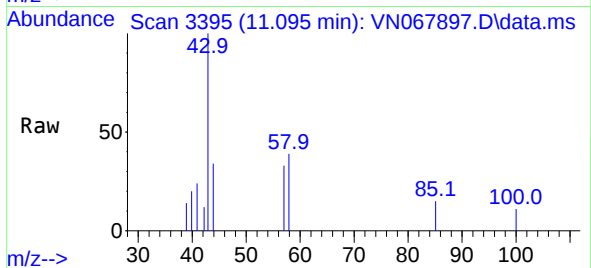




#59
2-Hexanone
Concen: 0.611 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

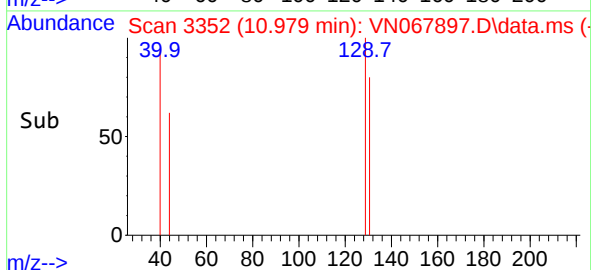
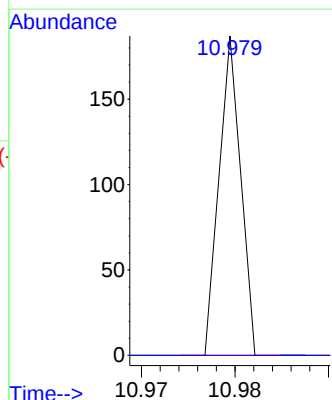
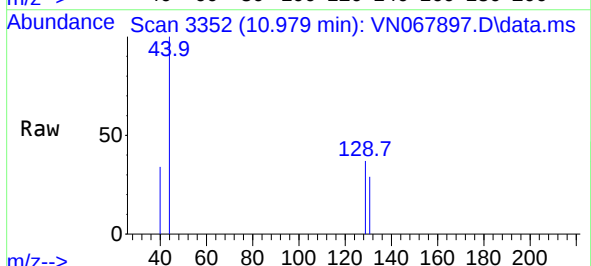
Instrument :
MSVOA_N
ClientSampled :

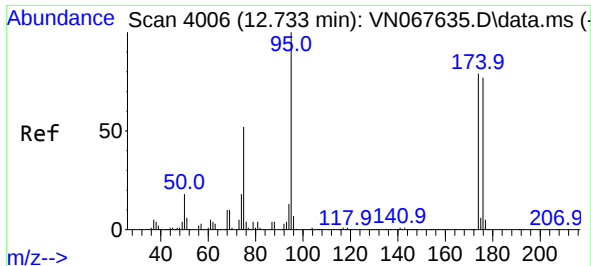
Tgt Ion: 43 Resp: 3216
Ion Ratio Lower Upper
43 100
58 23.0 24.7 74.1#



#60
Dibromochloromethane
Concen: 2.361 ug/l
RT: 10.979 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 129 Resp: 30
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

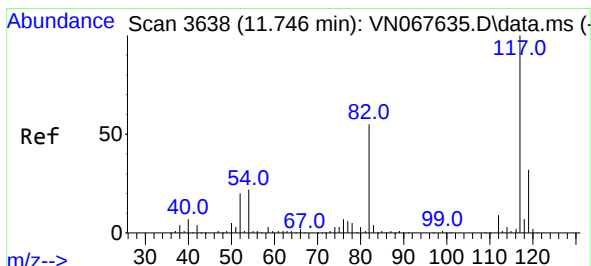
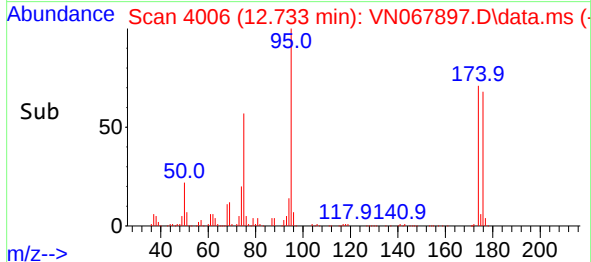
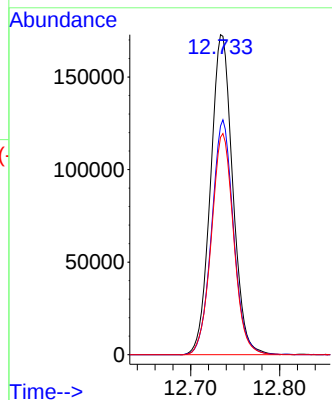
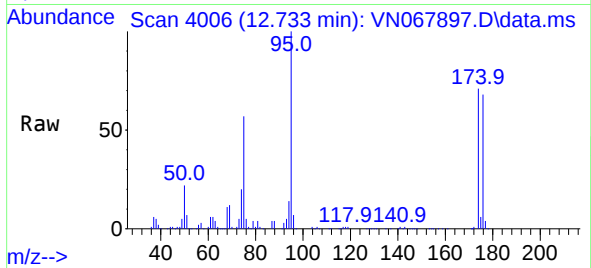




#62
4-Bromofluorobenzene
Concen: 43.185 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

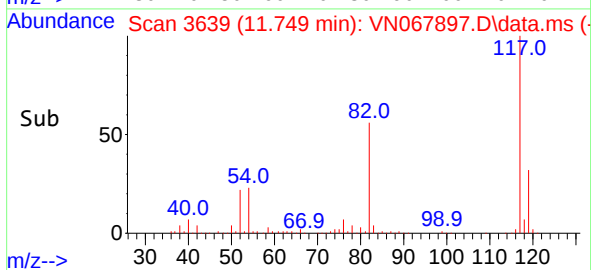
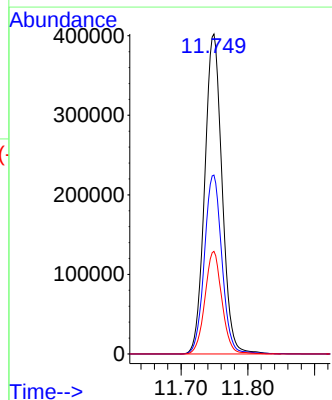
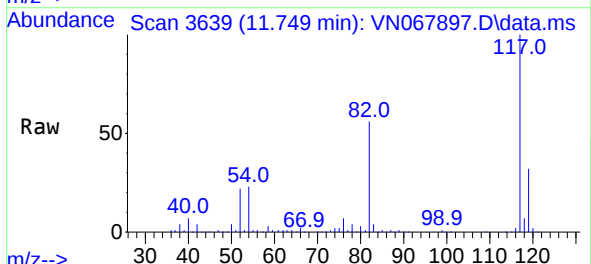
Instrument :
MSVOA_N
ClientSampleId :

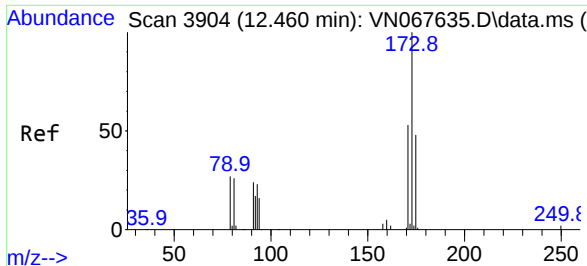
Tgt Ion: 95 Resp: 299057
Ion Ratio Lower Upper
95 100
174 72.5 0.0 122.0
176 69.2 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 117 Resp: 726906
Ion Ratio Lower Upper
117 100
82 55.9 53.1 79.7
119 32.1 25.5 38.3

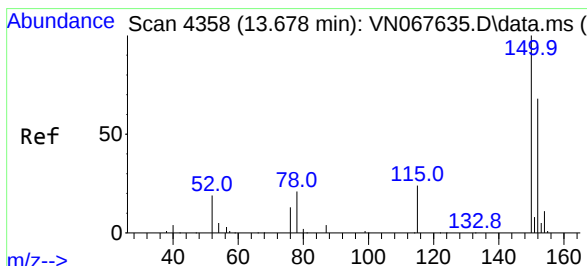
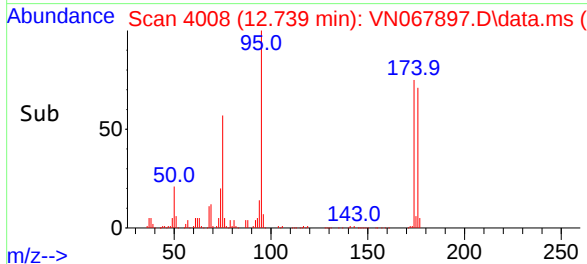
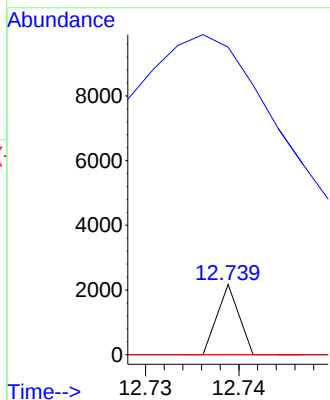
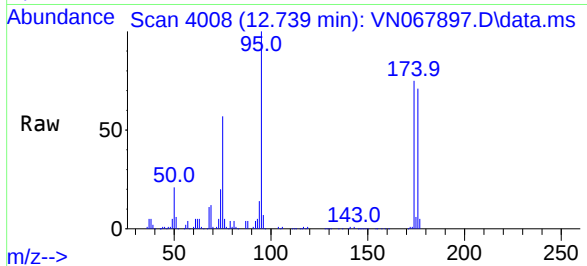




#71
Bromoform
Concen: 3.246 ug/l
RT: 12.739 min Scan# 4008
Delta R.T. 0.279 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

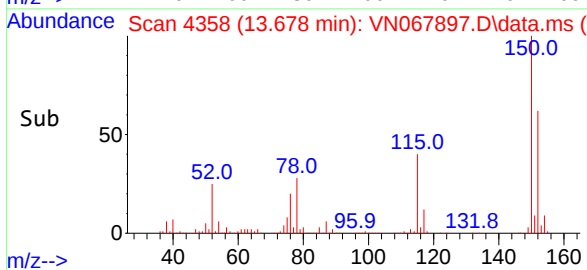
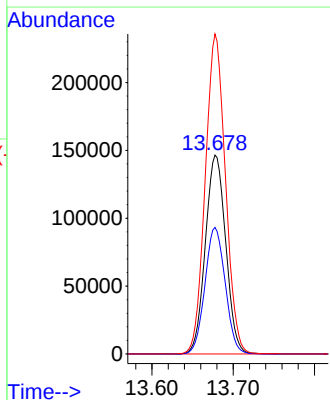
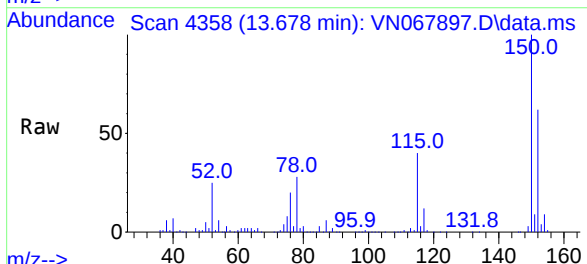
Instrument :
MSVOA_N
ClientSampleId :

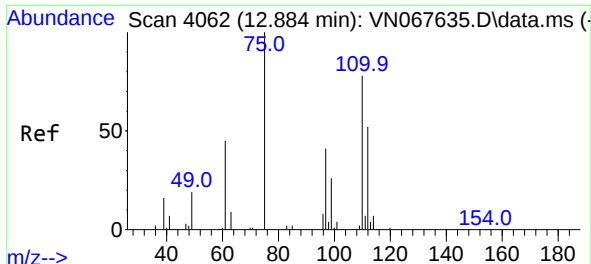
Tgt Ion:173 Resp: 350
Ion Ratio Lower Upper
173 100
175 4444.3 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion:152 Resp: 255833
Ion Ratio Lower Upper
152 100
115 63.1 36.1 108.5
150 159.0 0.0 351.8

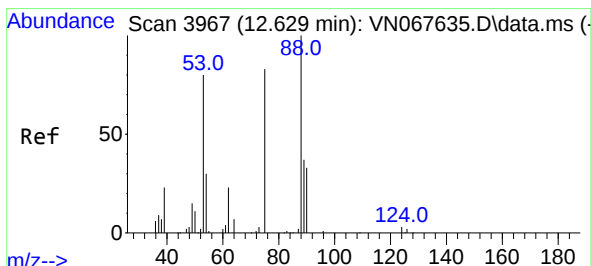
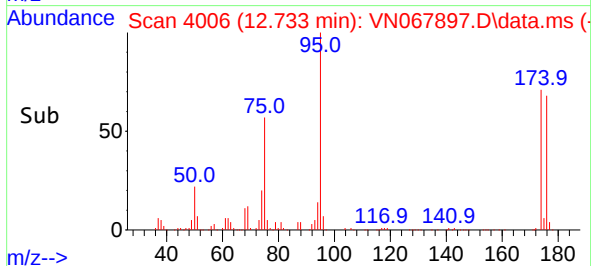
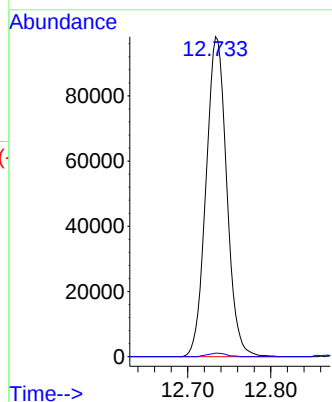
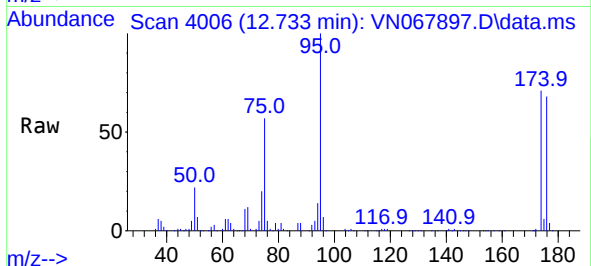




#76
1,2,3-Trichloropropane
Concen: 32.410 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

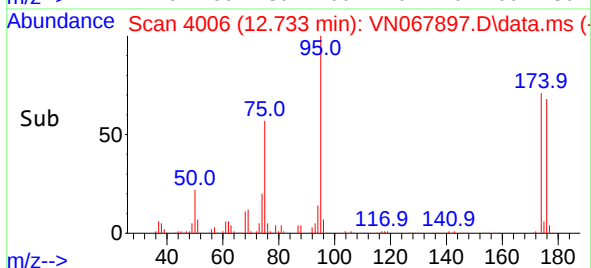
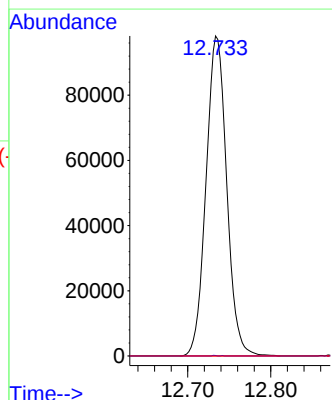
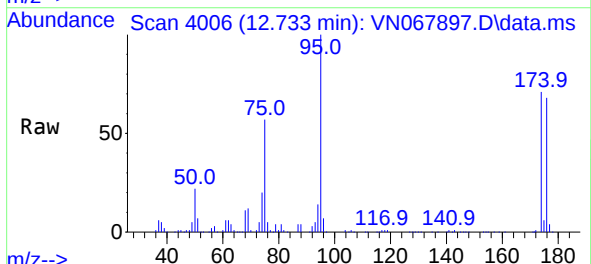
Instrument :
MSVOA_N
ClientSampled :

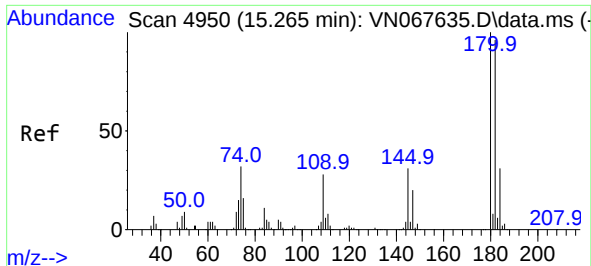
Tgt Ion: 75 Resp: 169328
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.493 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

Tgt Ion: 75 Resp: 169328
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

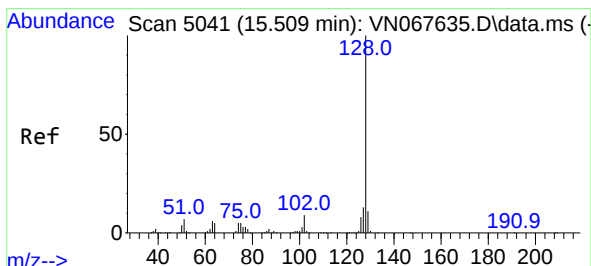
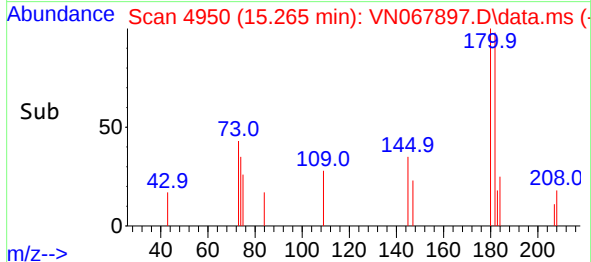
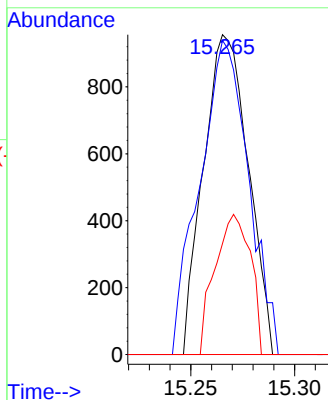
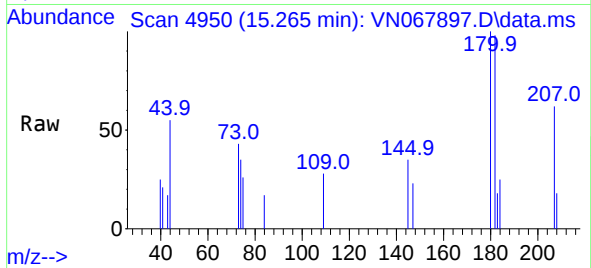




#93
1,2,4-Trichlorobenzene
Concen: 2.992 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

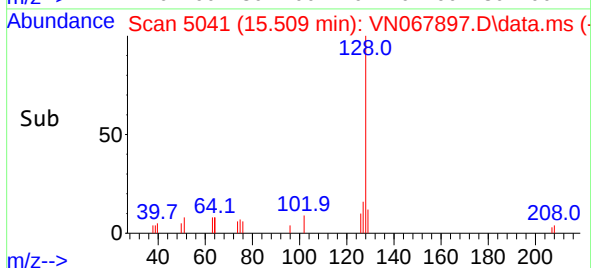
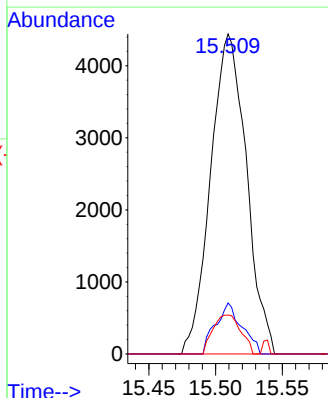
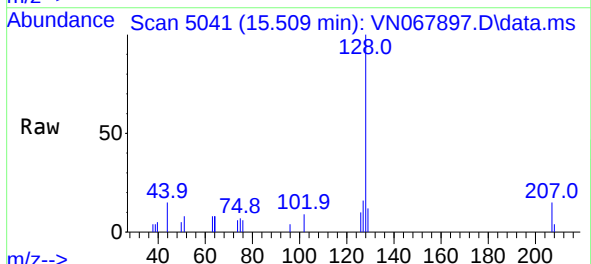
Instrument :
MSVOA_N
ClientSampled :

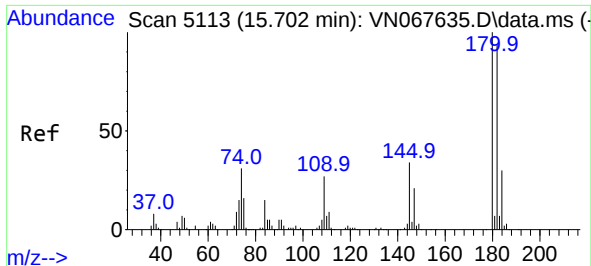
Tgt Ion:180 Resp: 1431
Ion Ratio Lower Upper
180 100
182 107.1 47.5 142.5
145 34.8 17.2 51.6



#95
Naphthalene
Concen: 3.633 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN067897.D
Acq: 26 Jul 2021 10:53

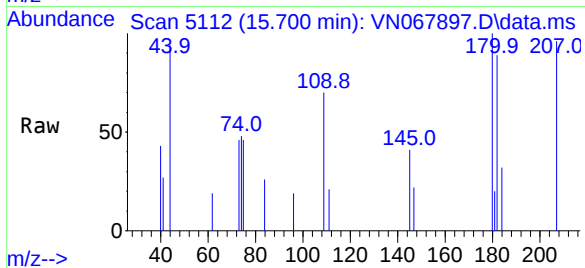
Tgt Ion:128 Resp: 8280
Ion Ratio Lower Upper
128 100
127 11.7 10.6 15.8
129 9.5 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 3.006 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.002 min
 Lab File: VN067897.D
 Acq: 26 Jul 2021 10:53

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:180 Resp: 1610

Ion	Ratio	Lower	Upper
180	100		
182	102.8	47.8	143.3
145	28.1	18.2	54.6

