

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072321\
 Data File : VN067882.D
 Acq On : 23 Jul 2021 16:04
 Operator : JC/MD
 Sample : M3147-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 24 01:42:29 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)

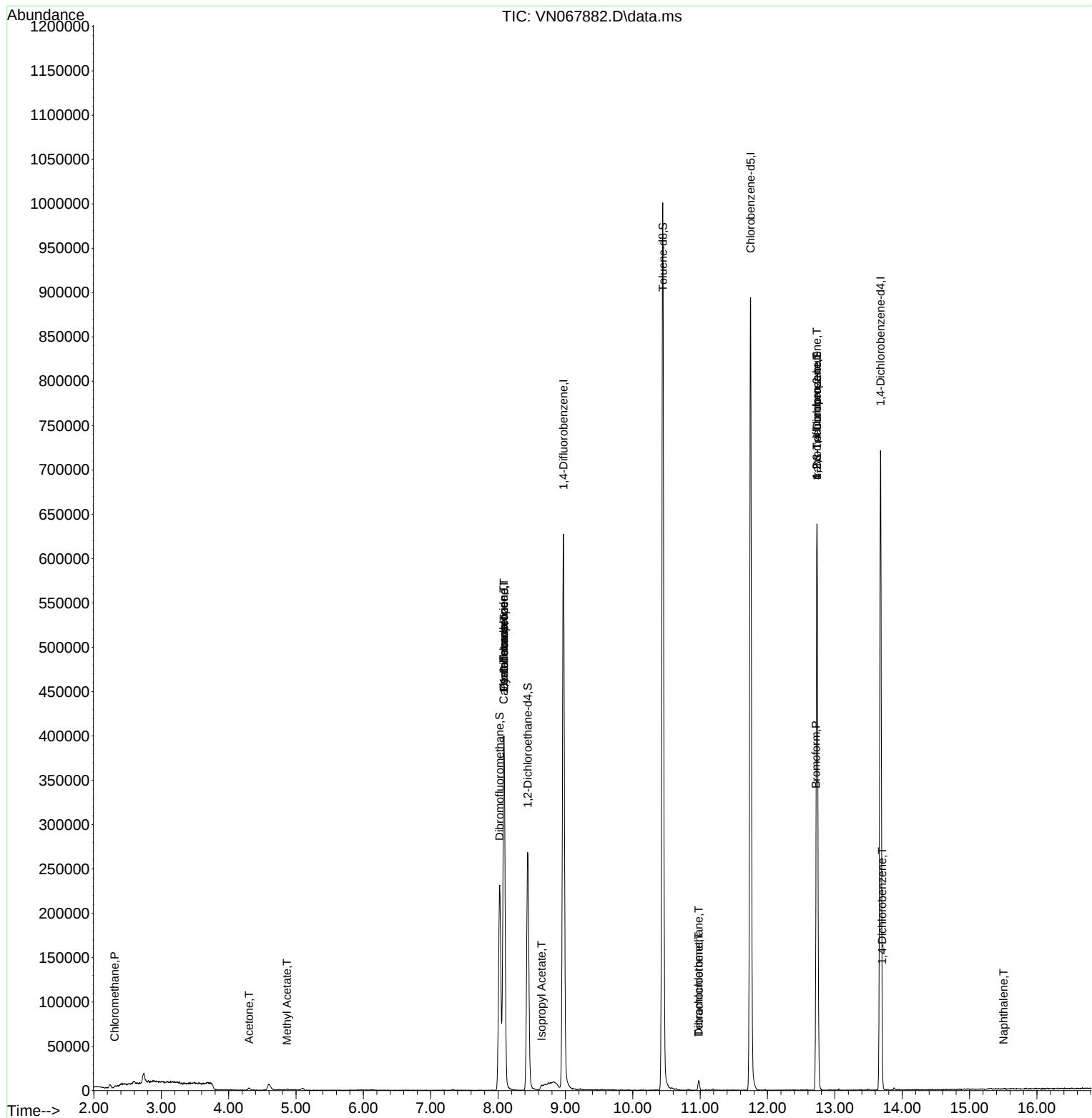
Internal Standards						
1) Pentafluorobenzene	8.088	168	286235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	551969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	521845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	184177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	231194	53.444	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 106.880%		
35) Dibromofluoromethane	8.024	113	168848	50.631	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 101.260%		
50) Toluene-d8	10.446	98	702076	50.296	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 100.600%		
62) 4-Bromofluorobenzene	12.733	95	228790	46.398	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 92.800%		
Target Compounds						
						Qvalue
3) Chloromethane	2.306	50	976	0.253	ug/l	100
5) Bromomethane	2.885	94	1314	Below Cal	#	59
6) Chloroethane	3.247	64	52	Below Cal	#	44
13) Acrolein	4.041	56	26	Below Cal	#	14
16) Acetone	4.304	43	3698	2.717	ug/l #	83
18) Methyl Acetate	4.867	43	1155	0.302	ug/l #	64
20) Methylene Chloride	5.098	84	1587	Below Cal	#	78
31) Cyclohexane	8.088	56	7515	1.239	ug/l #	11
36) 1,1-Dichloropropene	8.086	75	26570	5.182	ug/l #	52
38) Carbon Tetrachloride	8.083	117	31824	6.292	ug/l #	17
43) Isopropyl Acetate	8.646	43	3475	0.398	ug/l #	58
60) Dibromochloromethane	10.980	129	2416	2.844	ug/l #	11
64) Tetrachloroethene	10.977	164	2268	0.616	ug/l	90
71) Bromoform	12.720	173	187	3.228	ug/l #	1
76) 1,2,3-Trichloropropane	12.733	75	128301	34.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	128301	109.979	ug/l #	6
88) 1,4-Dichlorobenzene	13.702	146	1393	0.223	ug/l #	60
95) Naphthalene	15.504	128	814	3.097	ug/l #	69

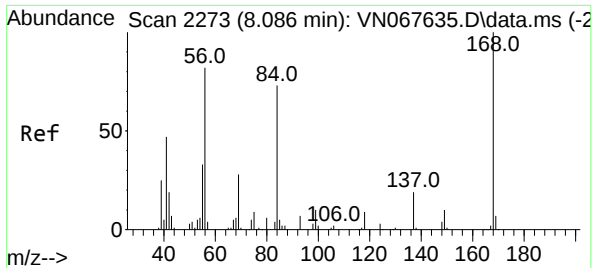
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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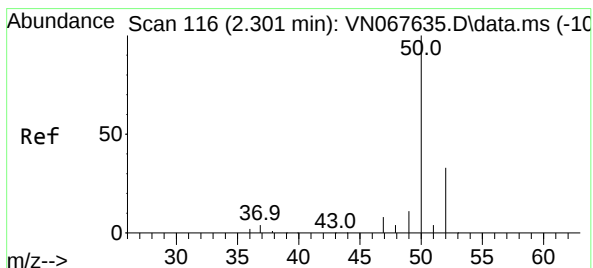
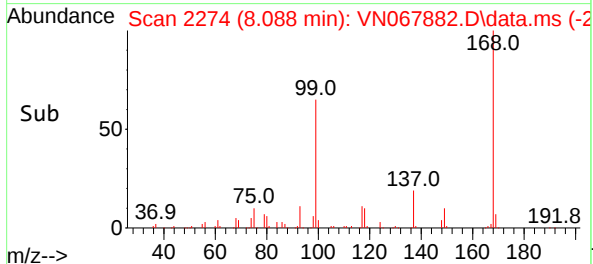
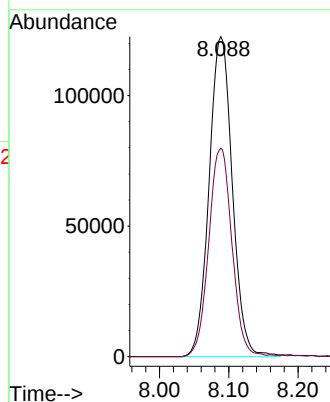
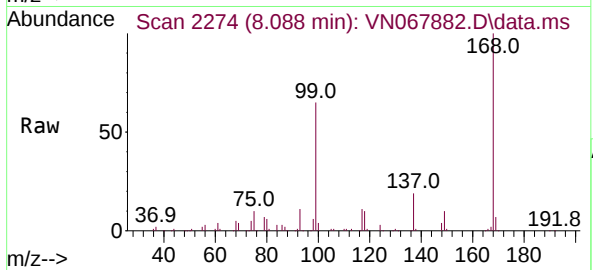




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.002 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

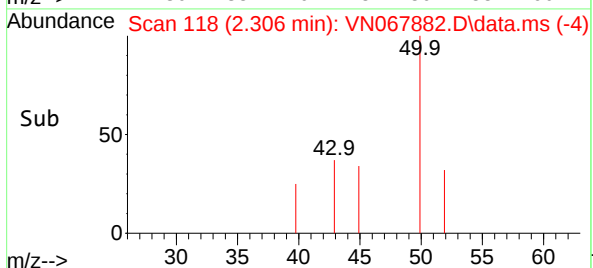
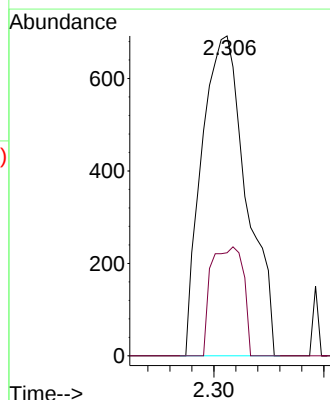
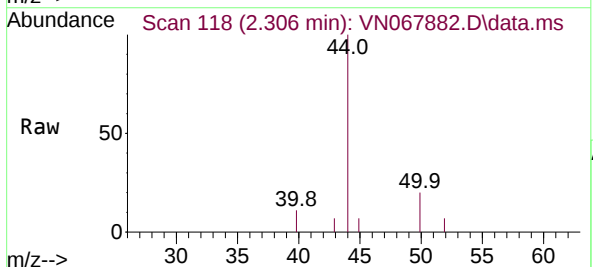
Instrument :
MSVOA_N
ClientSampled :

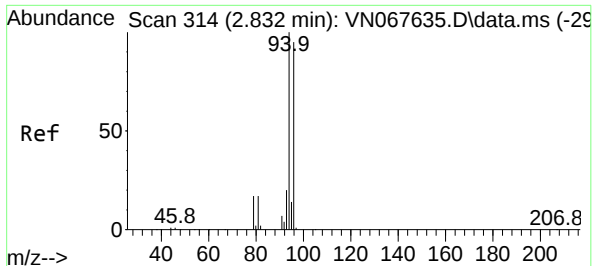
Tgt Ion:168 Resp: 286235
Ion Ratio Lower Upper
168 100
99 65.2 62.9 94.3



#3
Chloromethane
Concen: 0.253 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

Tgt Ion: 50 Resp: 976
Ion Ratio Lower Upper
50 100
52 32.2 25.6 38.4

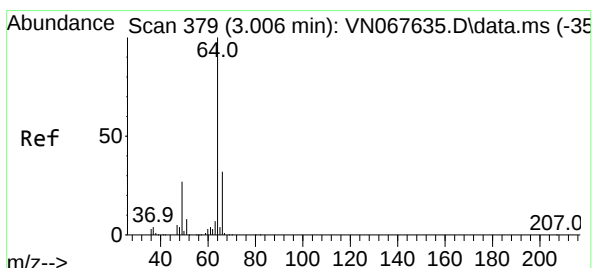
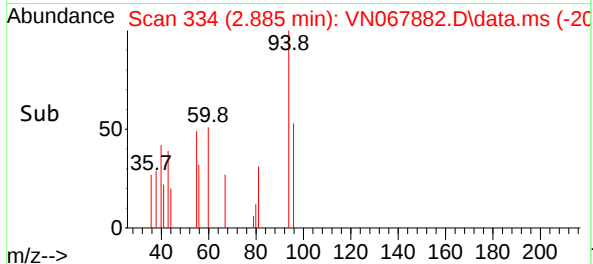
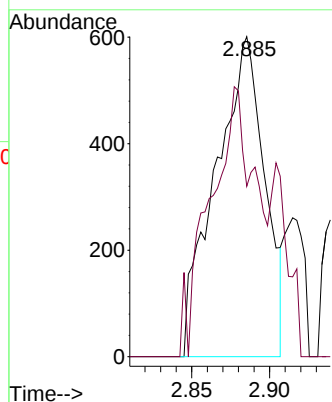
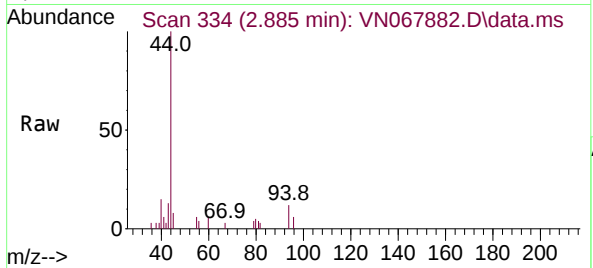




#5
Bromomethane
Concen: Below Cal
RT: 2.885 min Scan# 334
Delta R.T. 0.053 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

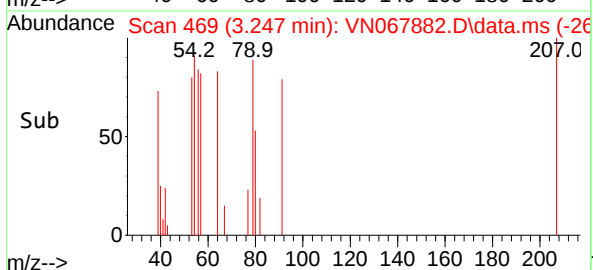
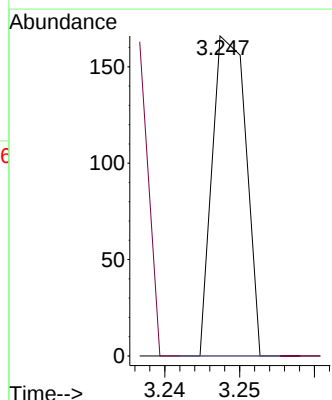
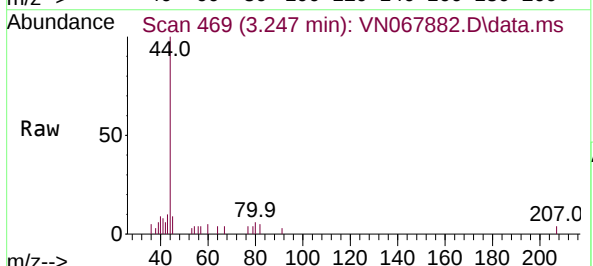
Instrument :
MSVOA_N
ClientSampled :

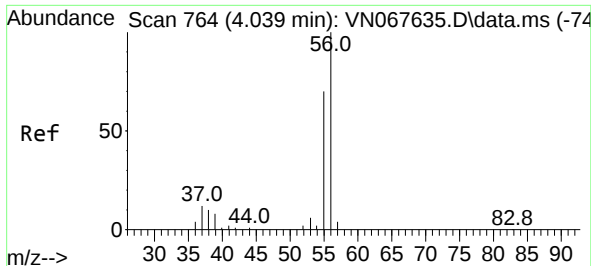
Tgt Ion: 94 Resp: 1314
Ion Ratio Lower Upper
94 100
96 53.2 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.247 min Scan# 469
Delta R.T. 0.241 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

Tgt Ion: 64 Resp: 52
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

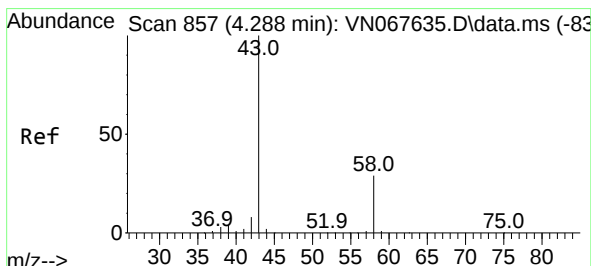
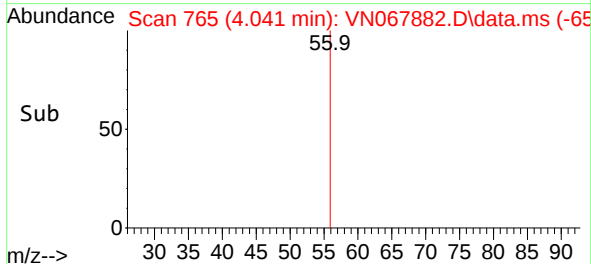
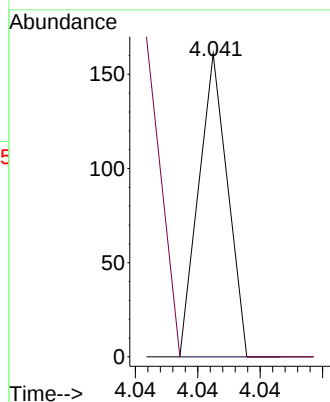
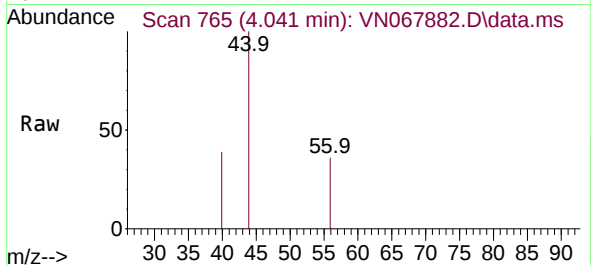




#13
Acrolein
Concen: Below Cal
RT: 4.041 min Scan# 765
Delta R.T. 0.002 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

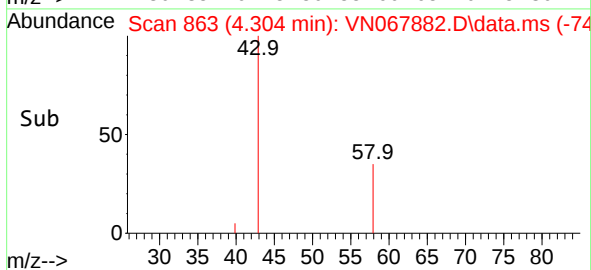
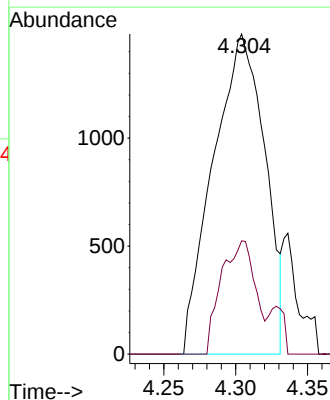
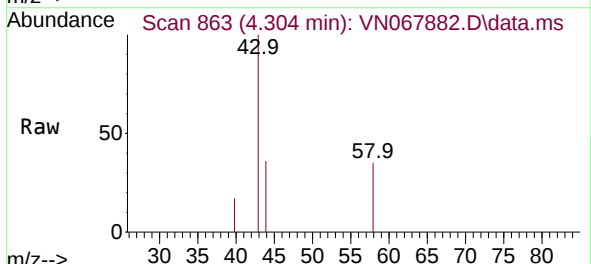
Instrument :
MSVOA_N
ClientSampled :

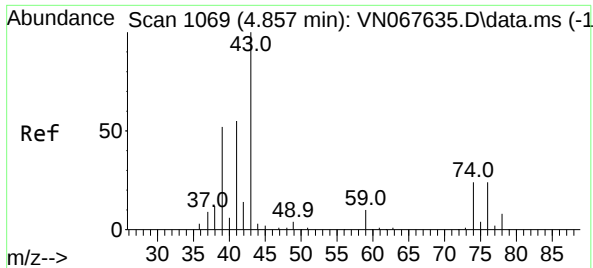
Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: 2.717 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

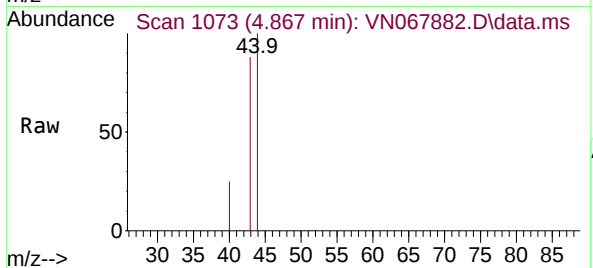
Tgt Ion: 43 Resp: 3698
Ion Ratio Lower Upper
43 100
58 35.4 21.2 31.8#



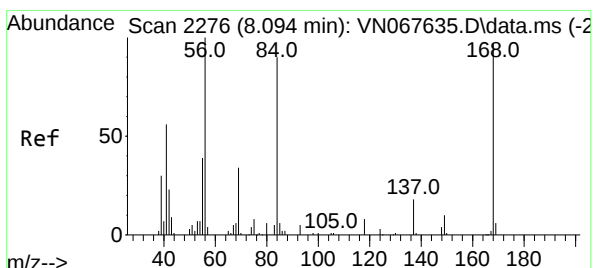
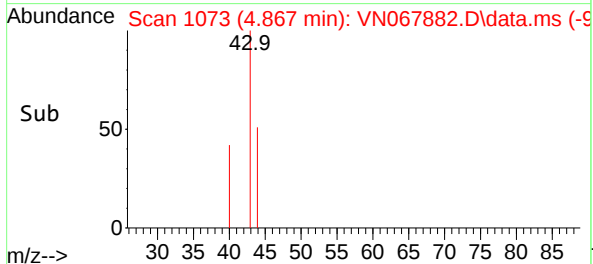
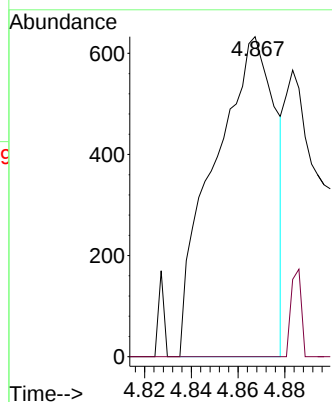


#18
Methyl Acetate
Concen: 0.302 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

Instrument :
MSVOA_N
ClientSampled :

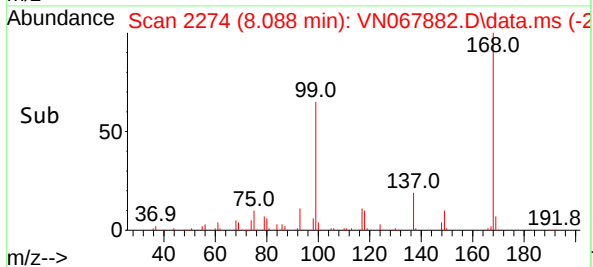
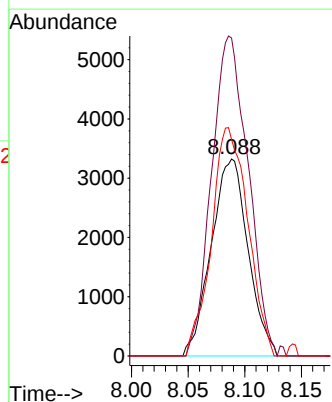
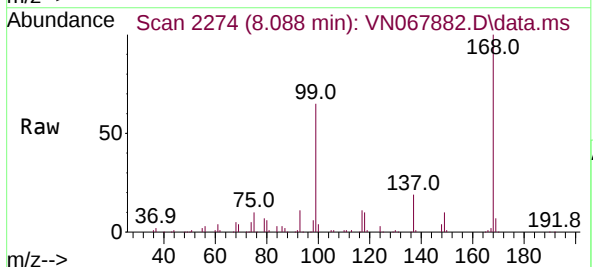


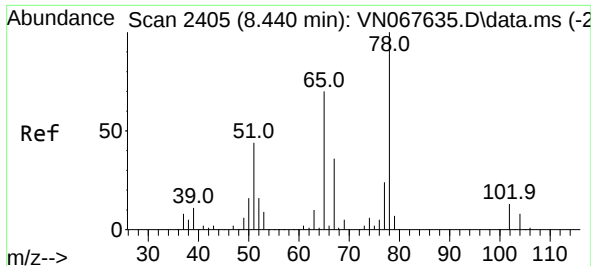
Tgt Ion: 43 Resp: 1155
Ion Ratio Lower Upper
43 100
74 4.5 17.4 26.0#



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

Tgt Ion: 56 Resp: 7515
Ion Ratio Lower Upper
56 100
69 161.4 27.3 40.9#
84 109.9 64.9 97.3#

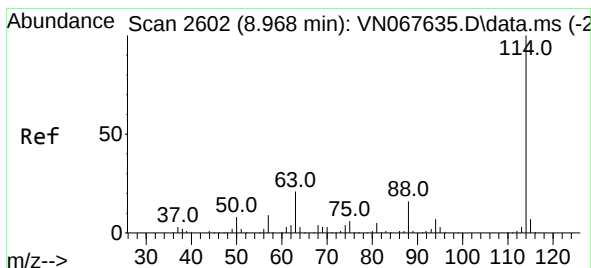
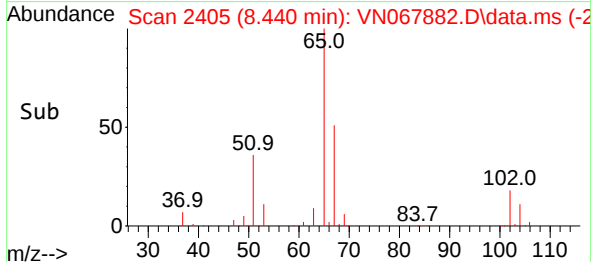
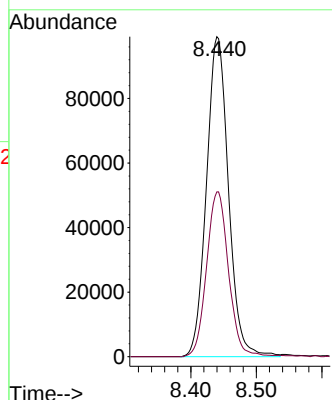
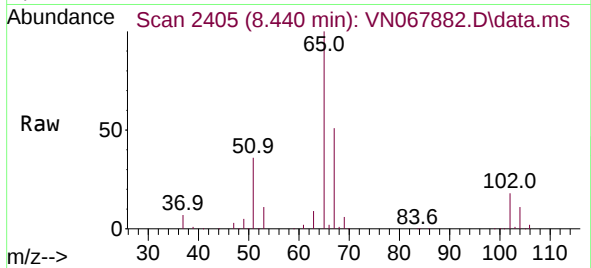




#33
 1,2-Dichloroethane-d4
 Concen: 53.444 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN067882.D
 Acq: 23 Jul 2021 16:04

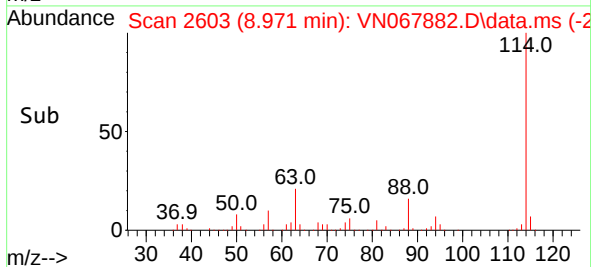
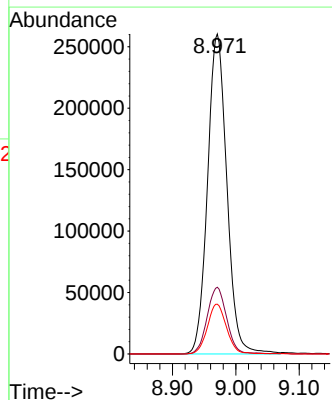
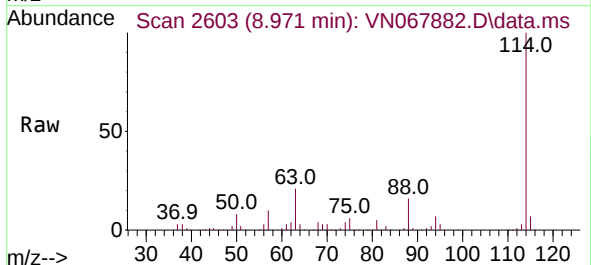
Instrument :
 MSVOA_N
 ClientSampled :

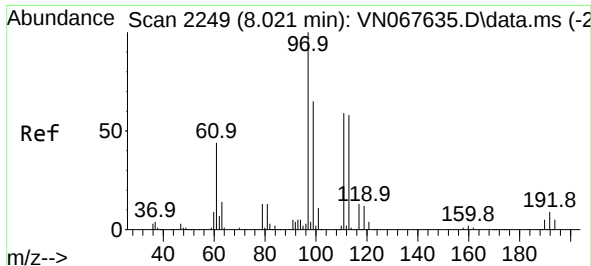
Tgt Ion: 65 Resp: 231194
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN067882.D
 Acq: 23 Jul 2021 16:04

Tgt Ion: 114 Resp: 551969
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 49.0
 88 15.5 0.0 36.6

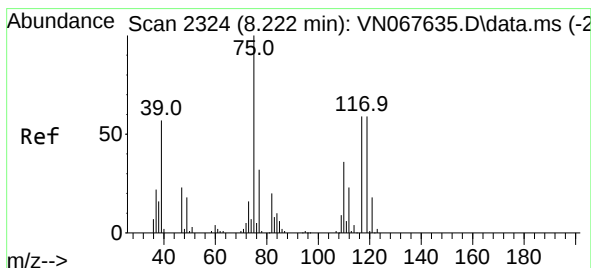
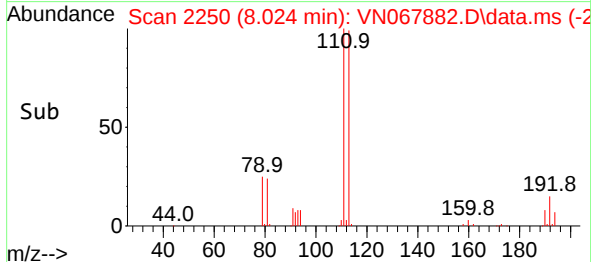
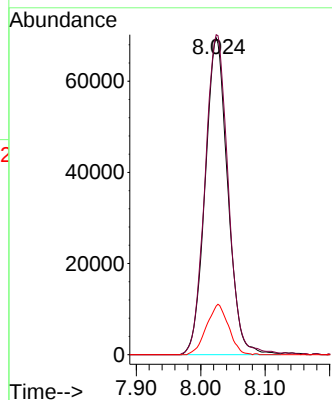
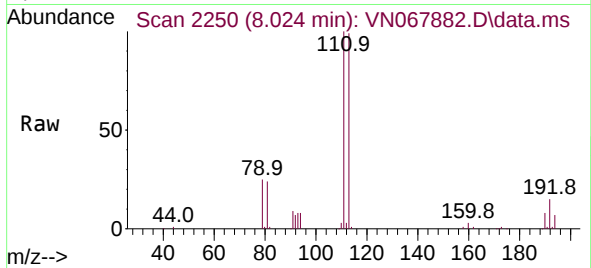




#35
Dibromofluoromethane
Concen: 50.631 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

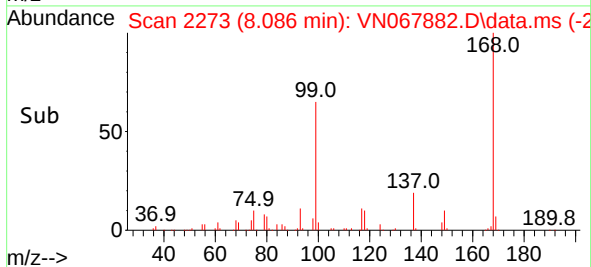
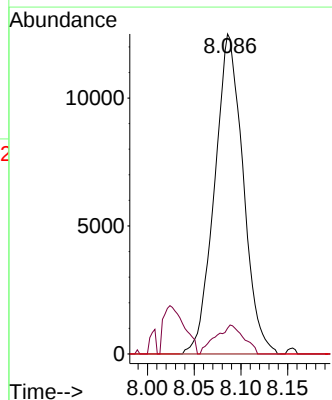
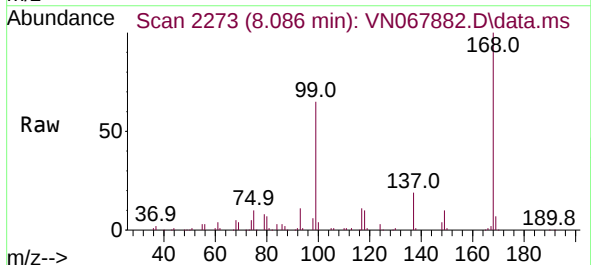
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MSVOA_N
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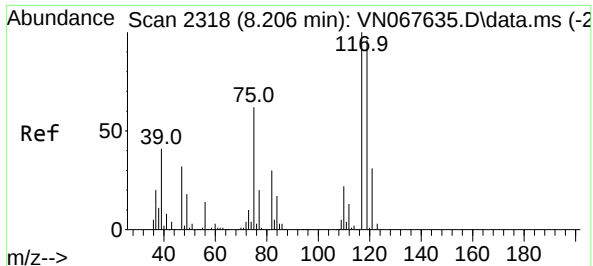
Tgt Ion:113 Resp: 168848
Ion Ratio Lower Upper
113 100
111 103.8 83.8 125.8
192 15.5 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.182 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

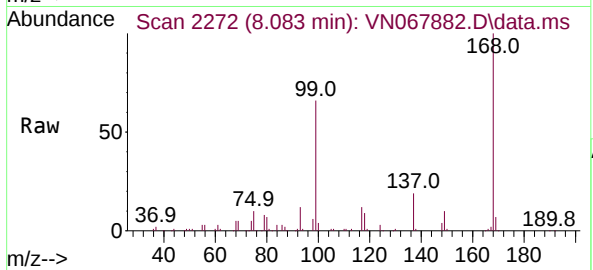
Tgt Ion: 75 Resp: 26570
Ion Ratio Lower Upper
75 100
110 8.9 15.7 47.0#
77 0.0 24.6 37.0#



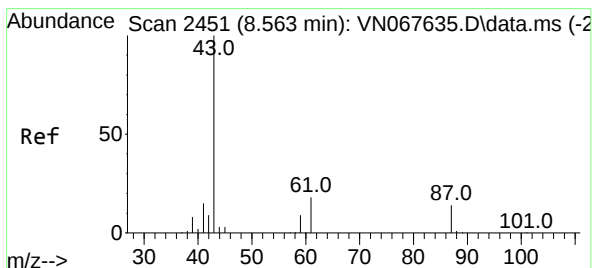
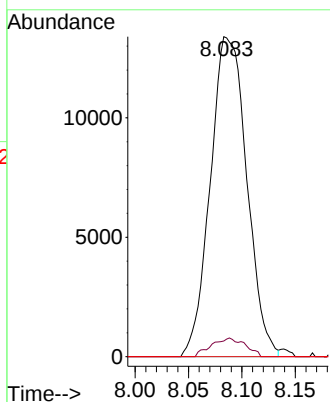
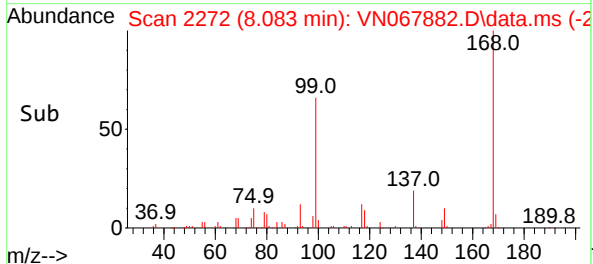


#38
Carbon Tetrachloride
Concen: 6.292 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

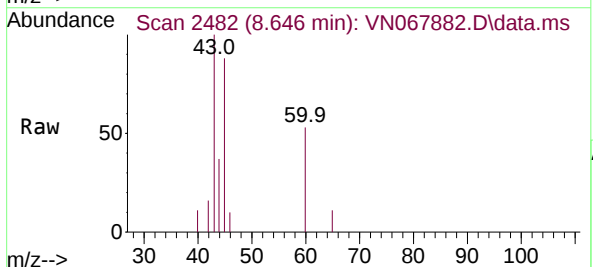
Instrument :
MSVOA_N
ClientSampleId :



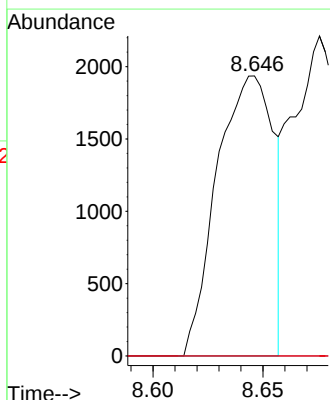
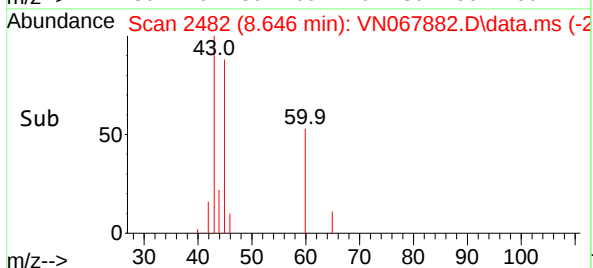
Tgt Ion:117 Resp: 31824
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

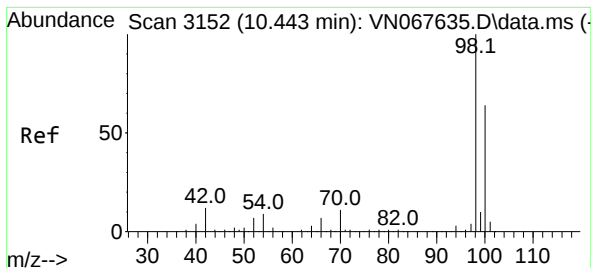


#43
Isopropyl Acetate
Concen: 0.398 ug/l
RT: 8.646 min Scan# 2482
Delta R.T. 0.083 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04



Tgt Ion: 43 Resp: 3475
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#

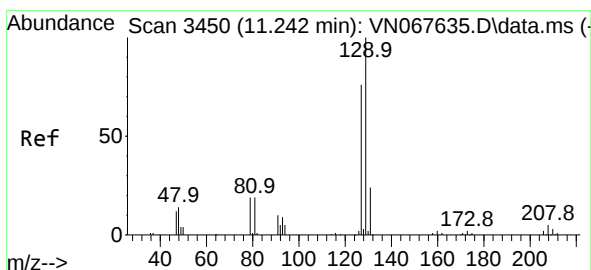
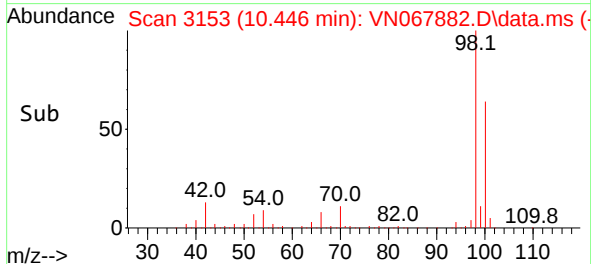
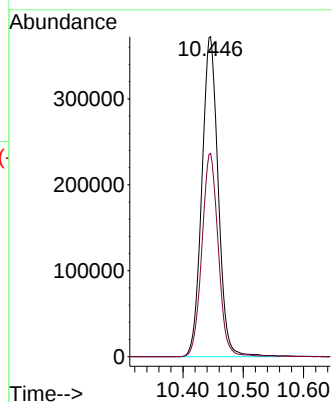
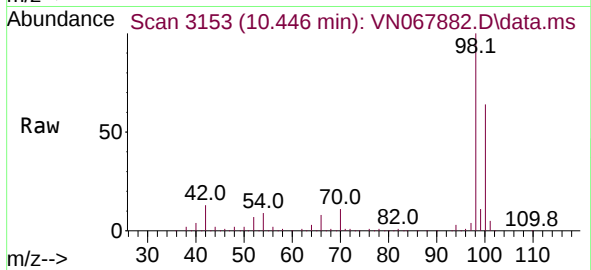




#50
Toluene-d8
Concen: 50.296 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

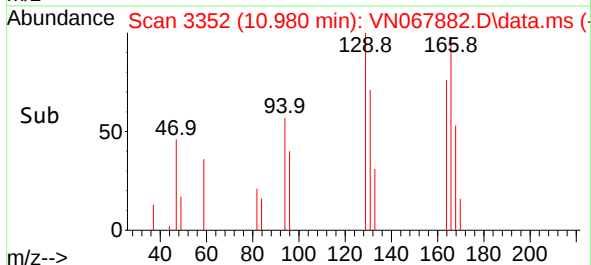
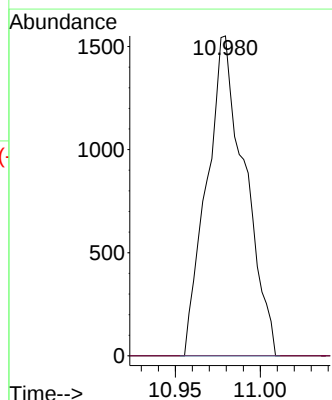
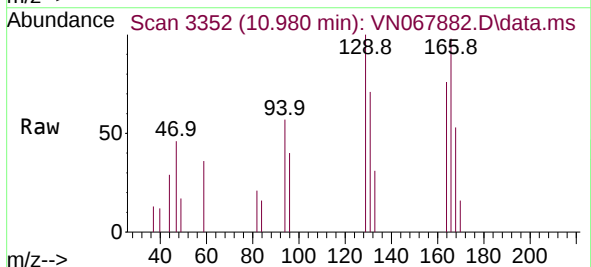
Instrument :
MSVOA_N
ClientSampled :

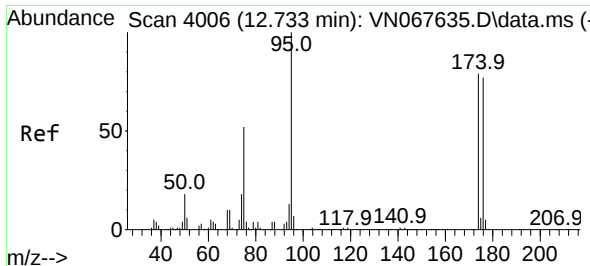
Tgt Ion: 98 Resp: 702076
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#60
Dibromochloromethane
Concen: 2.844 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.263 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

Tgt Ion:129 Resp: 2416
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#

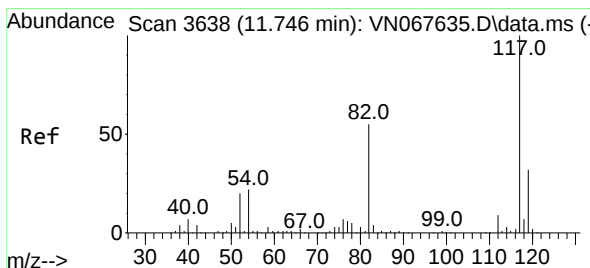
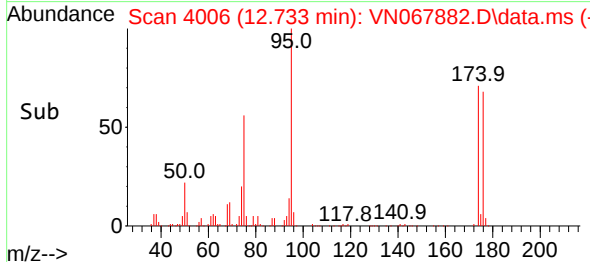
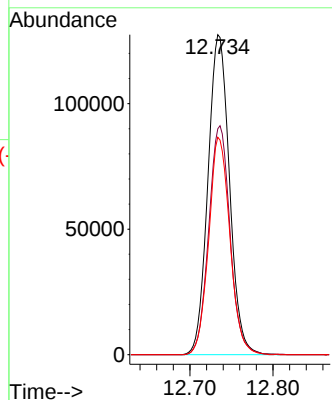
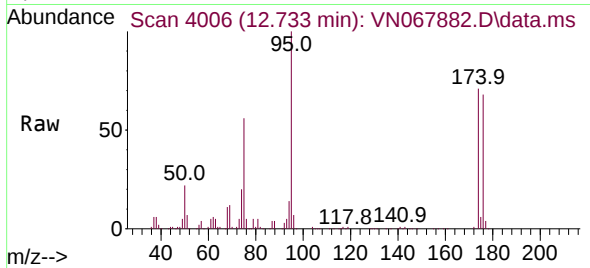




#62
4-Bromofluorobenzene
Concen: 46.398 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

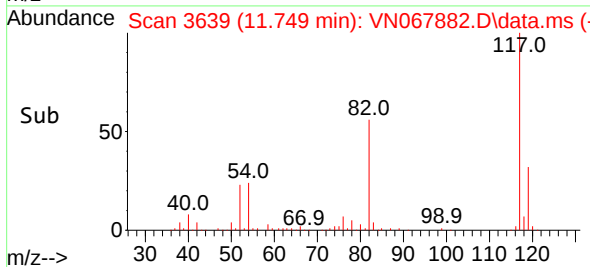
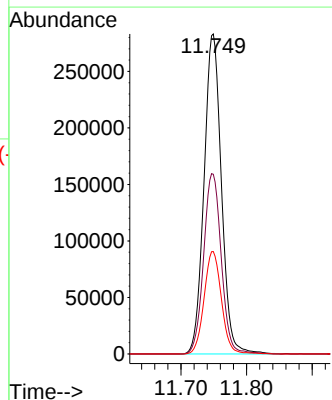
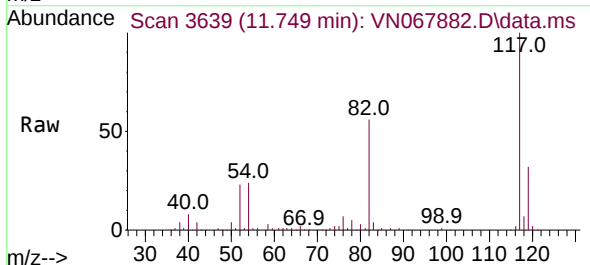
Instrument :
MSVOA_N
ClientSampleId :

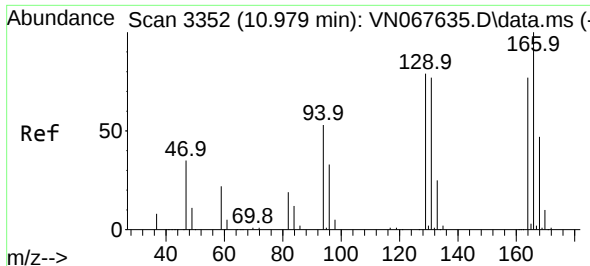
Tgt Ion: 95 Resp: 228790
Ion Ratio Lower Upper
95 100
174 70.9 0.0 122.0
176 67.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

Tgt Ion: 117 Resp: 521845
Ion Ratio Lower Upper
117 100
82 56.2 53.1 79.7
119 32.0 25.5 38.3

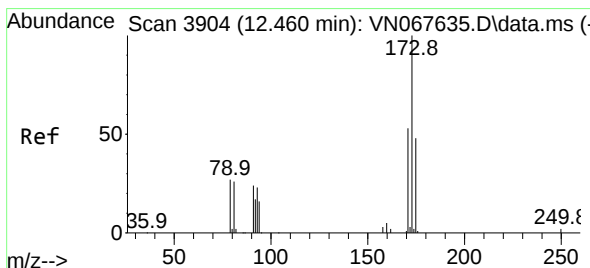
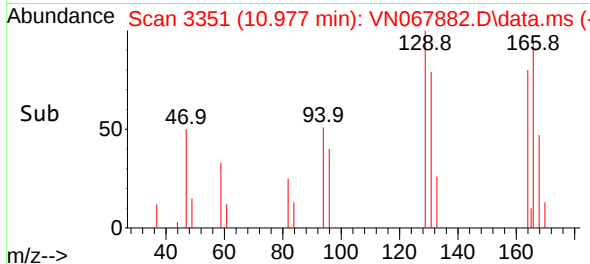
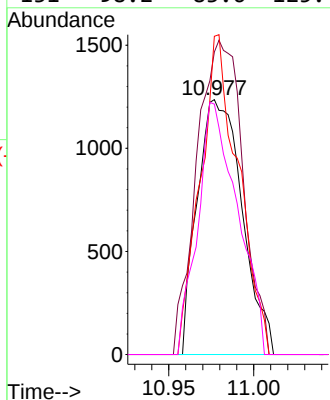
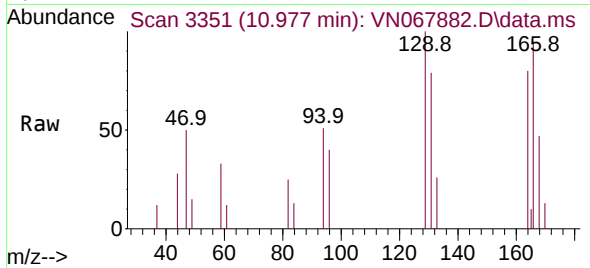




#64
Tetrachloroethene
Concen: 0.616 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.002 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

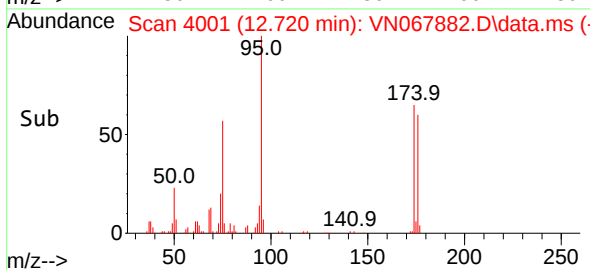
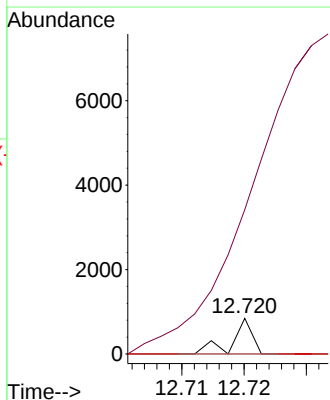
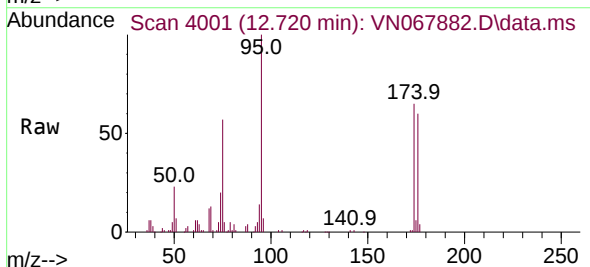
Instrument :
MSVOA_N
ClientSampleId :

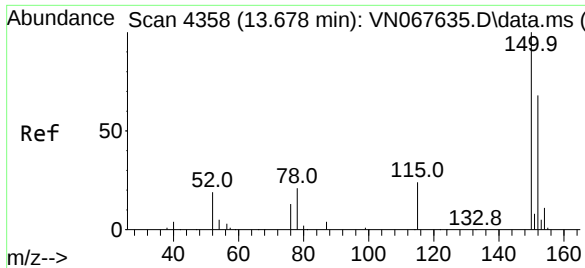
Tgt Ion:164	Resp:	2268
Ion	Ratio	Lower Upper
164	100	
166	118.7	102.1 153.1
129	124.8	86.9 130.3
131	98.2	83.6 125.4



#71
Bromoform
Concen: 3.228 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

Tgt Ion:173	Resp:	187
Ion	Ratio	Lower Upper
173	100	
175	6387.2	23.9 71.8#
254	0.0	0.0 0.0

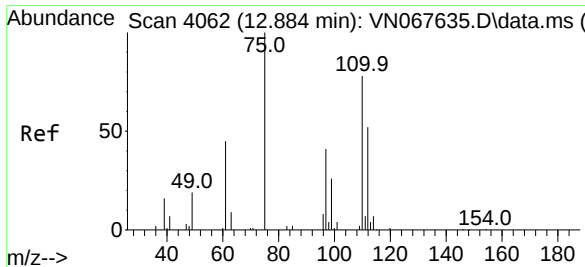
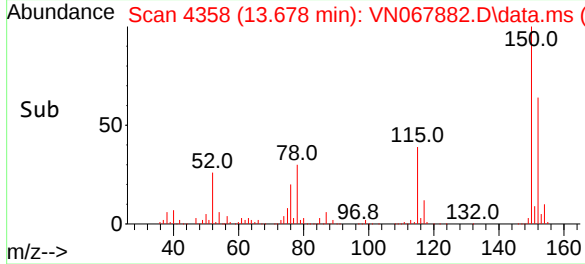
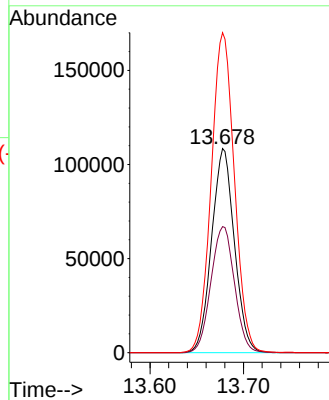
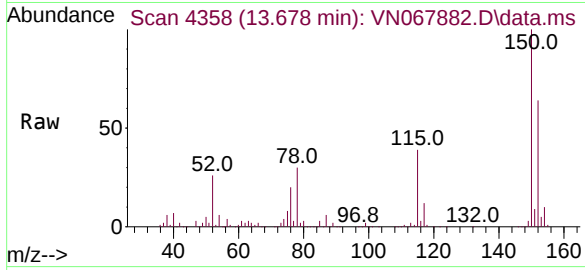




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

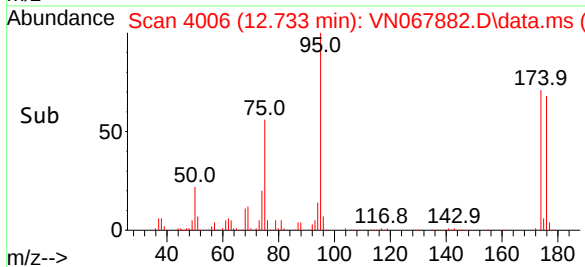
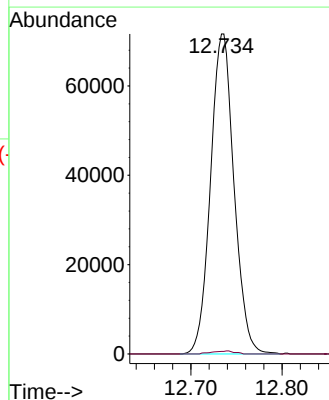
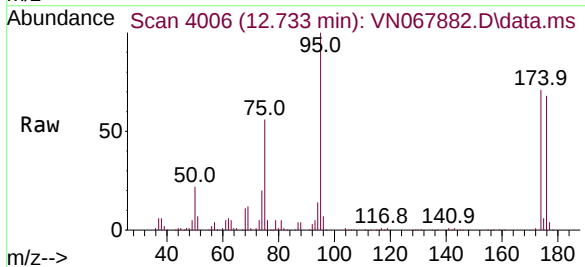
Instrument :
MSVOA_N
ClientSampled :

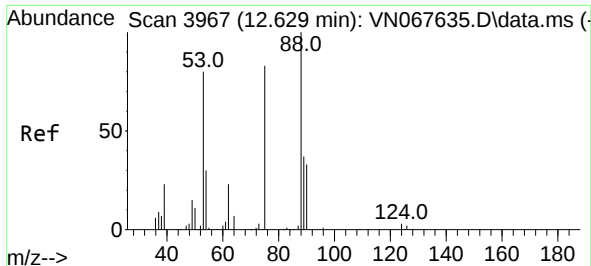
Tgt Ion:152 Resp: 184177
Ion Ratio Lower Upper
152 100
115 63.8 36.1 108.5
150 159.3 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 34.112 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

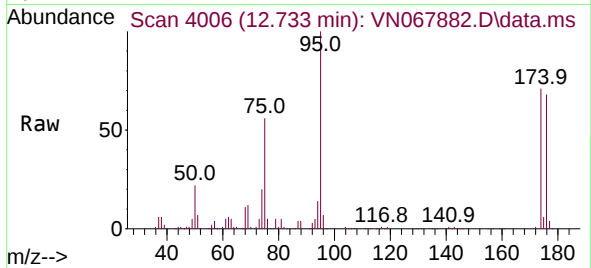
Tgt Ion: 75 Resp: 128301
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



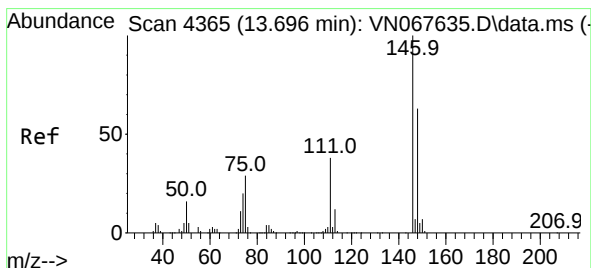
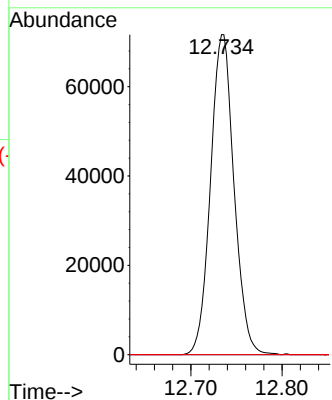
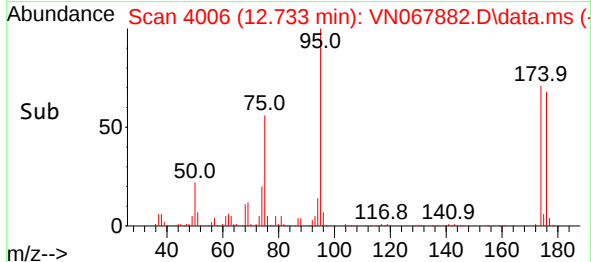


#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.979 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN067882.D
 Acq: 23 Jul 2021 16:04

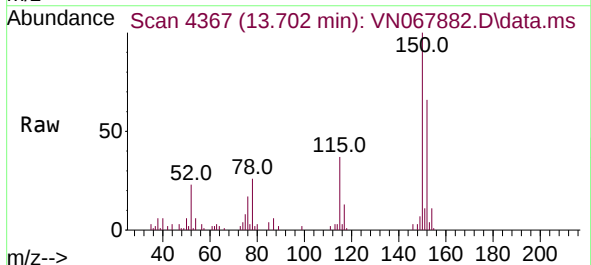
Instrument :
 MSVOA_N
 ClientSampled :



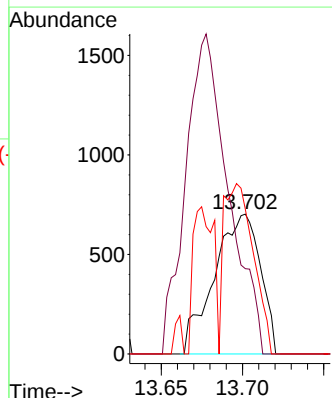
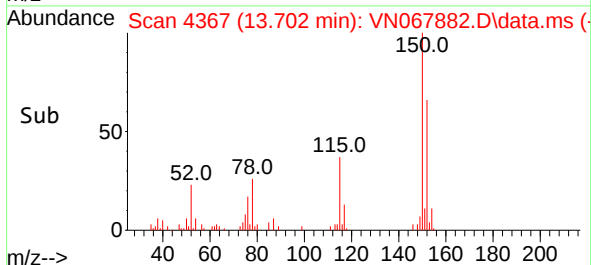
Tgt Ion: 75 Resp: 128301
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.6 131.4#
 89 0.0 37.8 56.8#

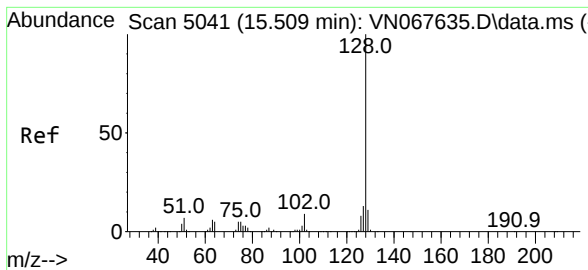


#88
 1,4-Dichlorobenzene
 Concen: 0.223 ug/l
 RT: 13.702 min Scan# 4367
 Delta R.T. 0.006 min
 Lab File: VN067882.D
 Acq: 23 Jul 2021 16:04



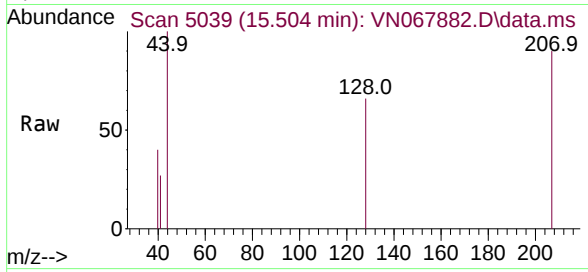
Tgt Ion:146 Resp: 1393
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.4 70.2#
 148 77.4 31.8 95.3





#95
Naphthalene
Concen: 3.097 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN067882.D
Acq: 23 Jul 2021 16:04

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	814
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	12.8#

