

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062221\
 Data File : VN067440.D
 Acq On : 22 Jun 2021 16:25
 Operator : JC/MD
 Sample : M2795-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B3GW

Quant Time: Jun 23 04:05:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 15 05:19:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

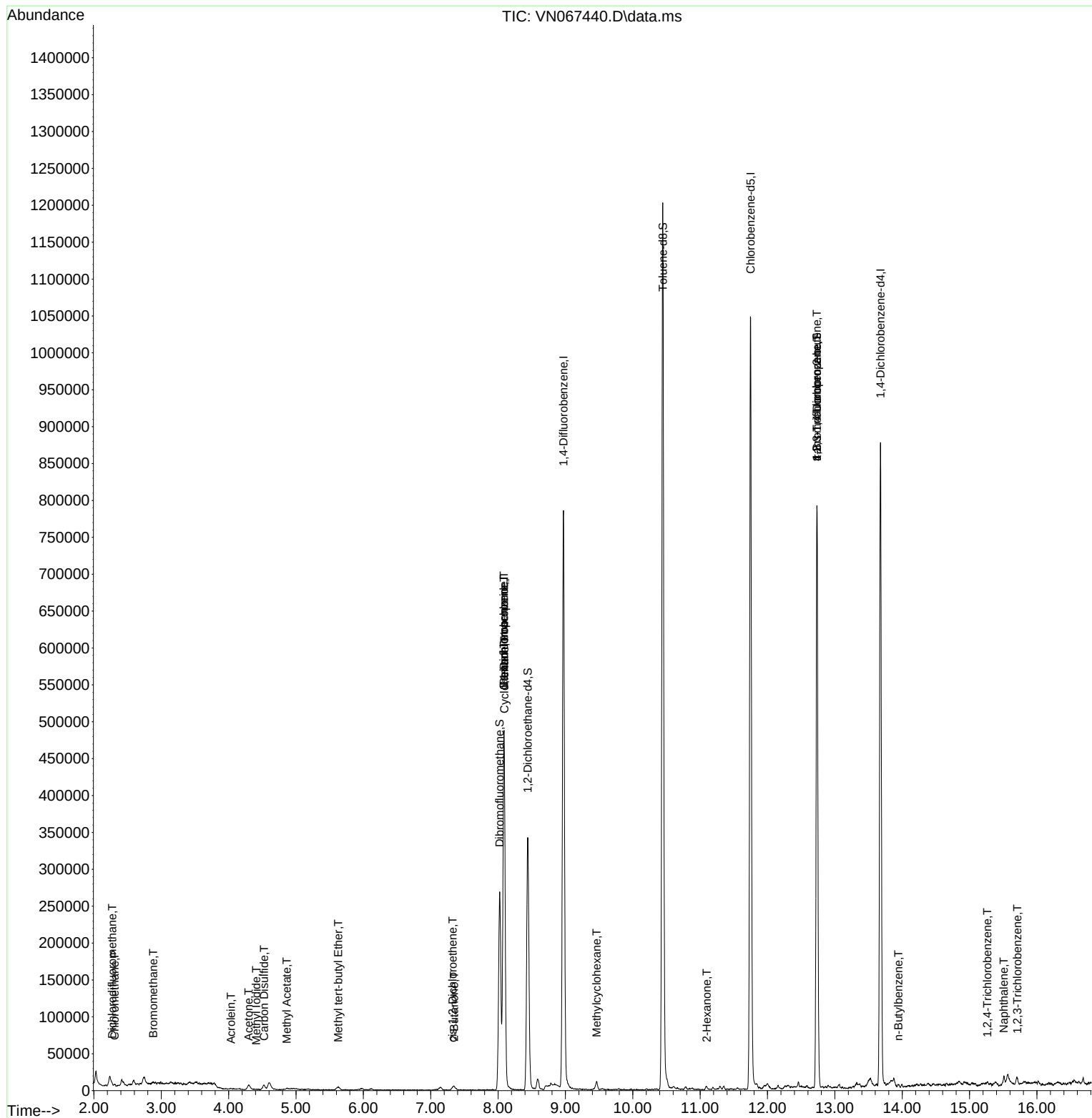
Internal Standards						
1) Pentafluorobenzene	8.088	168	312264	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	645042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	571890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	203335	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	280832	45.589	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	91.180%
35) Dibromofluoromethane	8.024	113	197352	46.002	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.000%
50) Toluene-d8	10.446	98	837930	50.960	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.920%
62) 4-Bromofluorobenzene	12.734	95	293250	43.215	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	86.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.271	85	53	1.336	ug/l #	43
3) Chloromethane	2.306	50	2430	0.513	ug/l	95
5) Bromomethane	2.880	94	1234	0.626	ug/l #	65
10) Methyl Iodide	4.411	142	474	6.847	ug/l #	33
13) Acrolein	4.036	56	500	0.790	ug/l #	67
16) Acetone	4.296	43	12025	5.087	ug/l	96
17) Carbon Disulfide	4.527	76	12852	1.062	ug/l #	89
18) Methyl Acetate	4.865	43	2355	0.411	ug/l #	56
19) Methyl tert-butyl Ether	5.629	73	3427	0.228	ug/l #	69
25) 2-Butanone	7.346	43	2588	0.766	ug/l	96
27) cis-1,2-Dichloroethene	7.327	96	1731	0.354	ug/l	90
31) Cyclohexane	8.094	56	14417	1.722	ug/l #	27
36) 1,1-Dichloropropene	8.086	75	36006	4.979	ug/l #	50
38) Carbon Tetrachloride	8.086	117	38445	4.946	ug/l #	16
39) Methylcyclohexane	9.464	83	4530	0.592	ug/l	92
59) 2-Hexanone	11.098	43	3965	0.684	ug/l	87
76) 1,2,3-Trichloropropane	12.734	75	166015	31.441	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	166015	77.920	ug/l #	6
89) n-Butylbenzene	13.943	91	2824	0.201	ug/l	83
93) 1,2,4-Trichlorobenzene	15.265	180	1137	0.320	ug/l	80
95) Naphthalene	15.507	128	8809	3.283	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.708	180	1046	0.307	ug/l	82

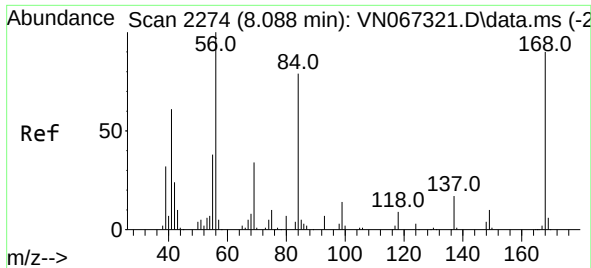
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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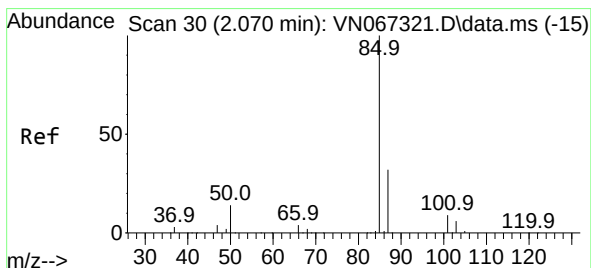
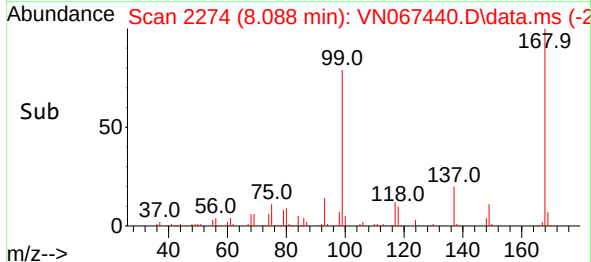
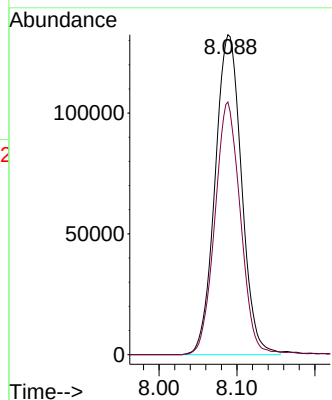
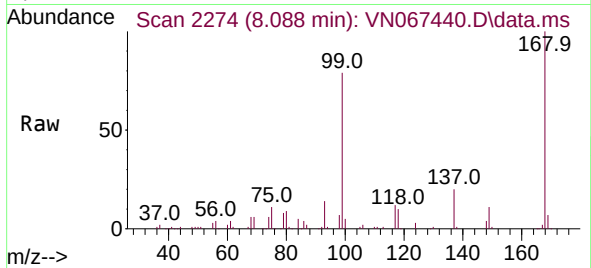




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

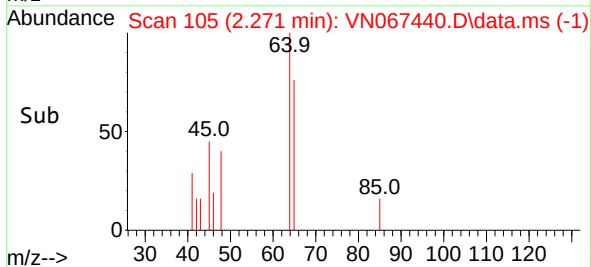
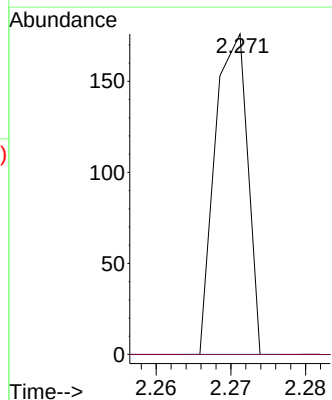
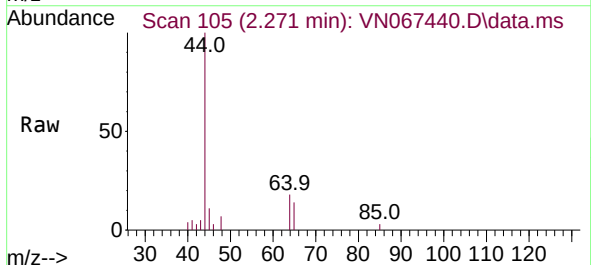
Instrument :
MSVOA_N
ClientSampled :
B3GW

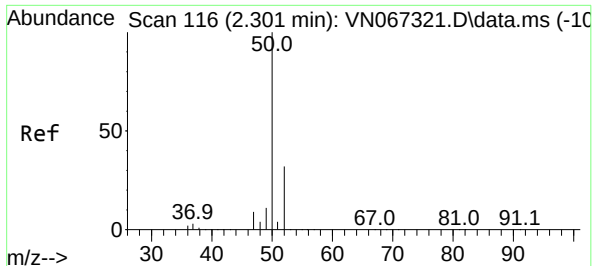
Tgt Ion:168 Resp: 312264
Ion Ratio Lower Upper
168 100
99 79.0 62.9 94.3



#2
Dichlorodifluoromethane
Concen: 1.336 ug/l
RT: 2.271 min Scan# 105
Delta R.T. 0.201 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 85 Resp: 53
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#3

Chloromethane

Concen: 0.513 ug/l

RT: 2.306 min Scan# 118

Delta R.T. 0.005 min

Lab File: VN067440.D

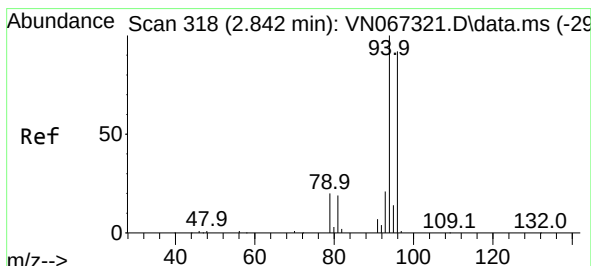
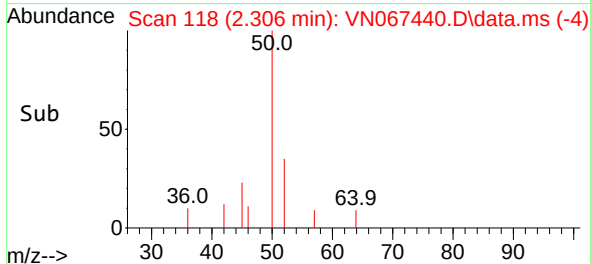
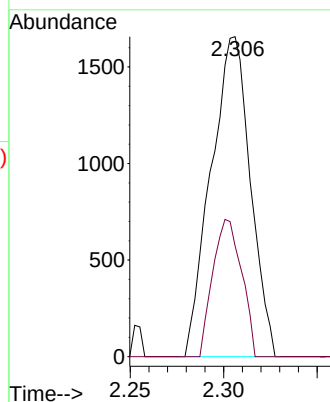
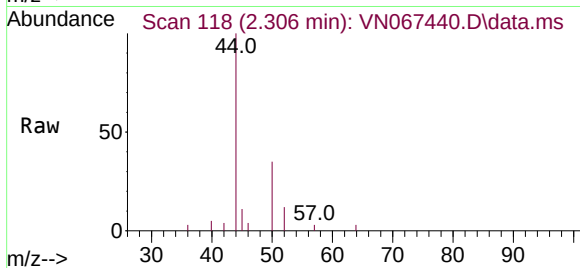
Acq: 22 Jun 2021 16:25

Tgt Ion: 50 Resp: 2430

Ion Ratio Lower Upper

50 100

52 34.6 25.6 38.4



#5

Bromomethane

Concen: 0.626 ug/l

RT: 2.880 min Scan# 332

Delta R.T. 0.038 min

Lab File: VN067440.D

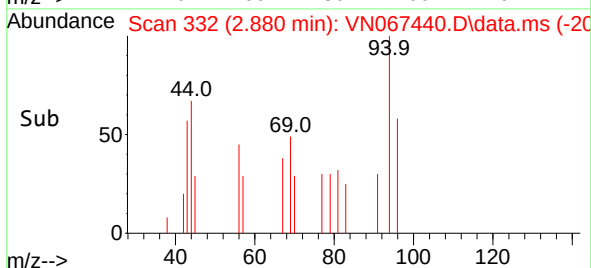
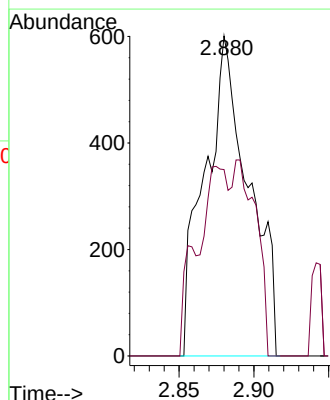
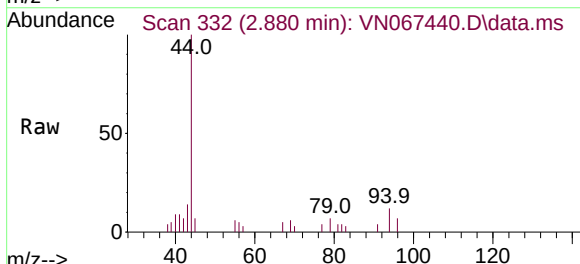
Acq: 22 Jun 2021 16:25

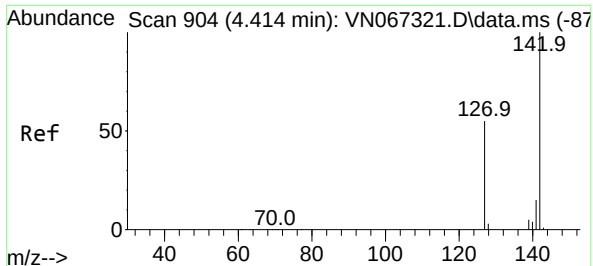
Tgt Ion: 94 Resp: 1234

Ion Ratio Lower Upper

94 100

96 58.2 73.7 110.5#

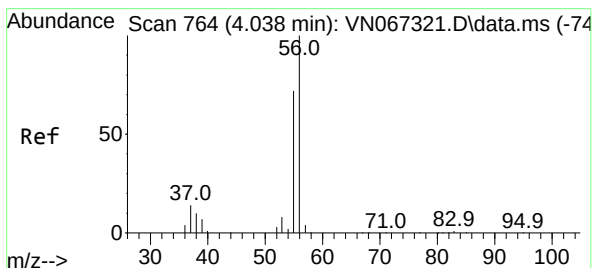
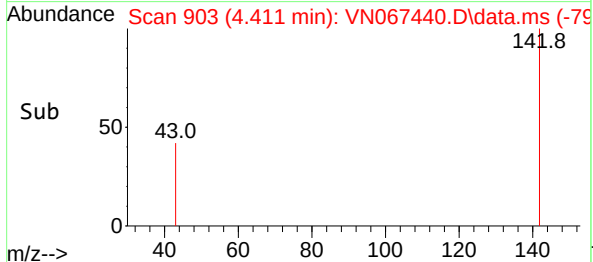
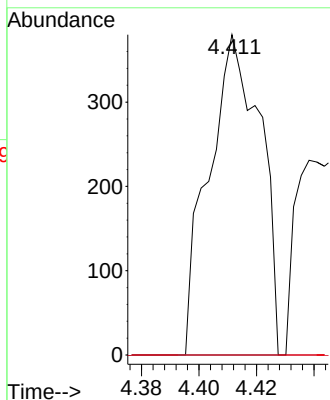
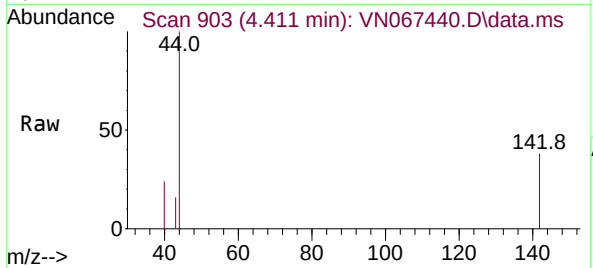




#10
Methyl Iodide
Concen: 6.847 ug/l
RT: 4.411 min Scan# 903
Delta R.T. -0.003 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

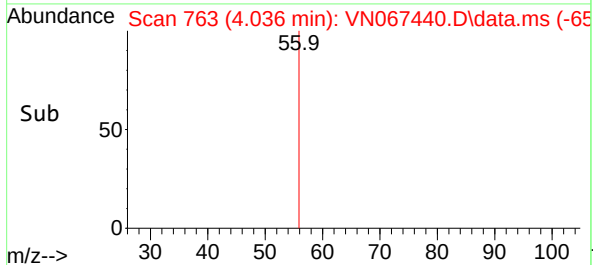
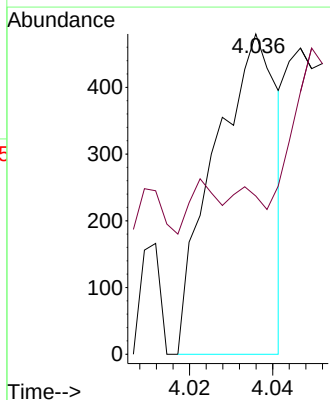
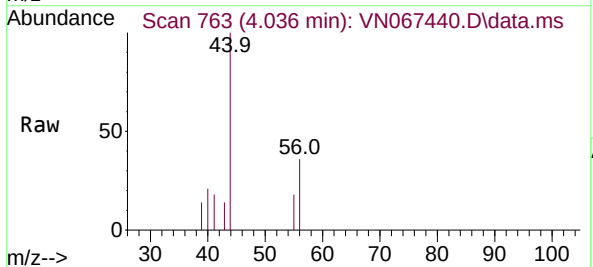
Instrument :
MSVOA_N
ClientSampleId :
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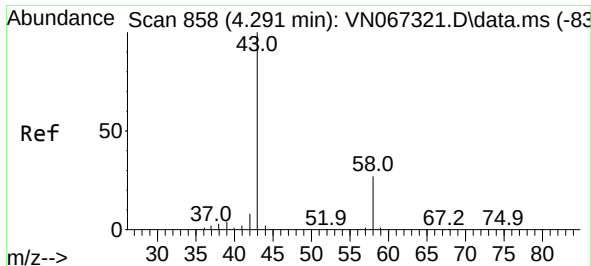
Tgt Ion:142 Resp: 474
Ion Ratio Lower Upper
142 100
127 0.0 43.1 64.7#
141 0.0 11.4 17.0#



#13
Acrolein
Concen: 0.790 ug/l
RT: 4.036 min Scan# 763
Delta R.T. -0.002 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 56 Resp: 500
Ion Ratio Lower Upper
56 100
55 98.8 57.4 86.0#

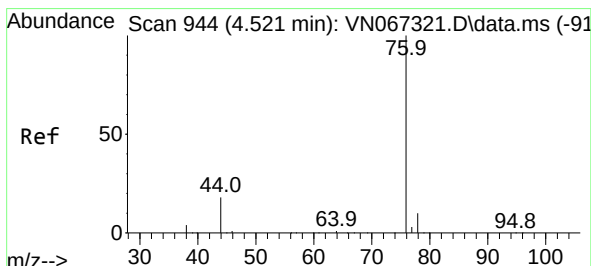
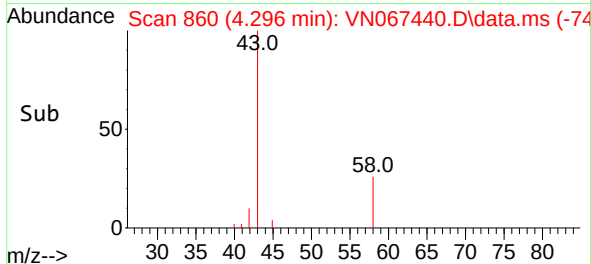
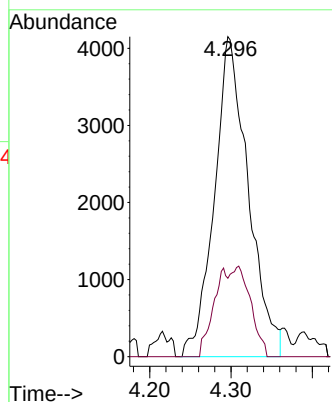
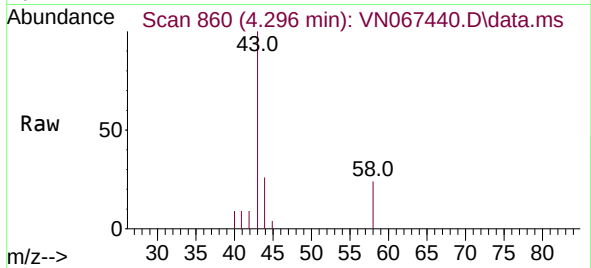




#16
Acetone
Concen: 5.087 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

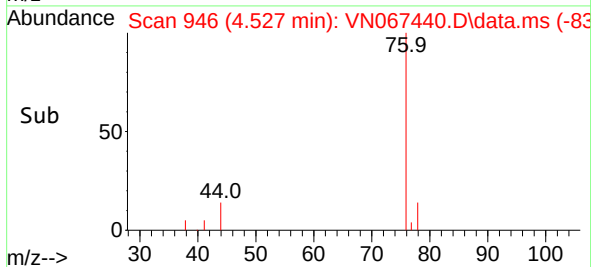
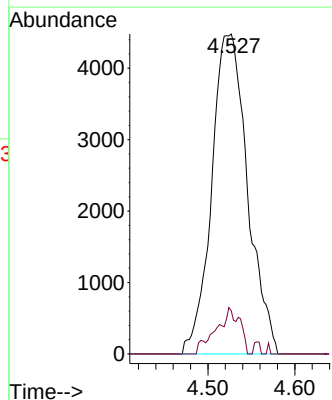
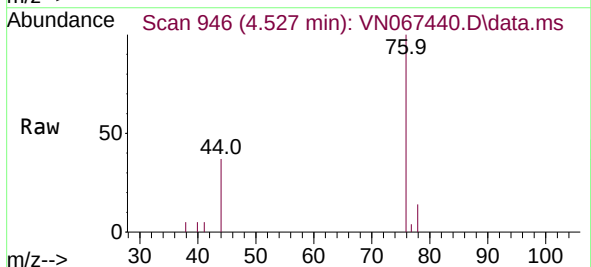
Instrument :
MSVOA_N
ClientSampleId :
B3GW

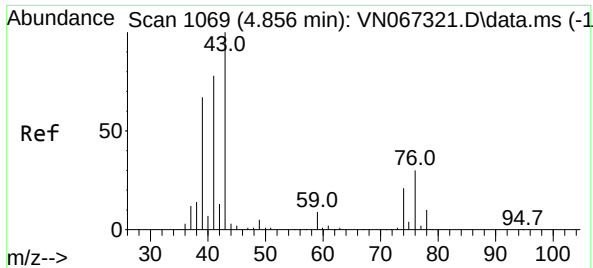
Tgt Ion: 43 Resp: 12025
Ion Ratio Lower Upper
43 100
58 24.5 21.2 31.8



#17
Carbon Disulfide
Concen: 1.062 ug/l
RT: 4.527 min Scan# 946
Delta R.T. 0.006 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 76 Resp: 12852
Ion Ratio Lower Upper
76 100
78 13.5 7.7 11.5#

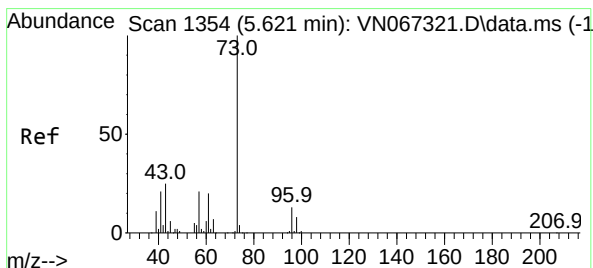
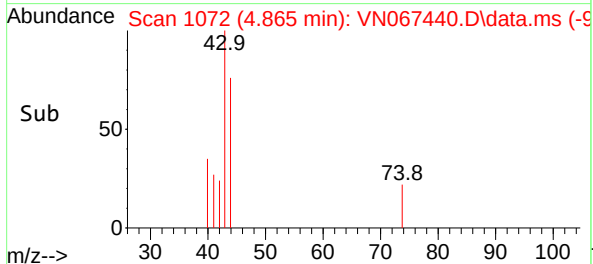
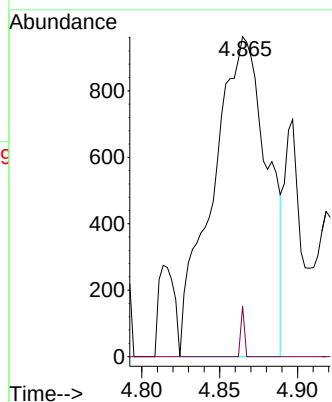
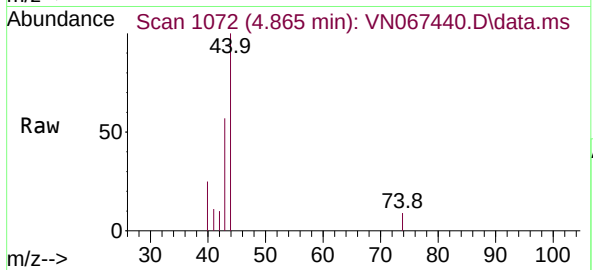




#18
Methyl Acetate
Concen: 0.411 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.009 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

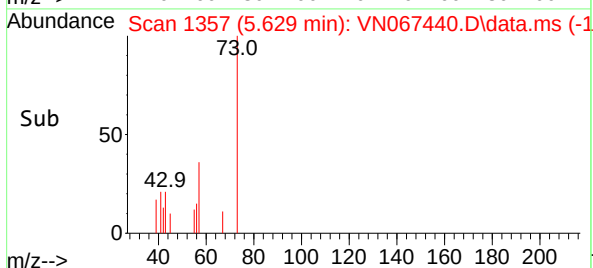
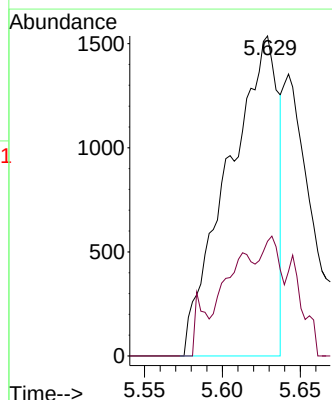
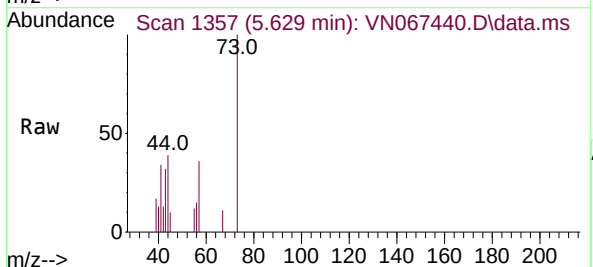
Instrument :
MSVOA_N
ClientSampled :
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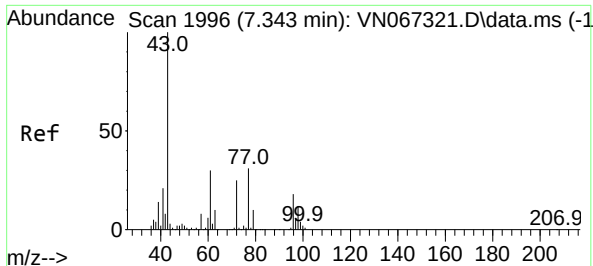
Tgt Ion: 43 Resp: 2355
Ion Ratio Lower Upper
43 100
74 1.0 17.4 26.0#



#19
Methyl tert-butyl Ether
Concen: 0.228 ug/l
RT: 5.629 min Scan# 1357
Delta R.T. 0.008 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 73 Resp: 3427
Ion Ratio Lower Upper
73 100
57 35.8 17.0 25.6#

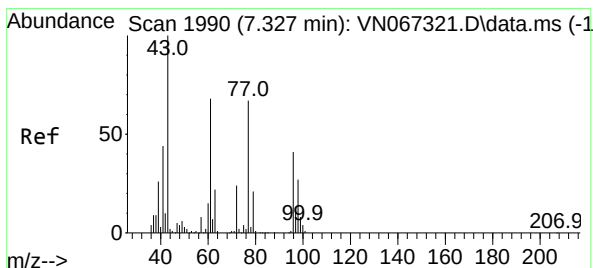
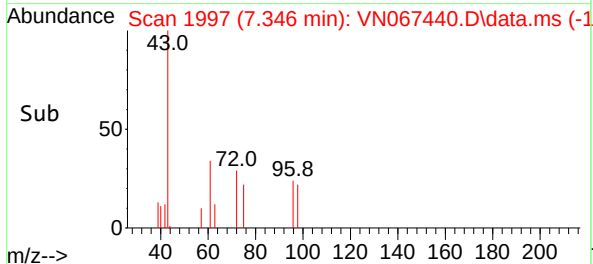
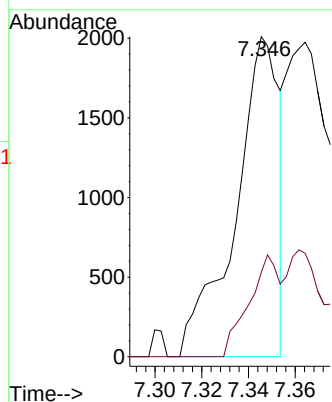
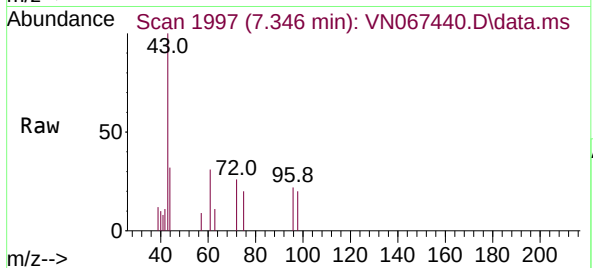




#25
2-Butanone
Concen: 0.766 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.003 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

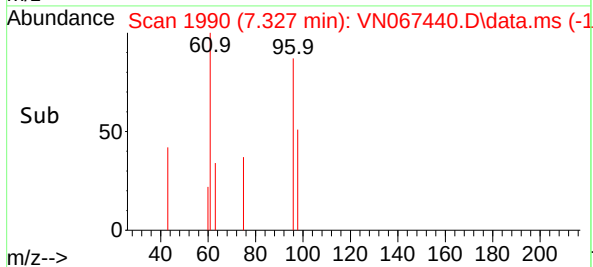
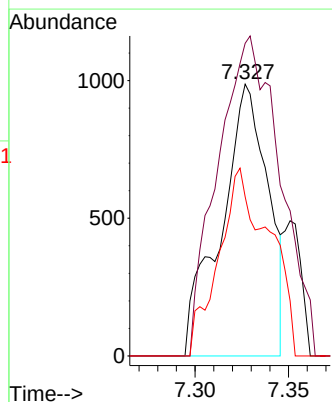
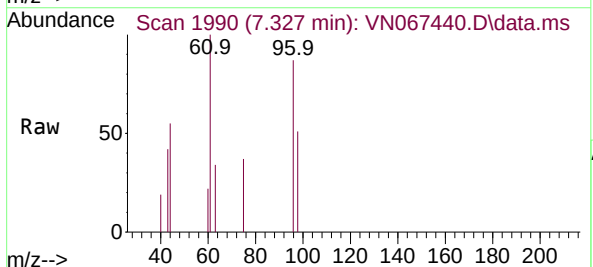
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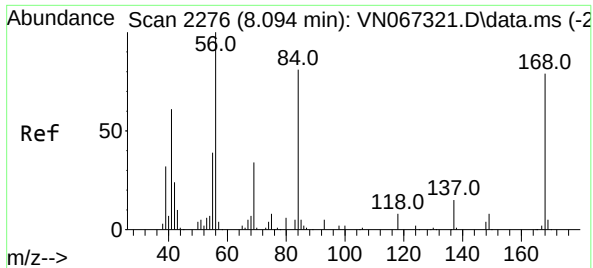
Tgt Ion: 43 Resp: 2588
Ion Ratio Lower Upper
43 100
72 26.4 19.7 29.5



#27
cis-1,2-Dichloroethene
Concen: 0.354 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 96 Resp: 1731
Ion Ratio Lower Upper
96 100
61 156.2 0.0 338.8
98 73.9 0.0 129.8

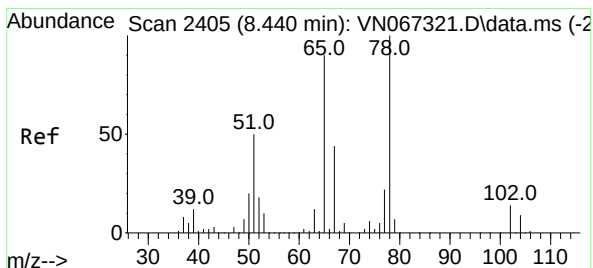
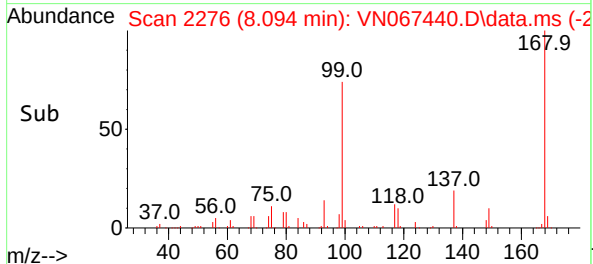
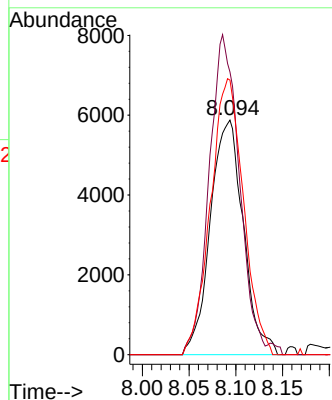
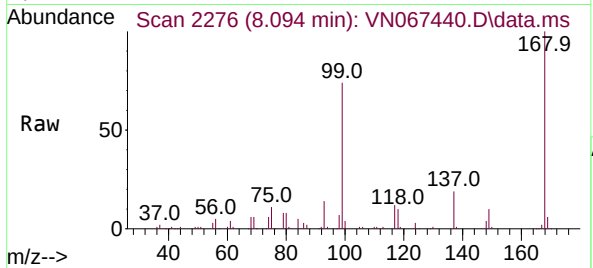




#31
Cyclohexane
Concen: 1.722 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

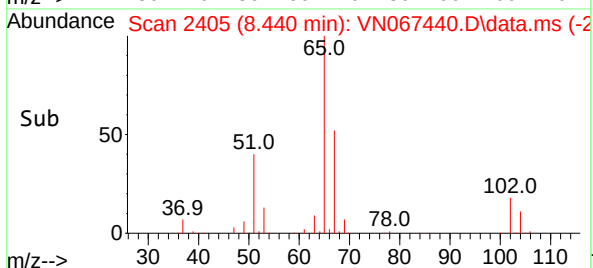
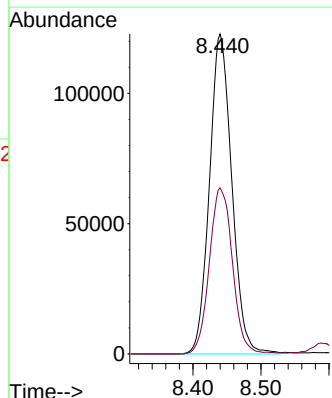
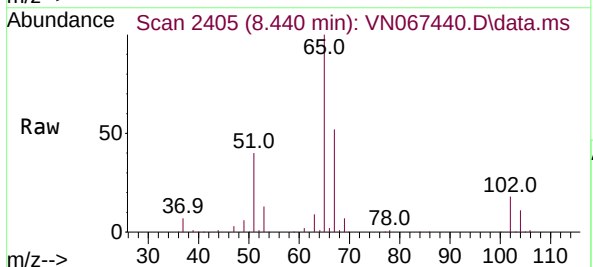
Instrument :
MSVOA_N
ClientSampled :
B3GW

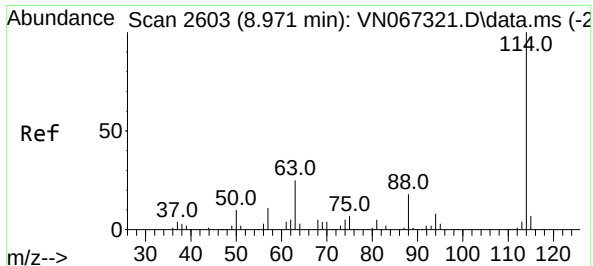
Tgt Ion:	56	Resp:	14417
Ion Ratio	Lower	Upper	
56	100		
69	120.5	27.3	40.9#
84	117.0	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 45.589 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion:	65	Resp:	280832
Ion Ratio	Lower	Upper	
65	100		
67	53.4	0.0	98.6

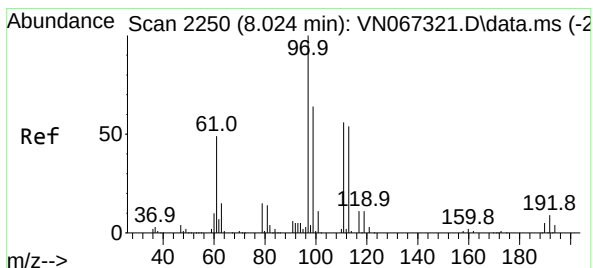
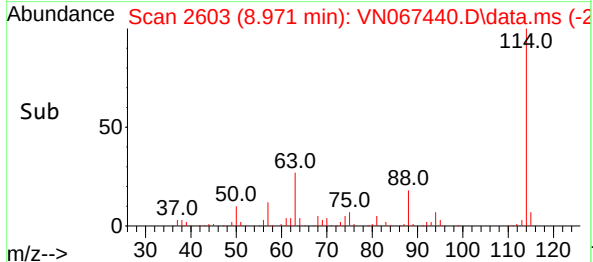
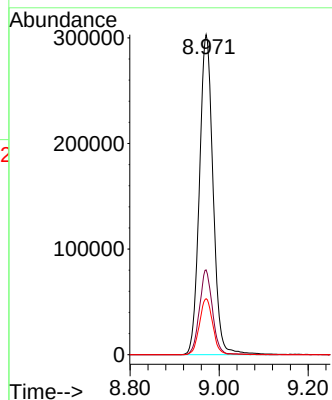
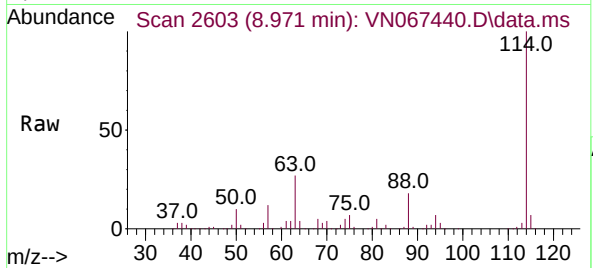




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

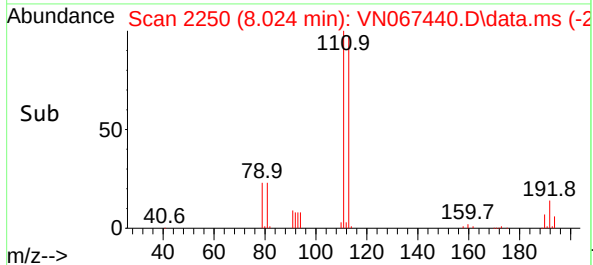
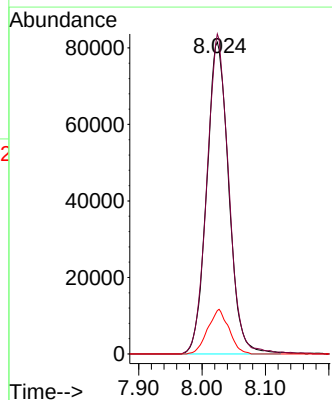
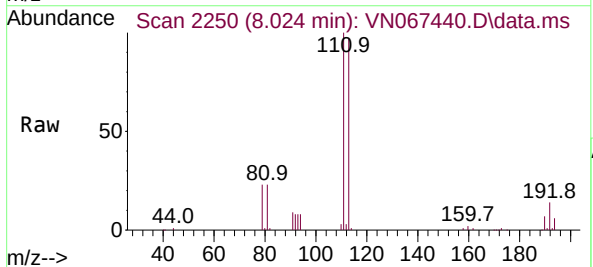
Instrument :
MSVOA_N
ClientSampled :
B3GW

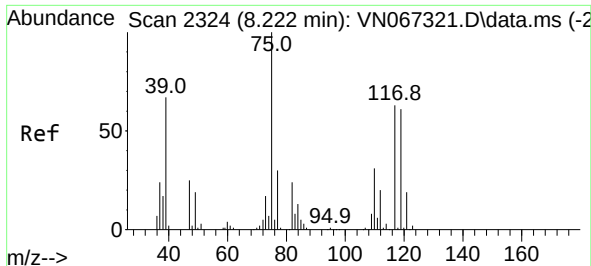
Tgt Ion:114 Resp: 645042
Ion Ratio Lower Upper
114 100
63 26.5 0.0 49.0
88 17.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.002 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion:113 Resp: 197352
Ion Ratio Lower Upper
113 100
111 100.9 83.8 125.8
192 13.7 13.4 20.0

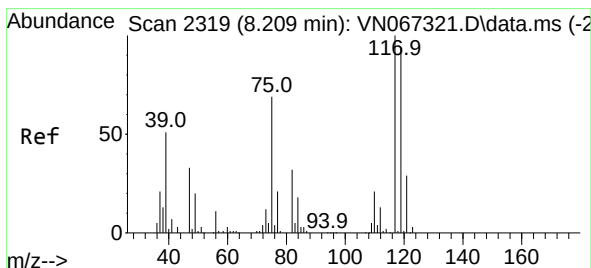
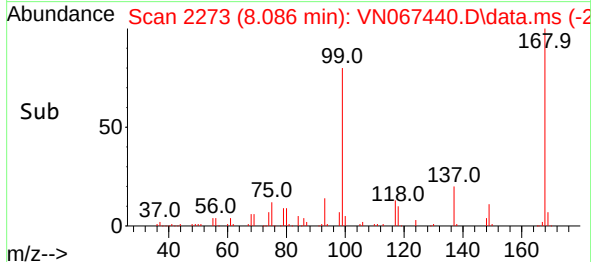
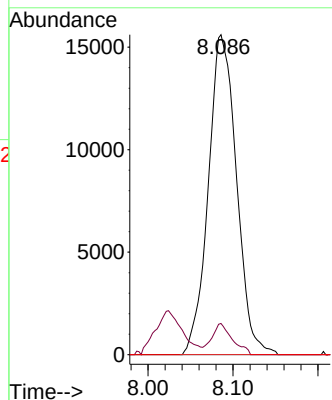
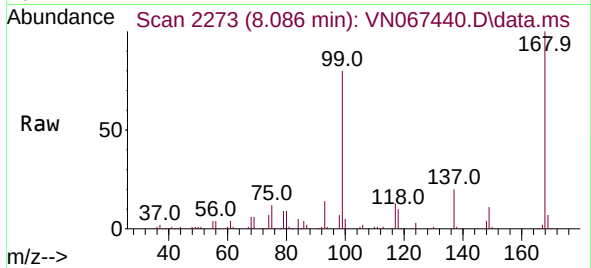




#36
1,1-Dichloropropene
Concen: 4.979 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.136 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

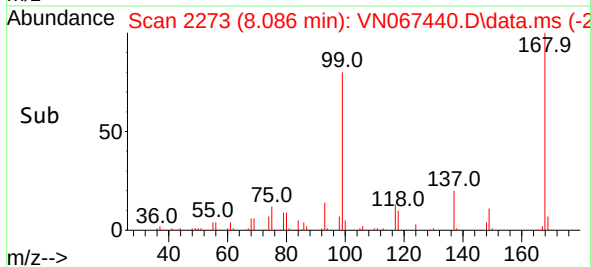
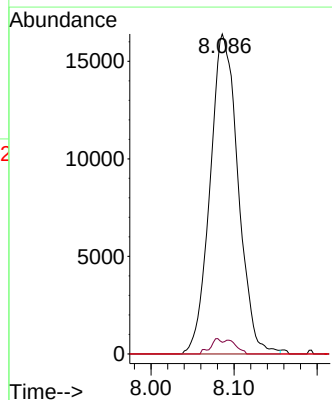
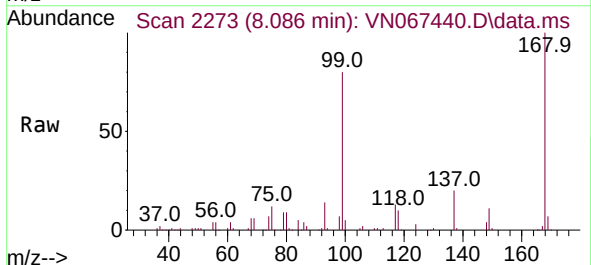
Instrument :
MSVOA_N
ClientSampled :
B3GW

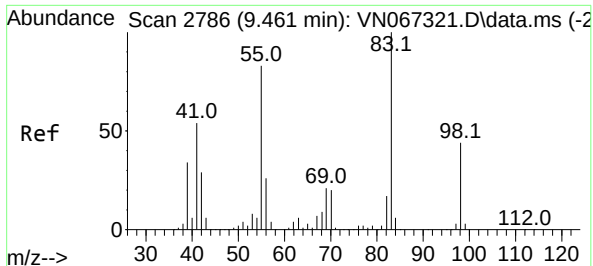
Tgt Ion: 75 Resp: 36006
Ion Ratio Lower Upper
75 100
110 7.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 4.946 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 117 Resp: 38445
Ion Ratio Lower Upper
117 100
119 3.7 75.4 113.2#
121 0.0 23.5 35.3#





#39

Methylcyclohexane

Concen: 0.592 ug/l

RT: 9.464 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VN067440.D

Acq: 22 Jun 2021 16:25

Tgt Ion: 83 Resp: 4530

Ion Ratio Lower Upper

83 100

55 89.5 66.6 99.8

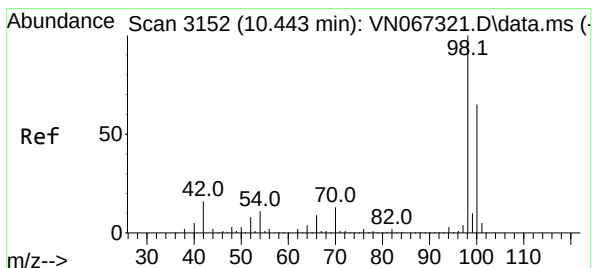
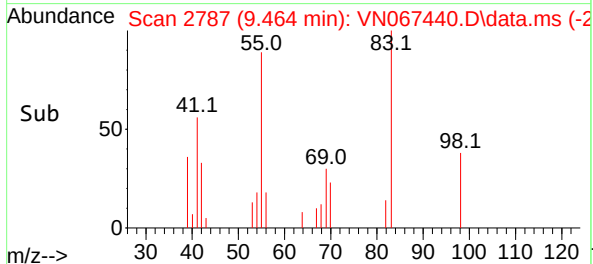
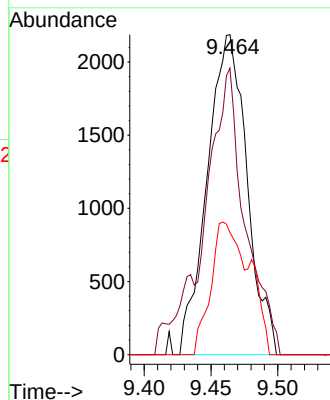
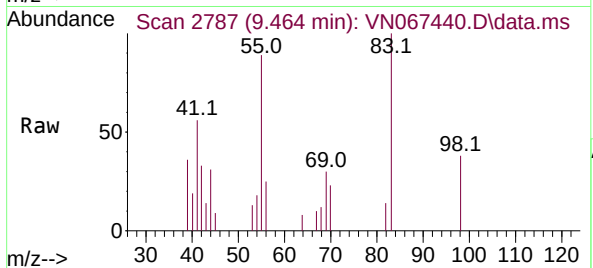
98 38.1 35.3 52.9

Instrument :

MSVOA_N

ClientSampleId :

B3GW



#50

Toluene-d8

Concen: 50.960 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN067440.D

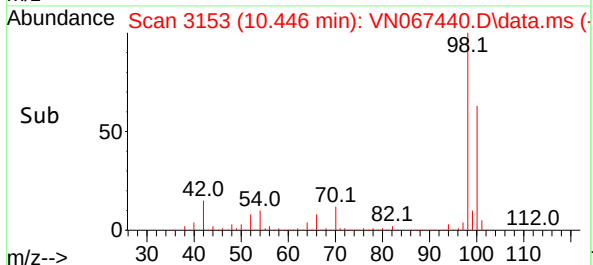
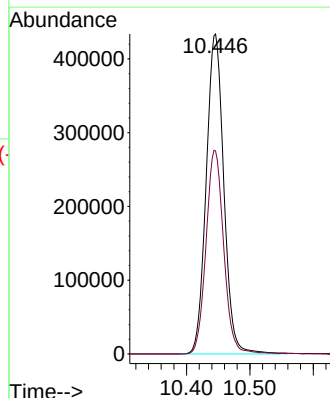
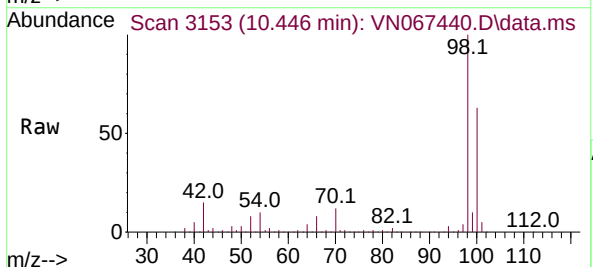
Acq: 22 Jun 2021 16:25

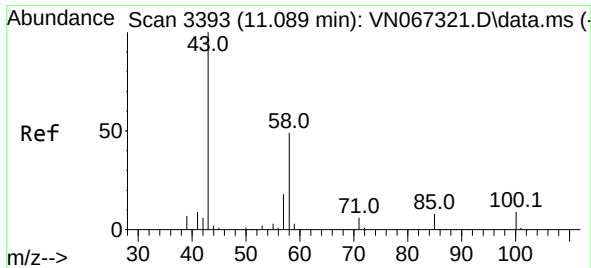
Tgt Ion: 98 Resp: 837930

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5

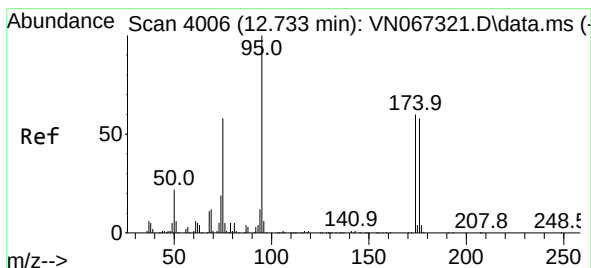
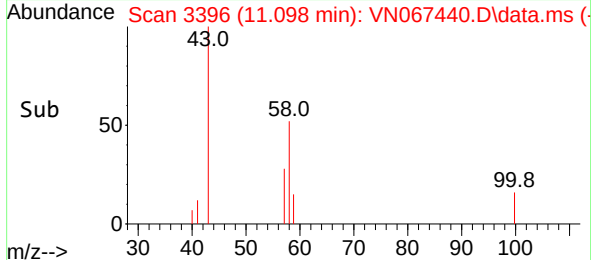
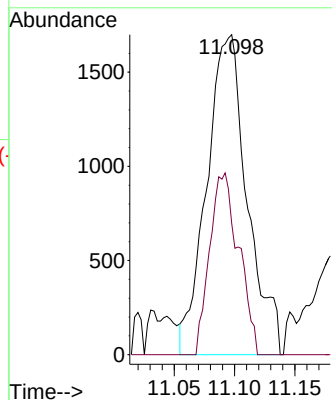
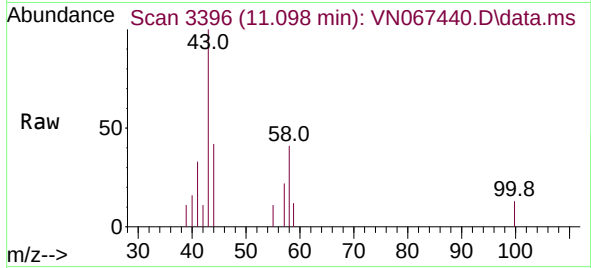




#59
2-Hexanone
Concen: 0.684 ug/l
RT: 11.098 min Scan# 3396
Delta R.T. 0.009 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

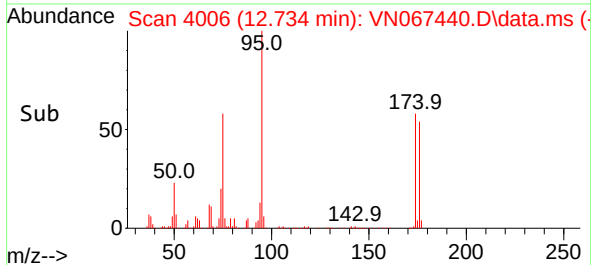
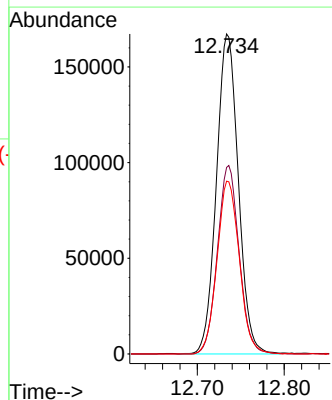
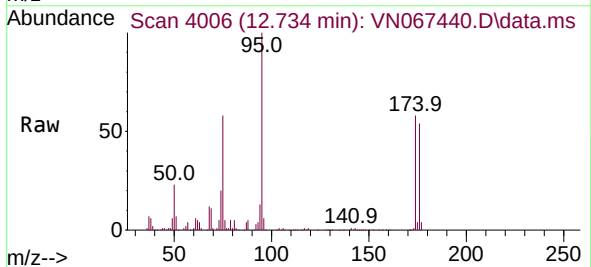
Instrument :
MSVOA_N
ClientSampled :
B3GW

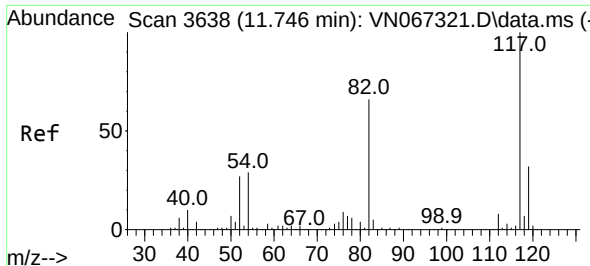
Tgt Ion: 43 Resp: 3965
Ion Ratio Lower Upper
43 100
58 40.7 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 43.215 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 95 Resp: 293250
Ion Ratio Lower Upper
95 100
174 58.2 0.0 122.0
176 55.0 0.0 117.6

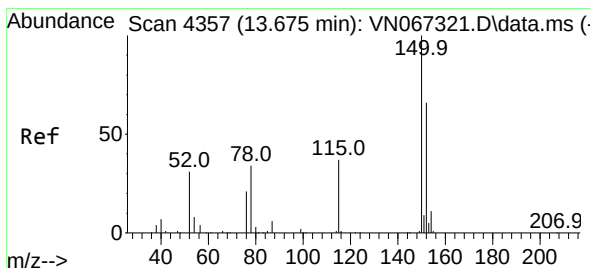
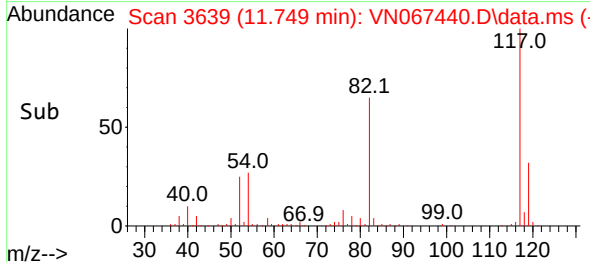
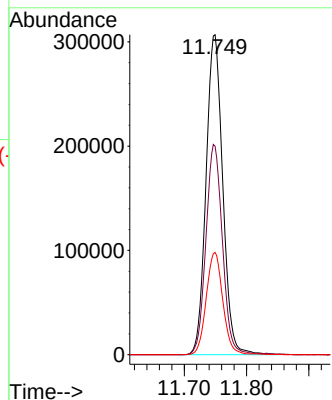
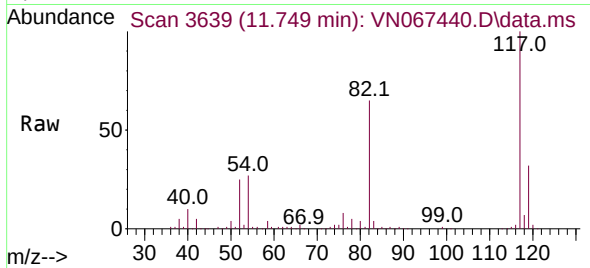




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

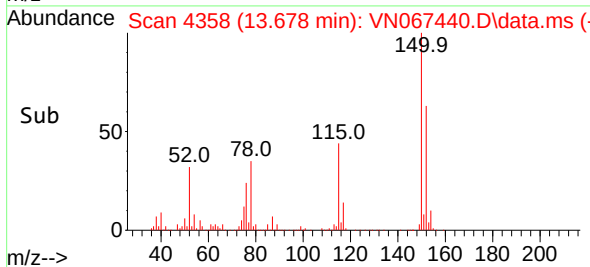
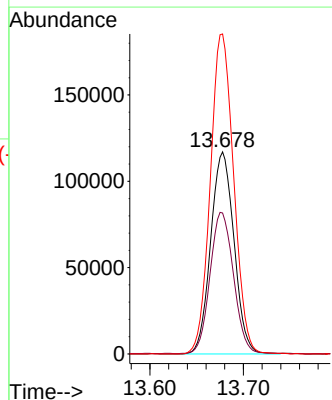
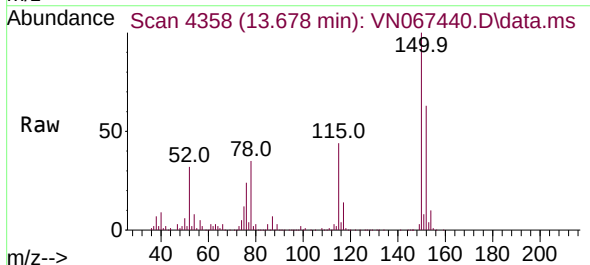
Instrument :
MSVOA_N
ClientSampleId :
B3GW

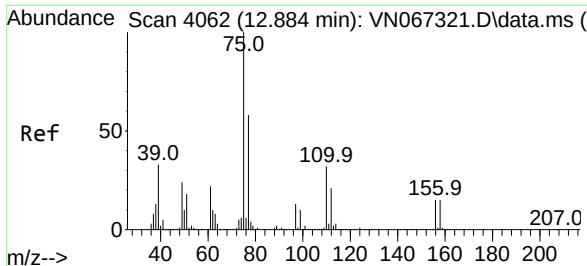
Tgt Ion:117 Resp: 571890
Ion Ratio Lower Upper
117 100
82 65.1 53.1 79.7
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion:152 Resp: 203335
Ion Ratio Lower Upper
152 100
115 70.3 36.1 108.5
150 158.4 0.0 351.8

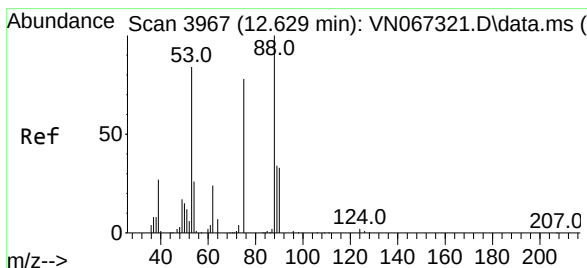
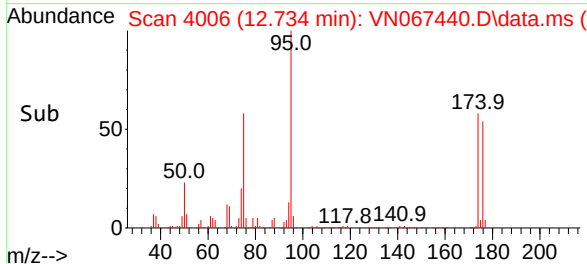
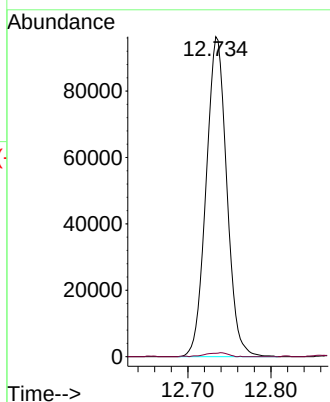
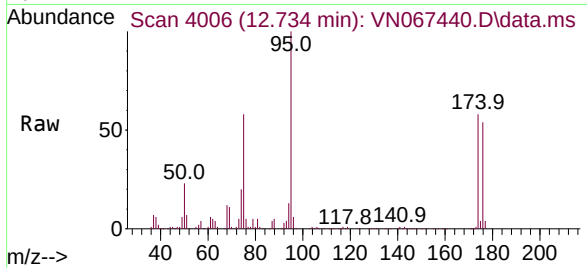




#76
1,2,3-Trichloropropane
Concen: 31.441 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

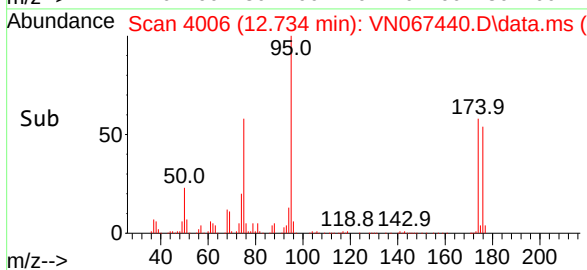
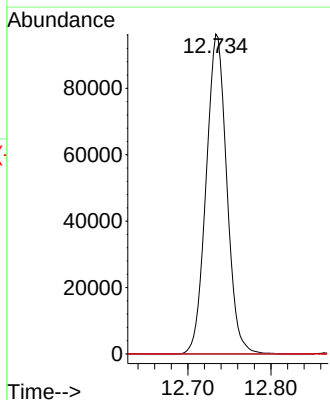
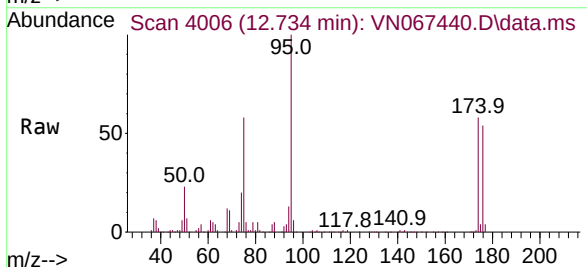
Instrument :
MSVOA_N
ClientSampleId :
B3GW

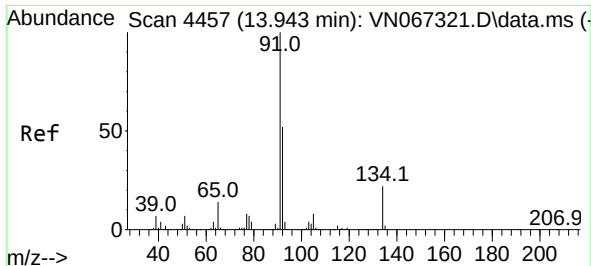
Tgt Ion: 75 Resp: 166015
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.920 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 75 Resp: 166015
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

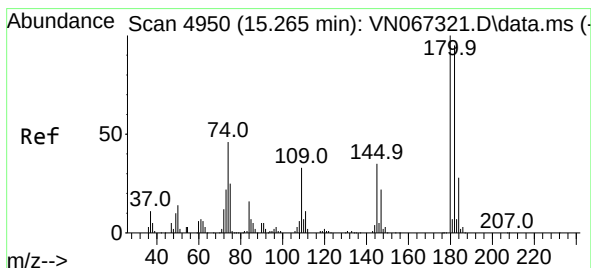
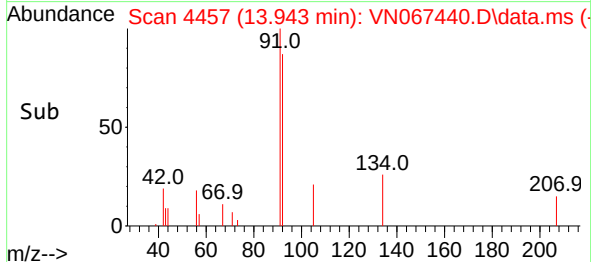
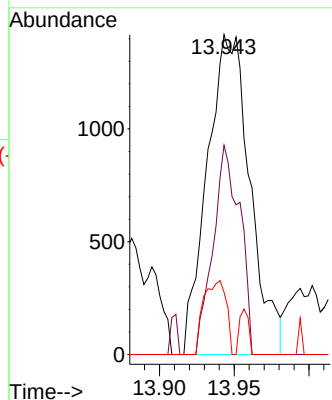
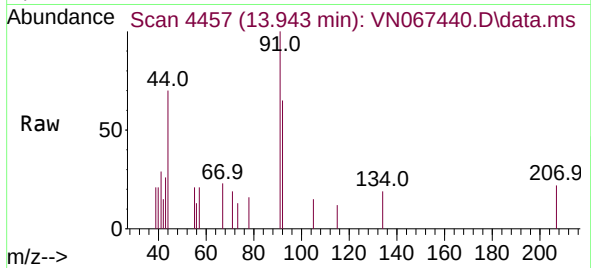




#89
n-Butylbenzene
Concen: 0.201 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

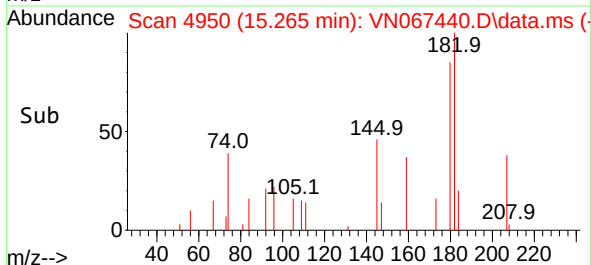
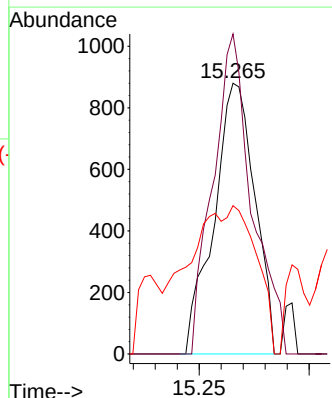
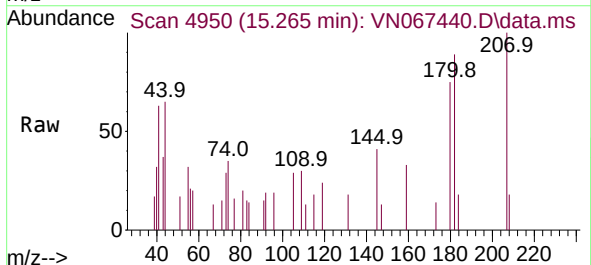
Instrument :
MSVOA_N
ClientSampled :
B3GW

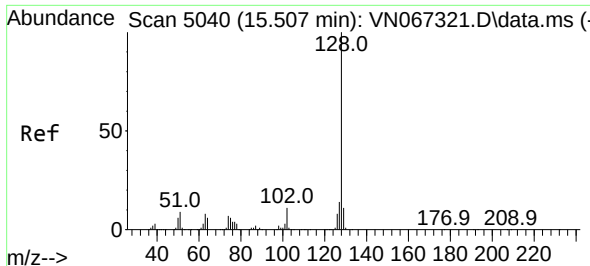
Tgt Ion: 91	Resp:	2824
Ion	Ratio	Lower Upper
91	100	
92	40.9	25.7 77.1
134	12.2	11.2 33.6



#93
1,2,4-Trichlorobenzene
Concen: 0.320 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion: 180	Resp:	1137
Ion	Ratio	Lower Upper
180	100	
182	112.8	47.5 142.5
145	20.9	17.2 51.6

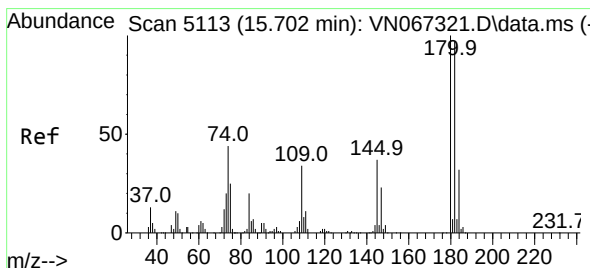
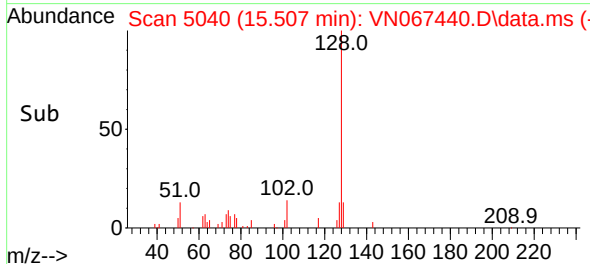
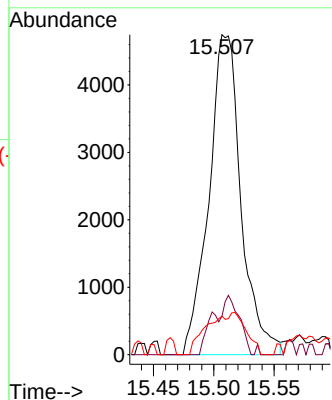
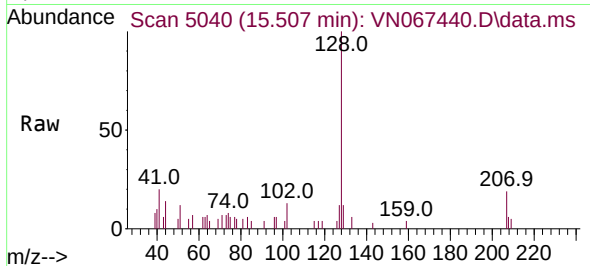




#95
Naphthalene
Concen: 3.283 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Instrument :
MSVOA_N
ClientSampled :
B3GW

Tgt Ion:	128	Resp:	8809
Ion Ratio	Lower	Upper	
128	100		
127	9.6	10.6	15.8#
129	8.4	8.6	12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.307 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN067440.D
Acq: 22 Jun 2021 16:25

Tgt Ion:	180	Resp:	1046
Ion Ratio	Lower	Upper	
180	100		
182	115.7	47.8	143.3
145	43.5	18.2	54.6

