

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072667.D
 Acq On : 06 Jun 2022 16:55
 Operator : JC\MD
 Sample : N3123-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Jun 07 06:27:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

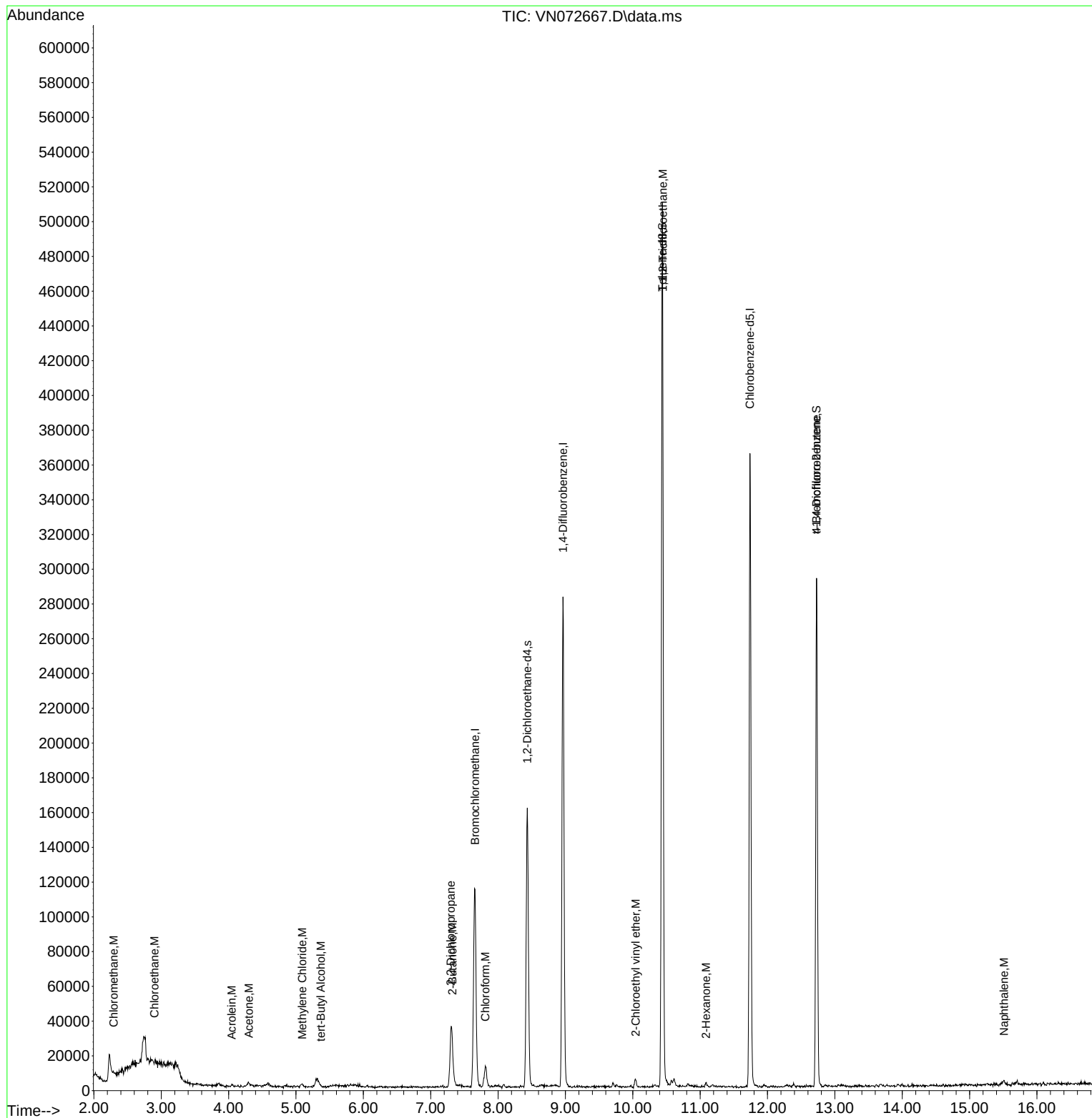
Internal Standards						
1) Bromochloromethane	7.657	128	37968	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	232729	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	199205	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	137306	31.709	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.700%
60) 4-Bromofluorobenzene	12.727	95	103462	25.252	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	84.167%
63) Toluene-d8	10.439	98	342323	31.021	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	1083	0.350	ug/l #	40
6) Chloroethane	2.899	64	413	0.222	ug/l	91
13) Acrolein	4.046	56	209	0.461	ug/l #	1
15) Acetone	4.298	58	1114	1.950	ug/l #	16
18) Methylene Chloride	5.093	84	679	0.216	ug/l #	58
23) tert-Butyl Alcohol	5.369	59	411	0.419	ug/l #	100
25) Chloroform	7.810	83	9723	1.587	ug/l	90
30) 2-Butanone	7.322	43	3818	1.189	ug/l #	64
31) 2,2-Dichloropropane	7.298	77	1429	0.238	ug/l #	53
50) 1,1,2-Trichloroethane	10.445	97	10087	2.882	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.045	63	2289	0.922	ug/l #	85
59) 2-Hexanone	11.086	43	2022	0.446	ug/l #	92
77) t-1,4-Dichloro-2-butene	12.727	75	60127	32.028	ug/l #	9
91) Naphthalene	15.509	128	3126	0.293	ug/l #	72

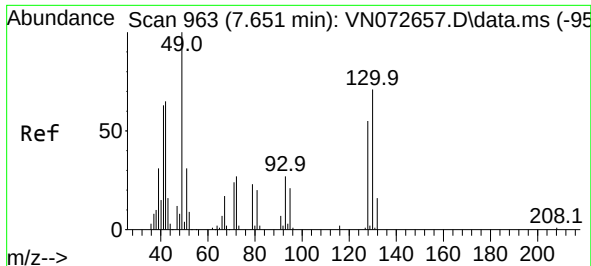
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
Data File : VN072667.D
Acq On : 06 Jun 2022 16:55
Operator : JC\MD
Sample : N3123-01 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Quant Time: Jun 07 06:27:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 06 14:10:15 2022
Response via : Initial Calibration

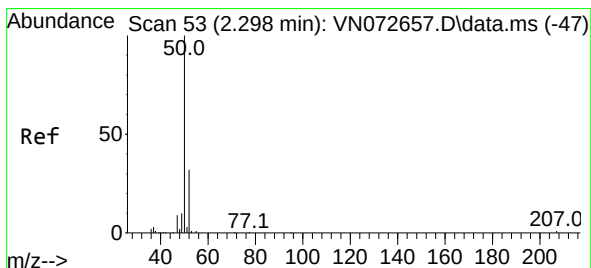
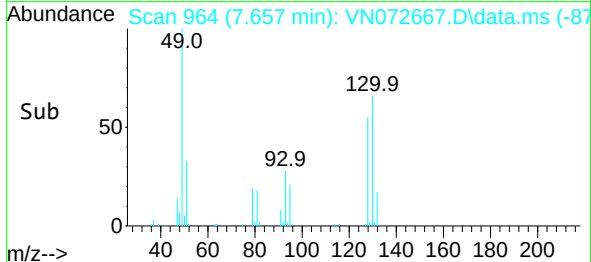
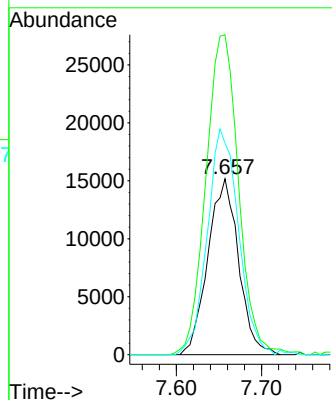
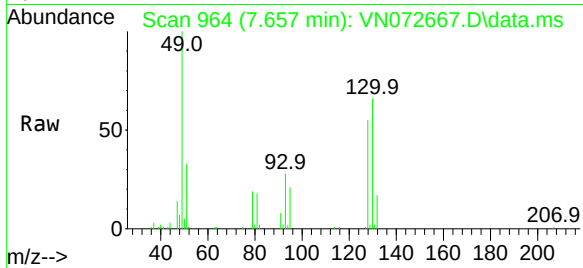




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

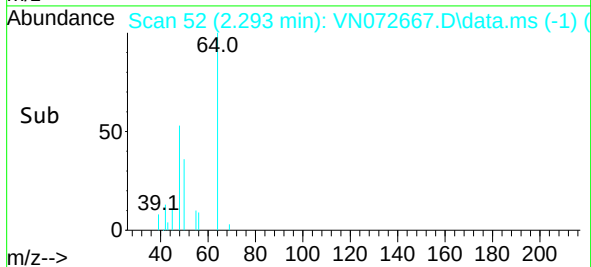
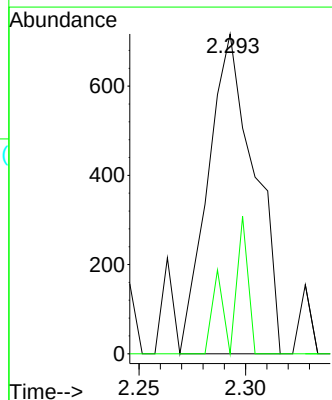
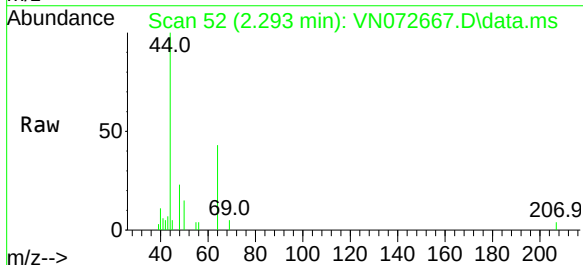
Instrument :
MSVOA_N
ClientSampleId :
14B-1

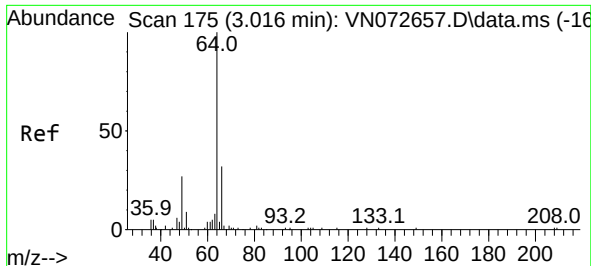
Tgt Ion:128 Resp: 37968
Ion Ratio Lower Upper
128 100
49 192.2 0.0 392.3
130 130.6 0.0 320.2



#3
Chloromethane
Concen: 0.350 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 50 Resp: 1083
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

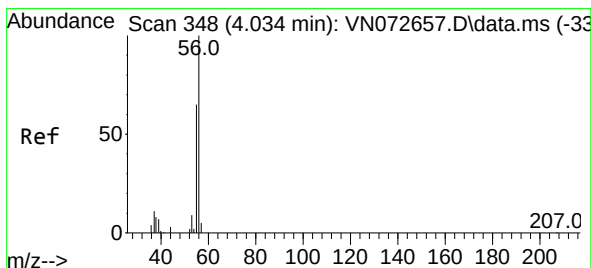
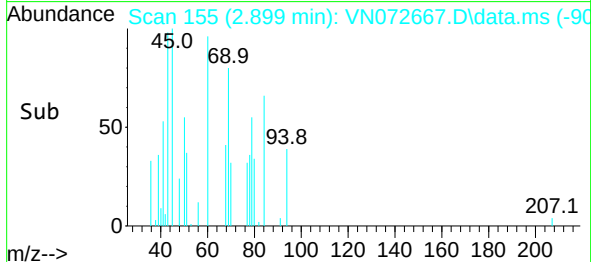
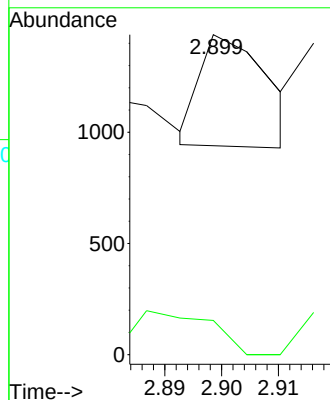
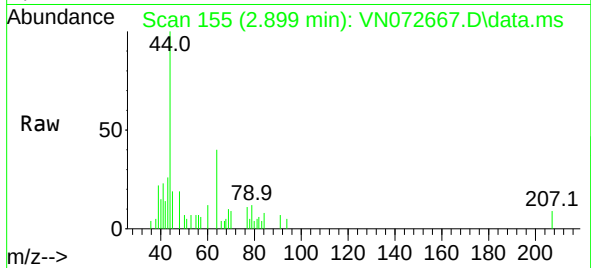




#6
Chloroethane
Concen: 0.222 ug/l
RT: 2.899 min Scan# 11
Delta R.T. -0.118 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

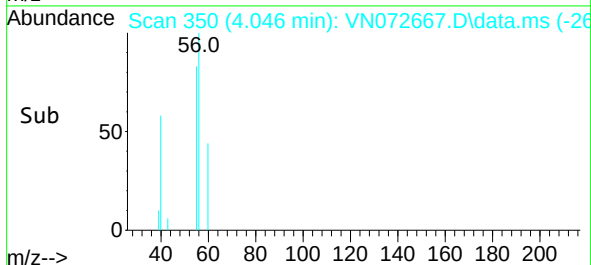
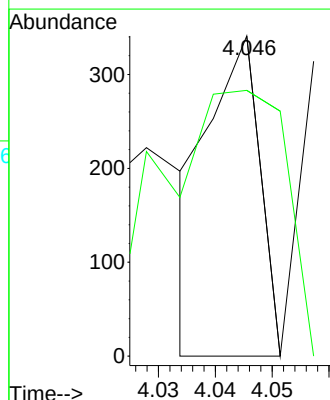
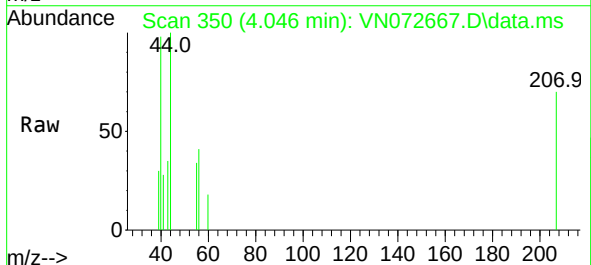
Instrument :
MSVOA_N
ClientSampleId :
14B-1

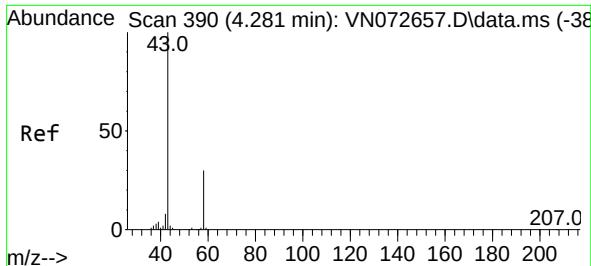
Tgt Ion: 64 Resp: 413
Ion Ratio Lower Upper
64 100
66 35.4 24.6 36.8



#13
Acrolein
Concen: 0.461 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.012 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 204.3 57.6 86.4#

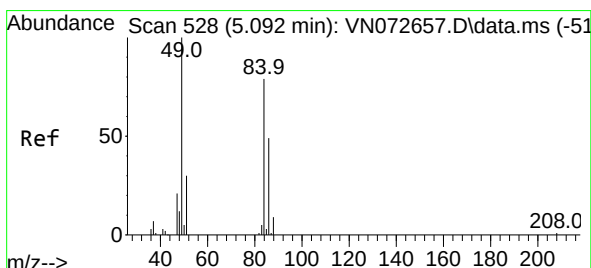
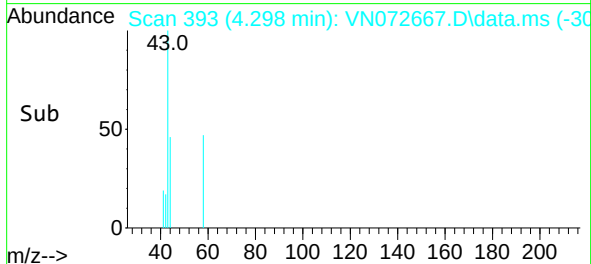
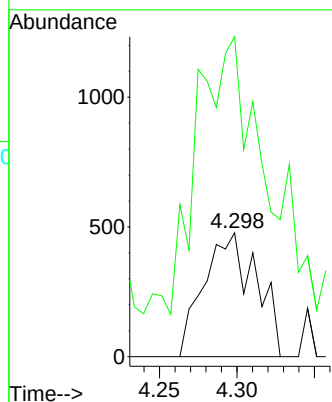
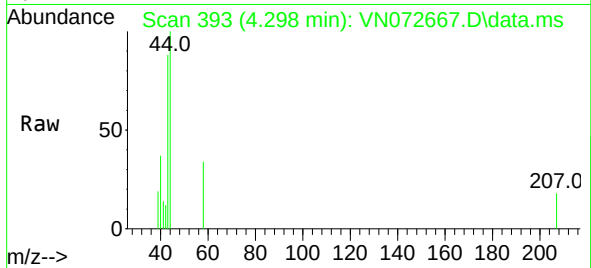




#15
Acetone
Concen: 1.950 ug/l
RT: 4.298 min Scan# 390
Delta R.T. 0.018 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

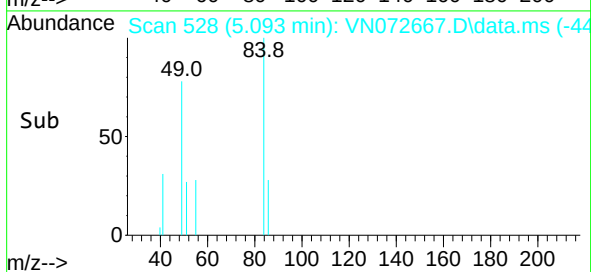
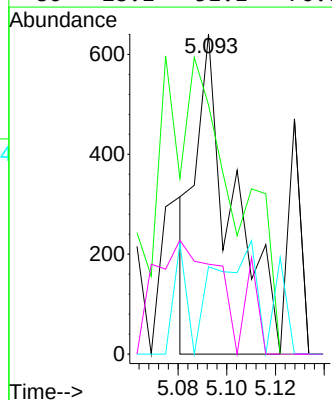
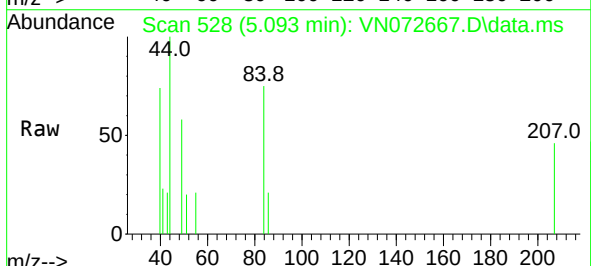
Instrument :
MSVOA_N
ClientSampleId :
14B-1

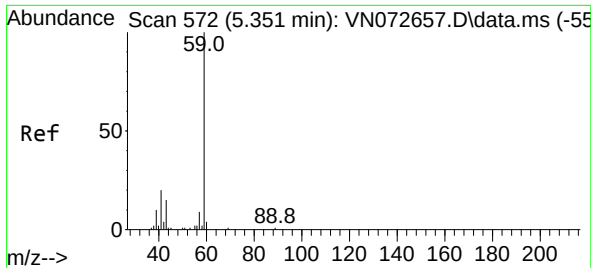
Tgt Ion: 58 Resp: 1114
Ion Ratio Lower Upper
58 100
43 147.8 256.6 384.8#



#18
Methylene Chloride
Concen: 0.216 ug/l
RT: 5.093 min Scan# 528
Delta R.T. 0.000 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 84 Resp: 679
Ion Ratio Lower Upper
84 100
49 77.8 91.4 137.0#
51 0.0 29.4 44.0#
86 28.1 51.1 76.7#

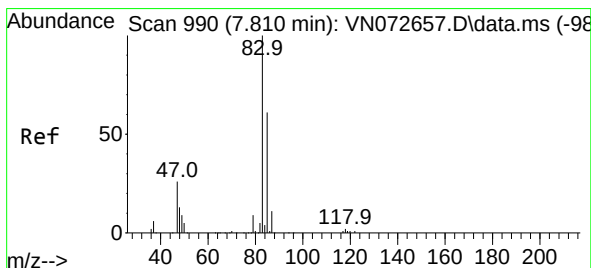
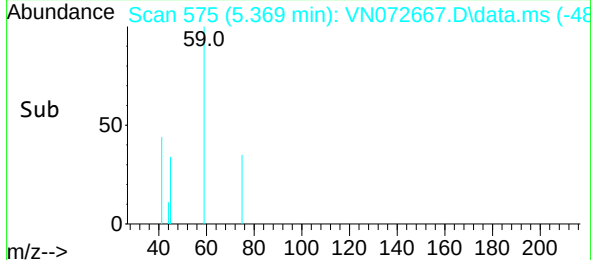
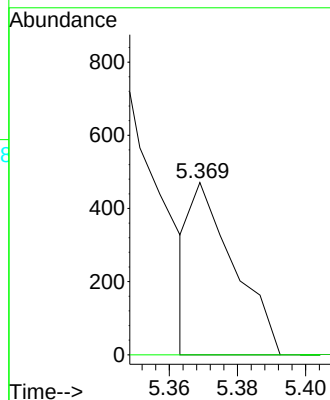
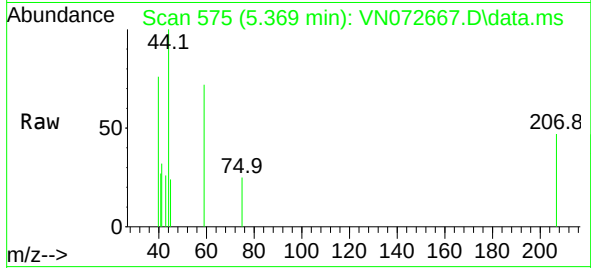




#23
tert-Butyl Alcohol
Concen: 0.419 ug/l
RT: 5.369 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

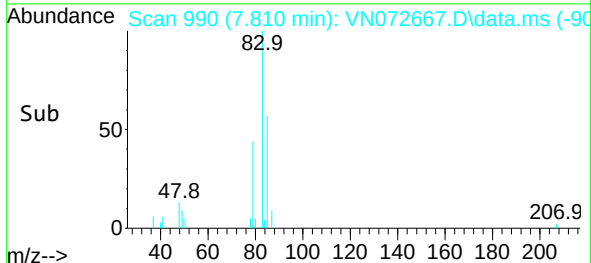
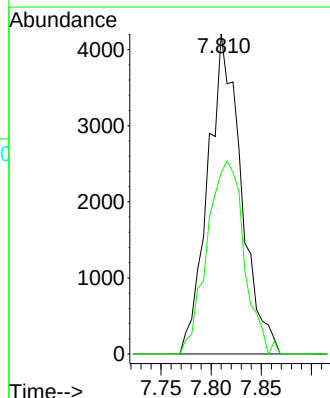
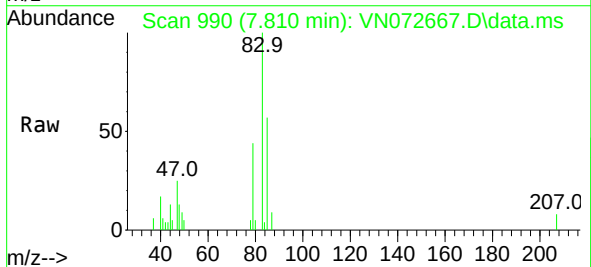
Instrument :
MSVOA_N
ClientSampleId :
14B-1

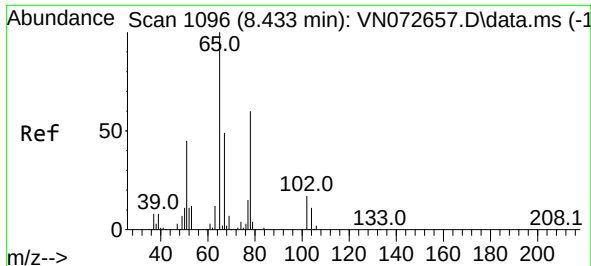
Tgt Ion: 59 Resp: 411
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 1.587 ug/l
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 83 Resp: 9723
Ion Ratio Lower Upper
83 100
85 56.7 51.3 76.9

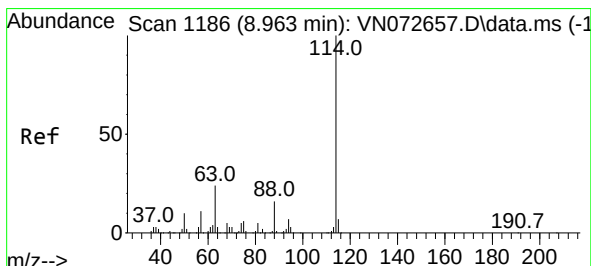
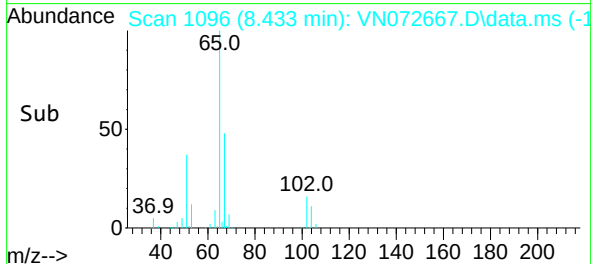
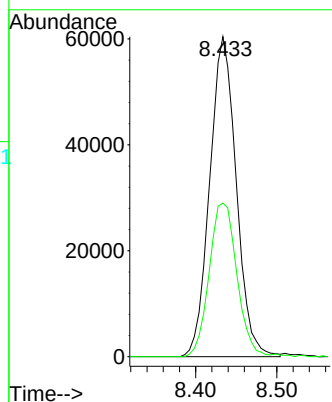
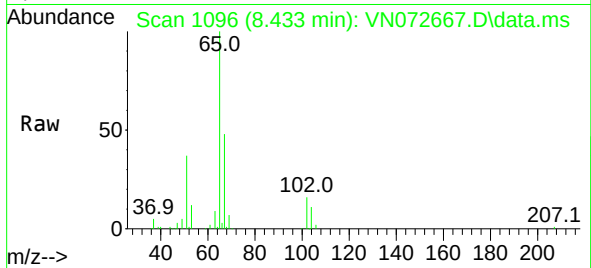




#27
1,2-Dichloroethane-d4
Concen: 31.709 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

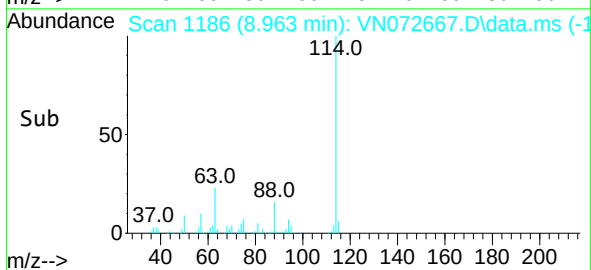
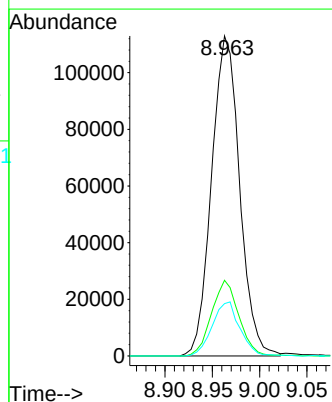
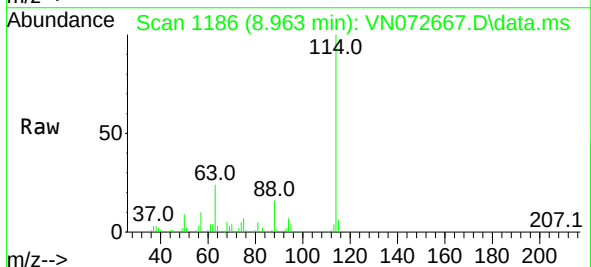
Instrument :
MSVOA_N
ClientSampleId :
14B-1

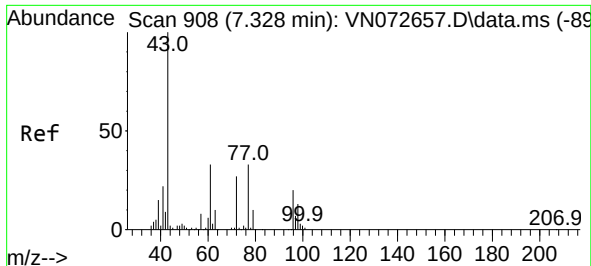
Tgt Ion: 65 Resp: 137306
Ion Ratio Lower Upper
65 100
67 49.9 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 114 Resp: 232729
Ion Ratio Lower Upper
114 100
63 22.9 15.8 23.6
88 16.5 11.6 17.4

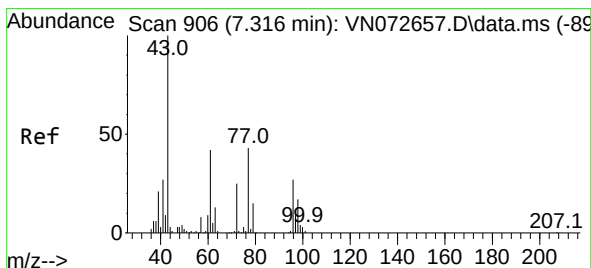
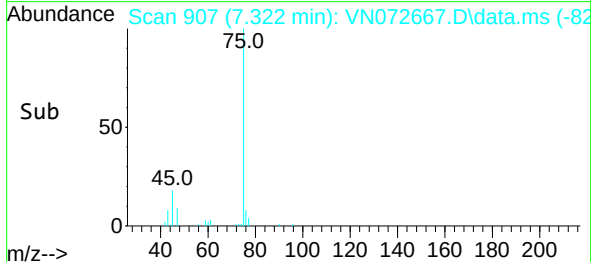
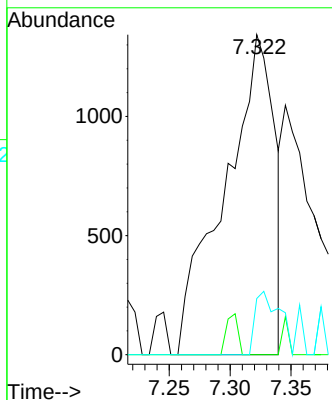
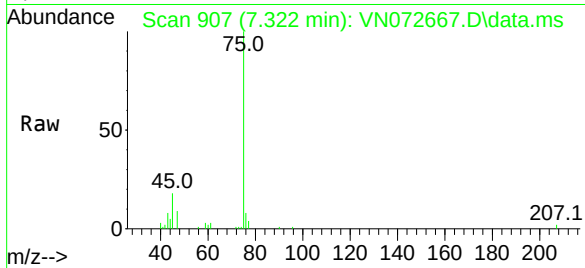




#30
2-Butanone
Concen: 1.189 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.006 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

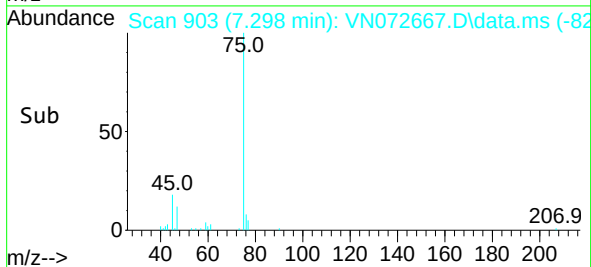
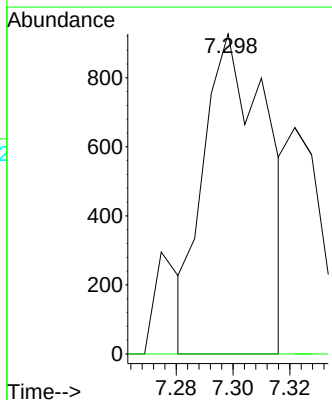
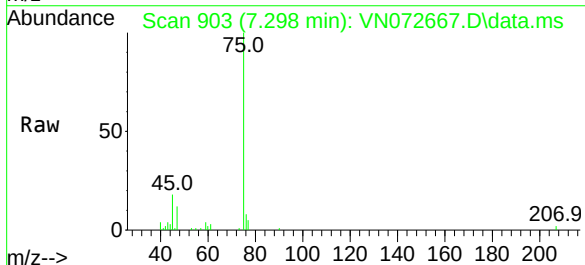
Instrument :
MSVOA_N
ClientSampleId :
14B-1

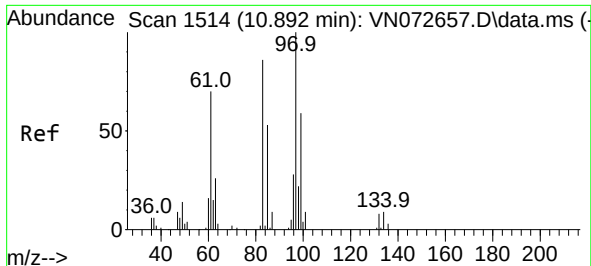
Tgt Ion: 43 Resp: 3818
Ion Ratio Lower Upper
43 100
57 3.0 6.7 10.1#
72 6.3 23.2 34.8#



#31
2,2-Dichloropropane
Concen: 0.238 ug/l
RT: 7.298 min Scan# 903
Delta R.T. -0.018 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 77 Resp: 1429
Ion Ratio Lower Upper
77 100
97 0.0 18.3 27.5#

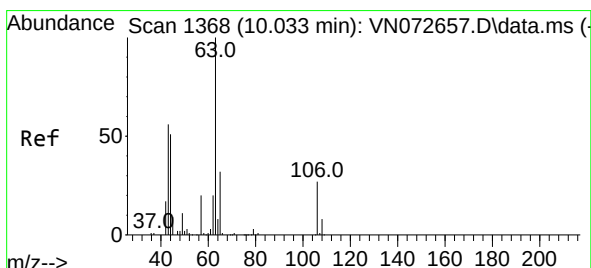
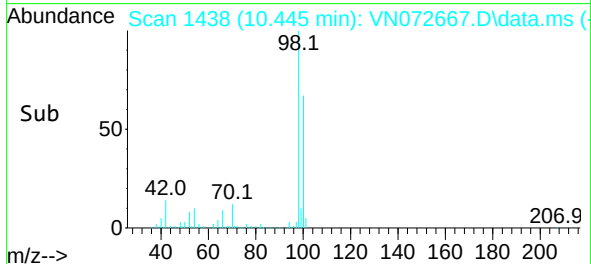
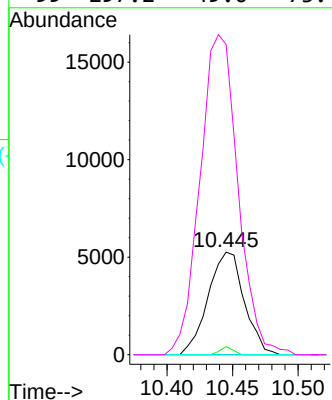
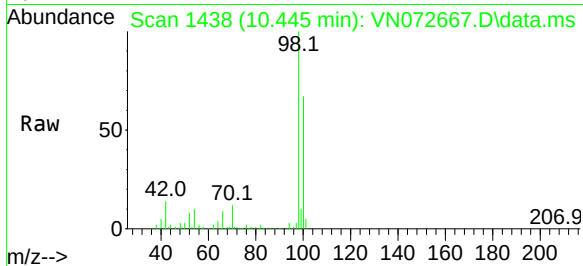




#50
1,1,2-Trichloroethane
Concen: 2.882 ug/l
RT: 10.445 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

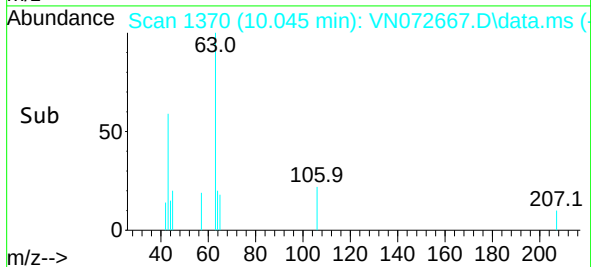
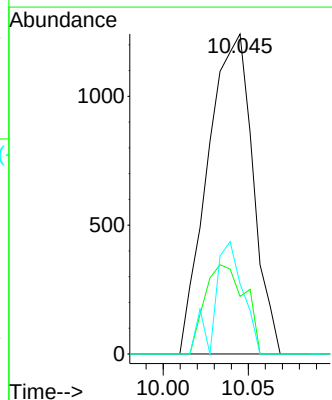
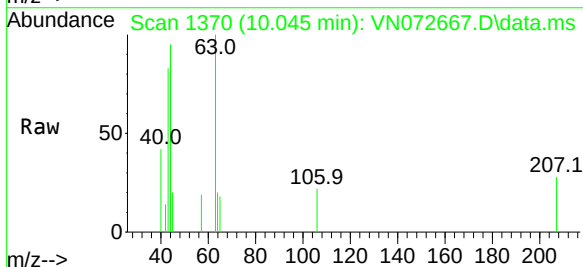
Instrument :
MSVOA_N
ClientSampleId :
14B-1

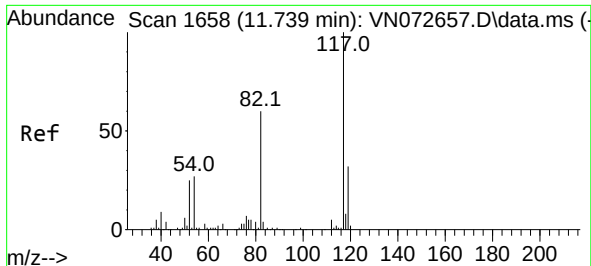
Tgt Ion: 97	Resp:	10087
Ion	Ratio	Lower Upper
97	100	
83	7.9	67.2 100.8#
85	0.0	43.0 64.4#
99	297.2	49.0 73.4#



#55
2-Chloroethyl vinyl ether
Concen: 0.922 ug/l
RT: 10.045 min Scan# 1370
Delta R.T. 0.012 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 63	Resp:	2289
Ion	Ratio	Lower Upper
63	100	
65	24.7	25.4 38.0#
106	19.4	23.2 34.8#

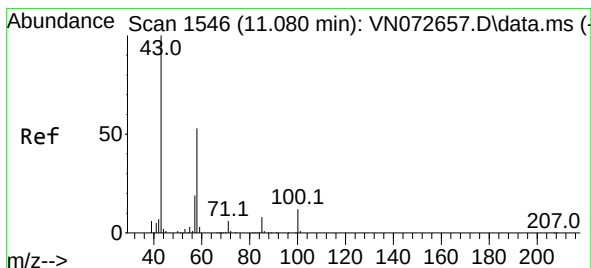
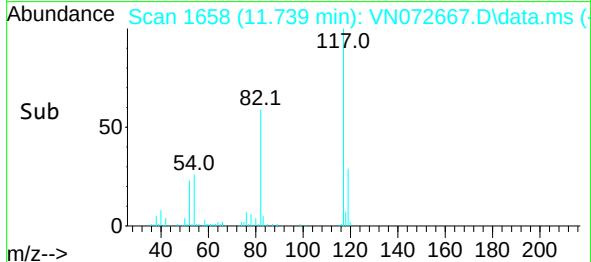
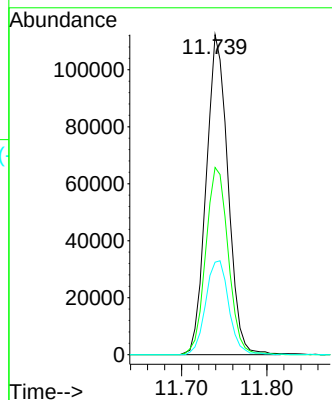
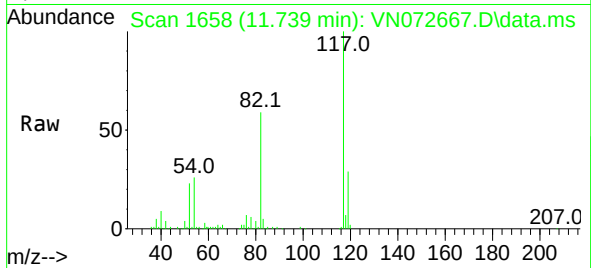




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

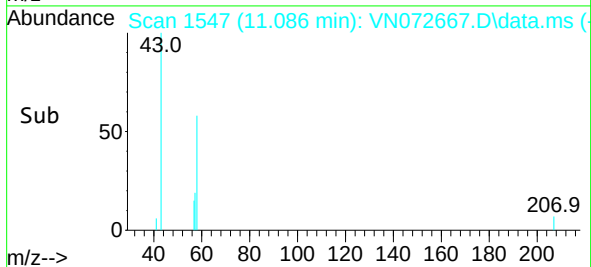
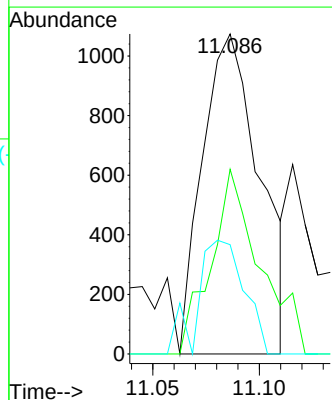
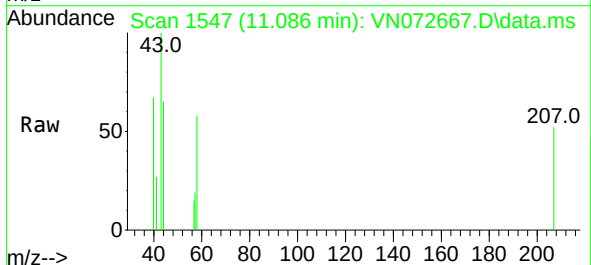
Instrument :
MSVOA_N
ClientSampleId :
14B-1

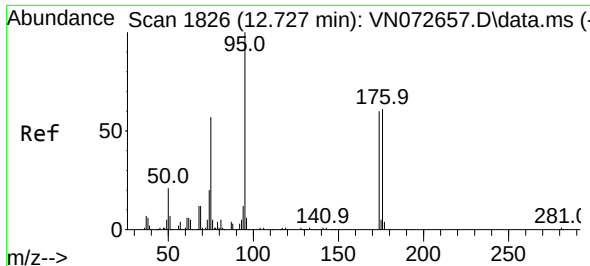
Tgt Ion:117 Resp: 199205
Ion Ratio Lower Upper
117 100
82 60.6 43.6 65.4
119 30.9 25.8 38.6



#59
2-Hexanone
Concen: 0.446 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 43 Resp: 2022
Ion Ratio Lower Upper
43 100
58 49.1 42.2 63.2
57 25.8 15.0 22.4#

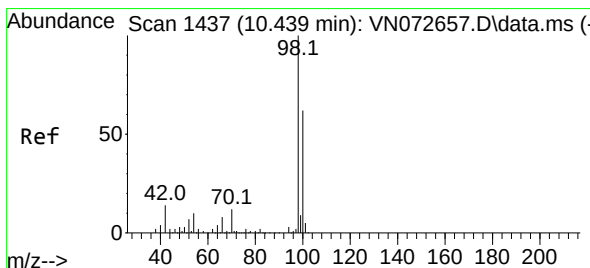
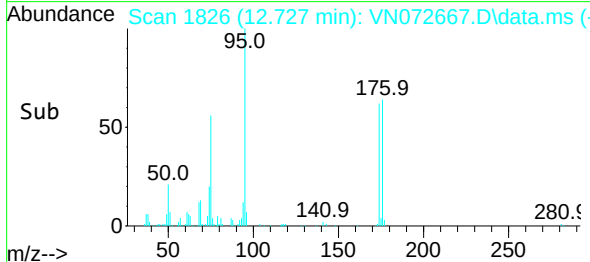
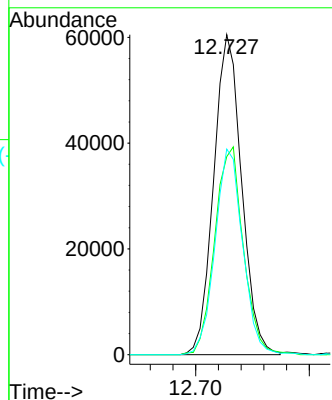
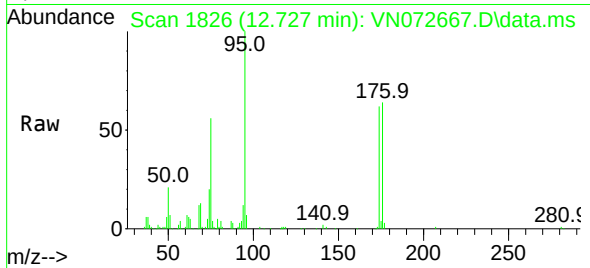




#60
4-Bromofluorobenzene
Concen: 25.252 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

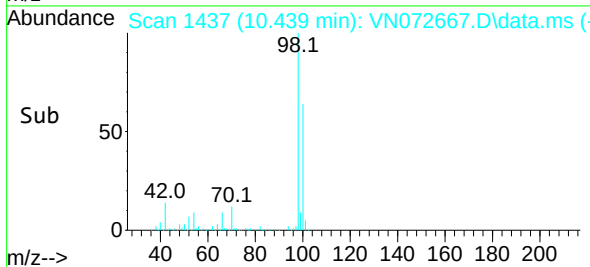
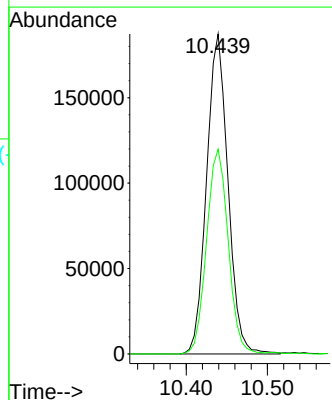
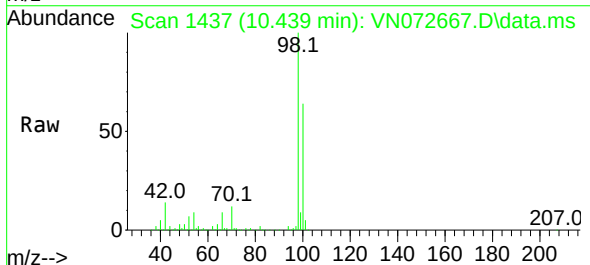
Instrument :
MSVOA_N
ClientSampleId :
14B-1

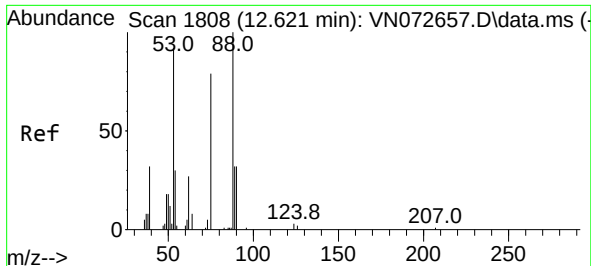
Tgt Ion: 95 Resp: 103462
Ion Ratio Lower Upper
95 100
174 66.5 62.9 94.3
176 63.4 61.0 91.4



#63
Toluene-d8
Concen: 31.021 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 98 Resp: 342323
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0

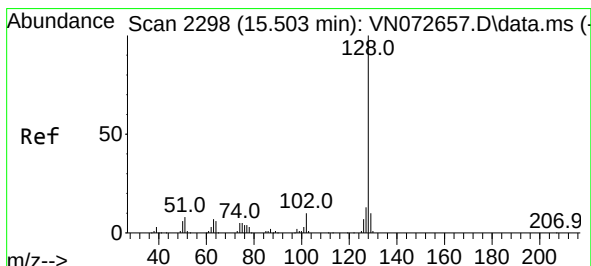
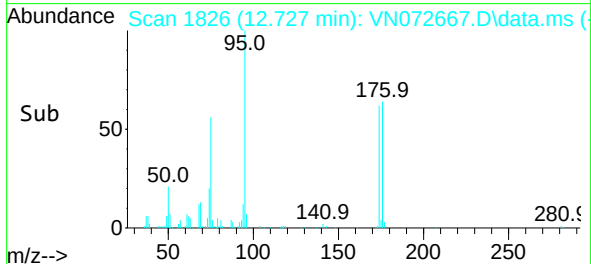
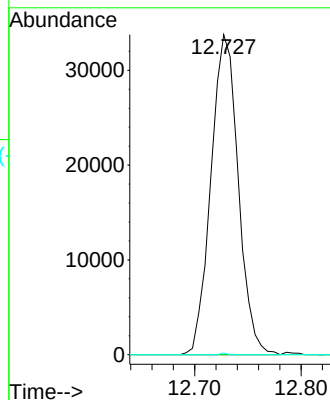
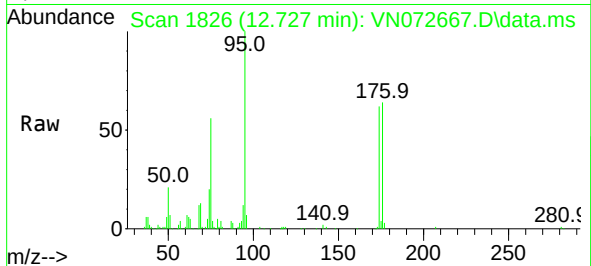




#77
t-1,4-Dichloro-2-butene
Concen: 32.028 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Tgt Ion: 75 Resp: 60127
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.6 22.9 68.7#



#91
Naphthalene
Concen: 0.293 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN072667.D
Acq: 06 Jun 2022 16:55

Tgt Ion: 128 Resp: 3126
Ion Ratio Lower Upper
128 100
127 2.9 10.7 16.1#
129 0.0 9.0 13.6#

