

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
 Data File : VN076459.D
 Acq On : 30 Jan 2023 16:05
 Operator : JC\MD
 Sample : PB150523ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 31 00:41:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

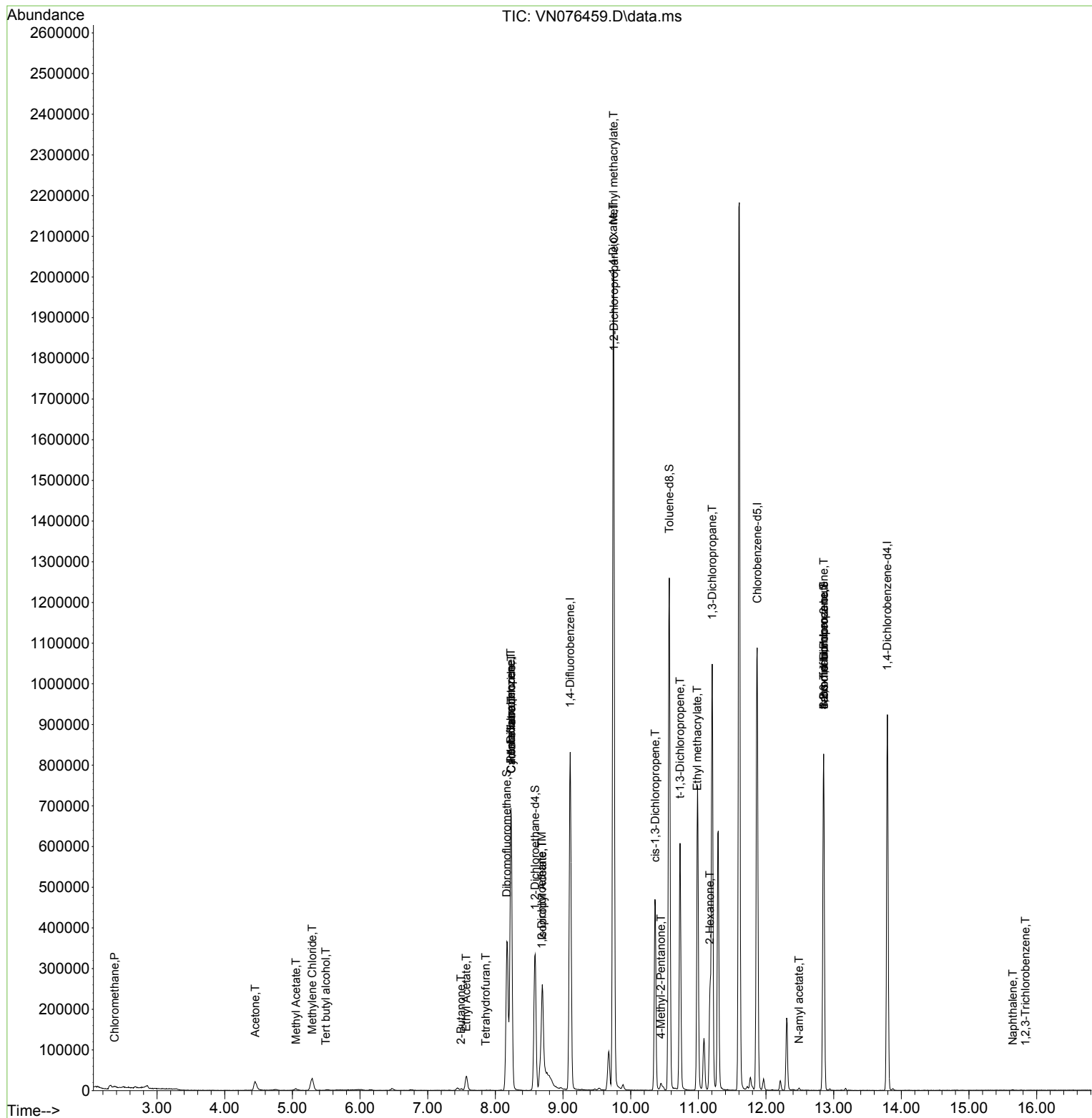
Internal Standards						
1) Pentafluorobenzene	8.229	168	505120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	735654	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	653294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	250146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	287389	50.814	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.620%	
35) Dibromofluoromethane	8.171	113	267010	58.023	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 116.040%	
50) Toluene-d8	10.570	98	867821	51.063	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.120%	
62) 4-Bromofluorobenzene	12.853	95	277167	49.957	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	1072	0.200	ug/l #	83
11) Tert butyl alcohol	5.494	59	502	0.664	ug/l #	72
16) Acetone	4.453	43	42760	23.518	ug/l	95
18) Methyl Acetate	5.053	43	7699	1.253	ug/l #	80
20) Methylene Chloride	5.294	84	24812	4.071	ug/l	97
25) 2-Butanone	7.494	43	5606	2.024	ug/l	89
29) Tetrahydrofuran	7.859	42	358	0.209	ug/l #	25
31) Cyclohexane	8.235	56	10951	1.260	ug/l #	20
36) 1,1-Dichloropropene	8.229	75	41017	6.273	ug/l #	49
37) Ethyl Acetate	7.571	43	51596	9.867	ug/l	99
38) Carbon Tetrachloride	8.235	117	54920	7.531	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1630	0.244	ug/l #	73
43) Isopropyl Acetate	8.694	43	408756	47.906	ug/l #	72
45) 1,2-Dichloropropane	9.753	63	3125	0.668	ug/l #	42
48) Methyl methacrylate	9.747	41	182306	45.132	ug/l #	35
49) 1,4-Dioxane	9.741	88	260	3.050	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	16945	3.383	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	1647	0.252	ug/l	89
54) cis-1,3-Dichloropropene	10.365	75	90418	12.026	ug/l #	62
56) Ethyl methacrylate	10.982	69	2663	0.413	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	11043	1.360	ug/l #	42
59) 2-Hexanone	11.170	43	182144	50.181	ug/l #	21
71) Bromoform	12.853	173	1860	0.501	ug/l #	1
74) N-amyl acetate	12.488	43	2034	0.365	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	151954	33.023	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151954	101.071	ug/l #	11
95) Naphthalene	15.647	128	1163	1.925	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	133	1.185	ug/l #	12

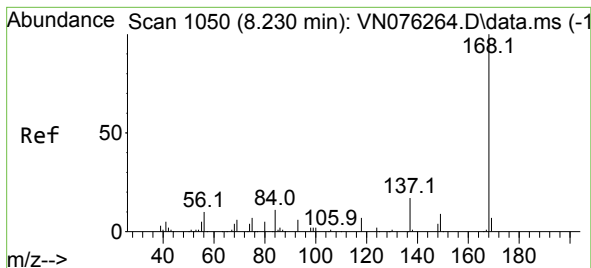
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013023\
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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 10

Delta R.T. -0.001 min

Lab File: VN076459.D

Acq: 30 Jan 2023 16:05

Instrument :

MSVOA_N

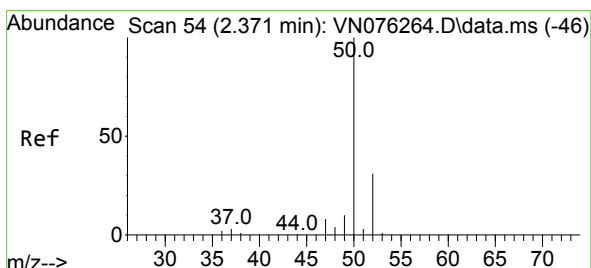
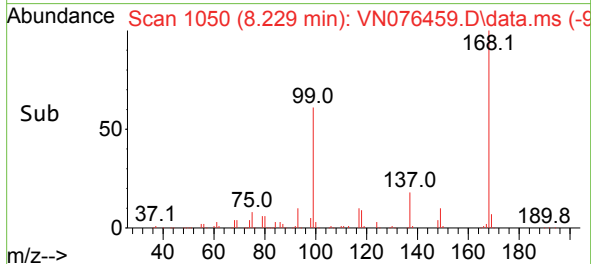
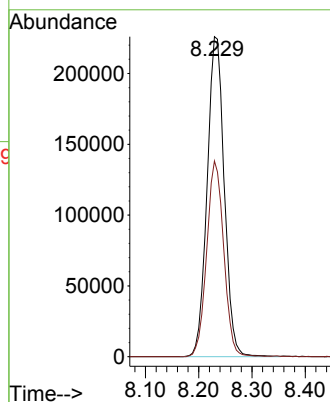
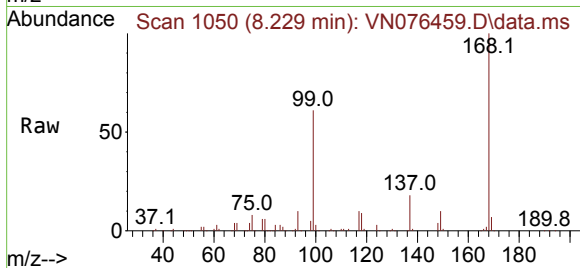
ClientSampleId :

Tgt Ion:168 Resp: 505120

Ion Ratio Lower Upper

168 100

99 61.1 41.6 62.4



#3

Chloromethane

Concen: 0.200 ug/l

RT: 2.371 min Scan# 54

Delta R.T. -0.000 min

Lab File: VN076459.D

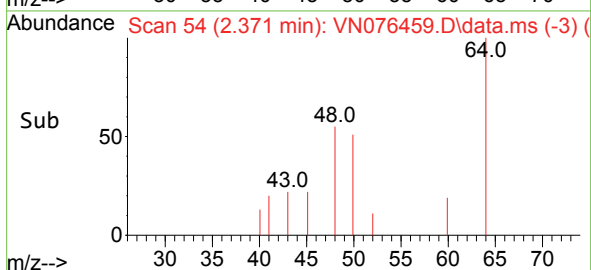
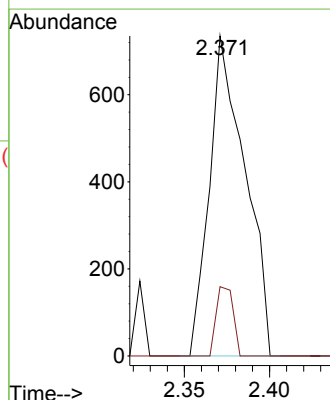
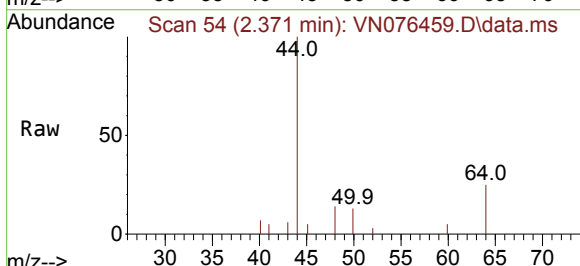
Acq: 30 Jan 2023 16:05

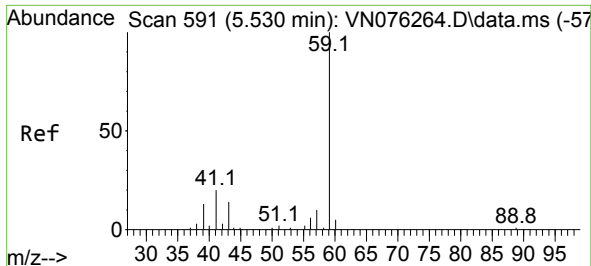
Tgt Ion: 50 Resp: 1072

Ion Ratio Lower Upper

50 100

52 21.6 24.8 37.2#

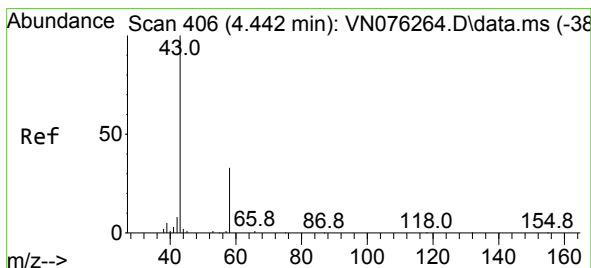
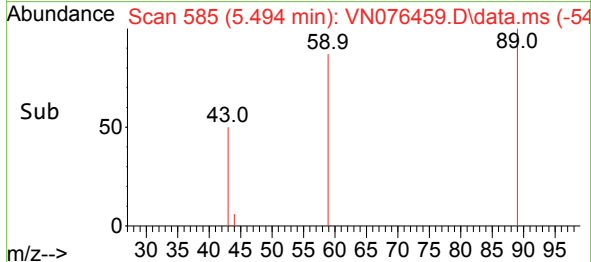
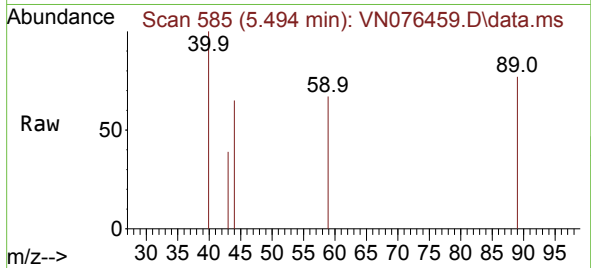




#11
Tert butyl alcohol
Concen: 0.664 ug/l
RT: 5.494 min Scan# 51
Delta R.T. -0.036 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

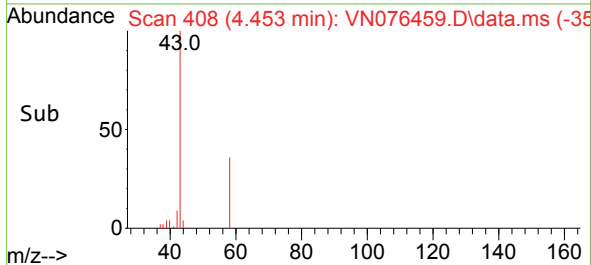
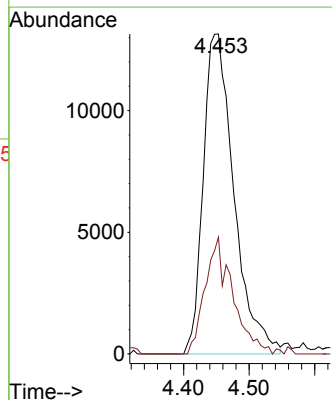
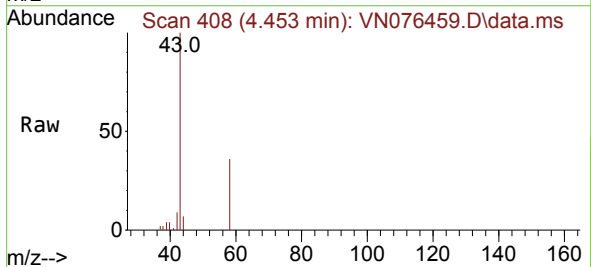
Instrument :
MSVOA_N
ClientSampleId :

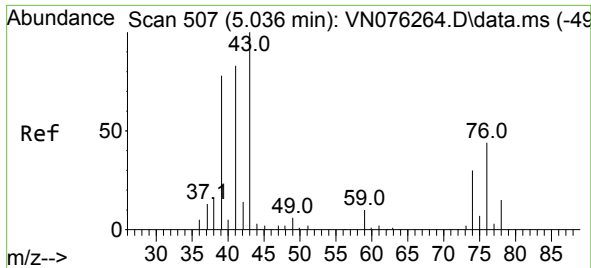
Tgt Ion: 59 Resp: 502
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 23.518 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion: 43 Resp: 42760
Ion Ratio Lower Upper
43 100
58 36.5 26.7 40.1

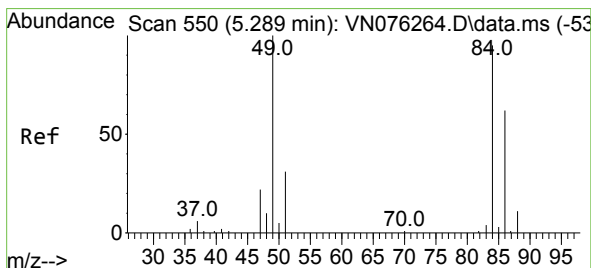
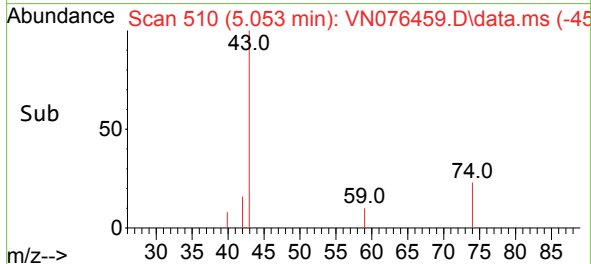
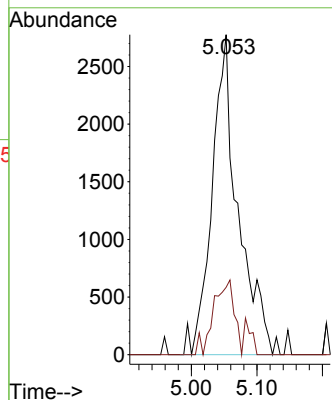
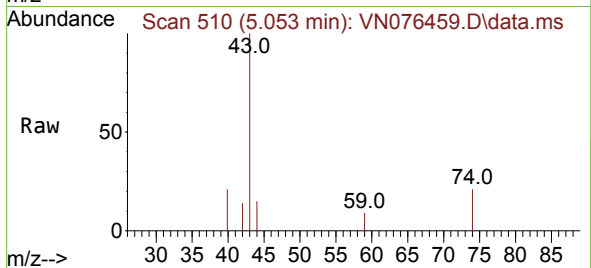




#18
Methyl Acetate
Concen: 1.253 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

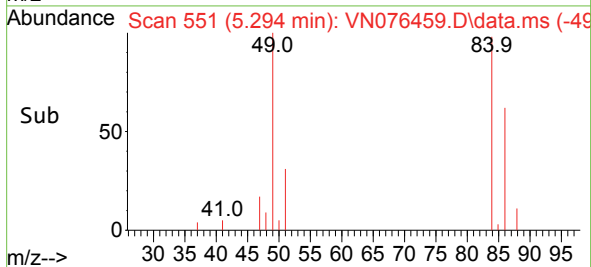
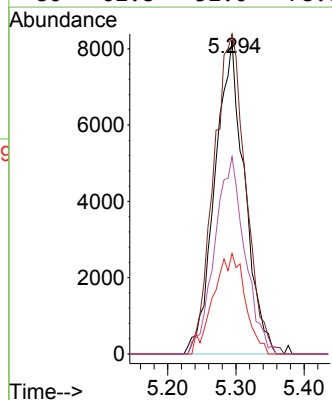
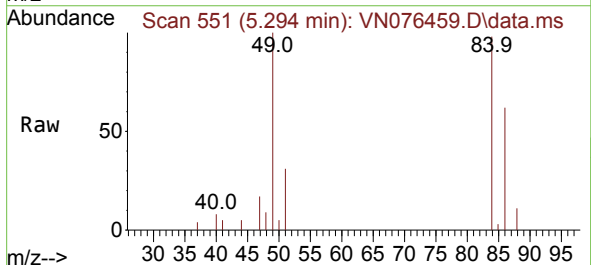
Instrument :
MSVOA_N
ClientSampleId :

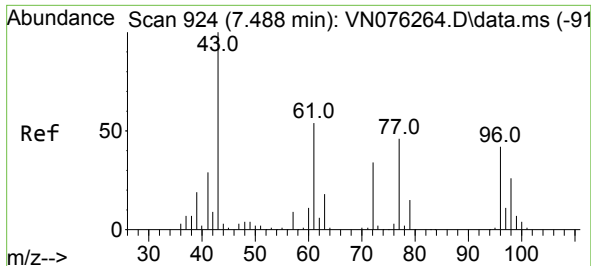
Tgt Ion: 43 Resp: 7699
Ion Ratio Lower Upper
43 100
74 18.4 23.3 34.9#



#20
Methylene Chloride
Concen: 4.071 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion: 84 Resp: 24812
Ion Ratio Lower Upper
84 100
49 102.0 84.5 126.7
51 32.0 26.0 39.0
86 62.8 52.0 78.0

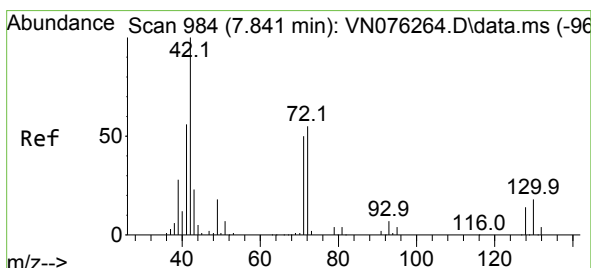
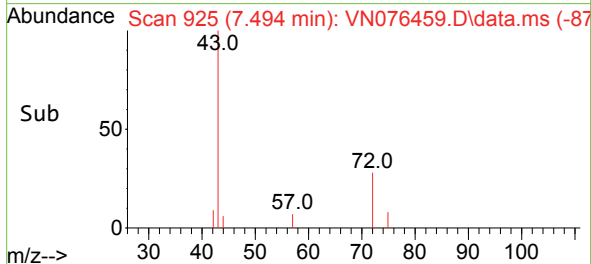
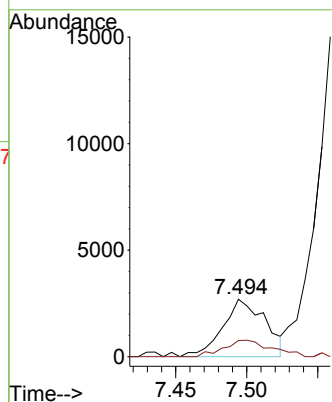
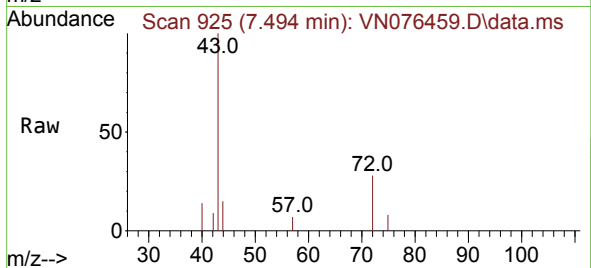




#25
2-Butanone
Concen: 2.024 ug/l
RT: 7.494 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

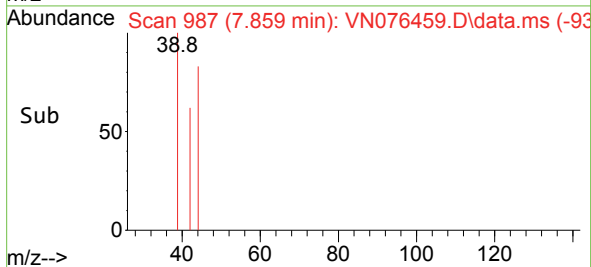
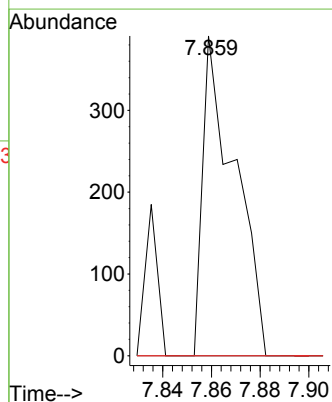
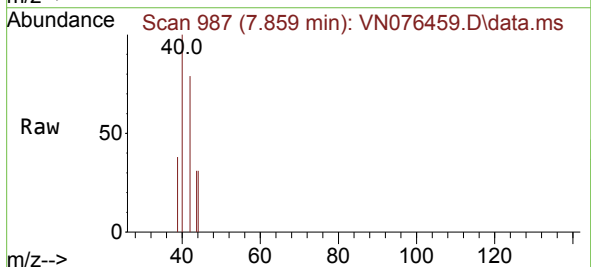
Instrument :
MSVOA_N
ClientSampleId :

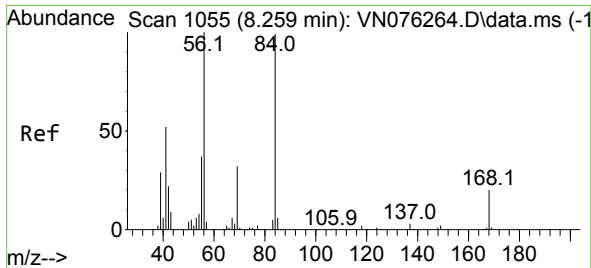
Tgt Ion: 43 Resp: 5606
Ion Ratio Lower Upper
43 100
72 28.2 27.4 41.2



#29
Tetrahydrofuran
Concen: 0.209 ug/l
RT: 7.859 min Scan# 987
Delta R.T. 0.018 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

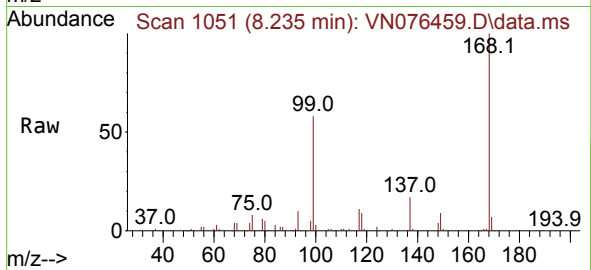
Tgt Ion: 42 Resp: 358
Ion Ratio Lower Upper
42 100
72 0.0 44.0 66.0#
71 0.0 41.1 61.7#



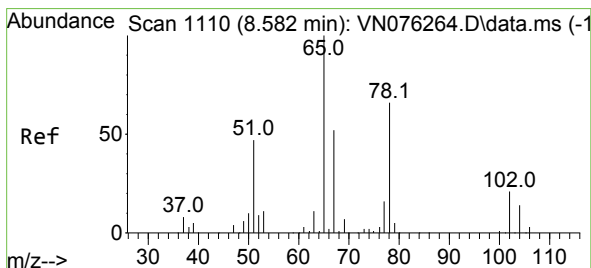
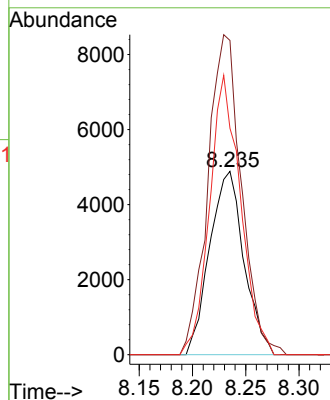
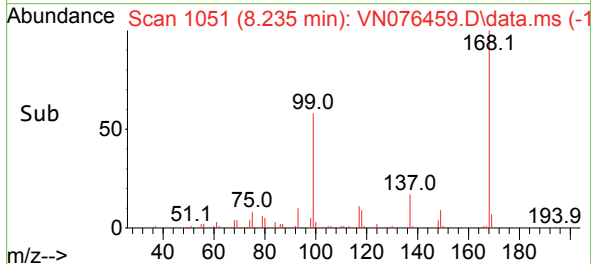


#31
Cyclohexane
Concen: 1.260 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.024 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :

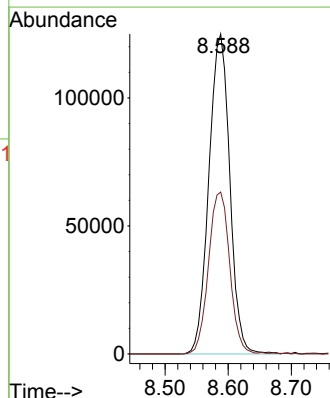
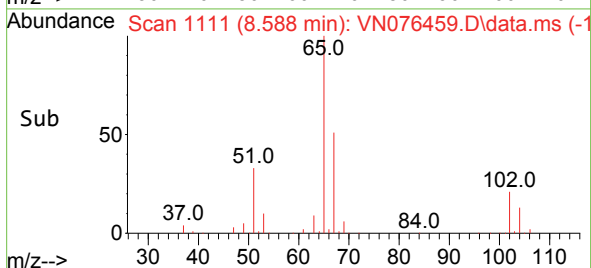
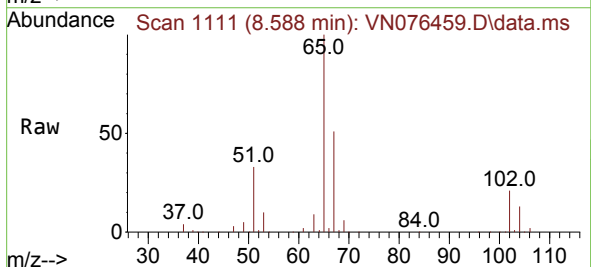


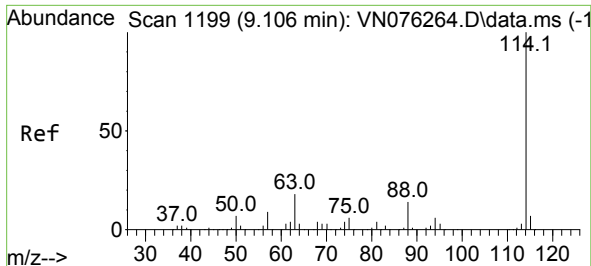
Tgt Ion: 56 Resp: 10951
Ion Ratio Lower Upper
56 100
69 171.4 25.8 38.8#
84 123.5 79.0 118.4#



#33
1,2-Dichloroethane-d4
Concen: 50.814 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion: 65 Resp: 287389
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076459.D

Acq: 30 Jan 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :

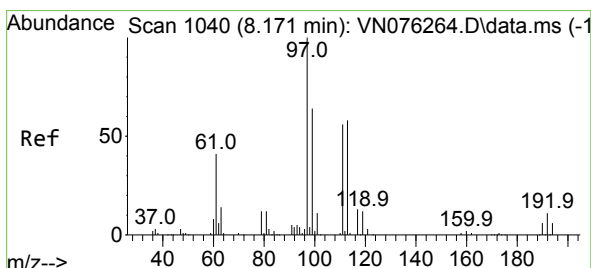
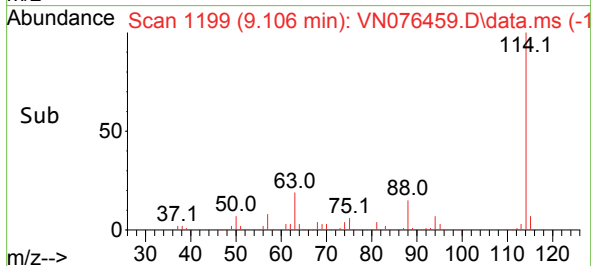
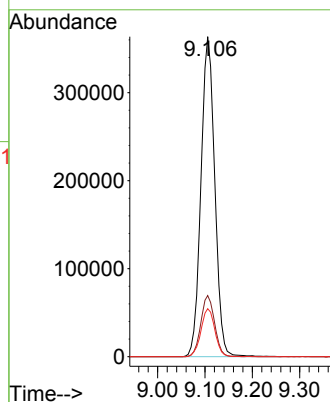
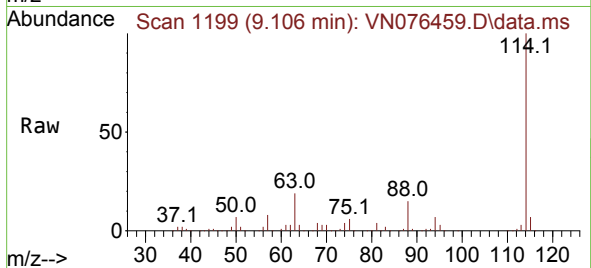
Tgt Ion:114 Resp: 735654

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.8

88 15.0 0.0 28.0



#35

Dibromofluoromethane

Concen: 58.023 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VN076459.D

Acq: 30 Jan 2023 16:05

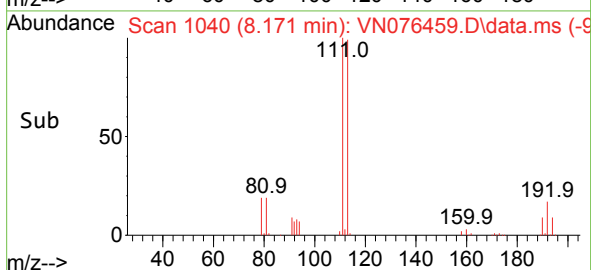
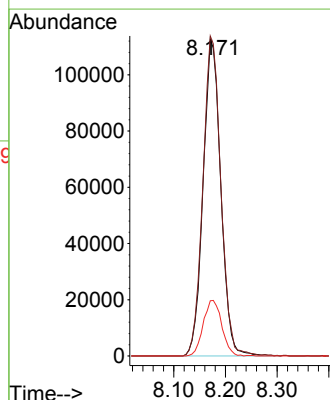
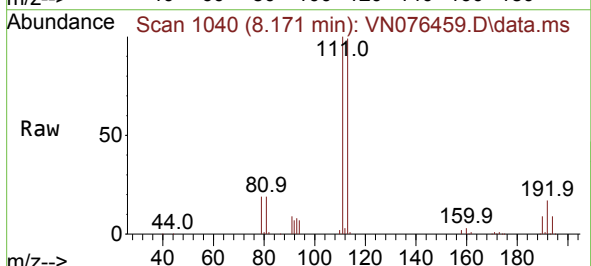
Tgt Ion:113 Resp: 267010

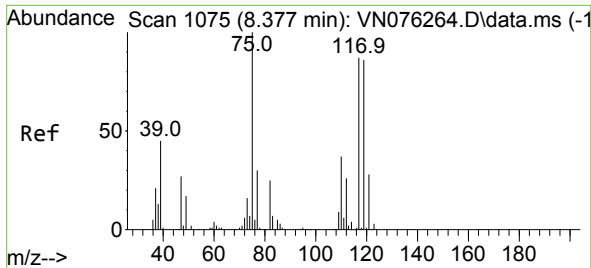
Ion Ratio Lower Upper

113 100

111 102.8 82.7 124.1

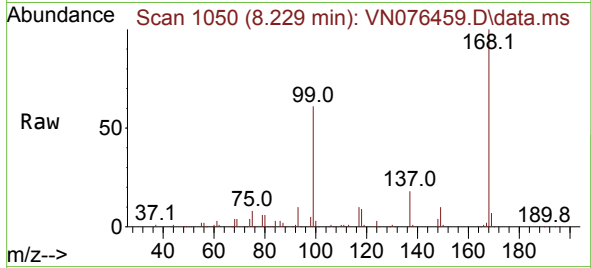
192 18.4 15.6 23.4



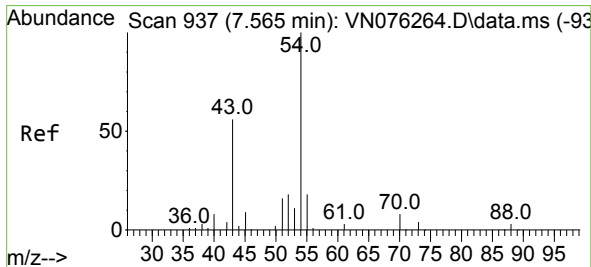
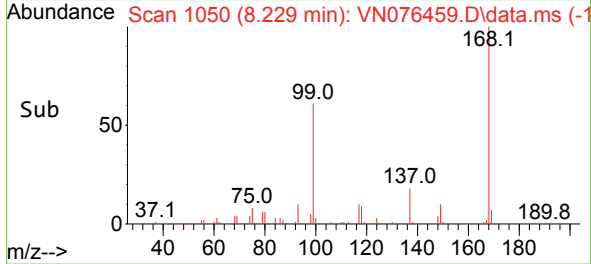
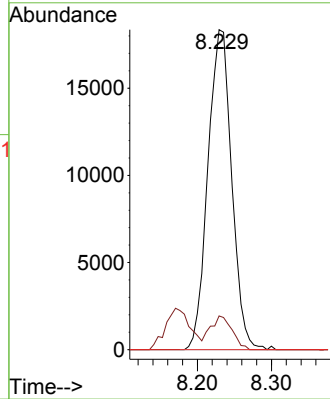


#36
 1,1-Dichloropropene
 Concen: 6.273 ug/l
 RT: 8.229 min Scan# 1050
 Delta R.T. -0.148 min
 Lab File: VN076459.D
 Acq: 30 Jan 2023 16:05

Instrument :
 MSVOA_N
 ClientSampleId :

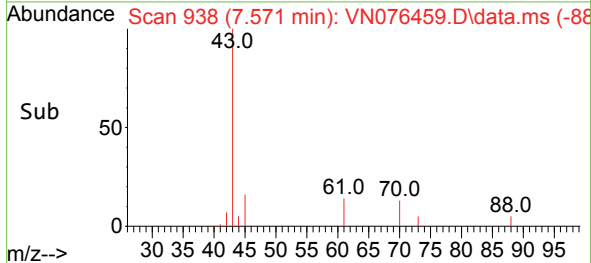
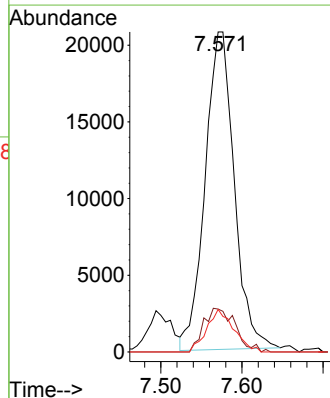
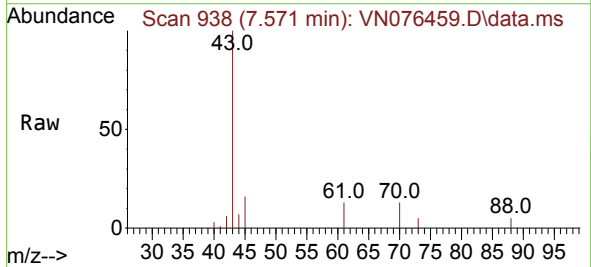


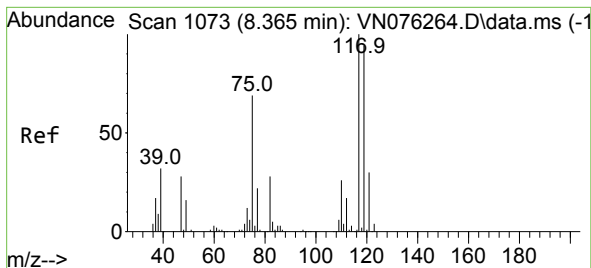
Tgt Ion: 75 Resp: 41017
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.8 56.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 9.867 ug/l
 RT: 7.571 min Scan# 938
 Delta R.T. 0.006 min
 Lab File: VN076459.D
 Acq: 30 Jan 2023 16:05

Tgt Ion: 43 Resp: 51596
 Ion Ratio Lower Upper
 43 100
 61 15.0 11.1 16.7
 70 12.4 10.0 15.0





#38

Carbon Tetrachloride

Concen: 7.531 ug/l

RT: 8.235 min Scan# 110

Delta R.T. -0.130 min

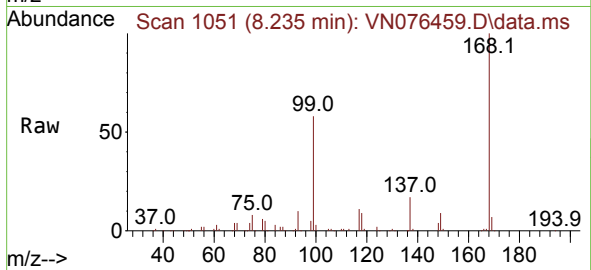
Lab File: VN076459.D

Acq: 30 Jan 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :



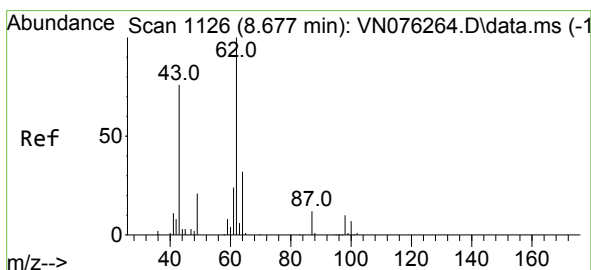
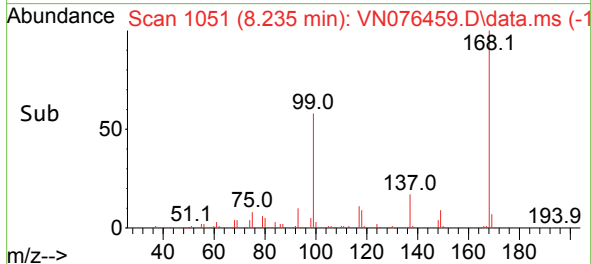
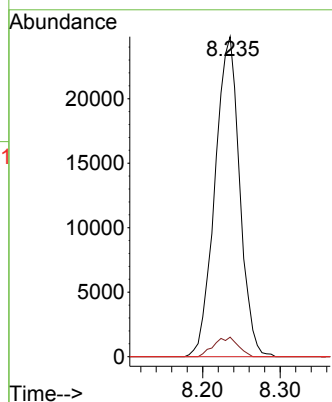
Tgt Ion:117 Resp: 54920

Ion Ratio Lower Upper

117 100

119 6.1 75.4 113.0#

121 0.0 24.2 36.2#



#42

1,2-Dichloroethane

Concen: 0.244 ug/l

RT: 8.688 min Scan# 1128

Delta R.T. 0.011 min

Lab File: VN076459.D

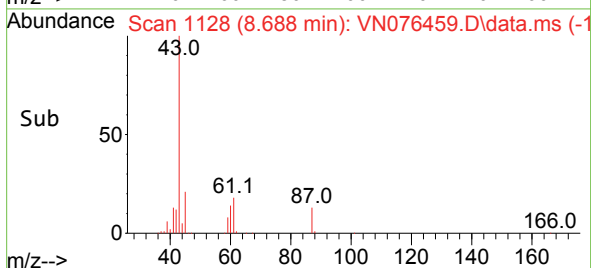
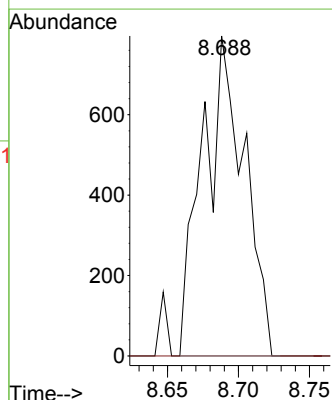
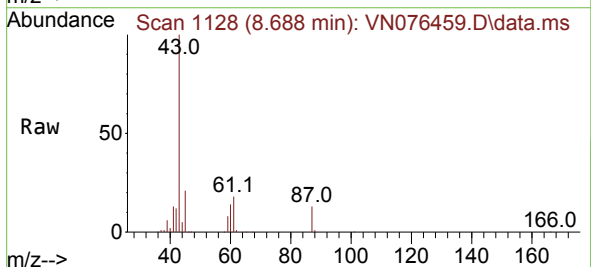
Acq: 30 Jan 2023 16:05

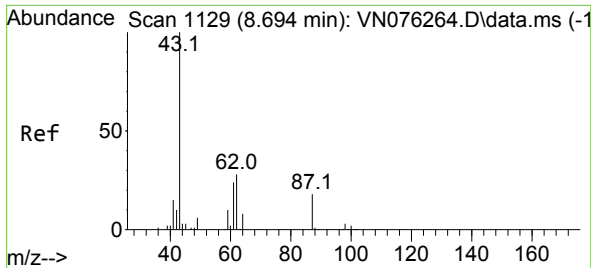
Tgt Ion: 62 Resp: 1630

Ion Ratio Lower Upper

62 100

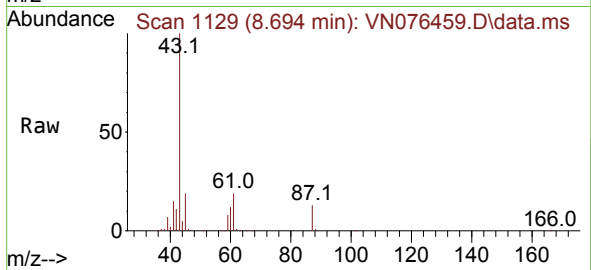
98 0.0 0.0 20.4



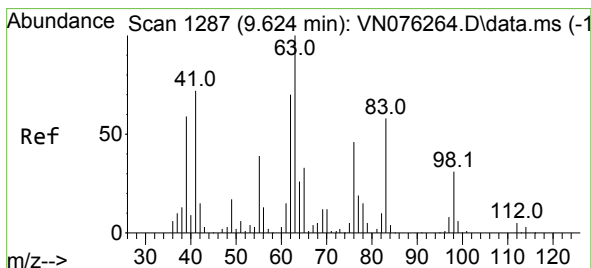
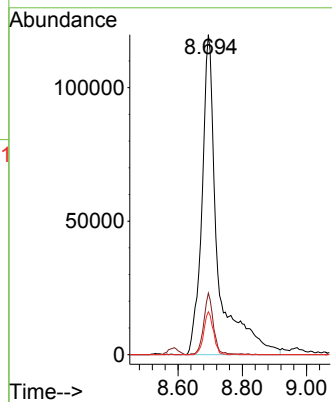
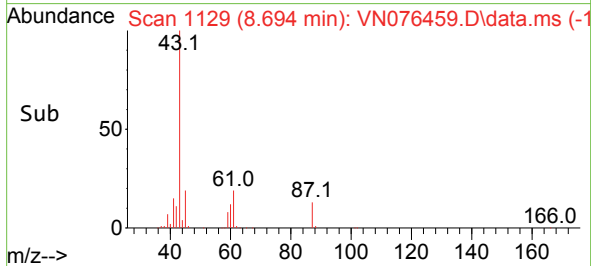


#43
Isopropyl Acetate
Concen: 47.906 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

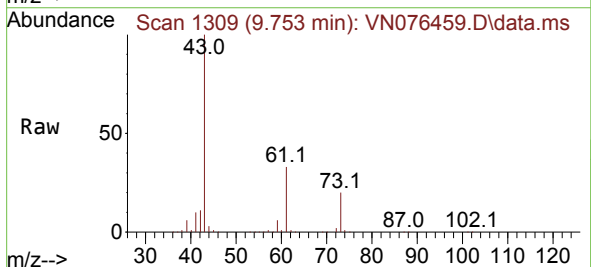
Instrument :
MSVOA_N
ClientSampleId :



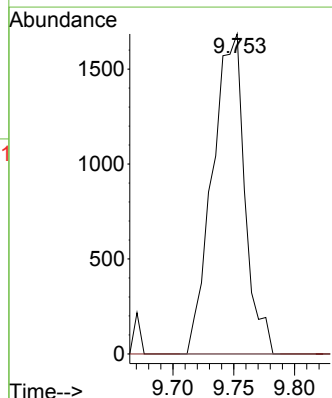
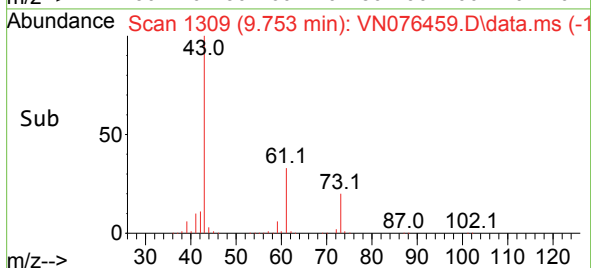
Tgt Ion: 43 Resp: 408756
Ion Ratio Lower Upper
43 100
61 11.8 23.5 35.3#
87 8.2 13.8 20.6#

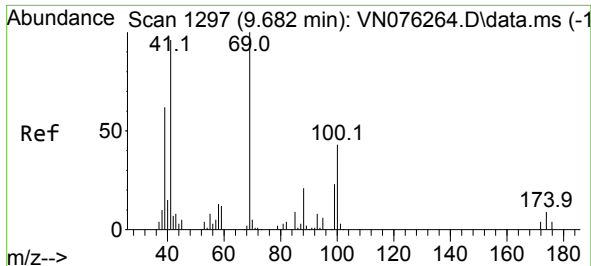


#45
1,2-Dichloropropane
Concen: 0.668 ug/l
RT: 9.753 min Scan# 1309
Delta R.T. 0.129 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05



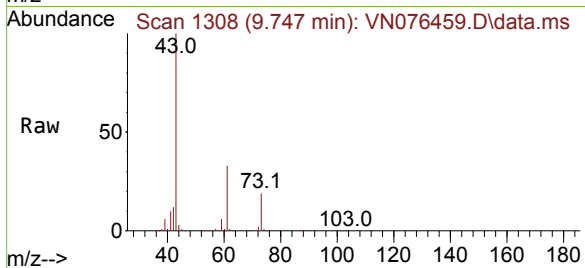
Tgt Ion: 63 Resp: 3125
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#



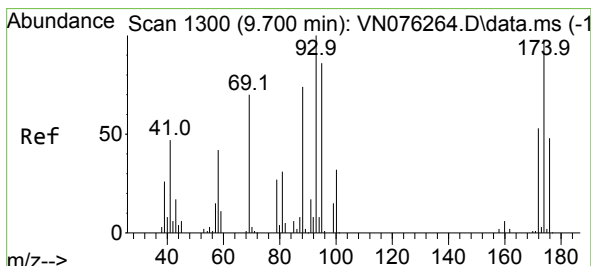
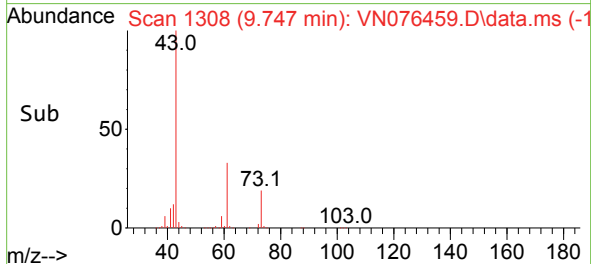
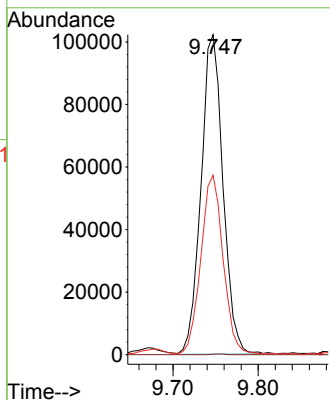


#48
Methyl methacrylate
Concen: 45.132 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :

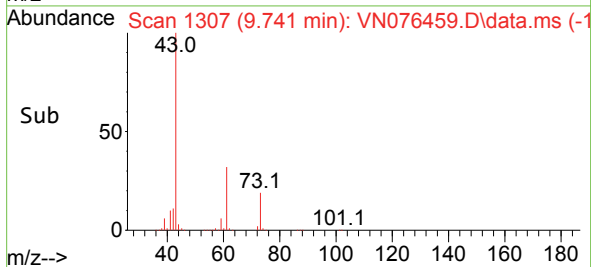
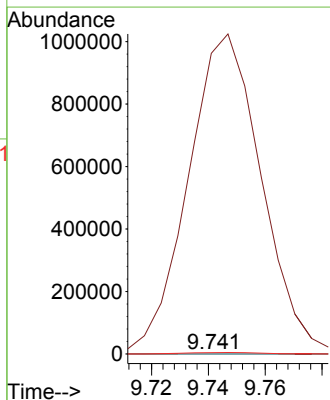
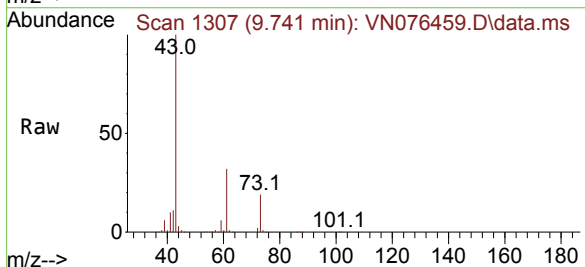


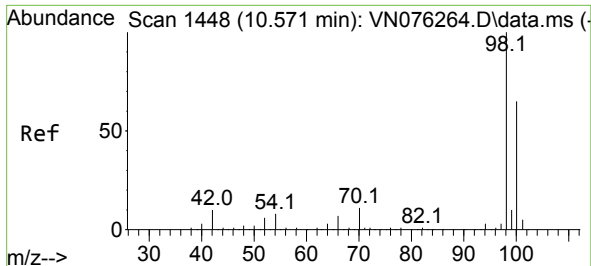
Tgt Ion: 41 Resp: 182306
Ion Ratio Lower Upper
41 100
69 0.1 80.8 121.2#
39 57.0 54.4 81.6



#49
1,4-Dioxane
Concen: 3.050 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion: 88 Resp: 260
Ion Ratio Lower Upper
88 100
43 711218.5 18.1 27.1#
58 3485.0 46.5 69.7#

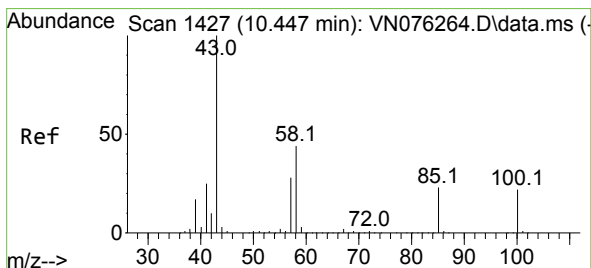
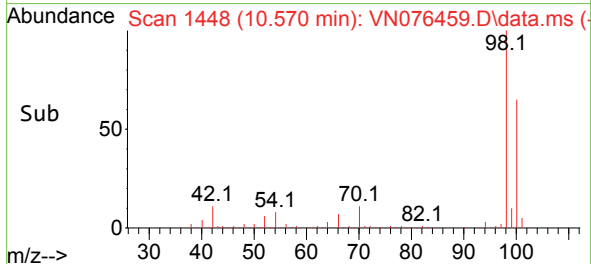
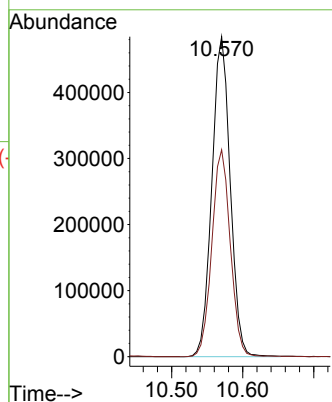
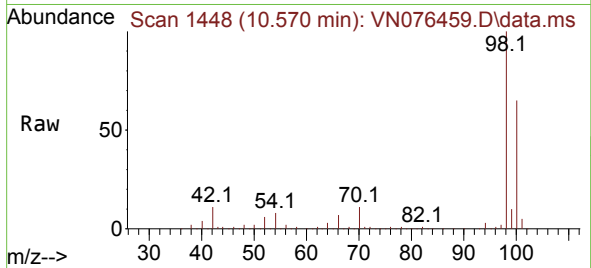




#50
Toluene-d8
Concen: 51.063 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.001 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

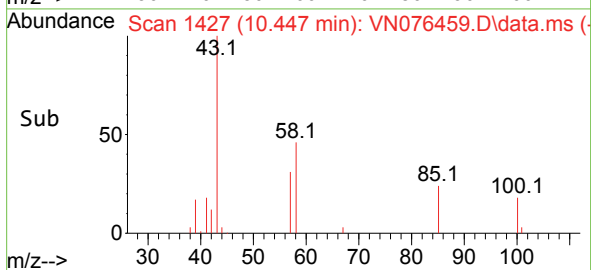
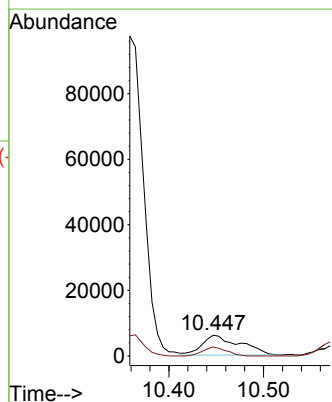
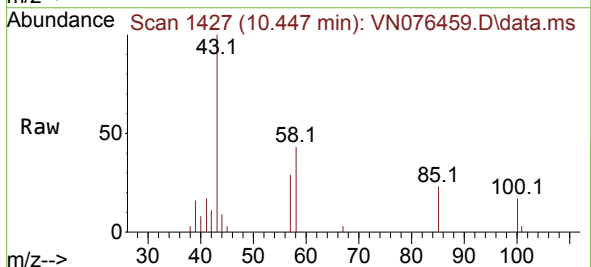
Instrument :
MSVOA_N
ClientSampleId :

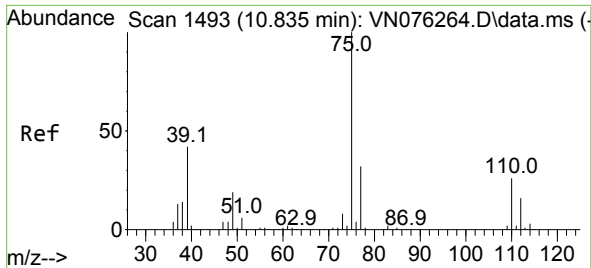
Tgt Ion: 98 Resp: 867821
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.383 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion: 43 Resp: 16945
Ion Ratio Lower Upper
43 100
58 27.9 35.1 52.7#

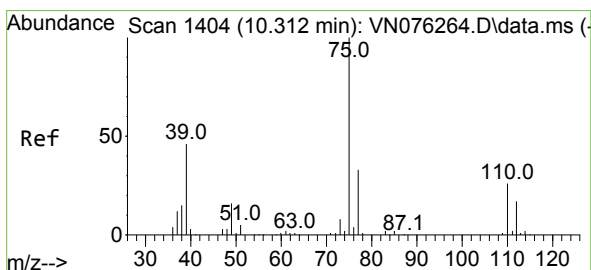
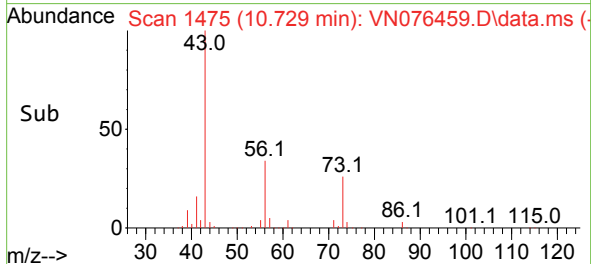
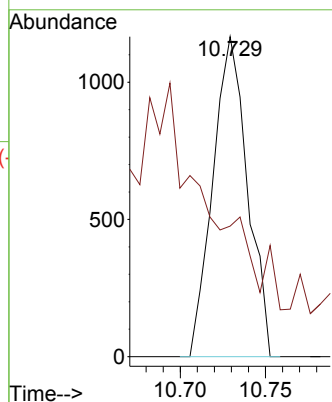
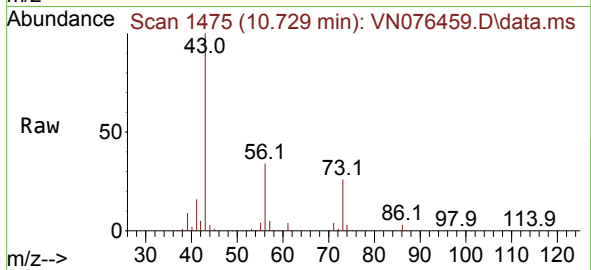




#53
 t-1,3-Dichloropropene
 Concen: 0.252 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076459.D
 Acq: 30 Jan 2023 16:05

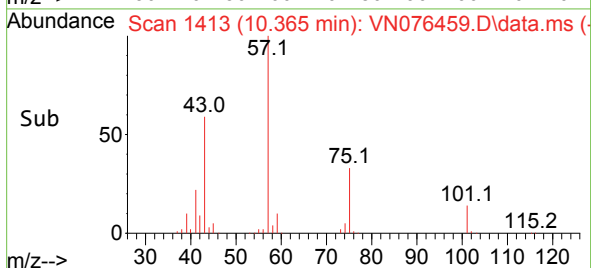
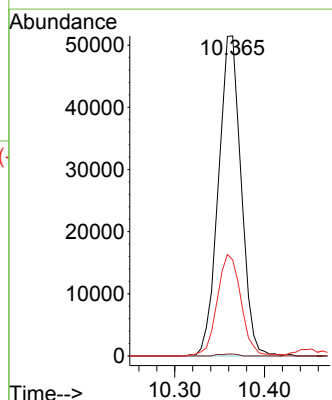
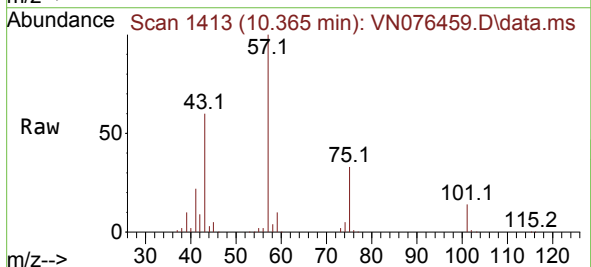
Instrument :
 MSVOA_N
 ClientSampleId :

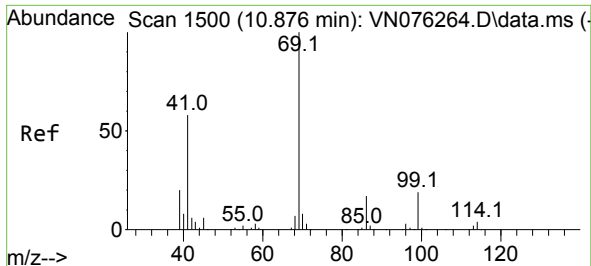
Tgt Ion: 75 Resp: 1647
 Ion Ratio Lower Upper
 75 100
 77 26.2 25.8 38.6



#54
 cis-1,3-Dichloropropene
 Concen: 12.026 ug/l
 RT: 10.365 min Scan# 1413
 Delta R.T. 0.053 min
 Lab File: VN076459.D
 Acq: 30 Jan 2023 16:05

Tgt Ion: 75 Resp: 90418
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.5 39.7#
 39 30.1 37.1 55.7#

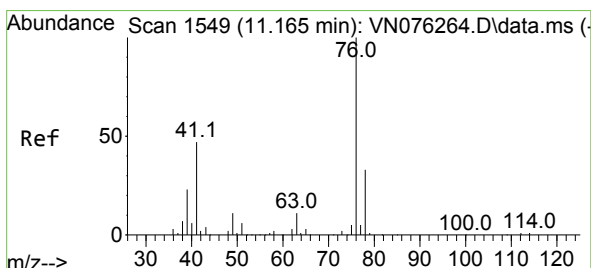
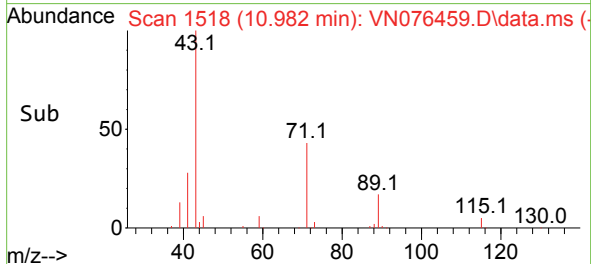
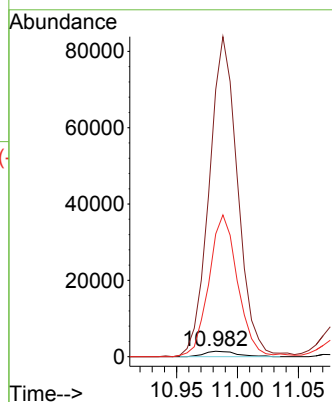
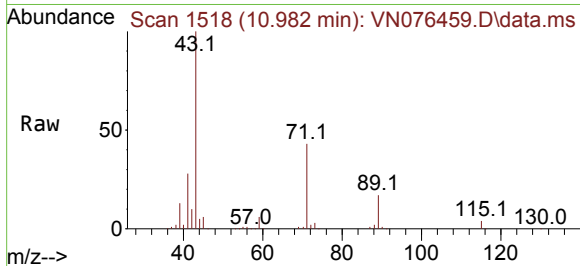




#56
Ethyl methacrylate
Concen: 0.413 ug/l
RT: 10.982 min Scan# 1518
Delta R.T. 0.106 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

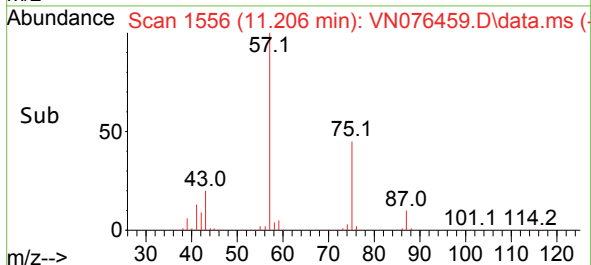
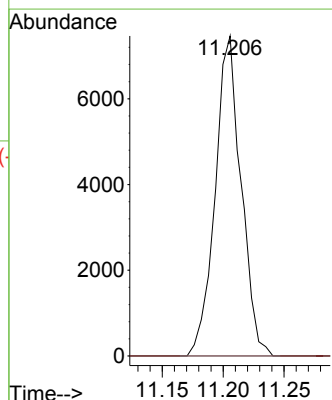
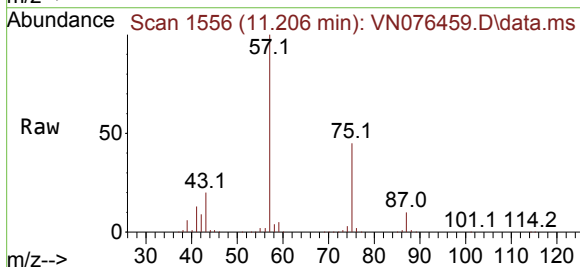
Instrument :
MSVOA_N
ClientSampleId :

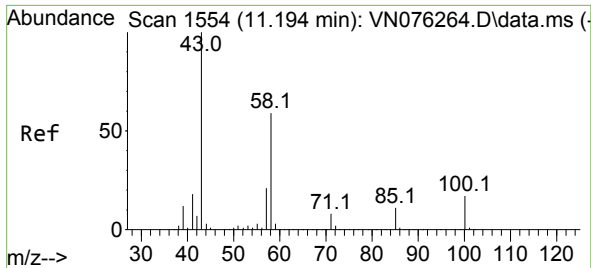
Tgt Ion: 69 Resp: 2663
Ion Ratio Lower Upper
69 100
41 5139.6 45.3 67.9#
39 2302.8 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.360 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion: 76 Resp: 11043
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

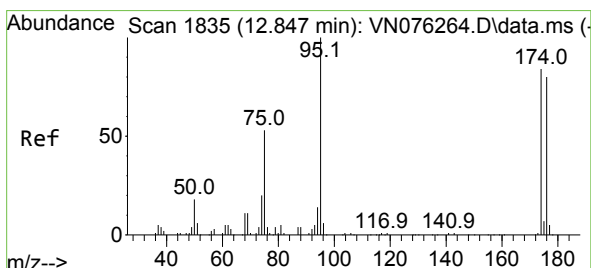
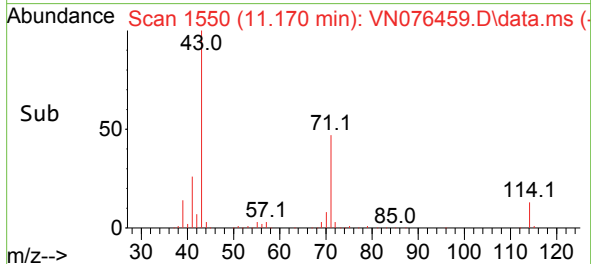
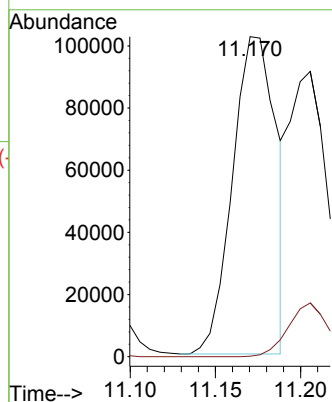
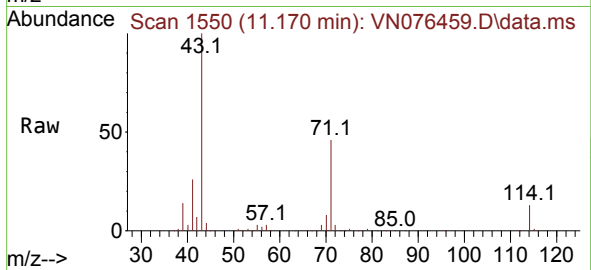




#59
2-Hexanone
Concen: 50.181 ug/l
RT: 11.170 min Scan# 11550
Delta R.T. -0.024 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

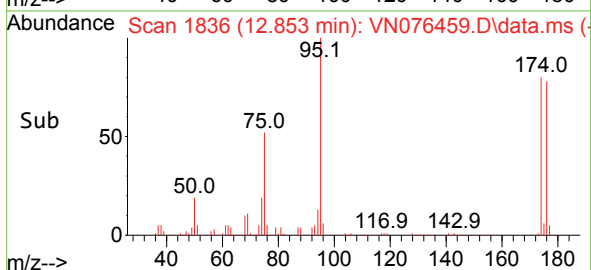
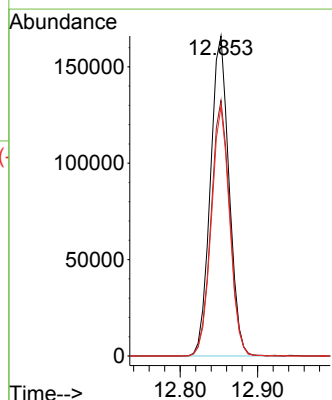
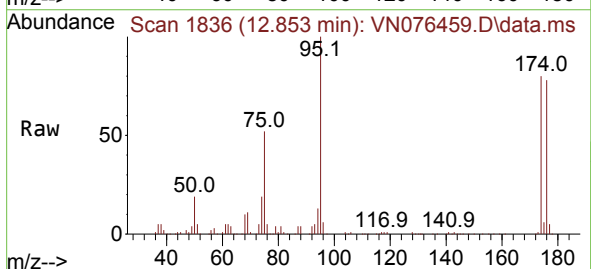
Instrument :
MSVOA_N
ClientSampleId :

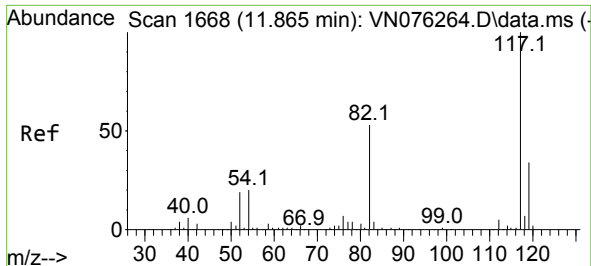
Tgt Ion: 43 Resp: 182144
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 49.957 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion: 95 Resp: 277167
Ion Ratio Lower Upper
95 100
174 80.1 0.0 174.6
176 76.6 0.0 167.8

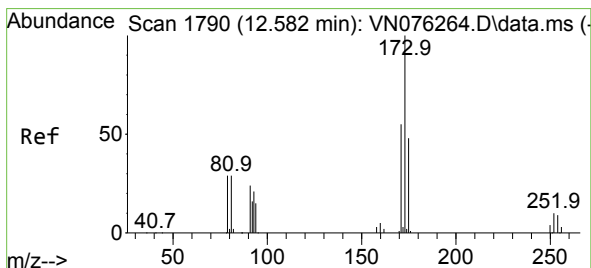
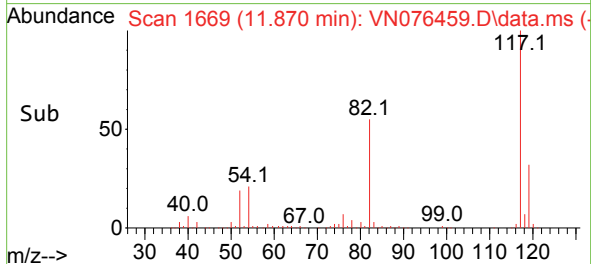
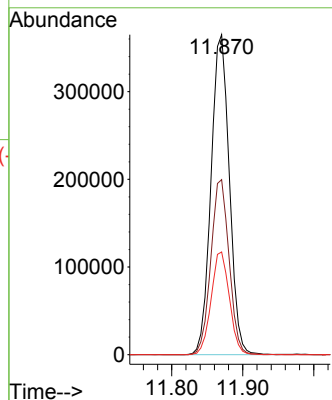
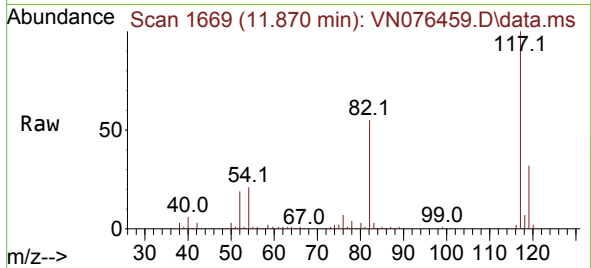




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

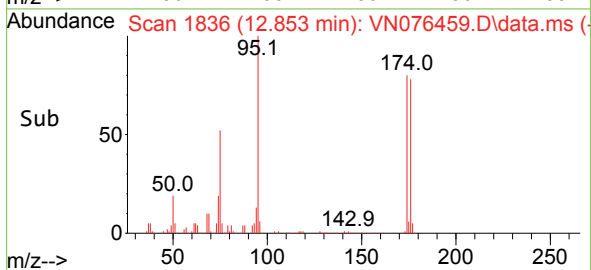
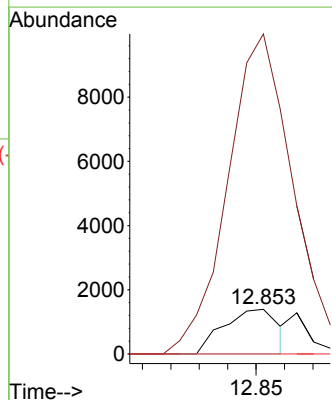
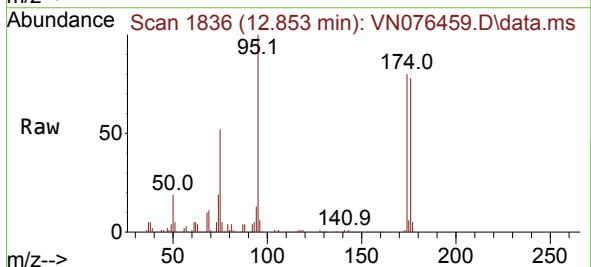
Instrument :
MSVOA_N
ClientSampleId :

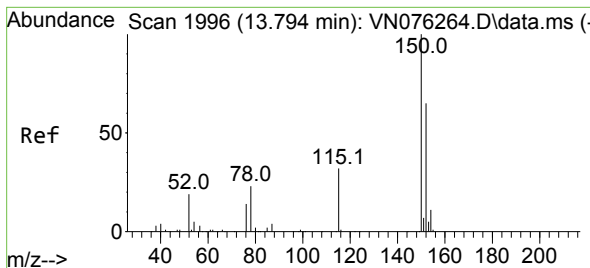
Tgt Ion:117 Resp: 653294
Ion Ratio Lower Upper
117 100
82 54.7 42.2 63.2
119 32.1 26.9 40.3



#71
Bromoform
Concen: 0.501 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion:173 Resp: 1860
Ion Ratio Lower Upper
173 100
175 696.2 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1996

Delta R.T. -0.000 min

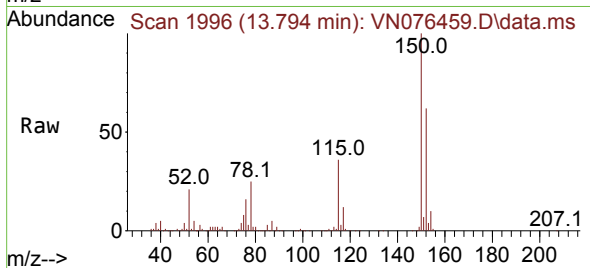
Lab File: VN076459.D

Acq: 30 Jan 2023 16:05

Instrument :

MSVOA_N

ClientSampleId :



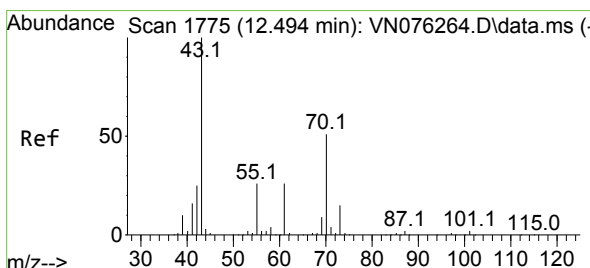
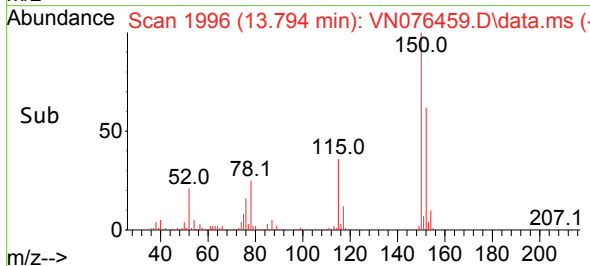
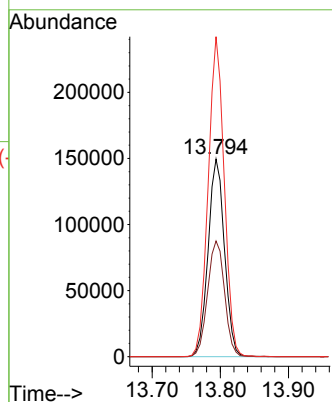
Tgt Ion:152 Resp: 250146

Ion Ratio Lower Upper

152 100

115 60.5 29.6 88.9

150 158.3 0.0 351.4



#74

N-ethyl acetate

Concen: 0.365 ug/l

RT: 12.488 min Scan# 1774

Delta R.T. -0.006 min

Lab File: VN076459.D

Acq: 30 Jan 2023 16:05

Tgt Ion: 43 Resp: 2034

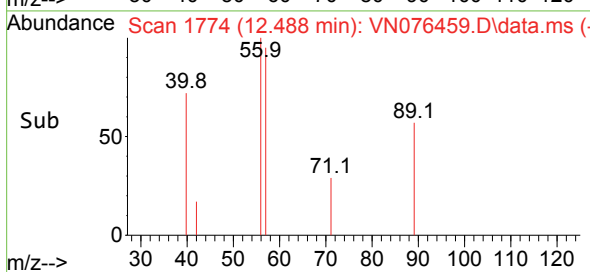
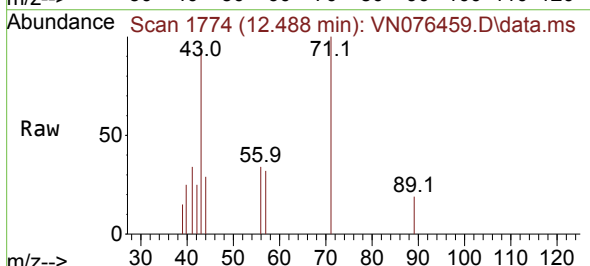
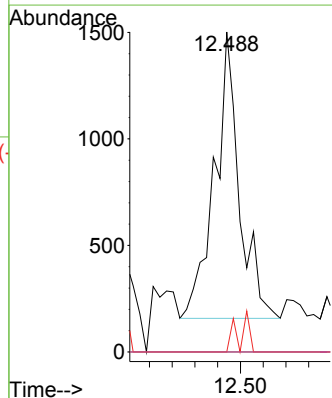
Ion Ratio Lower Upper

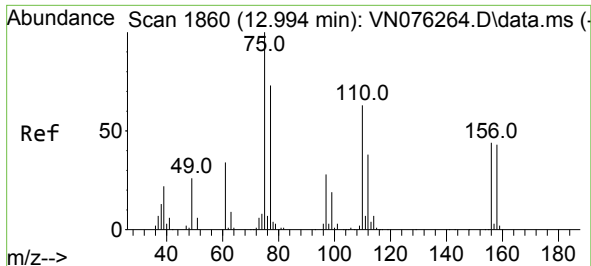
43 100

70 0.0 41.2 61.8#

55 0.0 21.0 31.6#

61 0.0 21.6 32.4#

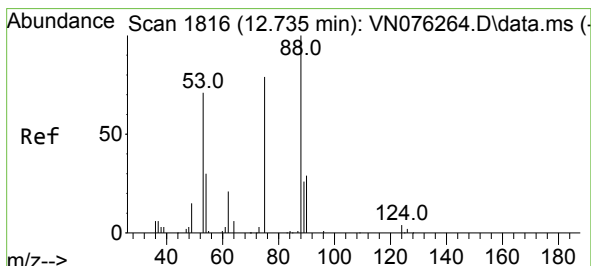
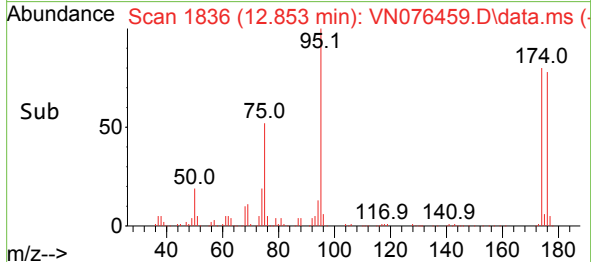
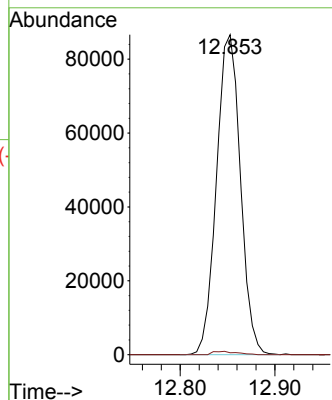
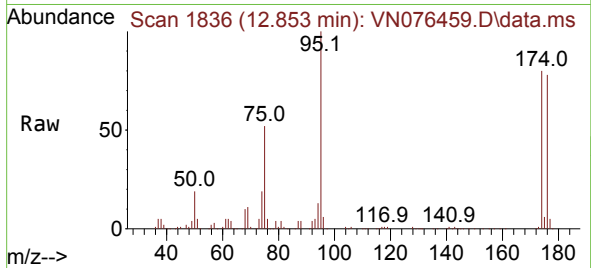




#76
1,2,3-Trichloropropane
Concen: 33.023 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

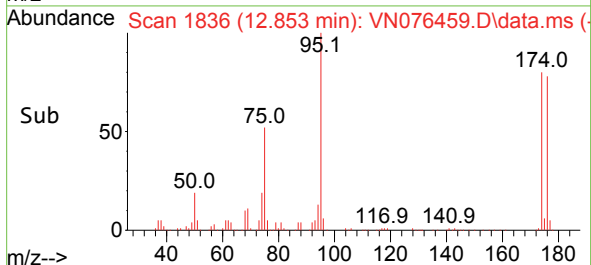
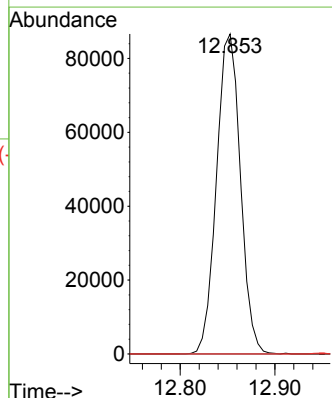
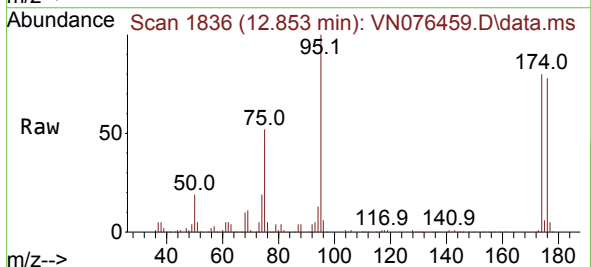
Instrument :
MSVOA_N
ClientSampleId :

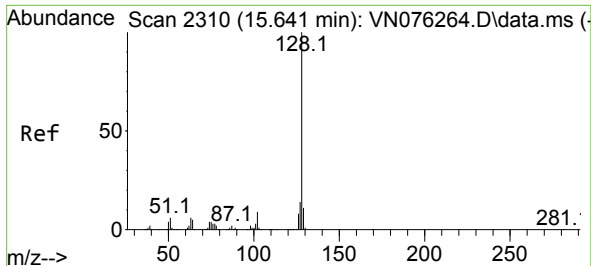
Tgt Ion: 75 Resp: 151954
Ion Ratio Lower Upper
75 100
77 1.0 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.071 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion: 75 Resp: 151954
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#

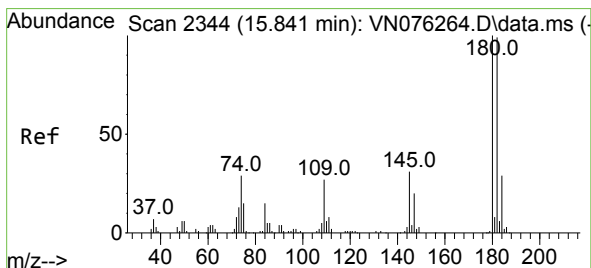
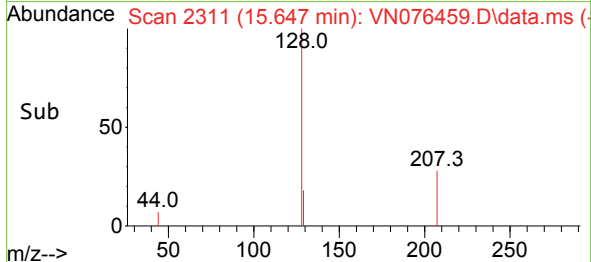
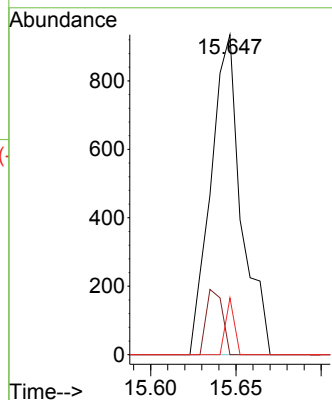
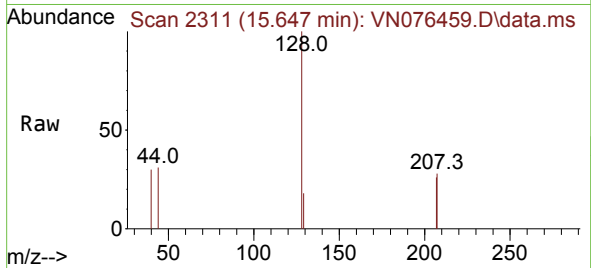




#95
Naphthalene
Concen: 1.925 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 1163
Ion Ratio Lower Upper
128 100
127 10.8 10.3 15.5
129 5.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.185 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN076459.D
Acq: 30 Jan 2023 16:05

Tgt Ion:180 Resp: 133
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 15.9 47.6#

