

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076722.D
 Acq On : 16 Feb 2023 19:28
 Operator : JC\MD
 Sample : 01572-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 17 00:18:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

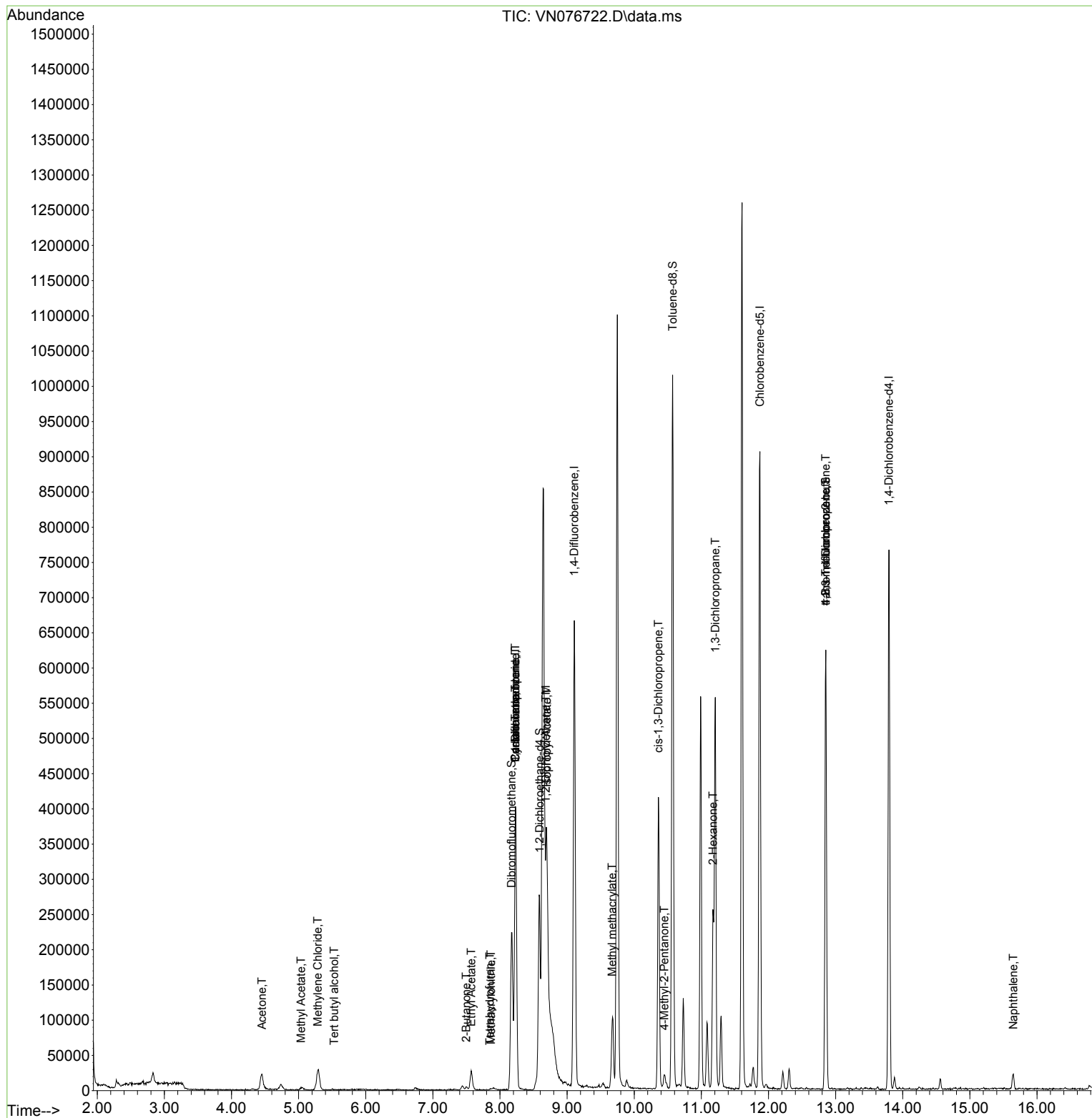
Internal Standards						
1) Pentafluorobenzene	8.230	168	281597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	543406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	506388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	195346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	208444	53.606	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.220%			
35) Dibromofluoromethane	8.172	113	157574	44.279	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.560%			
50) Toluene-d8	10.571	98	675606	50.836	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.680%			
62) 4-Bromofluorobenzene	12.854	95	204041	46.355	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.720%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.531	59	136	0.265	ug/l #	6
16) Acetone	4.454	43	43665	25.139	ug/l	97
18) Methyl Acetate	5.037	43	7627	1.345	ug/l	99
20) Methylene Chloride	5.284	84	21124	5.803	ug/l #	83
25) 2-Butanone	7.495	43	4997	1.950	ug/l #	72
29) Tetrahydrofuran	7.848	42	391	0.234	ug/l #	53
31) Cyclohexane	8.230	56	8292	1.359	ug/l #	35
36) 1,1-Dichloropropene	8.230	75	25264	4.914	ug/l #	52
37) Ethyl Acetate	7.572	43	39460	7.294	ug/l #	95
38) Carbon Tetrachloride	8.230	117	29980	5.780	ug/l #	16
41) Methacrylonitrile	7.866	41	855	0.273	ug/l #	35
42) 1,2-Dichloroethane	8.683	62	1855	0.337	ug/l #	74
43) Isopropyl Acetate	8.695	43	527290	59.900	ug/l #	71
48) Methyl methacrylate	9.672	41	6980	1.671	ug/l #	45
51) 4-Methyl-2-Pentanone	10.448	43	19513	3.484	ug/l #	81
54) cis-1,3-Dichloropropene	10.360	75	68763	11.528	ug/l #	64
57) 1,3-Dichloropropane	11.207	76	6476	0.972	ug/l #	42
59) 2-Hexanone	11.171	43	285533	70.705	ug/l #	27
76) 1,2,3-Trichloropropane	12.854	75	112490	28.483	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	112490	82.959	ug/l #	4
95) Naphthalene	15.648	128	19080	1.821	ug/l #	92

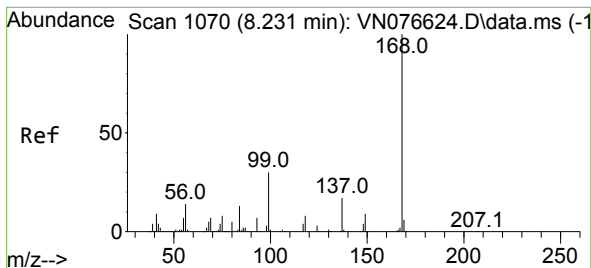
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 14 01:44:47 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076722.D

Acq: 16 Feb 2023 19:28

Instrument :

MSVOA_N

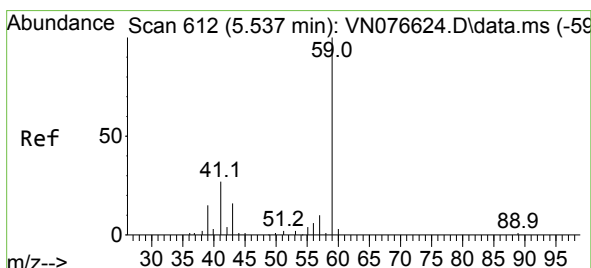
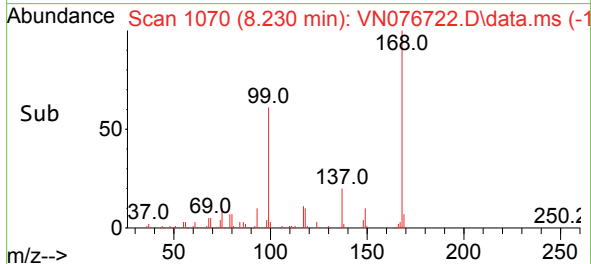
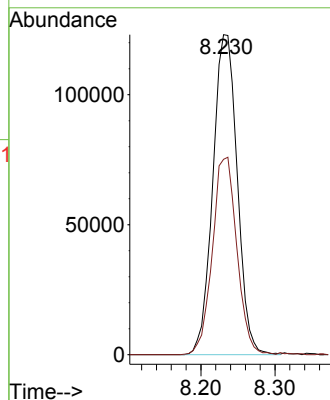
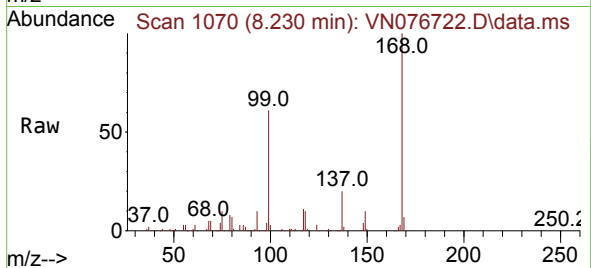
ClientSampleId :

Tgt Ion:168 Resp: 281597

Ion Ratio Lower Upper

168 100

99 61.0 44.8 67.2



#11

Tert butyl alcohol

Concen: 0.265 ug/l

RT: 5.531 min Scan# 611

Delta R.T. -0.006 min

Lab File: VN076722.D

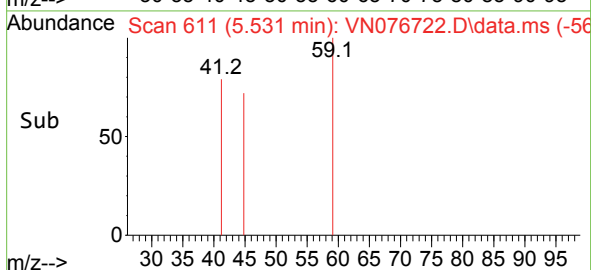
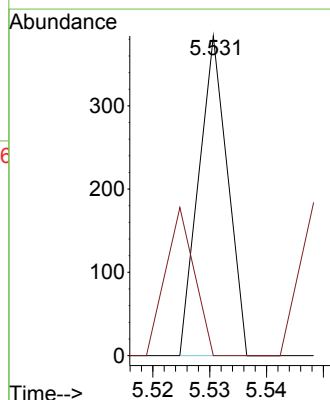
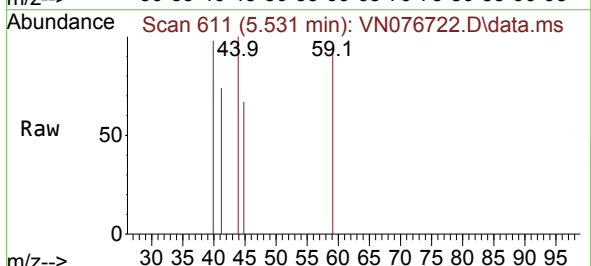
Acq: 16 Feb 2023 19:28

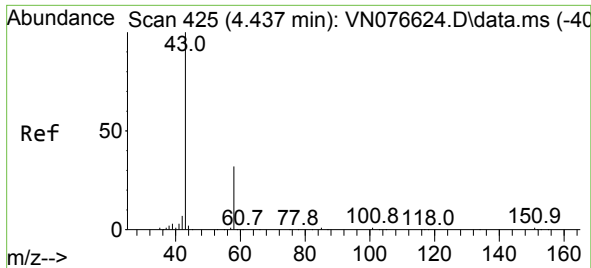
Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

59 100

57 46.3 8.7 13.1#

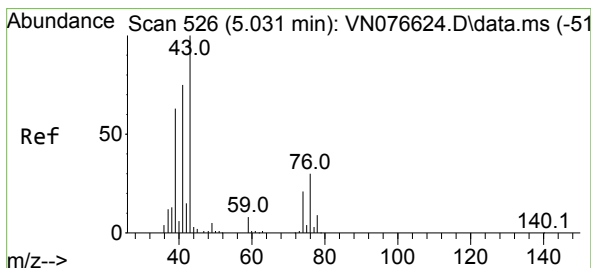
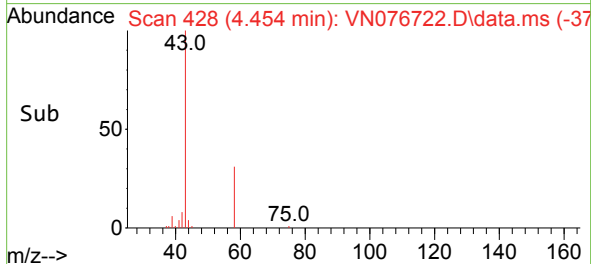
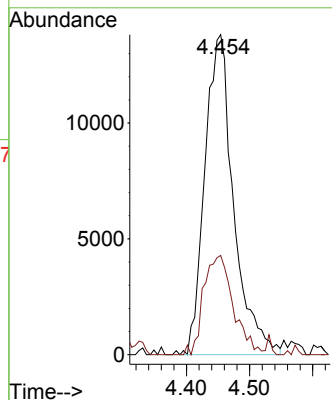
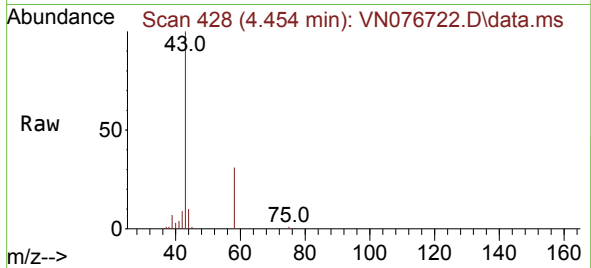




#16
Acetone
Concen: 25.139 ug/l
RT: 4.454 min Scan# 43
Delta R.T. 0.017 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

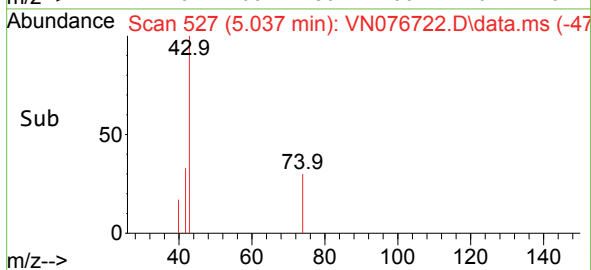
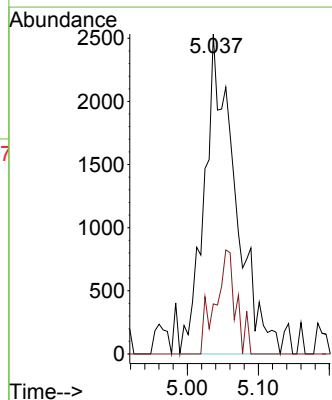
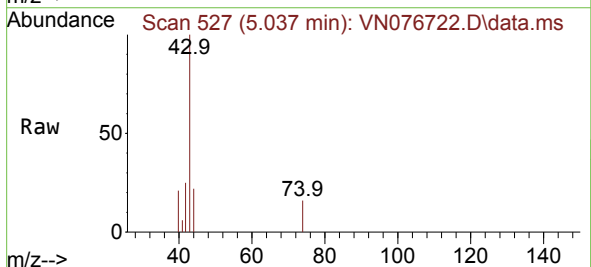
Instrument :
MSVOA_N
ClientSampleId :

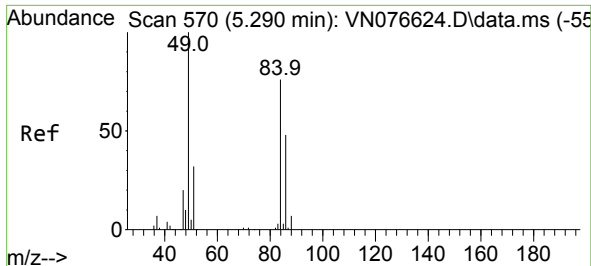
Tgt Ion: 43 Resp: 43665
Ion Ratio Lower Upper
43 100
58 31.0 25.9 38.9



#18
Methyl Acetate
Concen: 1.345 ug/l
RT: 5.037 min Scan# 527
Delta R.T. 0.006 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

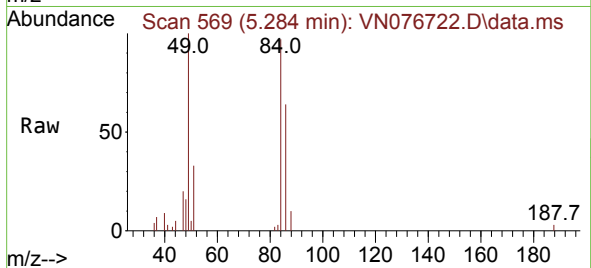
Tgt Ion: 43 Resp: 7627
Ion Ratio Lower Upper
43 100
74 21.6 17.7 26.5



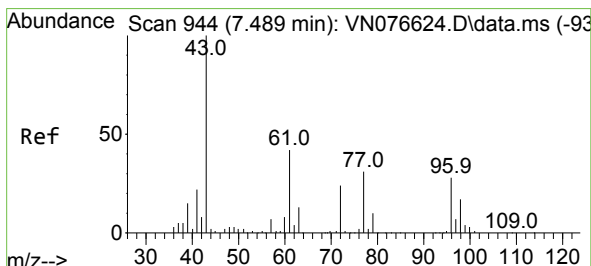
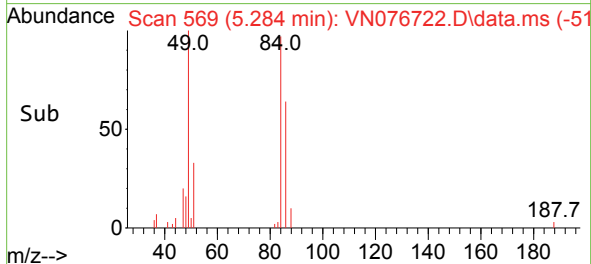
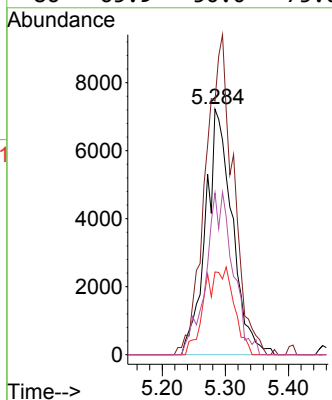


#20
Methylene Chloride
Concen: 5.803 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Instrument :
MSVOA_N
ClientSampleId :

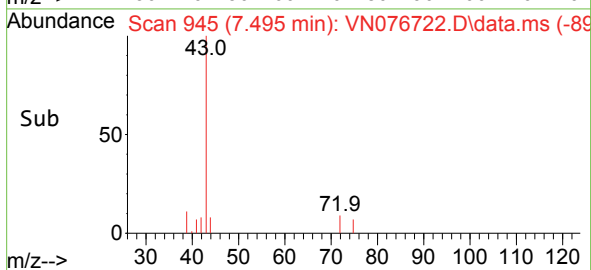
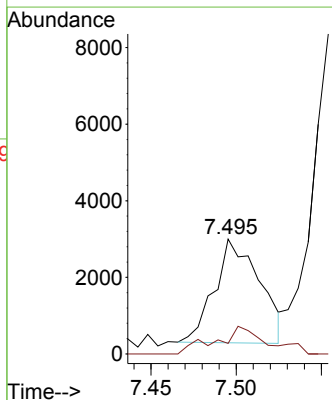
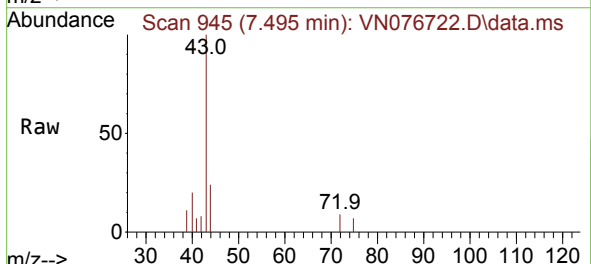


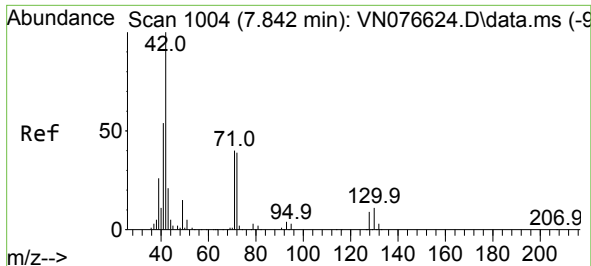
Tgt Ion:	84	Resp:	21124
Ion	Ratio	Lower	Upper
84	100		
49	103.3	104.9	157.3#
51	33.7	33.8	50.8#
86	65.9	50.0	75.0



#25
2-Butanone
Concen: 1.950 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

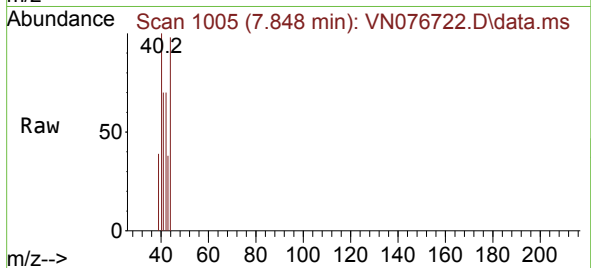
Tgt Ion:	43	Resp:	4997
Ion	Ratio	Lower	Upper
43	100		
72	10.3	19.4	29.2#



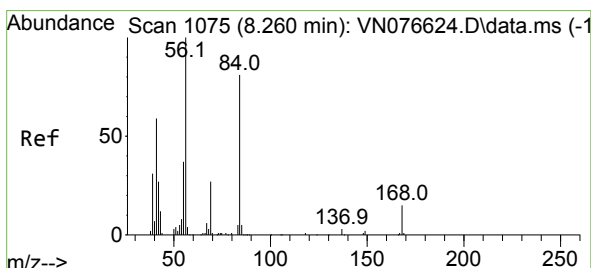
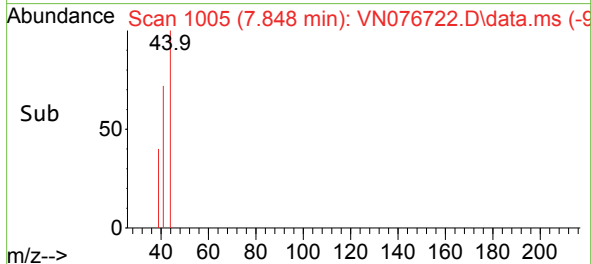
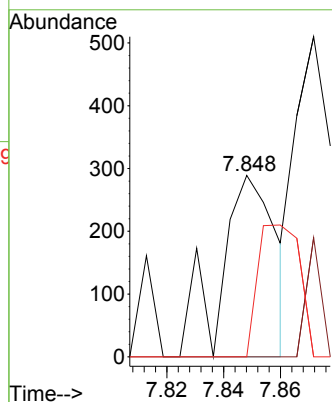


#29
Tetrahydrofuran
Concen: 0.234 ug/l
RT: 7.848 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Instrument :
MSVOA_N
ClientSampleId :

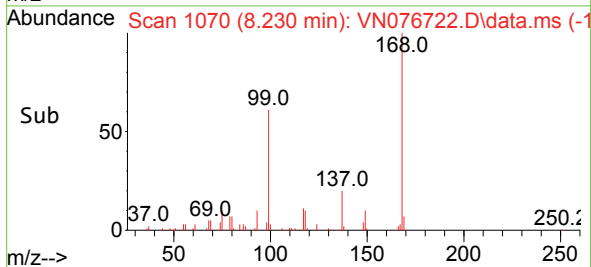
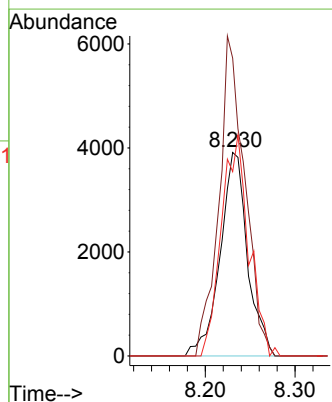
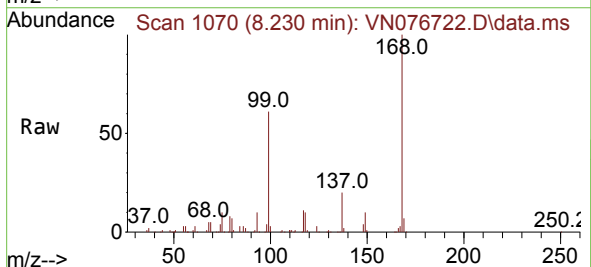


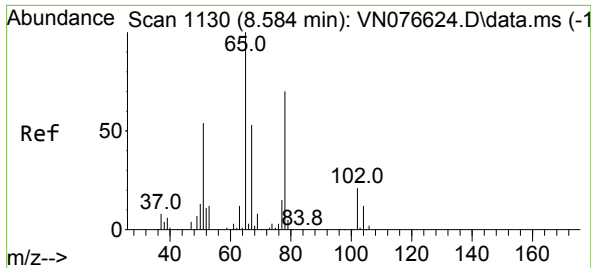
Tgt Ion: 42 Resp: 391
Ion Ratio Lower Upper
42 100
72 0.0 31.5 47.3#
71 55.0 29.8 44.8#



#31
Cyclohexane
Concen: 1.359 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.030 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Tgt Ion: 56 Resp: 8292
Ion Ratio Lower Upper
56 100
69 146.3 21.6 32.4#
84 90.5 65.1 97.7

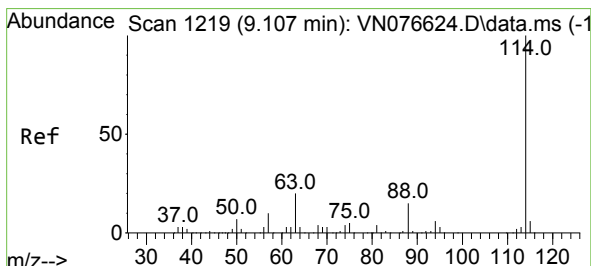
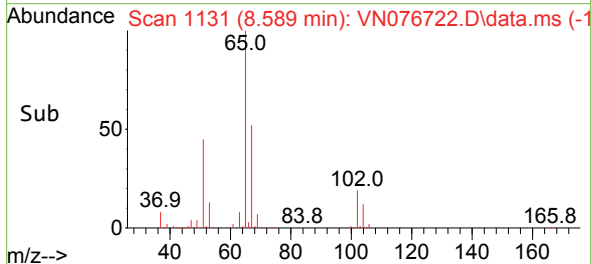
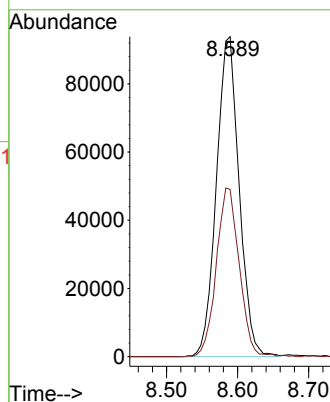
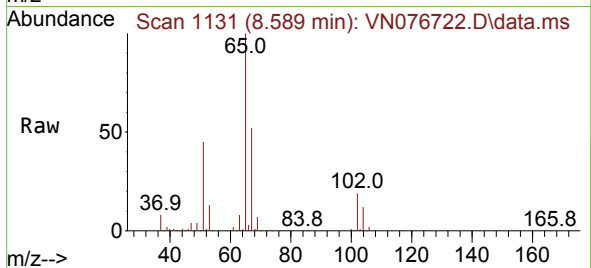




#33
1,2-Dichloroethane-d4
Concen: 53.606 ug/l
RT: 8.589 min Scan# 1130
Delta R.T. 0.005 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

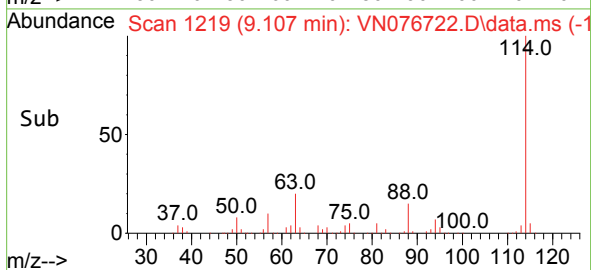
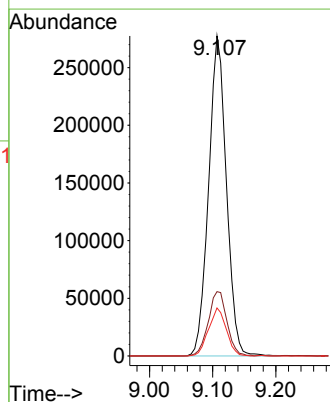
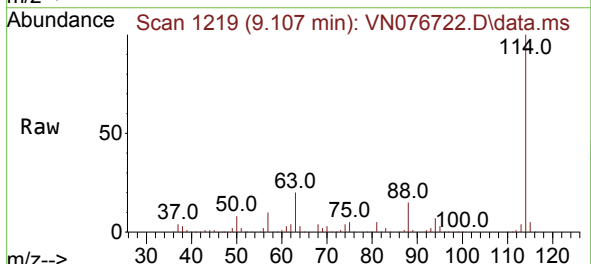
Instrument :
MSVOA_N
ClientSampleId :

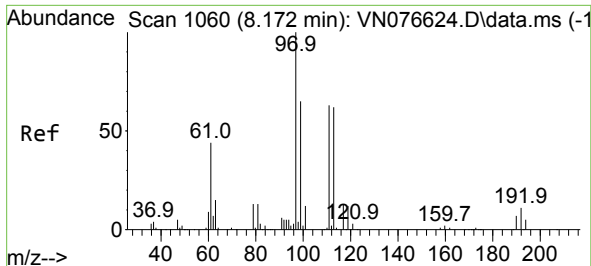
Tgt Ion: 65 Resp: 208444
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Tgt Ion: 114 Resp: 543406
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.0
88 15.0 0.0 29.6

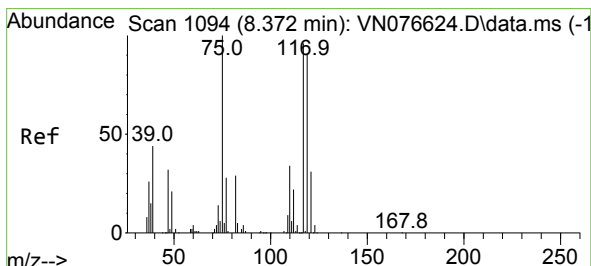
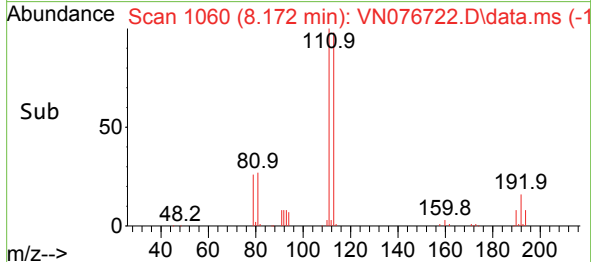
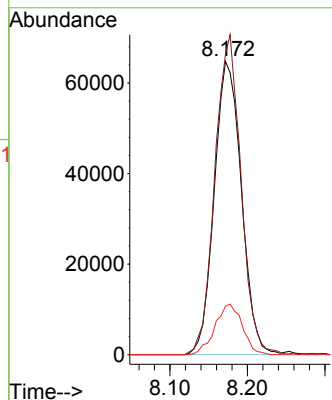
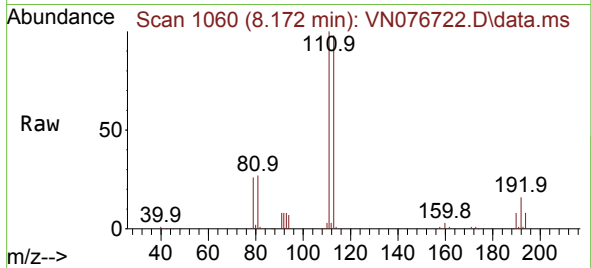




#35
Dibromofluoromethane
Concen: 44.279 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

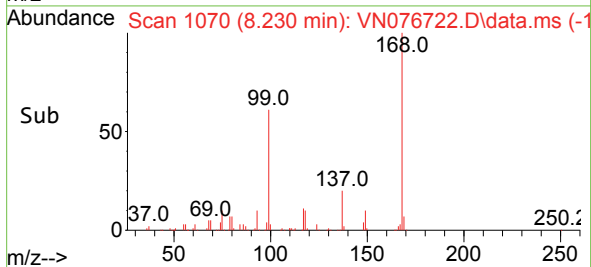
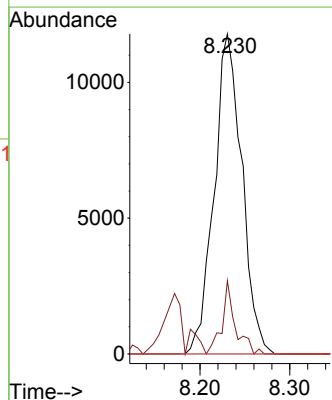
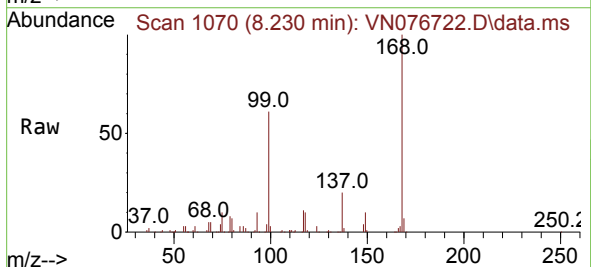
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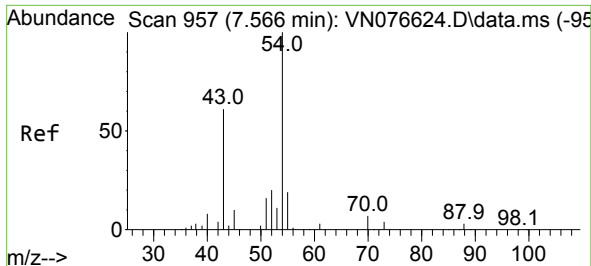
Tgt Ion:113 Resp: 157574
Ion Ratio Lower Upper
113 100
111 105.2 83.1 124.7
192 17.3 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.914 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Tgt Ion: 75 Resp: 25264
Ion Ratio Lower Upper
75 100
110 11.0 17.5 52.5#
77 0.0 24.5 36.7#

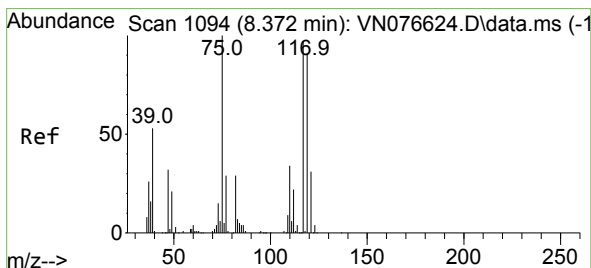
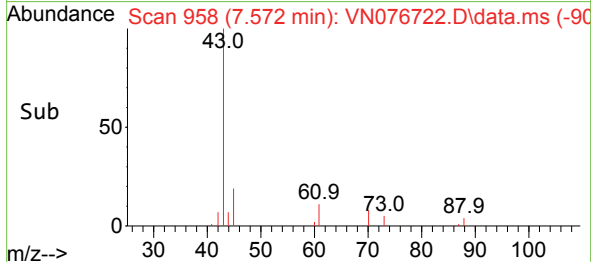
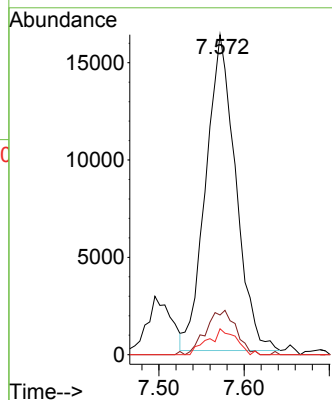
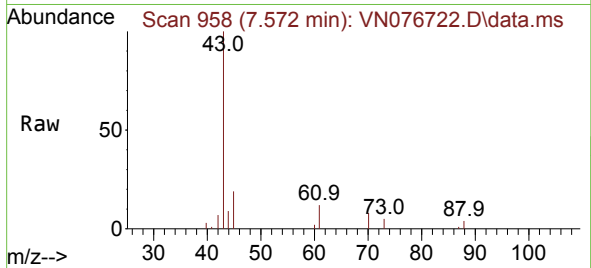




#37
Ethyl Acetate
Concen: 7.294 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

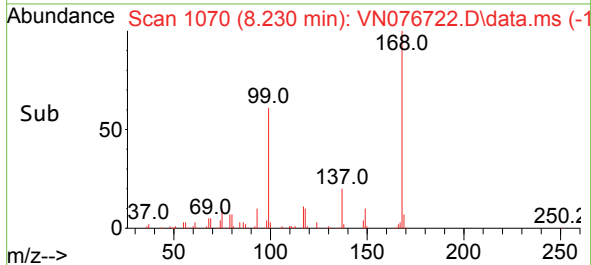
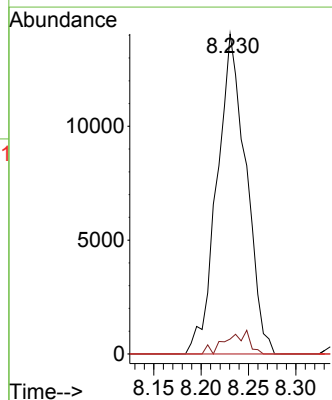
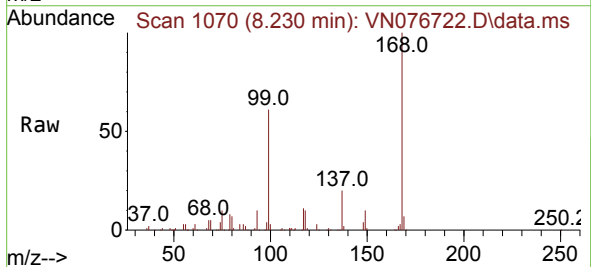
Instrument :
MSVOA_N
ClientSampleId :

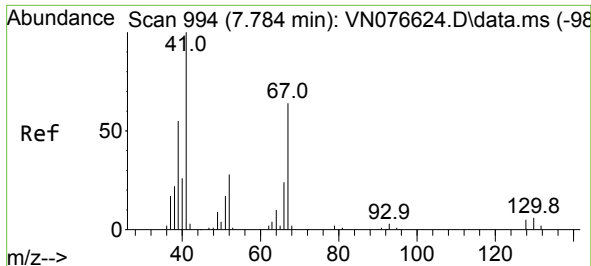
Tgt Ion: 43 Resp: 39460
Ion Ratio Lower Upper
43 100
61 14.3 9.9 14.9
70 7.7 7.8 11.6#



#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.142 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Tgt Ion: 117 Resp: 29980
Ion Ratio Lower Upper
117 100
119 4.7 75.4 113.0#
121 0.0 26.0 39.0#

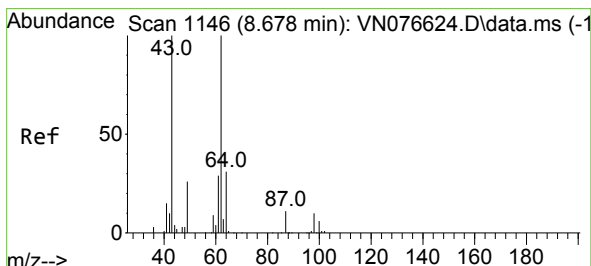
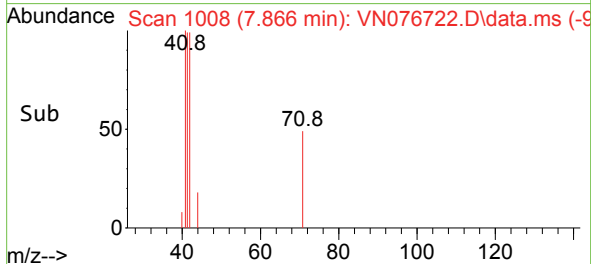
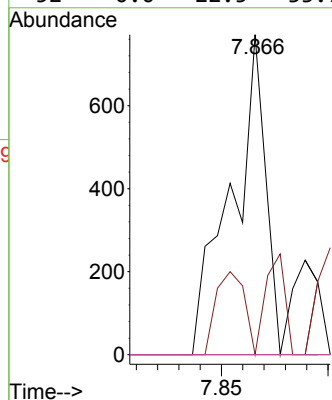
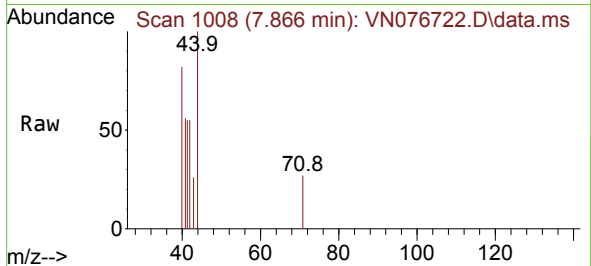




#41
Methacrylonitrile
Concen: 0.273 ug/l
RT: 7.866 min Scan# 1008
Delta R.T. 0.082 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

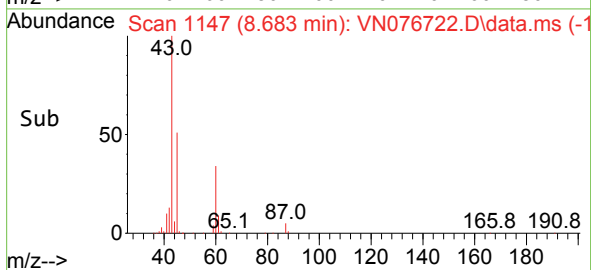
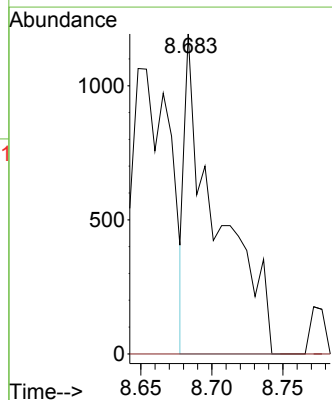
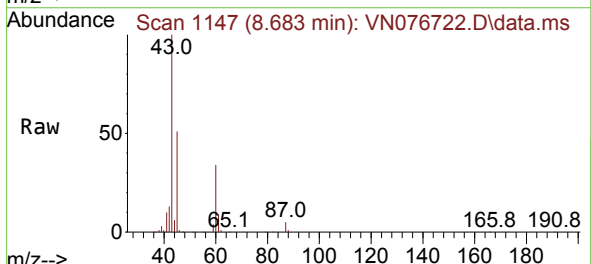
Instrument :
MSVOA_N
ClientSampleId :

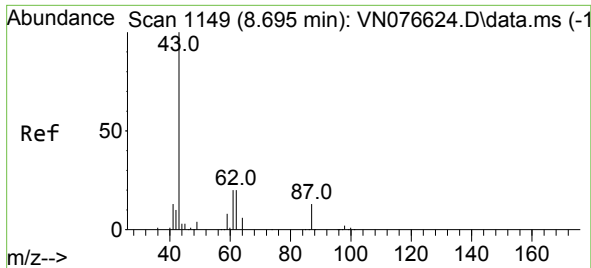
Tgt Ion: 41 Resp: 855
Ion Ratio Lower Upper
41 100
39 17.9 42.6 63.8#
67 0.0 51.4 77.0#
52 0.0 22.5 33.7#



#42
1,2-Dichloroethane
Concen: 0.337 ug/l
RT: 8.683 min Scan# 1147
Delta R.T. 0.005 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Tgt Ion: 62 Resp: 1855
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.2

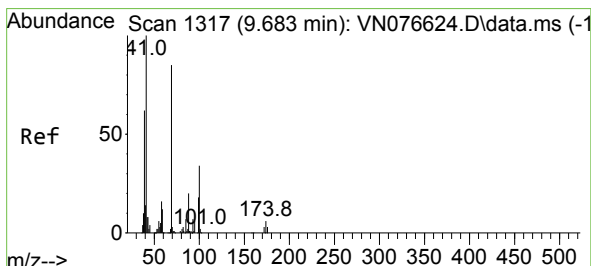
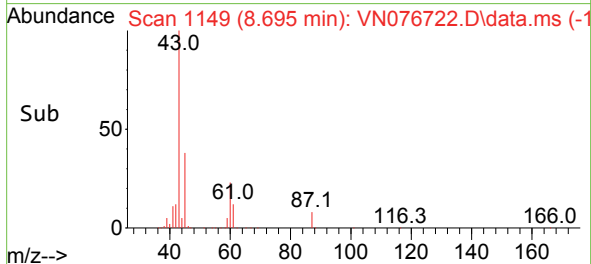
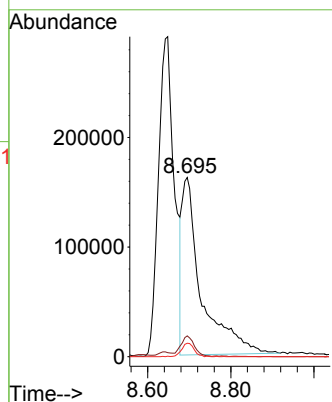
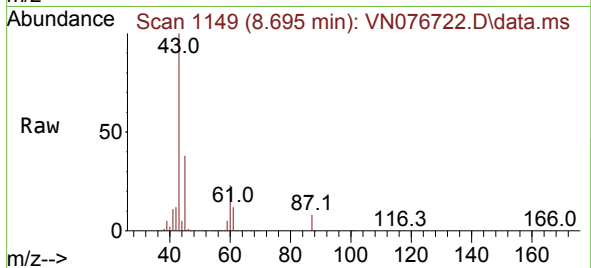




#43
Isopropyl Acetate
Concen: 59.900 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

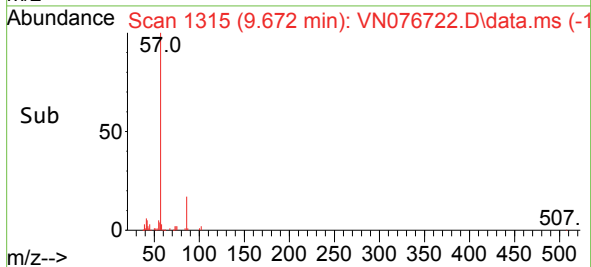
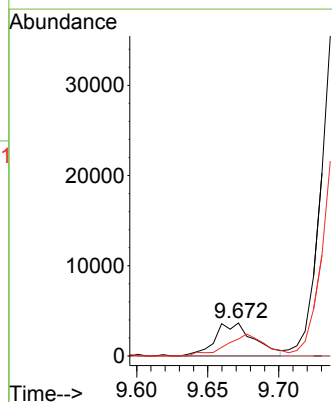
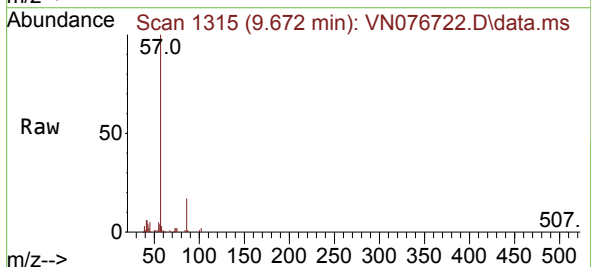
Instrument :
MSVOA_N
ClientSampleId :

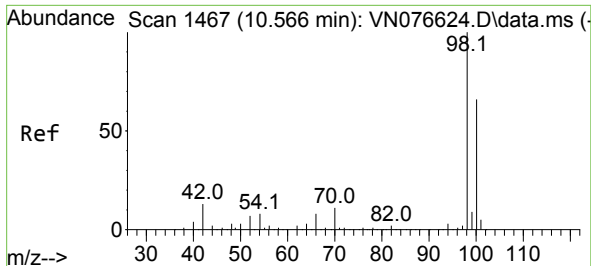
Tgt Ion: 43 Resp: 527290
Ion Ratio Lower Upper
43 100
61 7.8 20.0 30.0#
87 4.9 9.9 14.9#



#48
Methyl methacrylate
Concen: 1.671 ug/l
RT: 9.672 min Scan# 1315
Delta R.T. -0.011 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Tgt Ion: 41 Resp: 6980
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 66.2 49.3 73.9

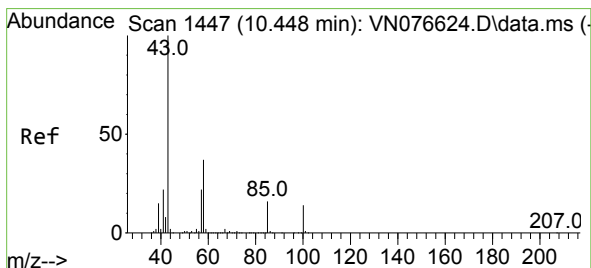
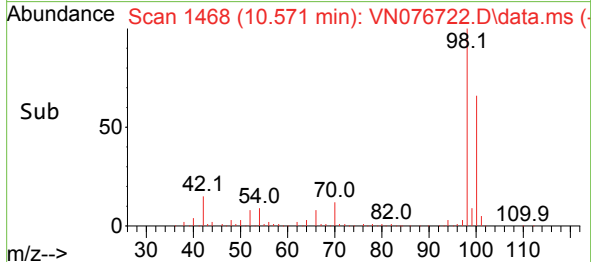
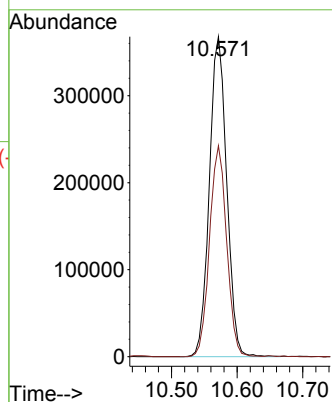
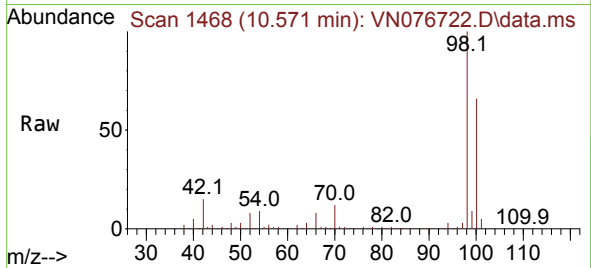




#50
Toluene-d8
Concen: 50.836 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

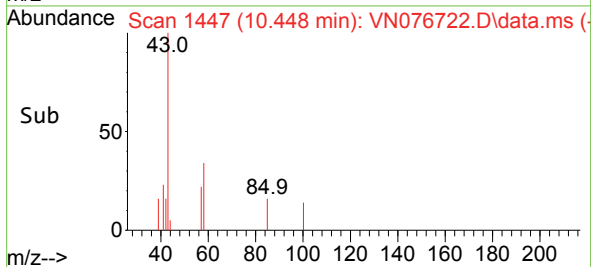
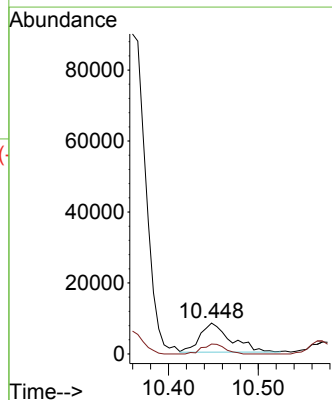
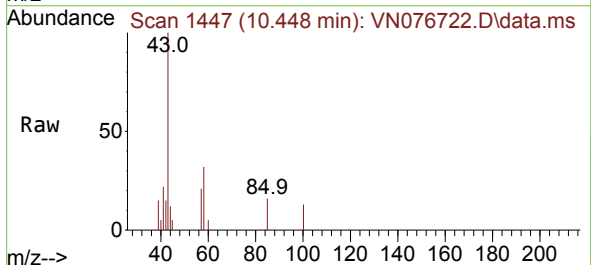
Instrument :
MSVOA_N
ClientSampleId :

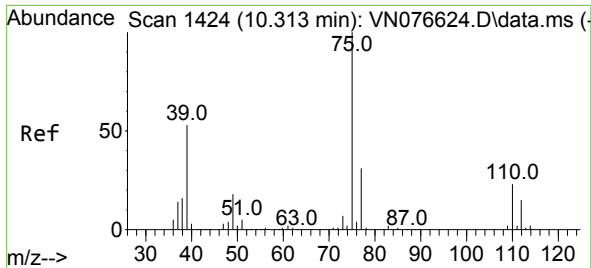
Tgt Ion: 98 Resp: 675606
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 3.484 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Tgt Ion: 43 Resp: 19513
Ion Ratio Lower Upper
43 100
58 25.4 29.5 44.3#

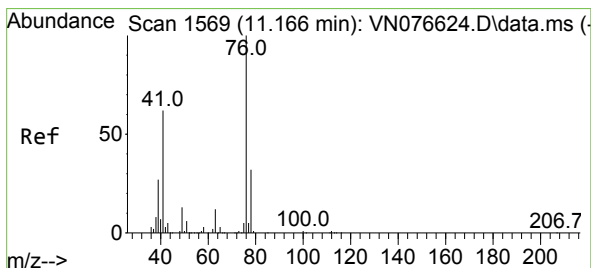
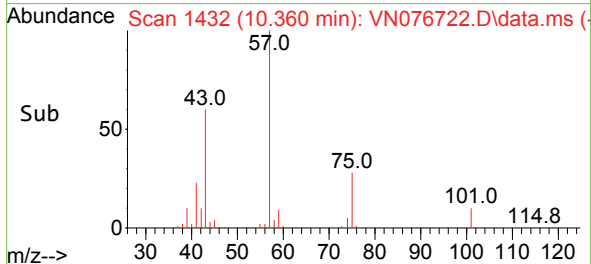
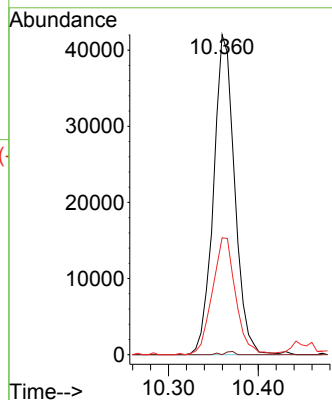
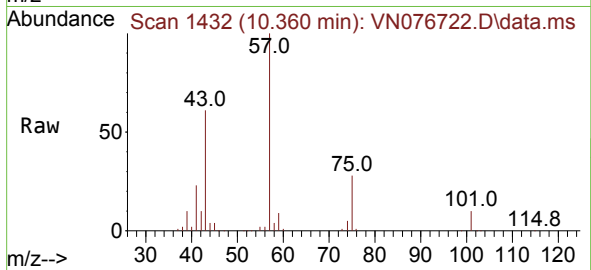




#54
 cis-1,3-Dichloropropene
 Concen: 11.528 ug/l
 RT: 10.360 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN076722.D
 Acq: 16 Feb 2023 19:28

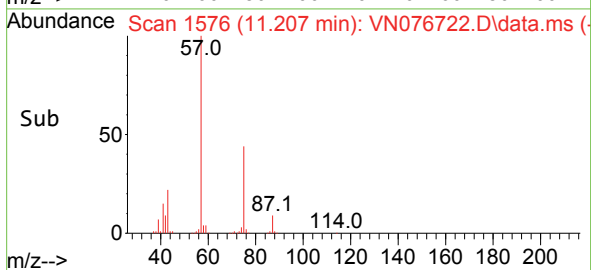
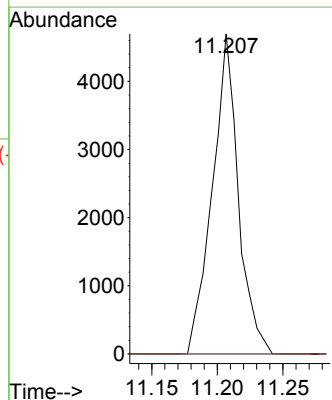
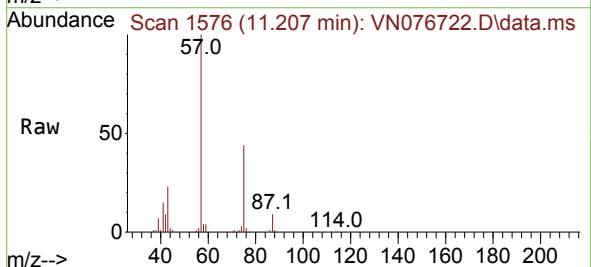
Instrument :
 MSVOA_N
 ClientSampleId :

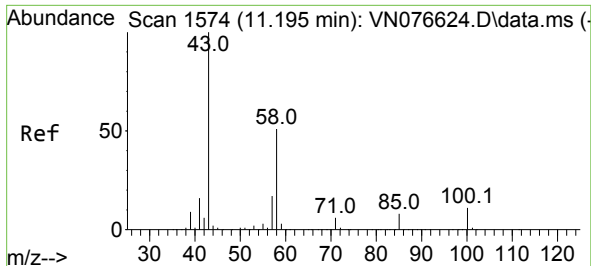
Tgt Ion: 75 Resp: 68763
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 36.2 42.3 63.5#



#57
 1,3-Dichloropropane
 Concen: 0.972 ug/l
 RT: 11.207 min Scan# 1576
 Delta R.T. 0.041 min
 Lab File: VN076722.D
 Acq: 16 Feb 2023 19:28

Tgt Ion: 76 Resp: 6476
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

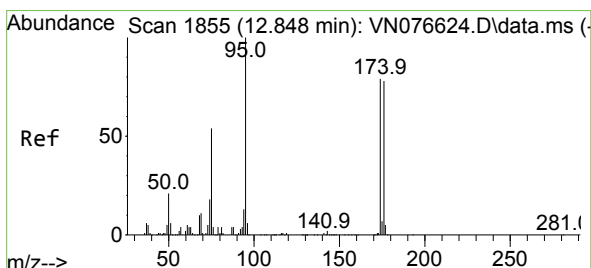
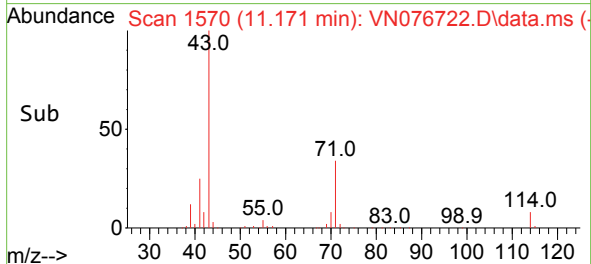
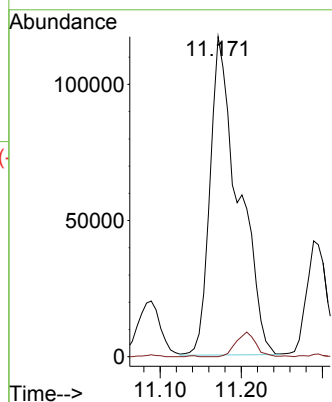
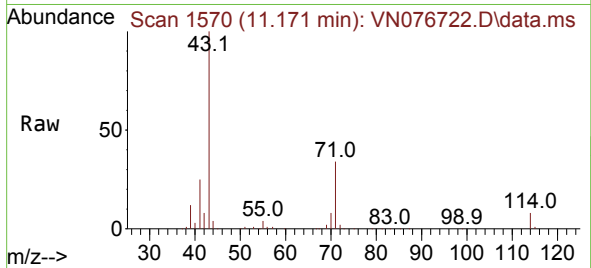




#59
2-Hexanone
Concen: 70.705 ug/l
RT: 11.171 min Scan# 1570
Delta R.T. -0.024 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

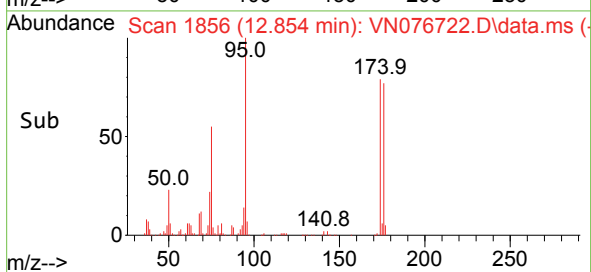
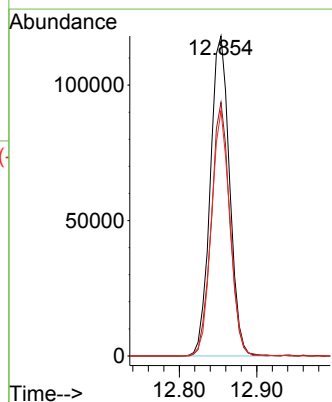
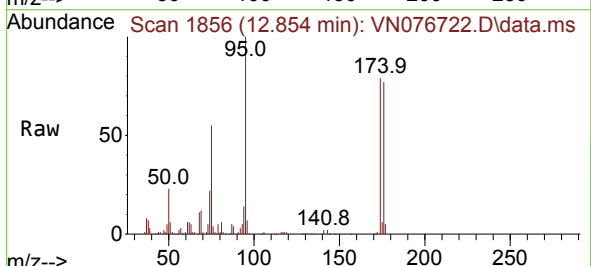
Instrument :
MSVOA_N
ClientSampleId :

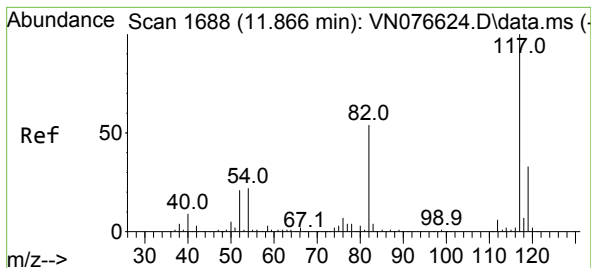
Tgt Ion: 43 Resp: 285533
Ion Ratio Lower Upper
43 100
58 0.0 25.4 76.0#



#62
4-Bromofluorobenzene
Concen: 46.355 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

Tgt Ion: 95 Resp: 204041
Ion Ratio Lower Upper
95 100
174 76.1 0.0 169.2
176 73.8 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.005 min

Lab File: VN076722.D

Acq: 16 Feb 2023 19:28

Instrument :

MSVOA_N

ClientSampleId :

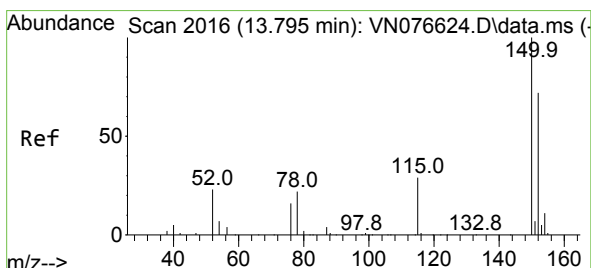
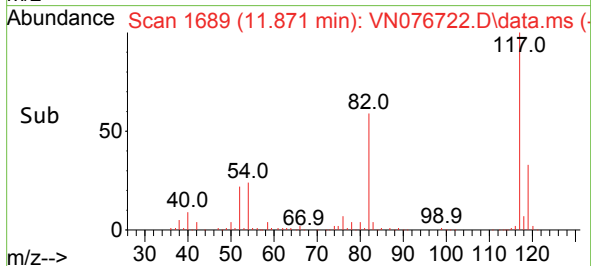
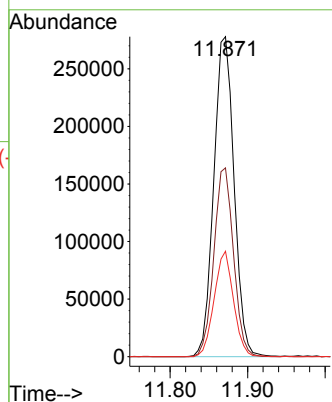
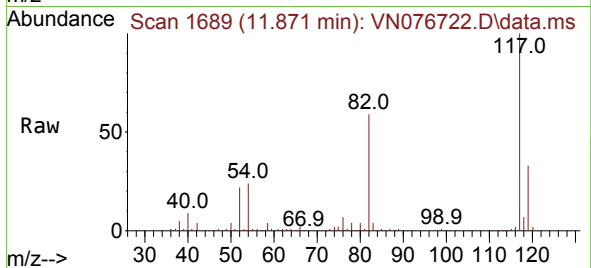
Tgt Ion:117 Resp: 506388

Ion Ratio Lower Upper

117 100

82 59.0 43.4 65.2

119 33.0 26.1 39.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076722.D

Acq: 16 Feb 2023 19:28

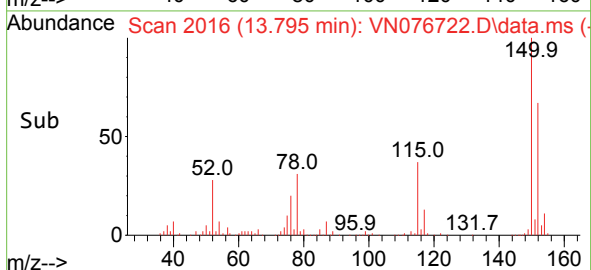
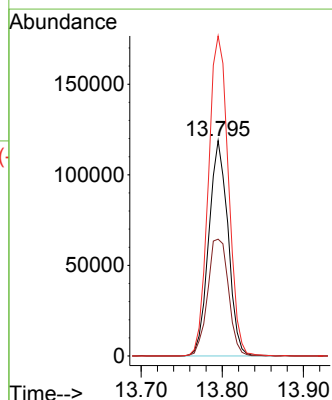
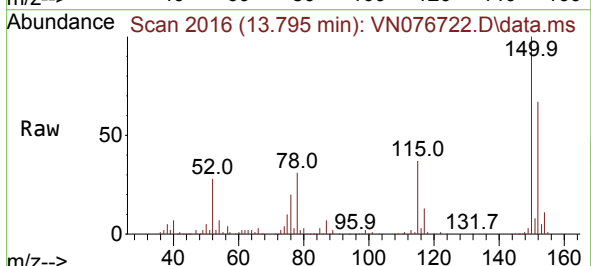
Tgt Ion:152 Resp: 195346

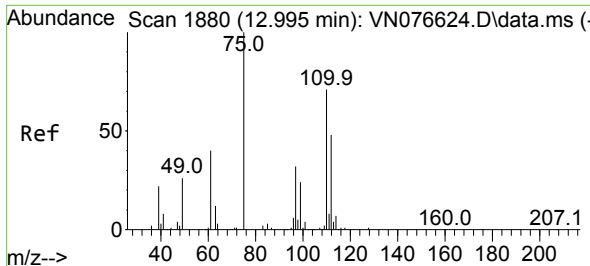
Ion Ratio Lower Upper

152 100

115 59.0 29.3 87.9

150 154.9 0.0 349.8

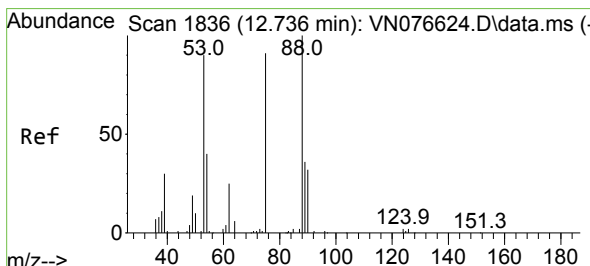
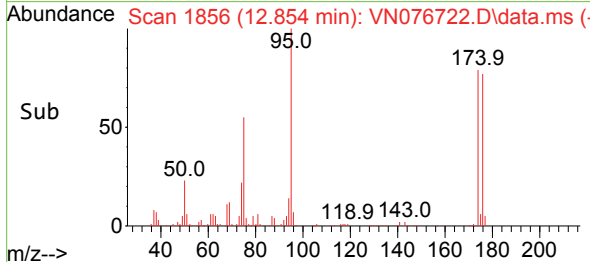
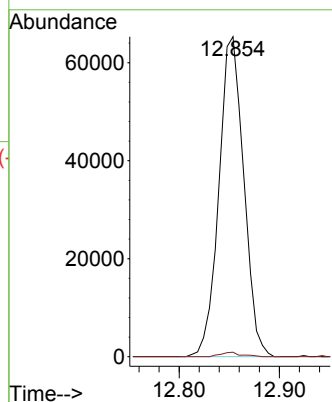
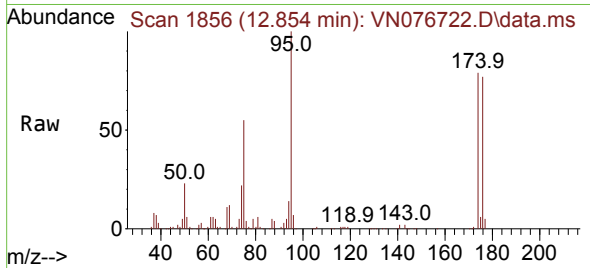




#76
1,2,3-Trichloropropane
Concen: 28.483 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

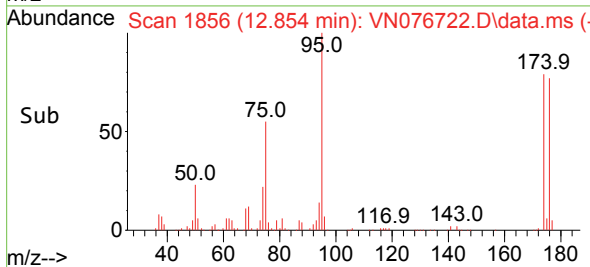
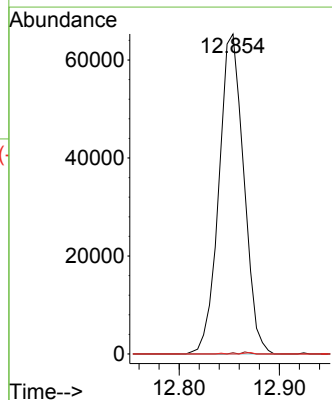
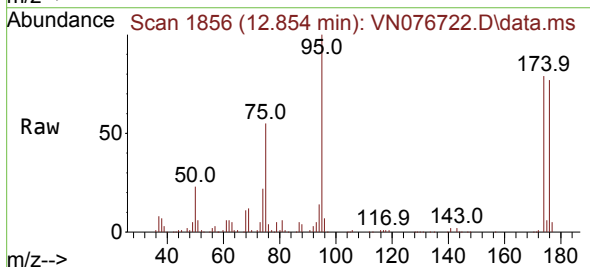
Instrument :
MSVOA_N
ClientSampleId :

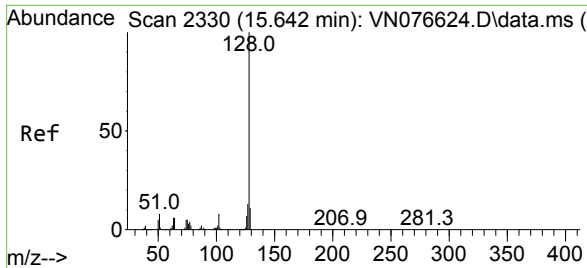
Tgt Ion: 75 Resp: 112490
Ion Ratio Lower Upper
75 100
77 1.1 93.1 279.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.959 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN076722.D
Acq: 16 Feb 2023 19:28

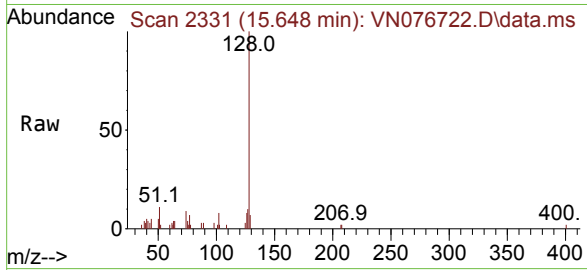
Tgt Ion: 75 Resp: 112490
Ion Ratio Lower Upper
75 100
53 0.3 92.1 138.1#
89 0.1 37.5 56.3#





#95
 Naphthalene
 Concen: 1.821 ug/l
 RT: 15.648 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN076722.D
 Acq: 16 Feb 2023 19:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	19080
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.6	16.0
129	4.5	8.6	13.0

