

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012623\
 Data File : VN076422.D
 Acq On : 26 Jan 2023 16:01
 Operator : JC\MD
 Sample : 01283-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-H

Quant Time: Jan 27 00:37:49 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)

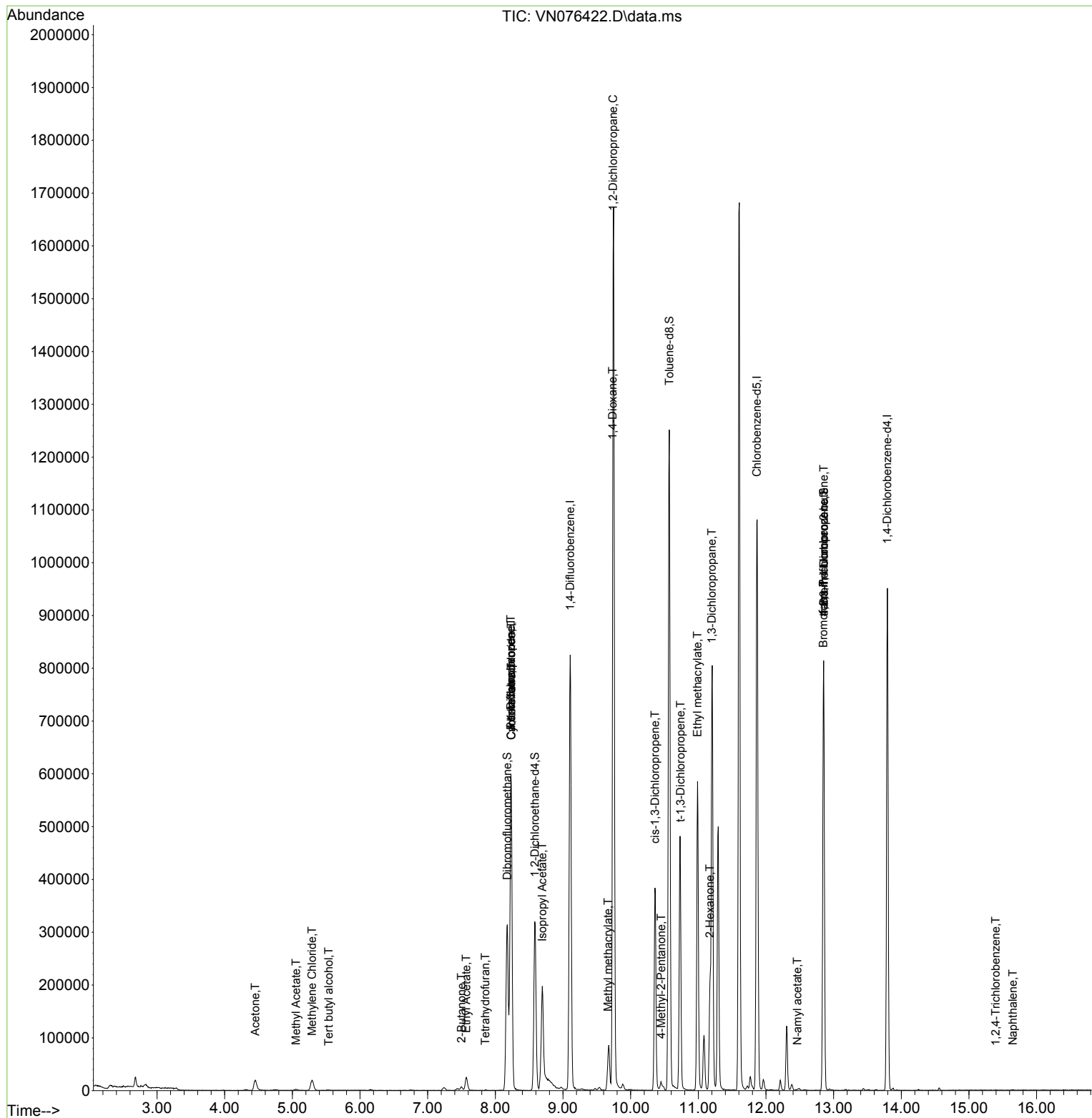
Internal Standards						
1) Pentafluorobenzene	8.230	168	442443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	746370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	653884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	258176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	266597	53.815	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.620%			
35) Dibromofluoromethane	8.177	113	224613	48.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.220%			
50) Toluene-d8	10.571	98	875725	50.788	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.853	95	272020	48.325	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.536	59	1630	2.460	ug/l #	72
16) Acetone	4.453	43	39177	24.603	ug/l	98
18) Methyl Acetate	5.053	43	3785	0.703	ug/l	93
20) Methylene Chloride	5.289	84	15771	2.787	ug/l	91
25) 2-Butanone	7.500	43	10705	4.414	ug/l	95
29) Tetrahydrofuran	7.853	42	668	0.446	ug/l #	38
31) Cyclohexane	8.236	56	9199	1.209	ug/l #	24
36) 1,1-Dichloropropene	8.230	75	35127	5.295	ug/l #	49
37) Ethyl Acetate	7.571	43	36143	6.824	ug/l	98
38) Carbon Tetrachloride	8.236	117	46590	6.297	ug/l #	17
43) Isopropyl Acetate	8.694	43	270582	31.257	ug/l #	77
45) 1,2-Dichloropropane	9.741	63	1926	0.406	ug/l #	42
48) Methyl methacrylate	9.665	41	5427	1.324	ug/l #	38
49) 1,4-Dioxane	9.735	88	128	1.480	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	16671	3.280	ug/l #	70
53) t-1,3-Dichloropropene	10.735	75	1518	0.229	ug/l #	42
54) cis-1,3-Dichloropropene	10.359	75	74449	9.760	ug/l #	64
56) Ethyl methacrylate	10.988	69	2056	0.314	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	8865	1.076	ug/l #	42
59) 2-Hexanone	11.171	43	174929	47.502	ug/l #	21
71) Bromoform	12.847	173	1934	0.521	ug/l #	1
74) N-amyl acetate	12.465	43	1420	0.247	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	147632	31.029	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	147632	95.142	ug/l #	11
93) 1,2,4-Trichlorobenzene	15.394	180	225	1.354	ug/l #	66
95) Naphthalene	15.647	128	1250	1.929	ug/l #	69

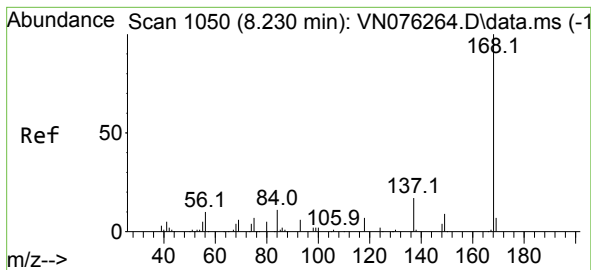
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

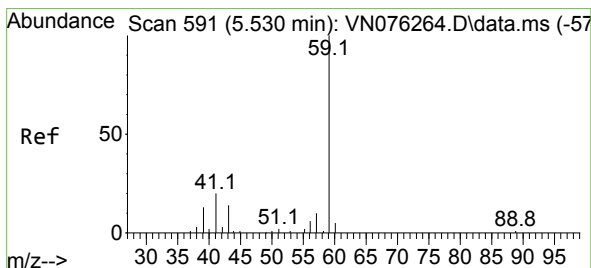
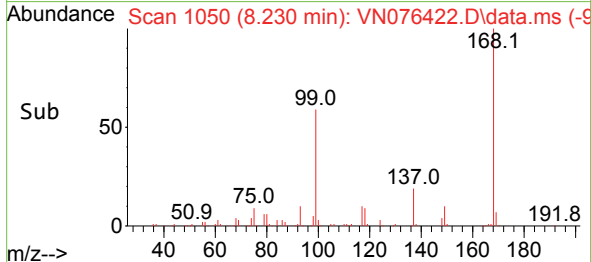
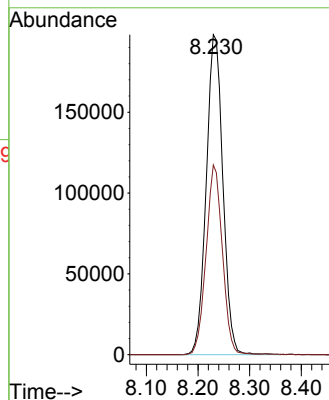
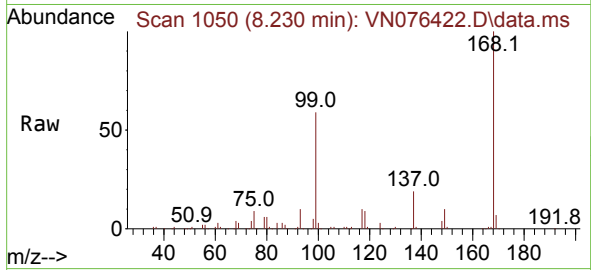




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

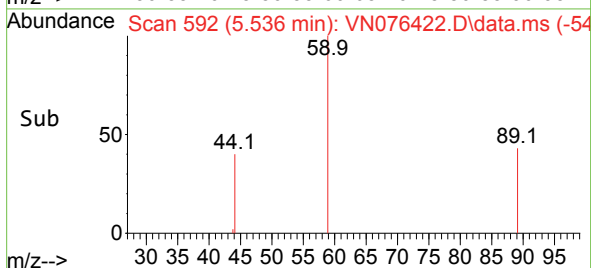
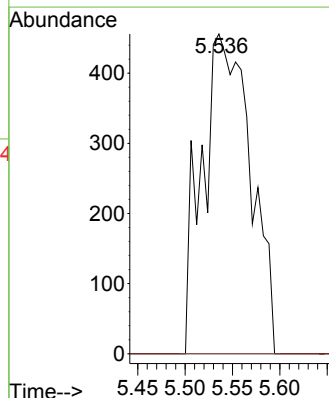
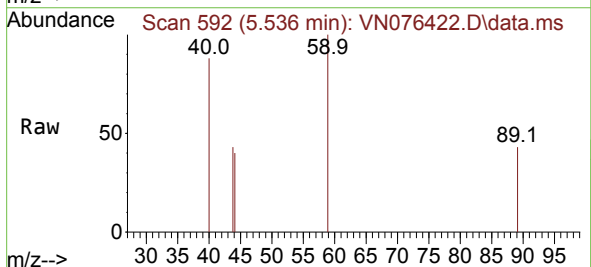
Instrument :
MSVOA_N
ClientSampleId :
TP-H

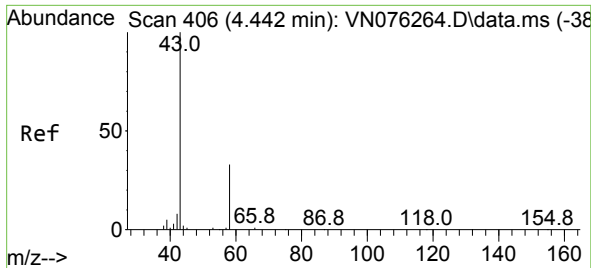
Tgt Ion:168 Resp: 442443
Ion Ratio Lower Upper
168 100
99 59.3 41.6 62.4



#11
Tert butyl alcohol
Concen: 2.460 ug/l
RT: 5.536 min Scan# 592
Delta R.T. 0.006 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 59 Resp: 1630
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

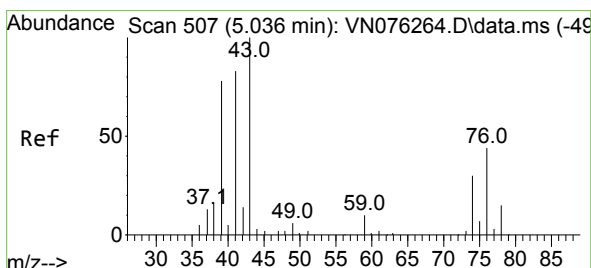
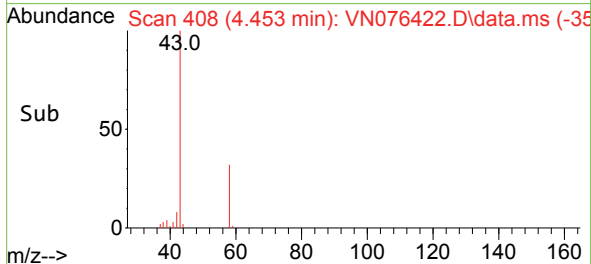
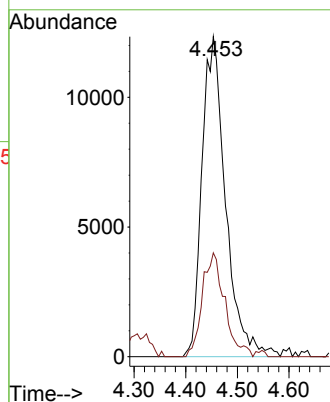
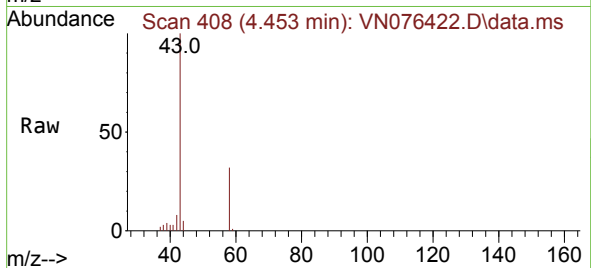




#16
Acetone
Concen: 24.603 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

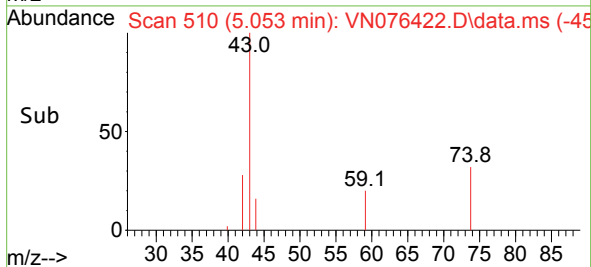
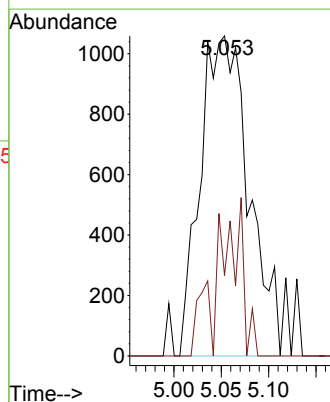
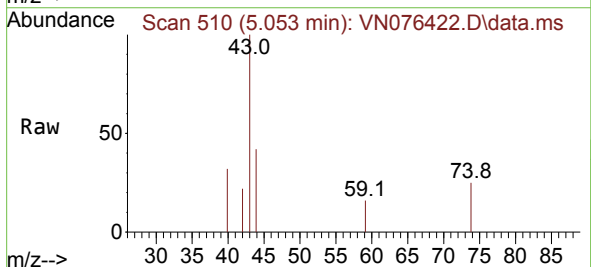
Instrument :
MSVOA_N
ClientSampleId :
TP-H

Tgt Ion: 43 Resp: 39177
Ion Ratio Lower Upper
43 100
58 32.4 26.7 40.1



#18
Methyl Acetate
Concen: 0.703 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.017 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 43 Resp: 3785
Ion Ratio Lower Upper
43 100
74 25.5 23.3 34.9

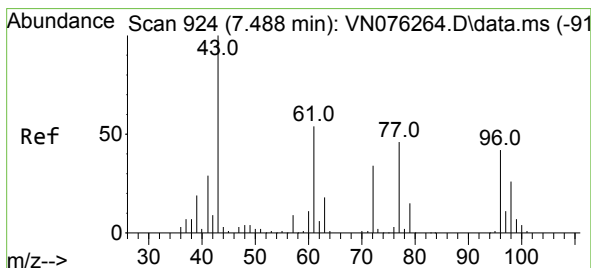
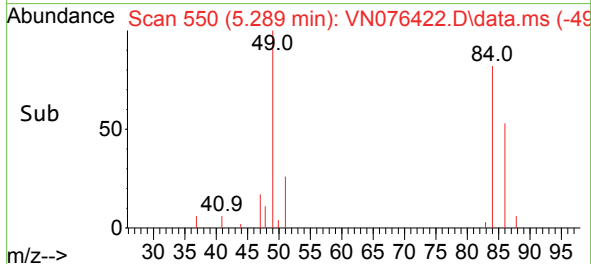
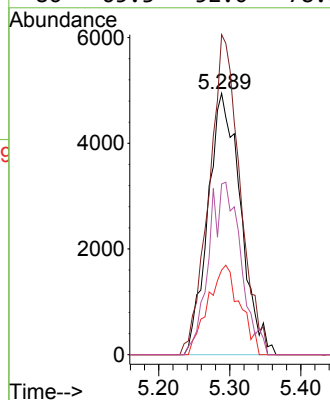
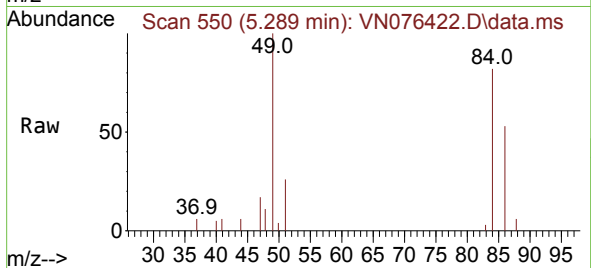




#20
Methylene Chloride
Concen: 2.787 ug/l
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

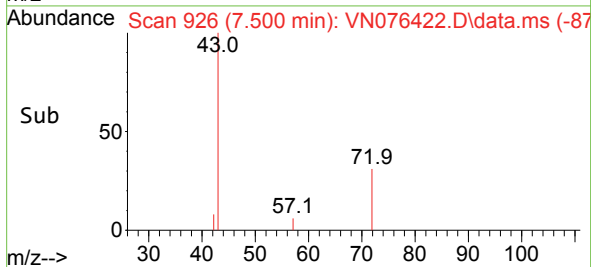
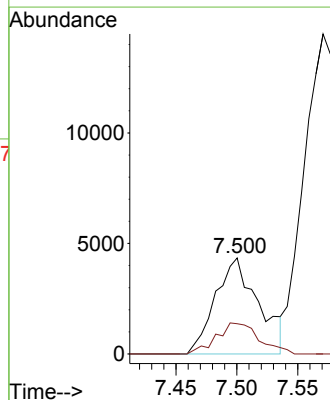
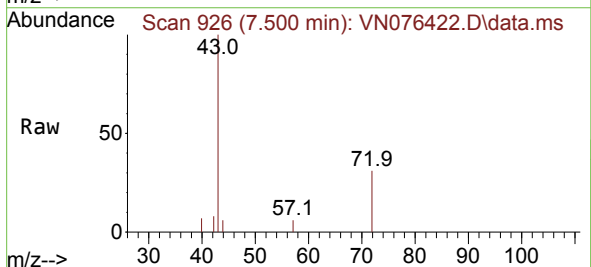
Instrument :
MSVOA_N
ClientSampleId :
TP-H

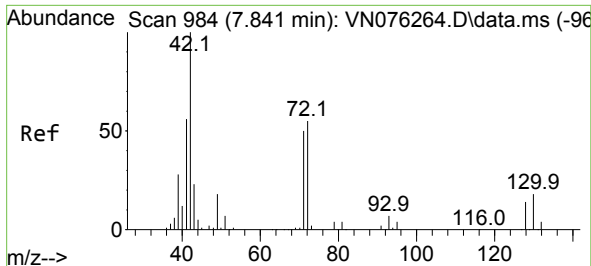
Tgt Ion: 84	Resp: 15771		
Ion	Ratio	Lower	Upper
84	100		
49	122.5	84.5	126.7
51	32.4	26.0	39.0
86	65.3	52.0	78.0



#25
2-Butanone
Concen: 4.414 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 43	Resp: 10705
Ion Ratio	Lower Upper
43 100	
72 31.5	27.4 41.2





#29

Tetrahydrofuran

Concen: 0.446 ug/l

RT: 7.853 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076422.D

Acq: 26 Jan 2023 16:01

Instrument :

MSVOA_N

ClientSampleId :

TP-H

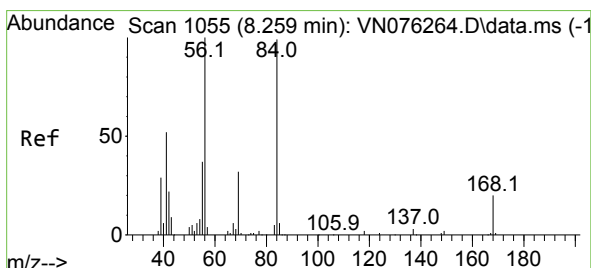
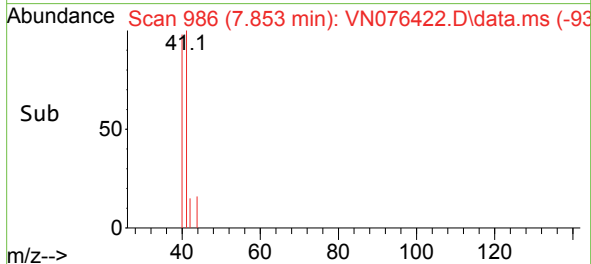
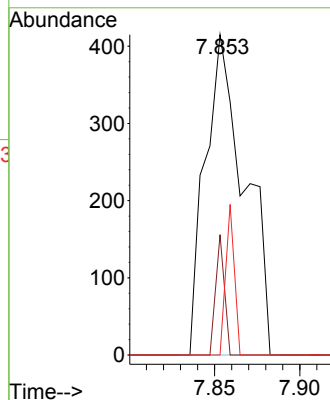
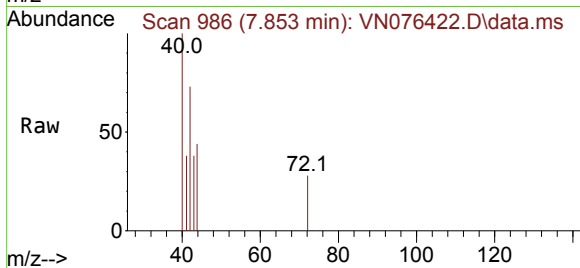
Tgt Ion: 42 Resp: 668

Ion Ratio Lower Upper

42 100

72 8.2 44.0 66.0#

71 10.3 41.1 61.7#



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.024 min

Lab File: VN076422.D

Acq: 26 Jan 2023 16:01

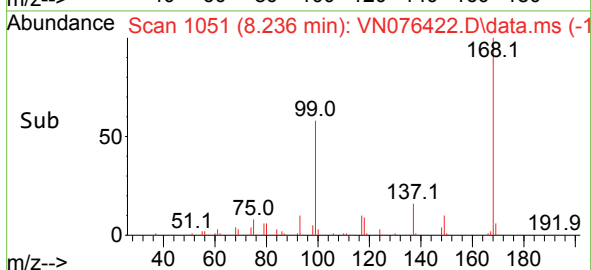
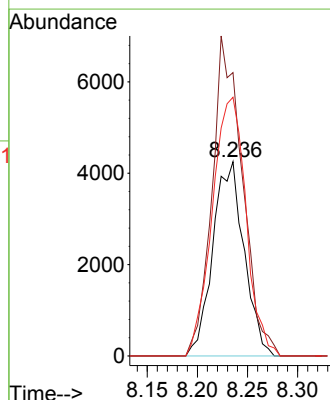
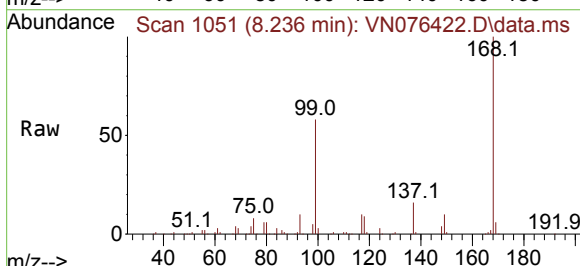
Tgt Ion: 56 Resp: 9199

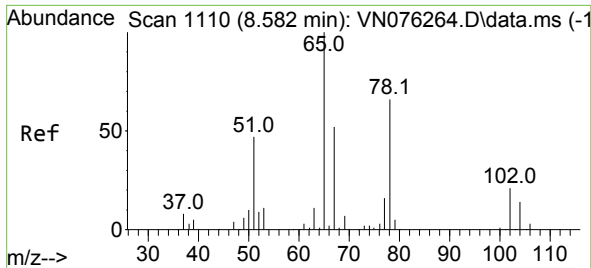
Ion Ratio Lower Upper

56 100

69 145.9 25.8 38.8#

84 133.2 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 53.815 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.001 min

Lab File: VN076422.D

Acq: 26 Jan 2023 16:01

Instrument :

MSVOA_N

ClientSampleId :

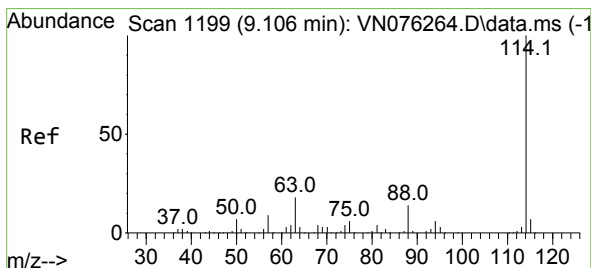
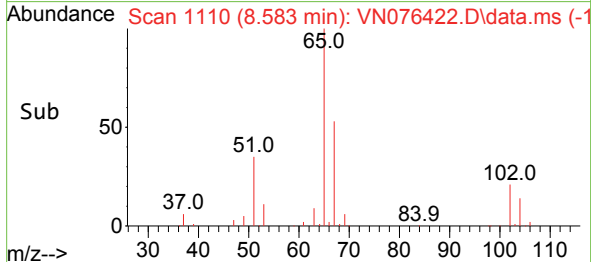
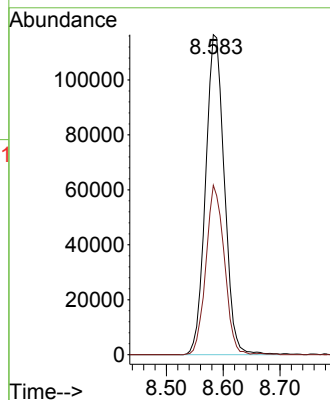
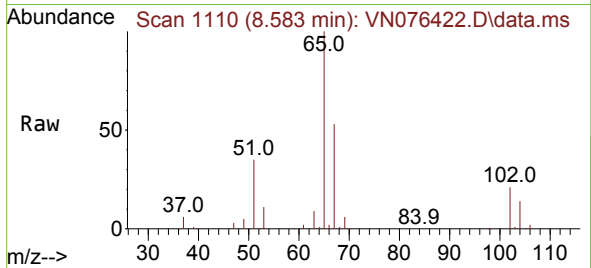
TP-H

Tgt Ion: 65 Resp: 266597

Ion Ratio Lower Upper

65 100

67 51.8 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: VN076422.D

Acq: 26 Jan 2023 16:01

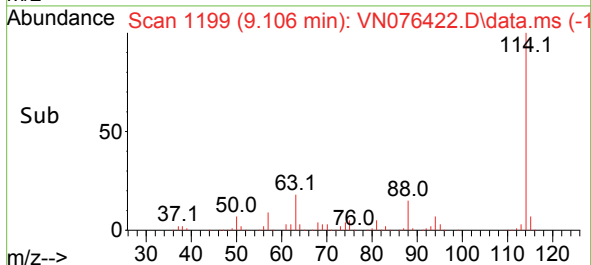
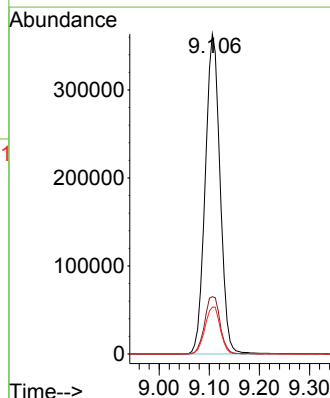
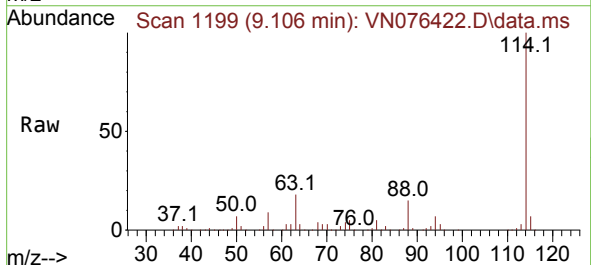
Tgt Ion: 114 Resp: 746370

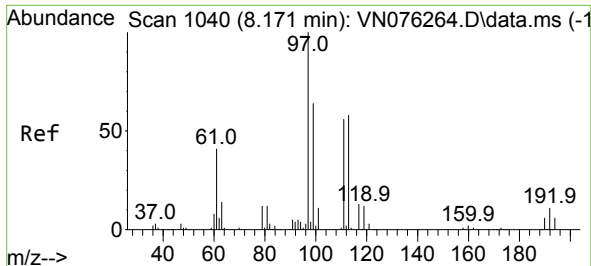
Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.8

88 14.6 0.0 28.0

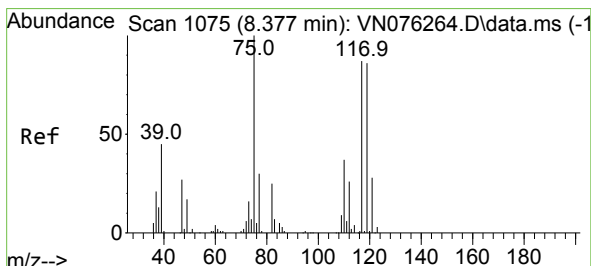
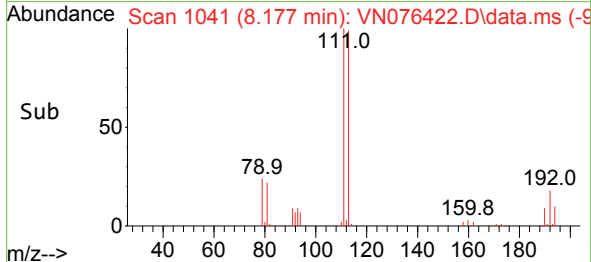
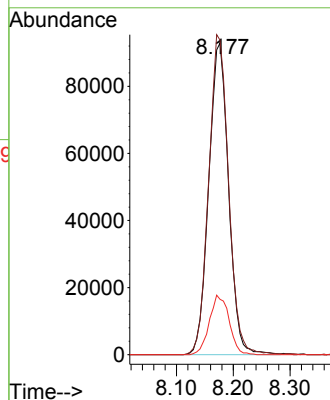
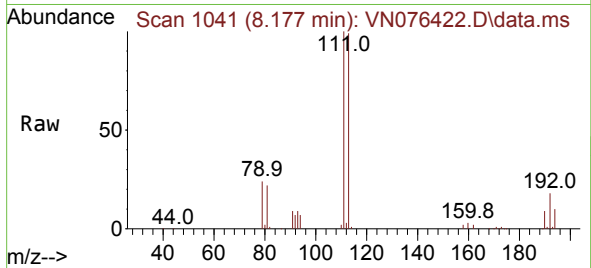




#35
Dibromofluoromethane
Concen: 48.109 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

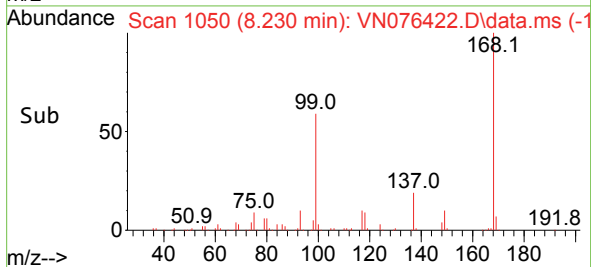
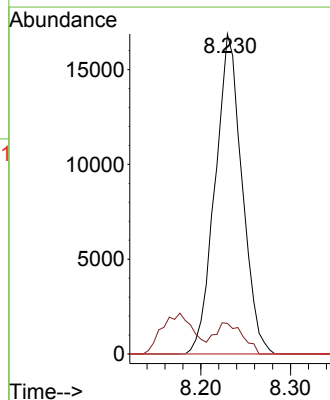
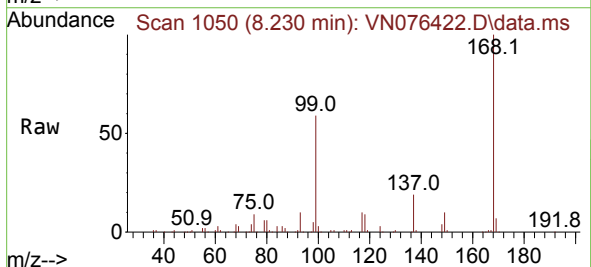
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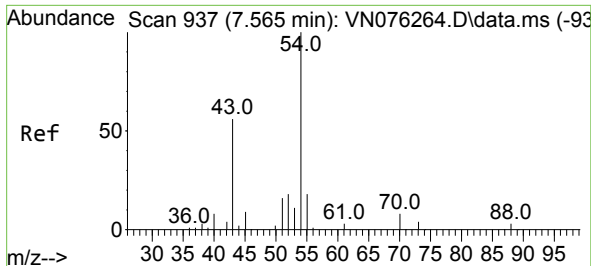
Tgt Ion:113 Resp: 224613
Ion Ratio Lower Upper
113 100
111 103.1 82.7 124.1
192 19.0 15.6 23.4



#36
1,1-Dichloropropene
Concen: 5.295 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 75 Resp: 35127
Ion Ratio Lower Upper
75 100
110 10.1 18.8 56.3#
77 0.0 25.0 37.4#

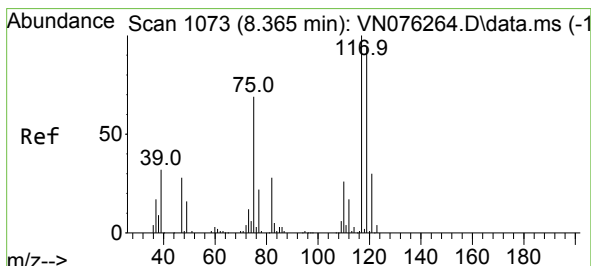
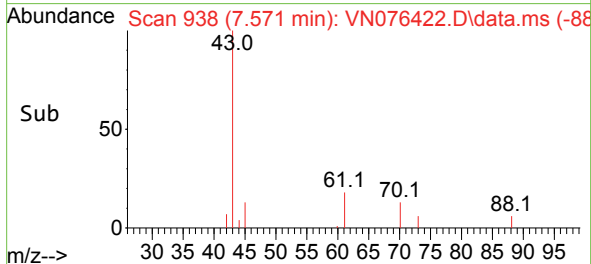
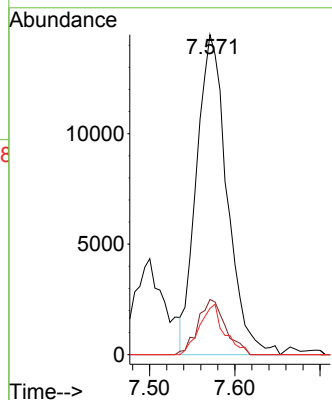
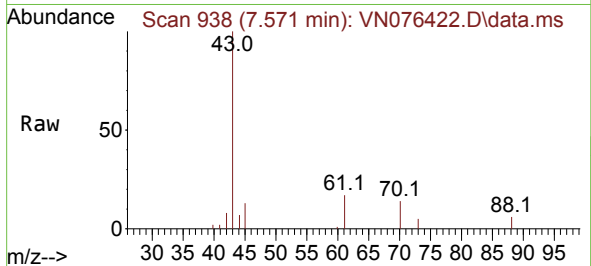




#37
Ethyl Acetate
Concen: 6.824 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

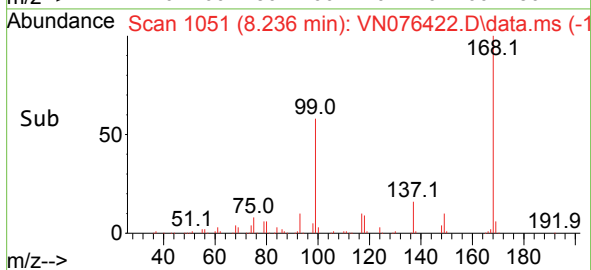
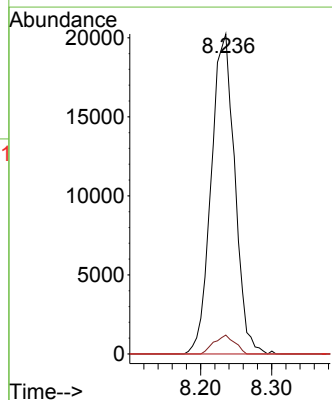
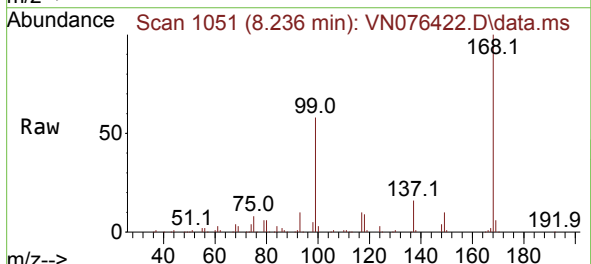
Instrument :
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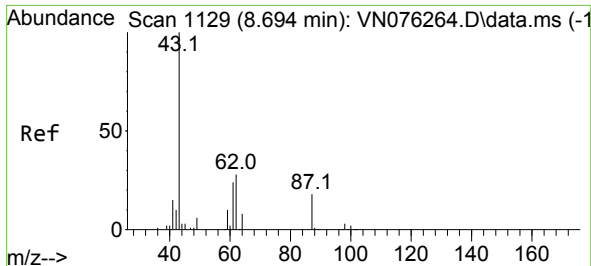
Tgt Ion: 43 Resp: 36143
Ion Ratio Lower Upper
43 100
61 15.6 11.1 16.7
70 12.7 10.0 15.0



#38
Carbon Tetrachloride
Concen: 6.297 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.130 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 117 Resp: 46590
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.0#
121 0.0 24.2 36.2#

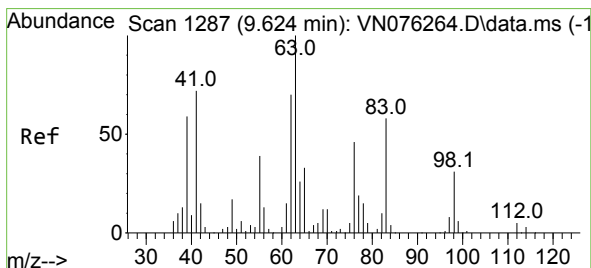
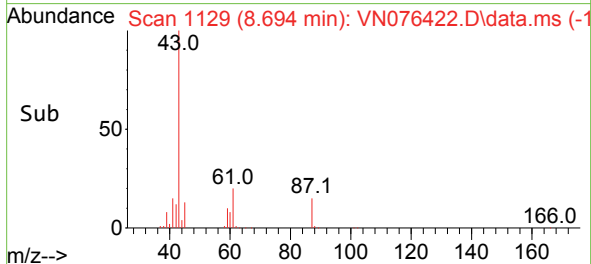
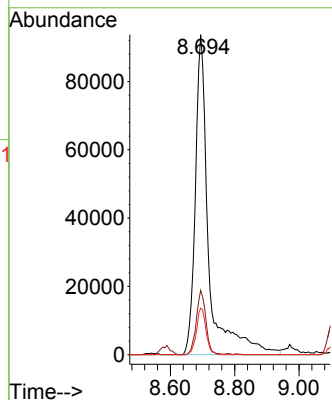
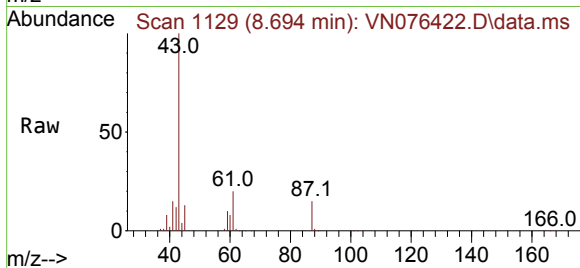




#43
Isopropyl Acetate
Concen: 31.257 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

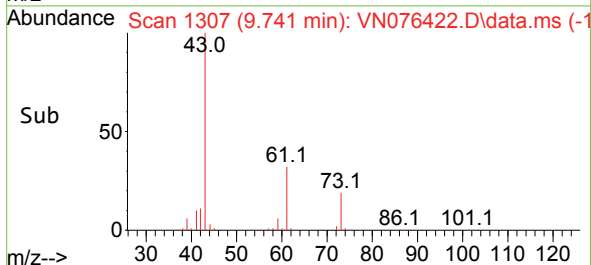
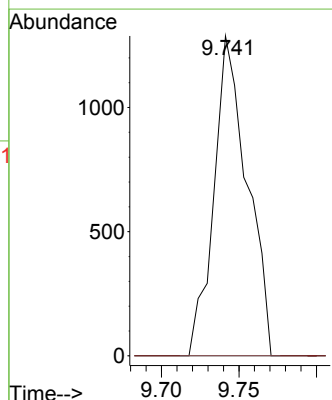
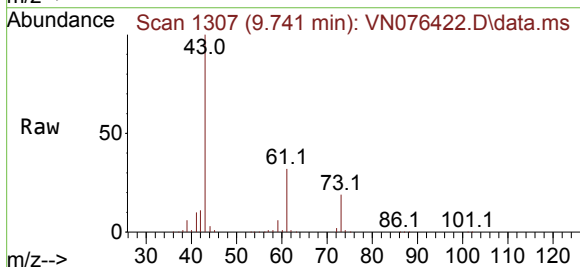
Instrument :
MSVOA_N
ClientSampleId :
TP-H

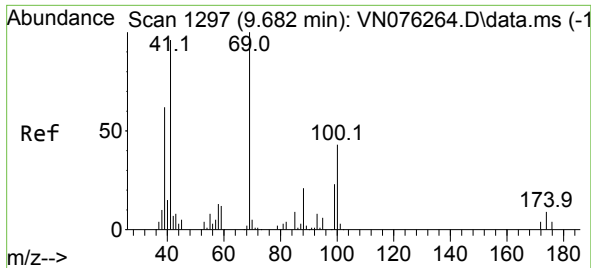
Tgt Ion: 43 Resp: 270582
Ion Ratio Lower Upper
43 100
61 14.3 23.5 35.3#
87 10.3 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.406 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.117 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 63 Resp: 1926
Ion Ratio Lower Upper
63 100
65 0.0 26.4 39.6#

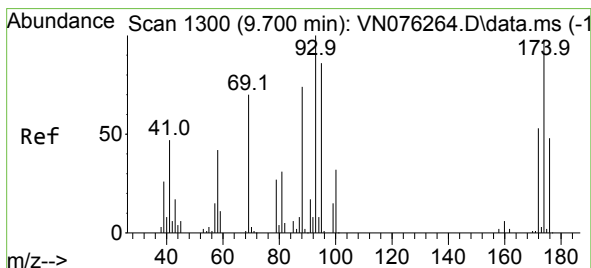
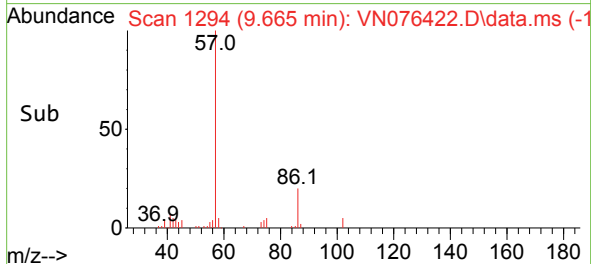
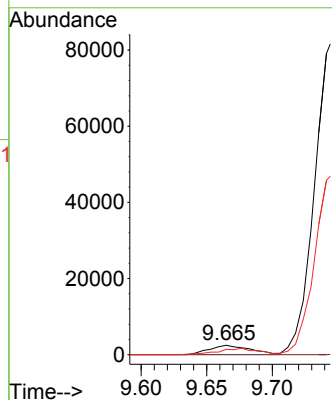
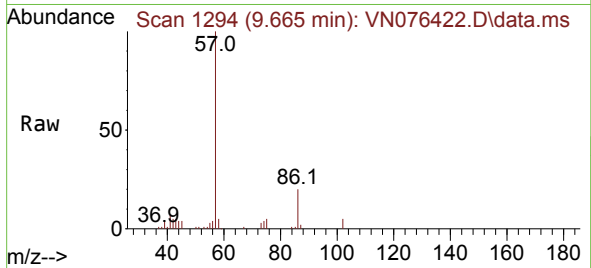




#48
Methyl methacrylate
Concen: 1.324 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.017 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

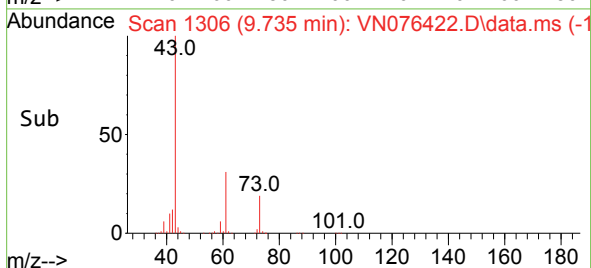
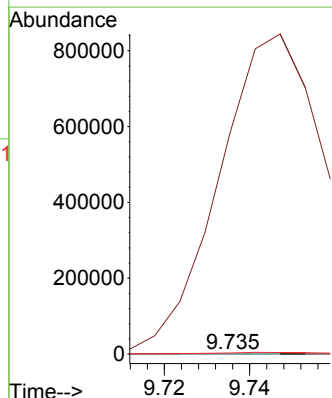
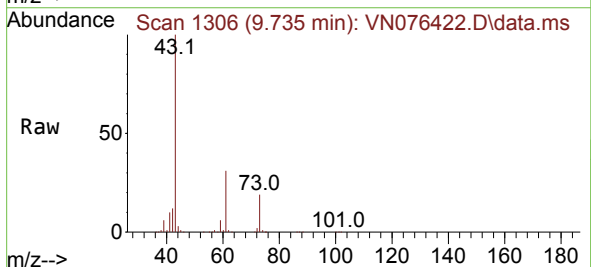
Instrument :
MSVOA_N
ClientSampleId :
TP-H

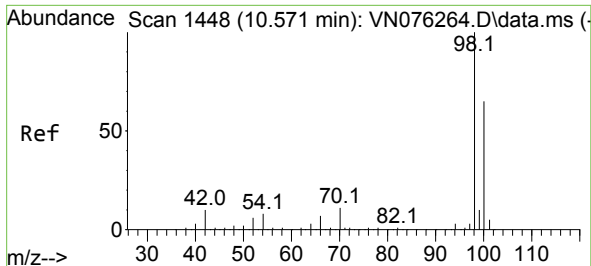
Tgt Ion: 41 Resp: 5427
Ion Ratio Lower Upper
41 100
69 0.0 80.8 121.2#
39 63.2 54.4 81.6



#49
1,4-Dioxane
Concen: 1.480 ug/l
RT: 9.735 min Scan# 1306
Delta R.T. 0.035 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 88 Resp: 128
Ion Ratio Lower Upper
88 100
43 1201800.8 18.1 27.1#
58 6032.8 46.5 69.7#

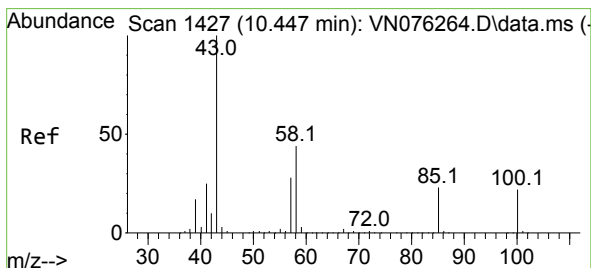
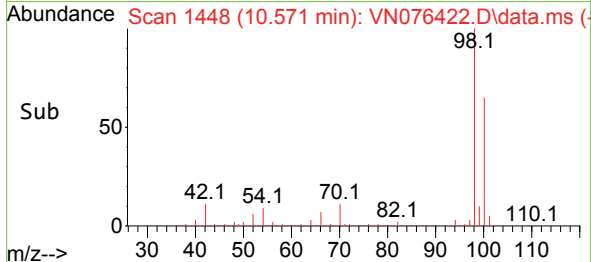
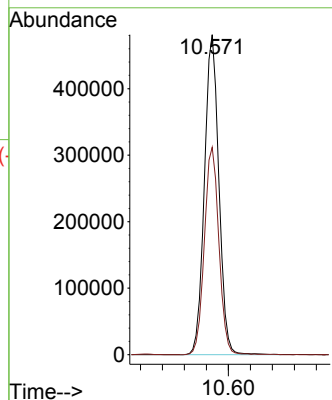
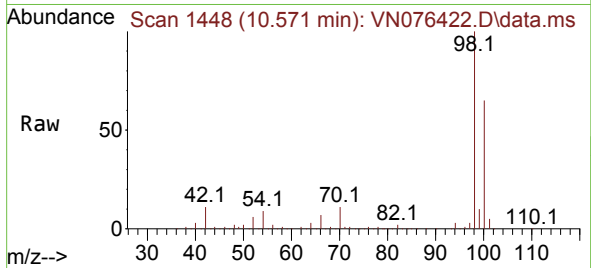




#50
Toluene-d8
Concen: 50.788 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

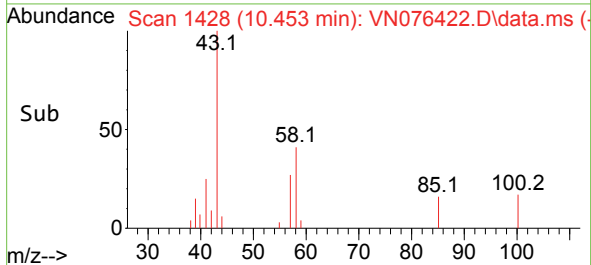
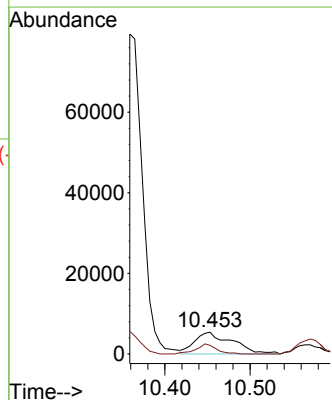
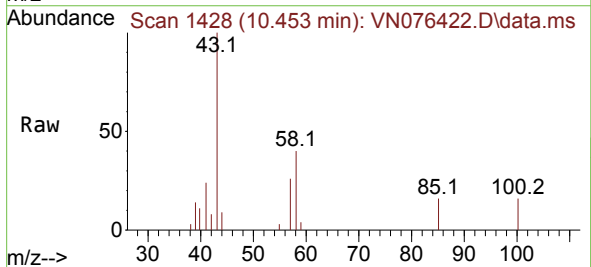
Instrument :
MSVOA_N
ClientSampleId :
TP-H

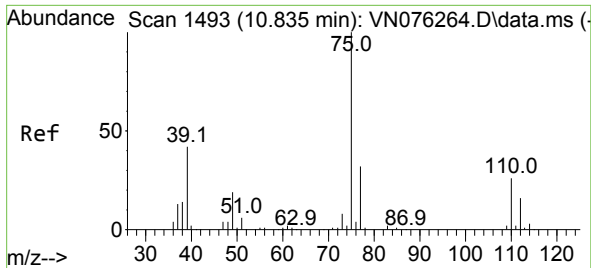
Tgt Ion: 98 Resp: 875725
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 3.280 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 43 Resp: 16671
Ion Ratio Lower Upper
43 100
58 24.6 35.1 52.7#

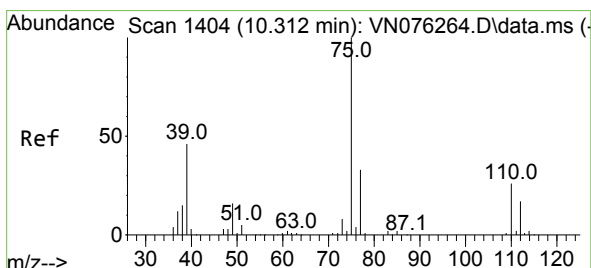
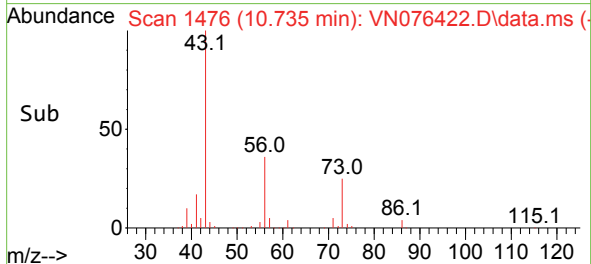
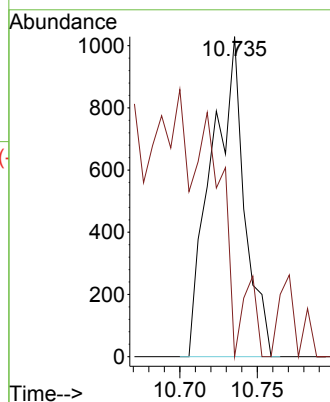
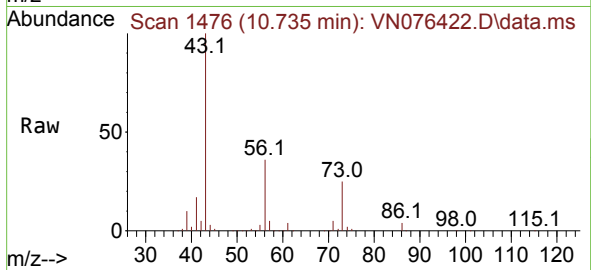




#53
 t-1,3-Dichloropropene
 Concen: 0.229 ug/l
 RT: 10.735 min Scan# 1412
 Delta R.T. -0.100 min
 Lab File: VN076422.D
 Acq: 26 Jan 2023 16:01

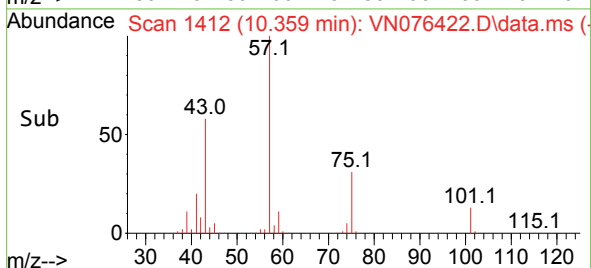
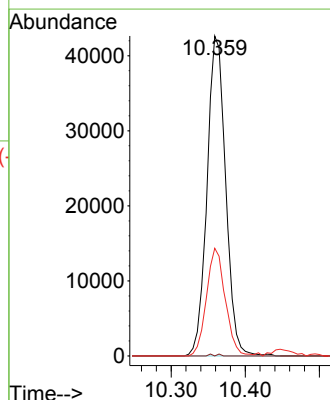
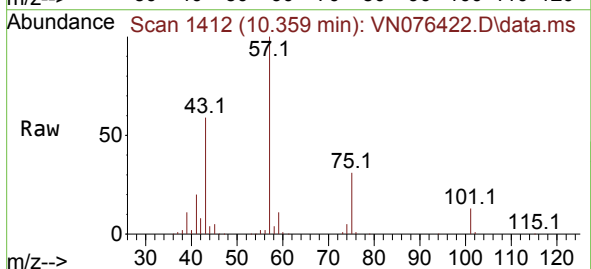
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-H

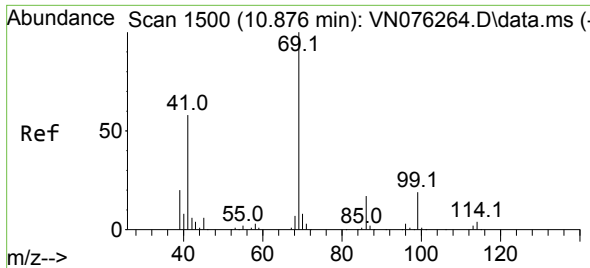
Tgt Ion: 75 Resp: 1518
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.6#



#54
 cis-1,3-Dichloropropene
 Concen: 9.760 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076422.D
 Acq: 26 Jan 2023 16:01

Tgt Ion: 75 Resp: 74449
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#
 39 33.6 37.1 55.7#

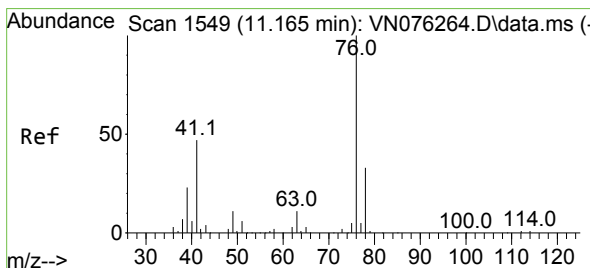
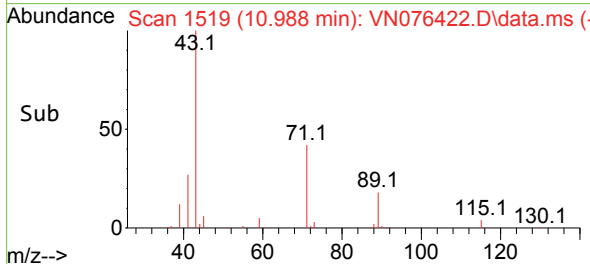
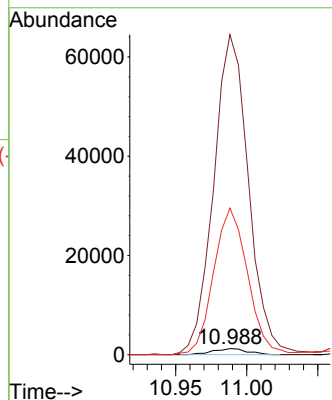
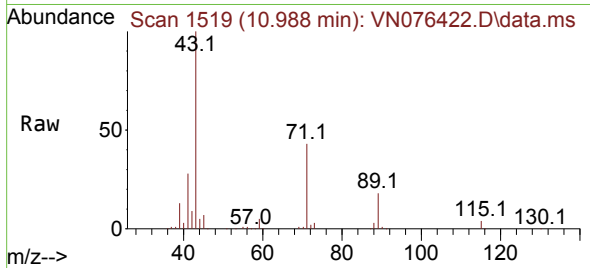




#56
Ethyl methacrylate
Concen: 0.314 ug/l
RT: 10.988 min Scan# 1519
Delta R.T. 0.112 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

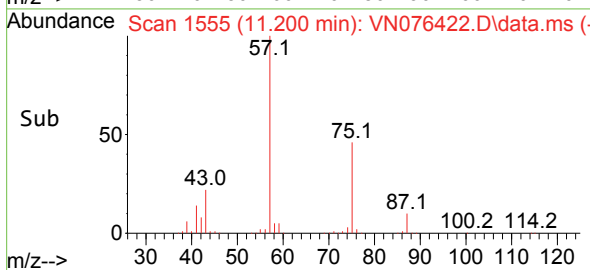
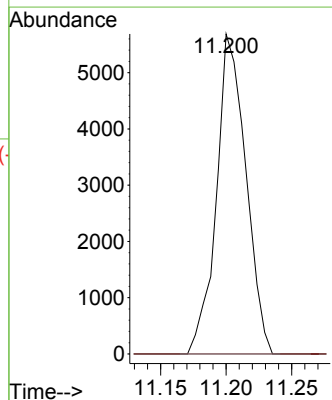
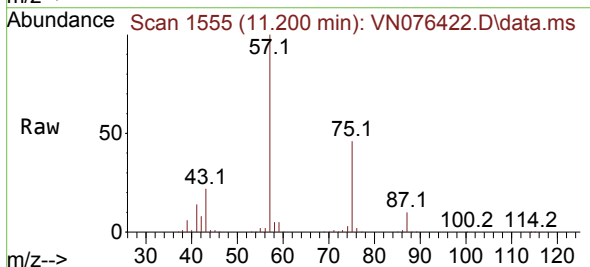
Instrument :
MSVOA_N
ClientSampleId :
TP-H

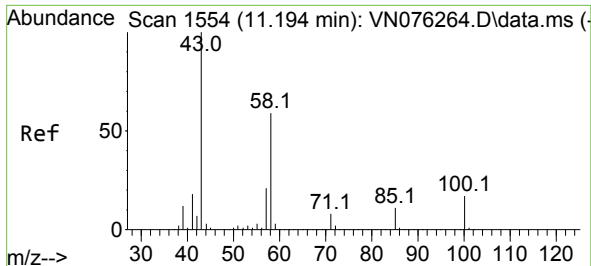
Tgt Ion: 69 Resp: 2056
Ion Ratio Lower Upper
69 100
41 5390.4 45.3 67.9#
39 2398.9 29.3 43.9#



#57
1,3-Dichloropropane
Concen: 1.076 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 76 Resp: 8865
Ion Ratio Lower Upper
76 100
78 0.0 26.4 39.6#

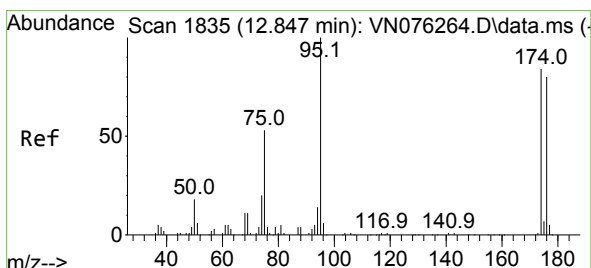
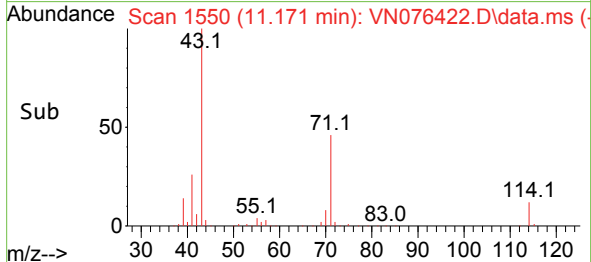
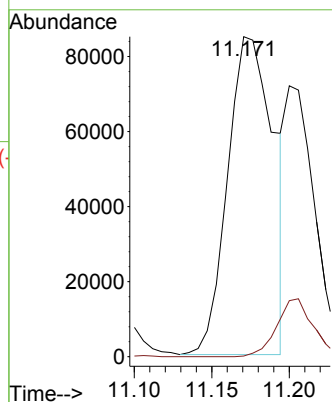
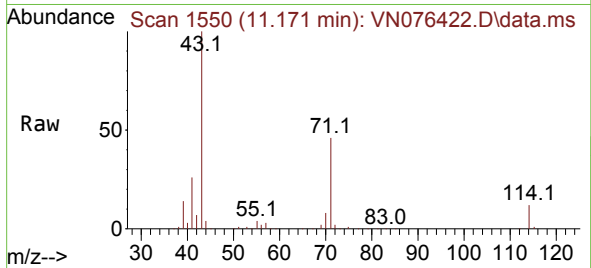




#59
2-Hexanone
Concen: 47.502 ug/l
RT: 11.171 min Scan# 1115
Delta R.T. -0.023 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

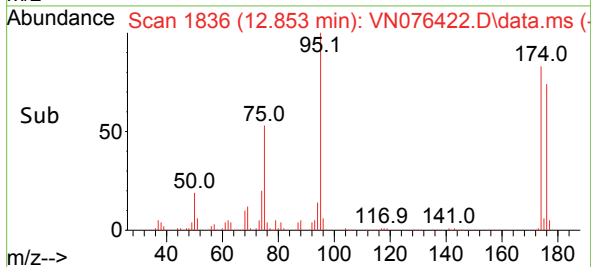
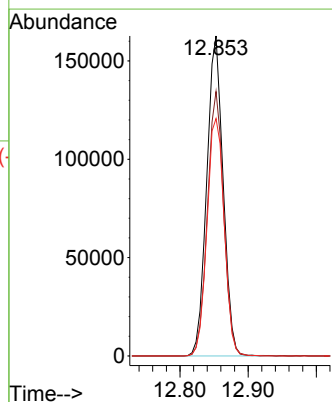
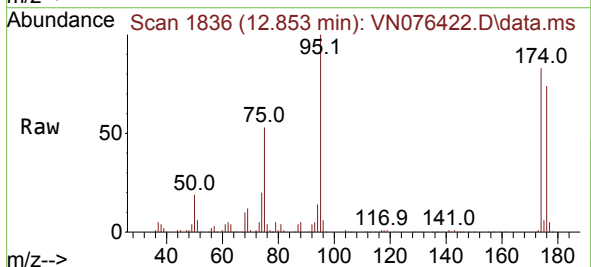
Instrument :
MSVOA_N
ClientSampleId :
TP-H

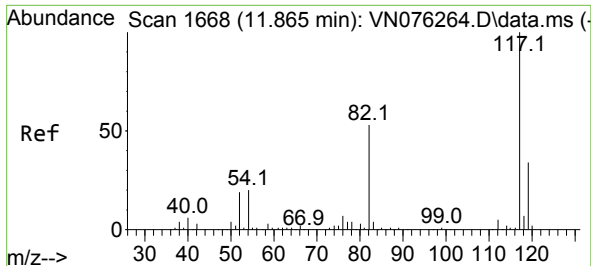
Tgt Ion: 43 Resp: 174929
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.3#



#62
4-Bromofluorobenzene
Concen: 48.325 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 95 Resp: 272020
Ion Ratio Lower Upper
95 100
174 82.0 0.0 174.6
176 77.9 0.0 167.8

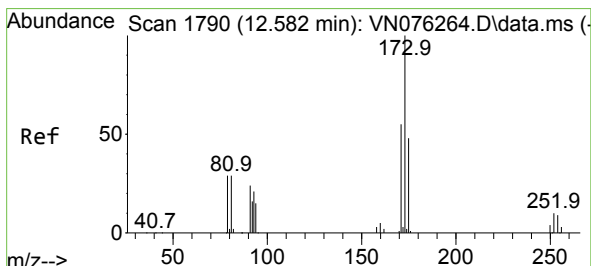
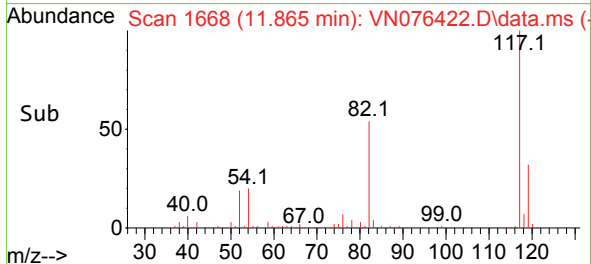
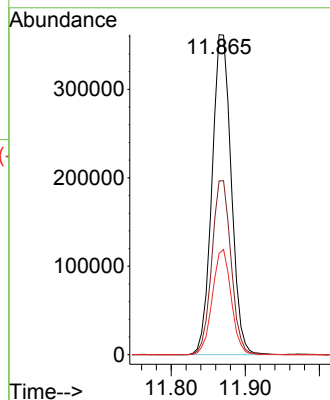
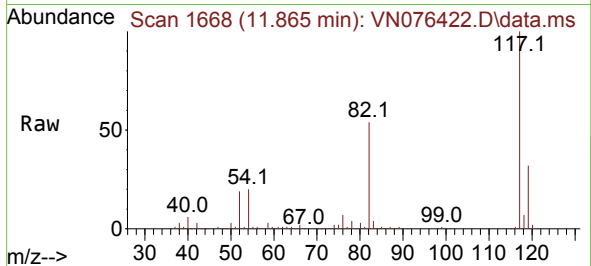




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

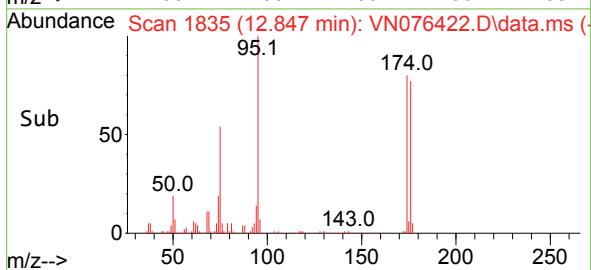
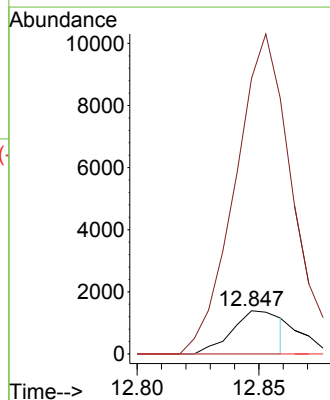
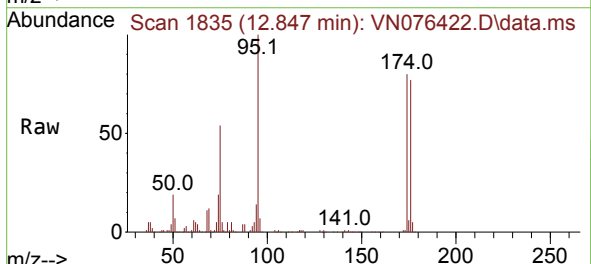
Instrument :
MSVOA_N
ClientSampleId :
TP-H

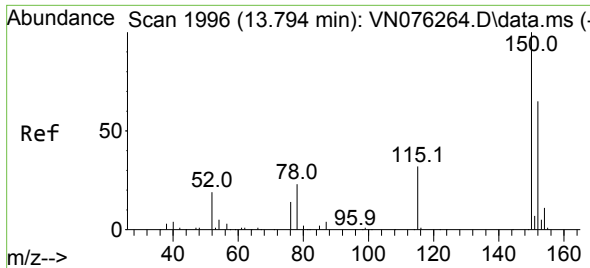
Tgt Ion:117 Resp: 653884
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.2
119 31.6 26.9 40.3



#71
Bromoform
Concen: 0.521 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion:173 Resp: 1934
Ion Ratio Lower Upper
173 100
175 702.4 24.1 72.4#
254 0.0 0.0 0.0

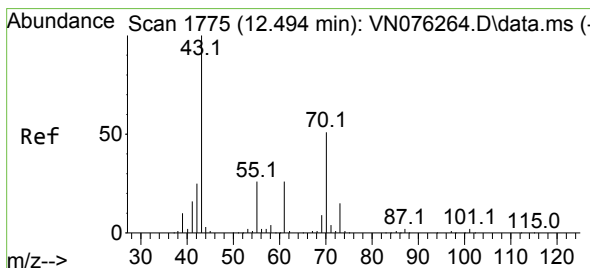
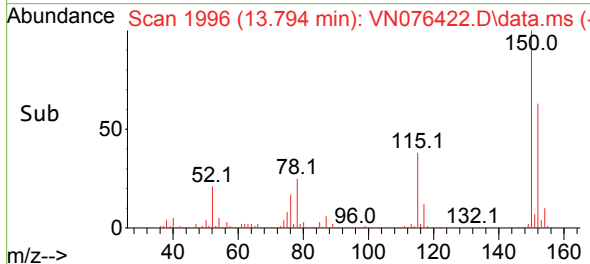
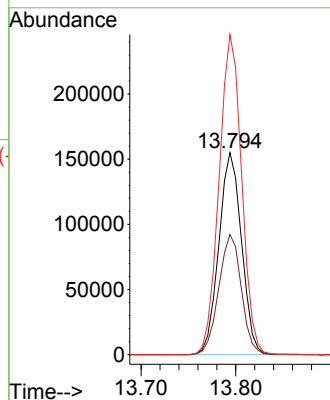
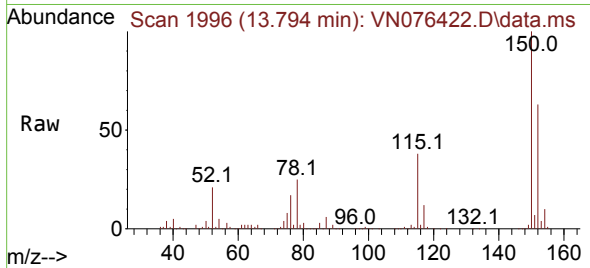




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

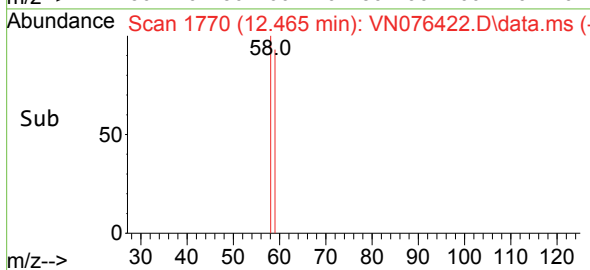
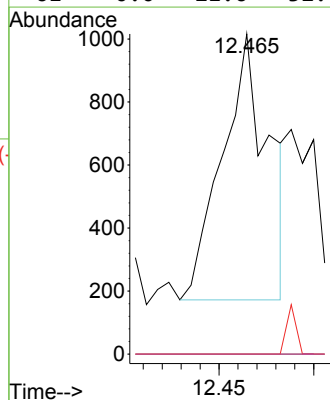
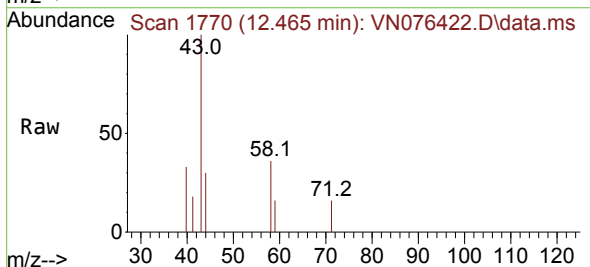
Instrument :
MSVOA_N
ClientSampleId :
TP-H

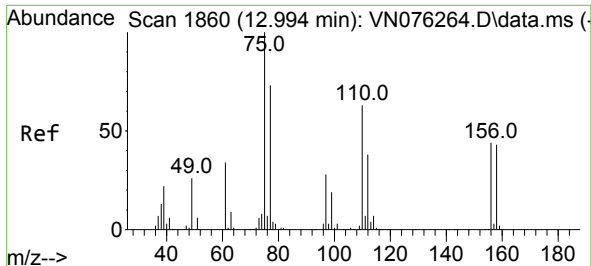
Tgt Ion:152 Resp: 258176
Ion Ratio Lower Upper
152 100
115 59.2 29.6 88.9
150 157.7 0.0 351.4



#74
N-ethyl acetate
Concen: 0.247 ug/l
RT: 12.465 min Scan# 1770
Delta R.T. -0.029 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 43 Resp: 1420
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#

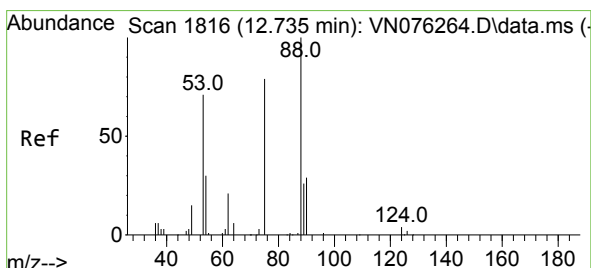
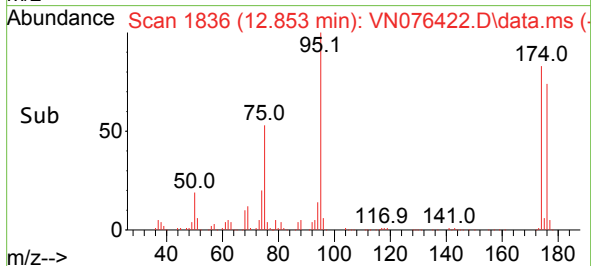
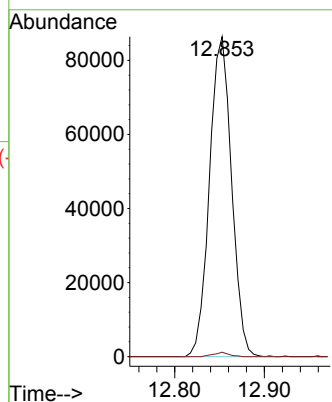
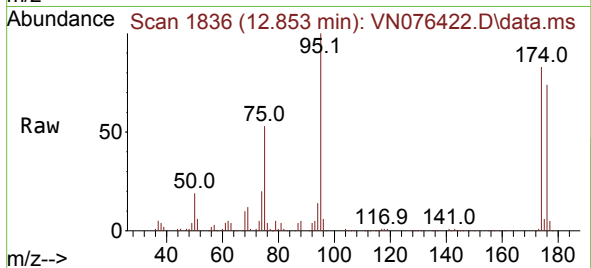




#76
1,2,3-Trichloropropane
Concen: 31.029 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

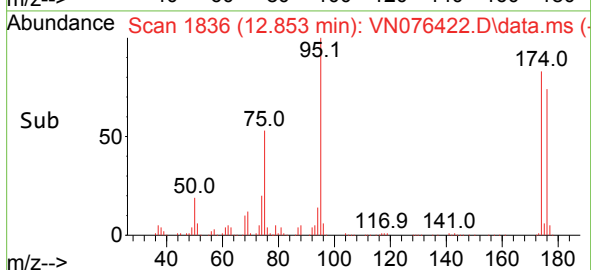
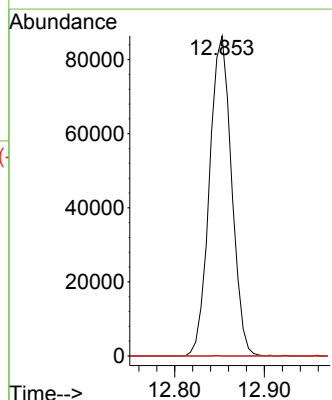
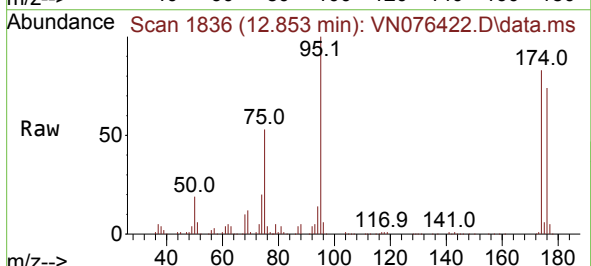
Instrument :
MSVOA_N
ClientSampleId :
TP-H

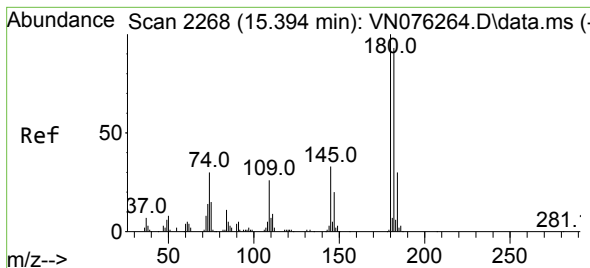
Tgt Ion: 75 Resp: 147632
Ion Ratio Lower Upper
75 100
77 1.0 75.2 225.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.142 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN076422.D
Acq: 26 Jan 2023 16:01

Tgt Ion: 75 Resp: 147632
Ion Ratio Lower Upper
75 100
53 0.0 75.8 113.8#
89 0.0 37.0 55.6#





#93

1,2,4-Trichlorobenzene

Concen: 1.354 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076422.D

Acq: 26 Jan 2023 16:01

Instrument :

MSVOA_N

ClientSampleId :

TP-H

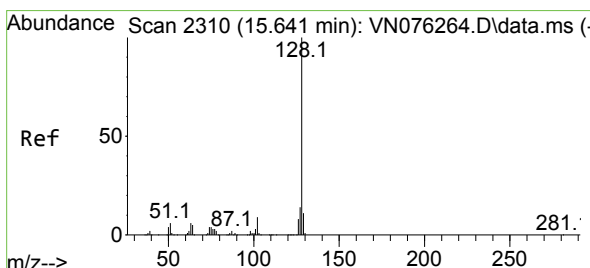
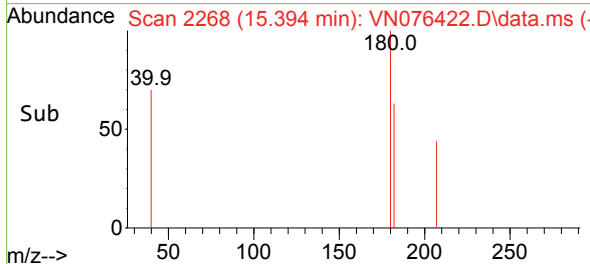
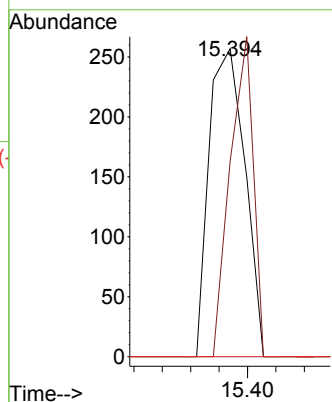
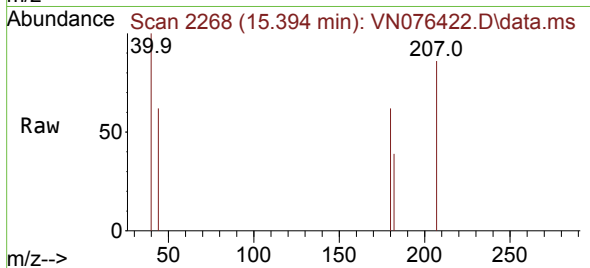
Tgt Ion:180 Resp: 225

Ion Ratio Lower Upper

180 100

182 67.6 47.0 141.2

145 0.0 15.2 45.5#



#95

Naphthalene

Concen: 1.929 ug/l

RT: 15.647 min Scan# 2311

Delta R.T. 0.006 min

Lab File: VN076422.D

Acq: 26 Jan 2023 16:01

Tgt Ion:128 Resp: 1250

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

