

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079560.D
 Acq On : 12 Oct 2023 21:11
 Operator : JC\MD
 Sample : 04880-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:27:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

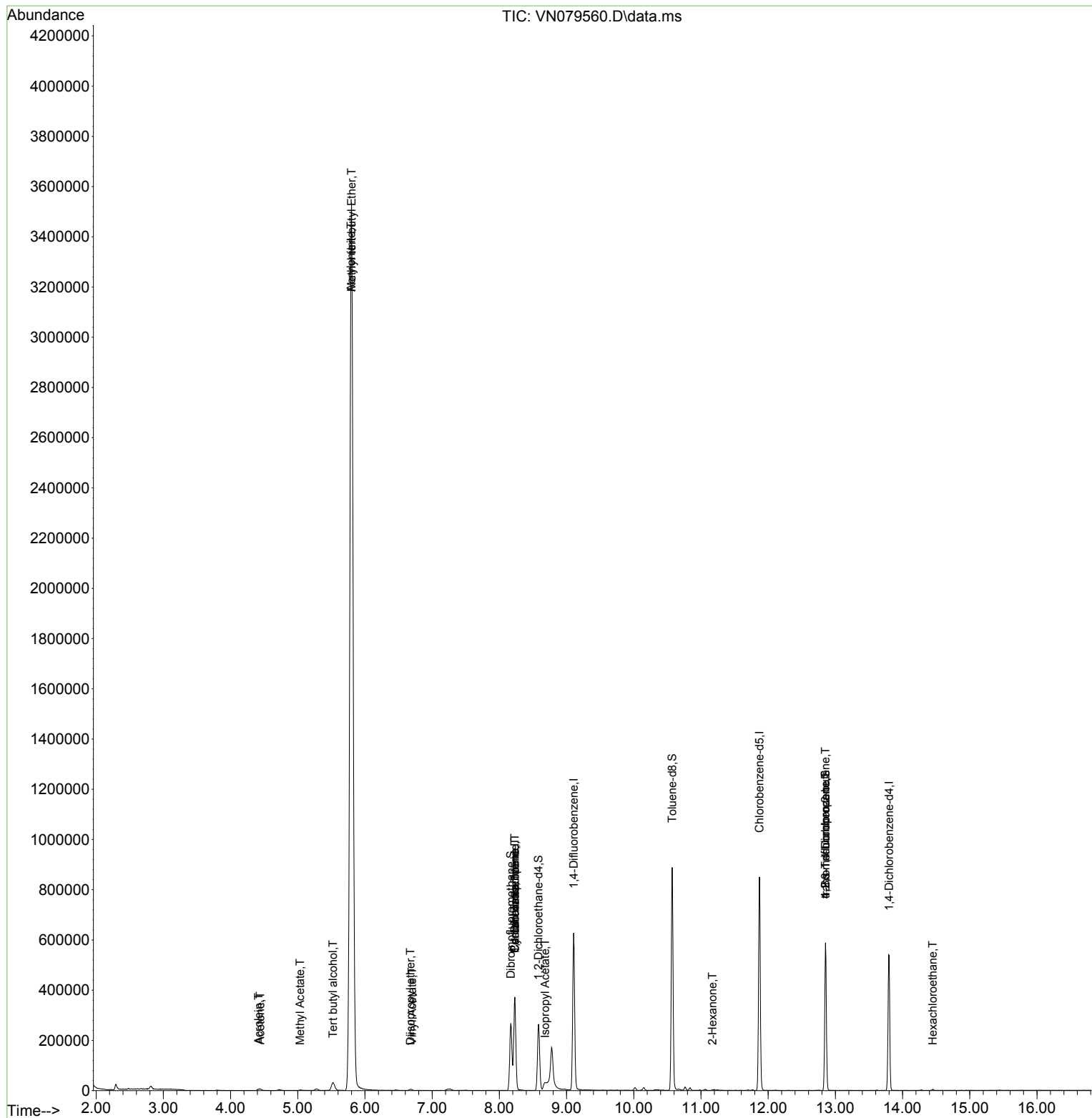
Internal Standards						
1) Pentafluorobenzene	8.230	168	256182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	513714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	472713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	145948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	214818	51.716	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.440%			
35) Dibromofluoromethane	8.171	113	187700	50.843	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	10.571	98	594398	44.498	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.000%			
62) 4-Bromofluorobenzene	12.853	95	193188	45.066	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.140%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	51752	82.780	ug/l #	72
13) Acrolein	4.418	56	1134	1.822	ug/l #	39
15) Acrylonitrile	5.794	53	67557	37.273	ug/l #	29
16) Acetone	4.442	43	7021	4.262	ug/l	91
18) Methyl Acetate	5.036	43	5053	0.627	ug/l #	70
19) Methyl tert-butyl Ether	5.800	73	5662099	575.727	ug/l	93
20) Methylene Chloride	5.277	84	584	Below Cal	#	32
22) Diisopropyl ether	6.677	45	5434	0.496	ug/l #	81
23) Vinyl Acetate	6.700	43	3208	0.521	ug/l #	62
31) Cyclohexane	8.230	56	6918	1.174	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	23154	4.179	ug/l #	50
38) Carbon Tetrachloride	8.230	117	27829	5.017	ug/l #	15
43) Isopropyl Acetate	8.682	43	23703	2.454	ug/l #	50
59) 2-Hexanone	11.171	43	3006	0.764	ug/l #	19
75) 1,1,2,2-Tetrachloroethane	12.906	83	114	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	106773	25.373	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	106773	73.622	ug/l #	15
90) Hexachloroethane	14.447	117	2537	0.292	ug/l #	21

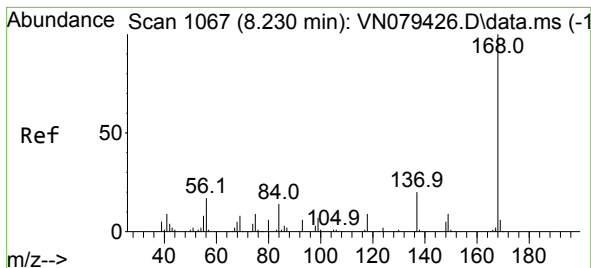
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079560.D

Acq: 12 Oct 2023 21:11

Instrument :

MSVOA_N

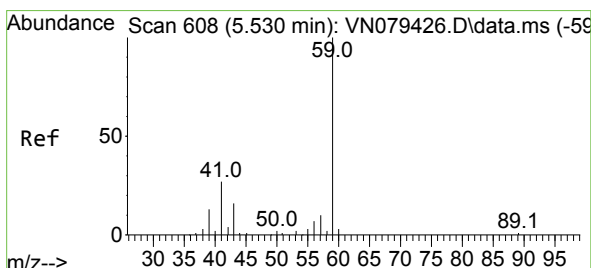
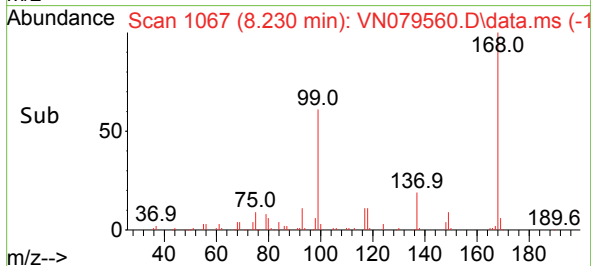
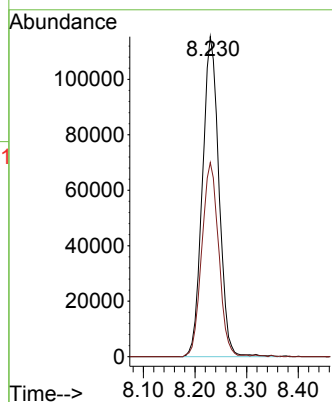
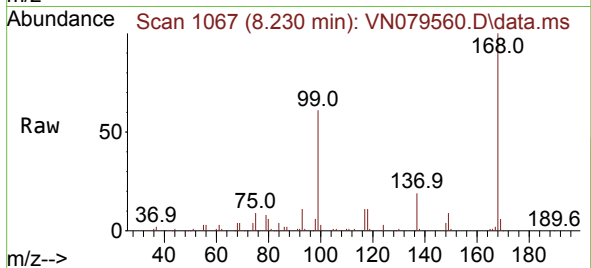
ClientSampleId :

Tgt Ion:168 Resp: 256182

Ion Ratio Lower Upper

168 100

99 60.6 53.0 79.6



#11

Tert butyl alcohol

Concen: 82.780 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.006 min

Lab File: VN079560.D

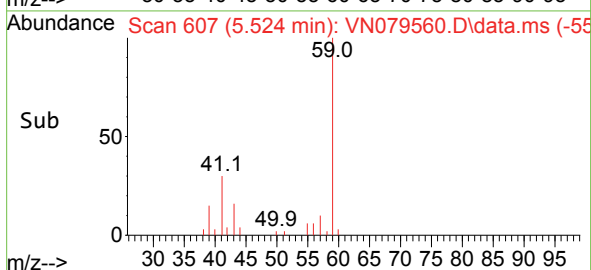
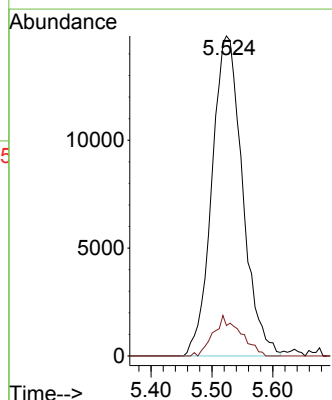
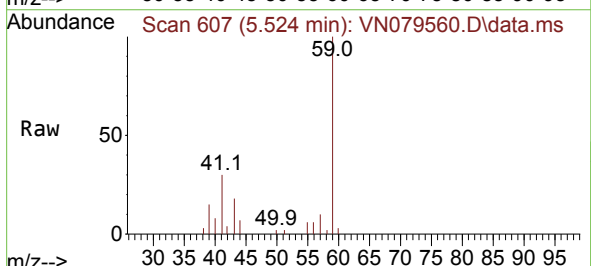
Acq: 12 Oct 2023 21:11

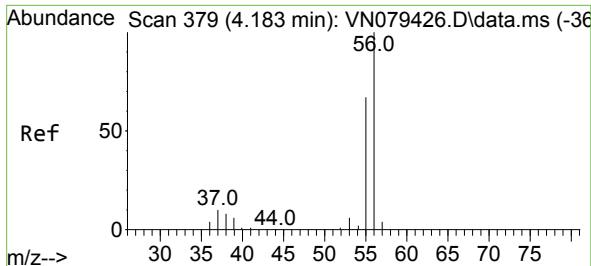
Tgt Ion: 59 Resp: 51752

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#





#13

Acrolein

Concen: 1.822 ug/l

RT: 4.418 min Scan# 419

Delta R.T. 0.235 min

Lab File: VN079560.D

Acq: 12 Oct 2023 21:11

Instrument :

MSVOA_N

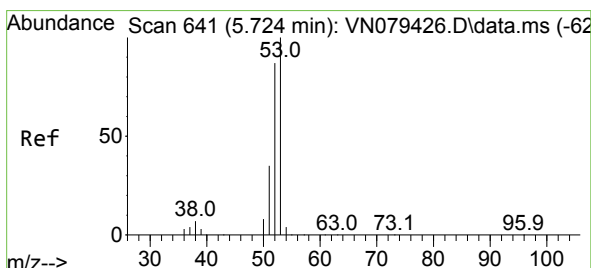
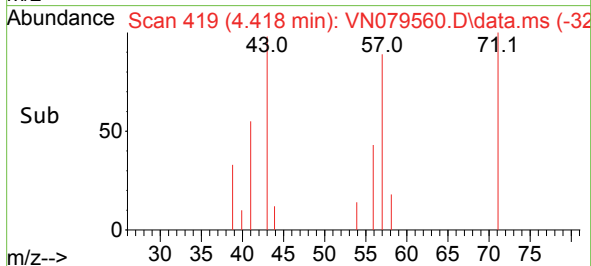
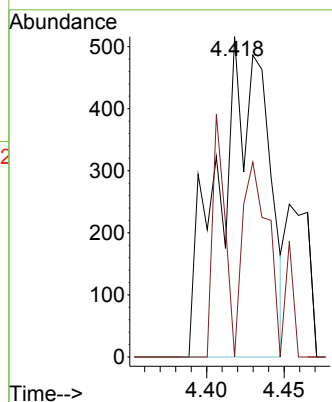
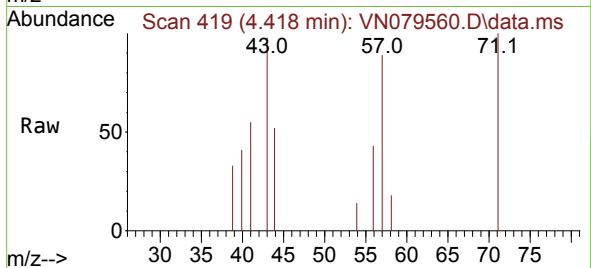
ClientSampleId :

Tgt Ion: 56 Resp: 1134

Ion Ratio Lower Upper

56 100

55 18.9 54.5 81.7#



#15

Acrylonitrile

Concen: 37.273 ug/l

RT: 5.794 min Scan# 653

Delta R.T. 0.070 min

Lab File: VN079560.D

Acq: 12 Oct 2023 21:11

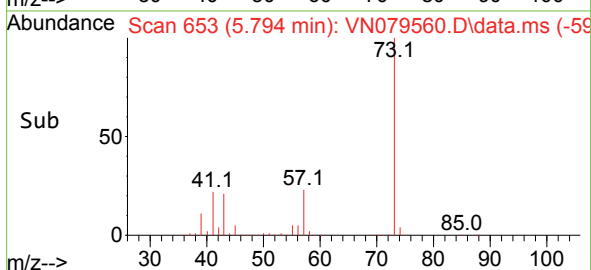
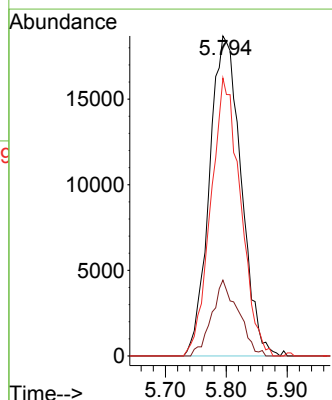
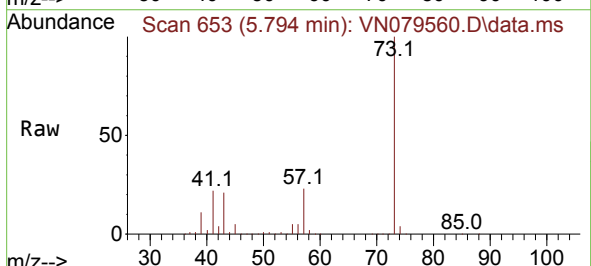
Tgt Ion: 53 Resp: 67557

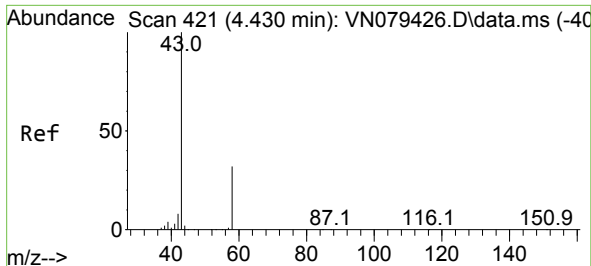
Ion Ratio Lower Upper

53 100

52 20.0 65.3 97.9#

51 81.3 28.9 43.3#

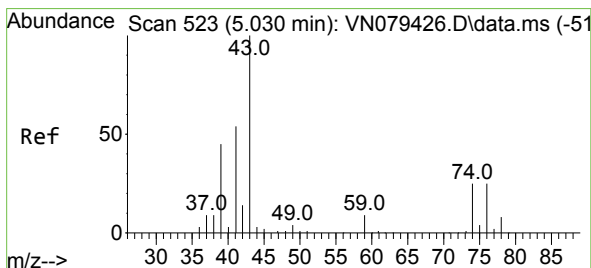
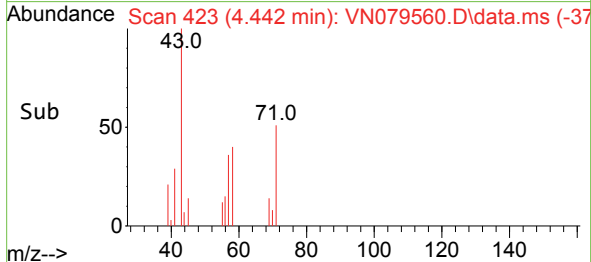
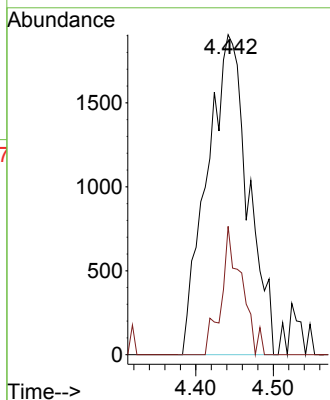
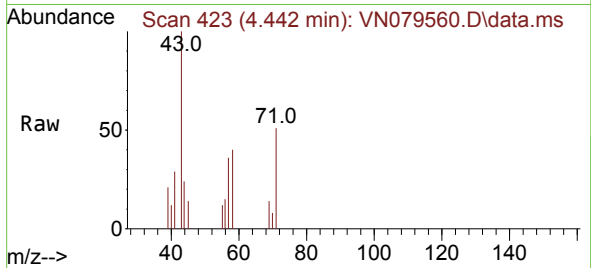




#16
Acetone
Concen: 4.262 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

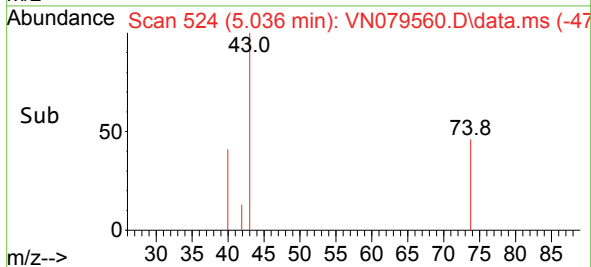
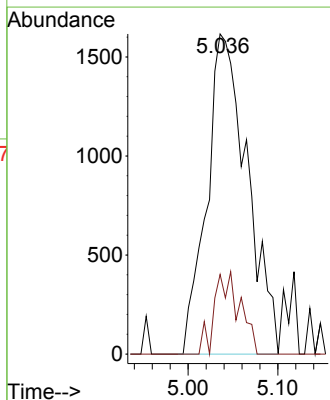
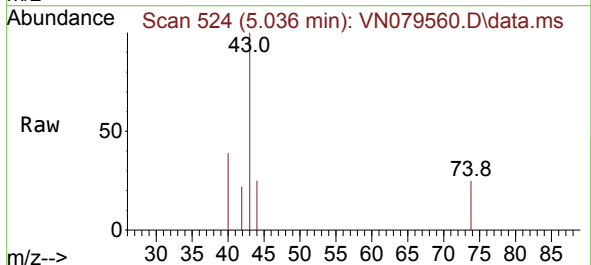
Instrument :
MSVOA_N
ClientSampleId :

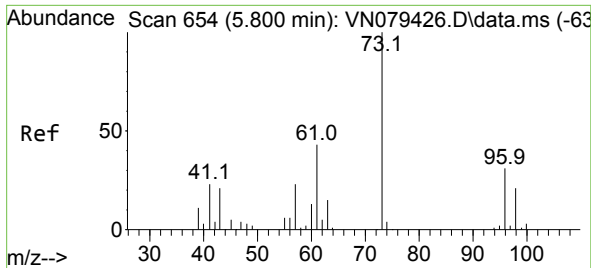
Tgt Ion: 43 Resp: 7021
Ion Ratio Lower Upper
43 100
58 40.1 28.0 42.0



#18
Methyl Acetate
Concen: 0.627 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

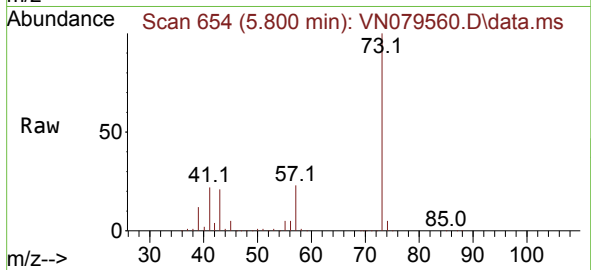
Tgt Ion: 43 Resp: 5053
Ion Ratio Lower Upper
43 100
74 16.2 26.2 39.4#



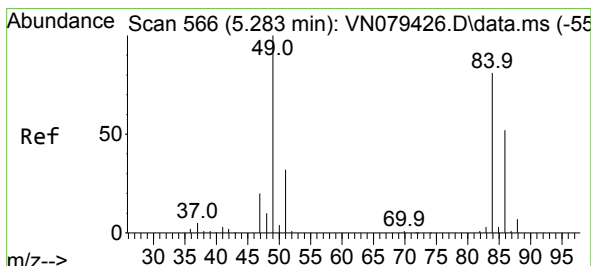
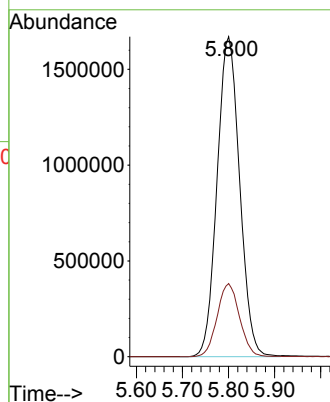
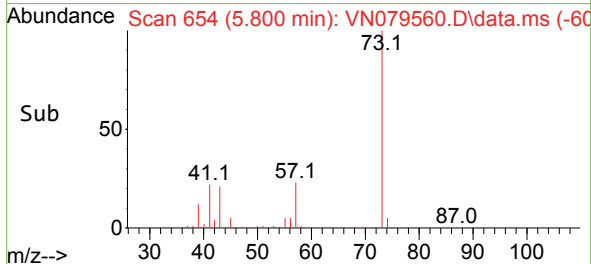


#19
Methyl tert-butyl Ether
Concen: 575.727 ug/l
RT: 5.800 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

Instrument :
MSVOA_N
ClientSampleId :

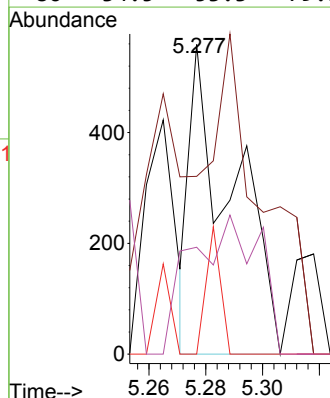
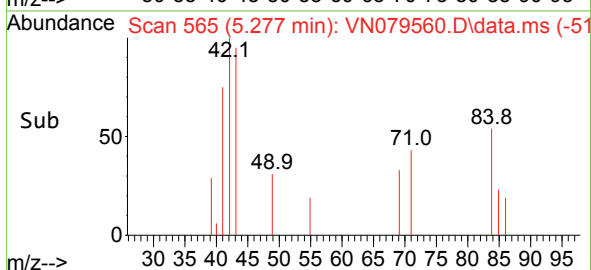
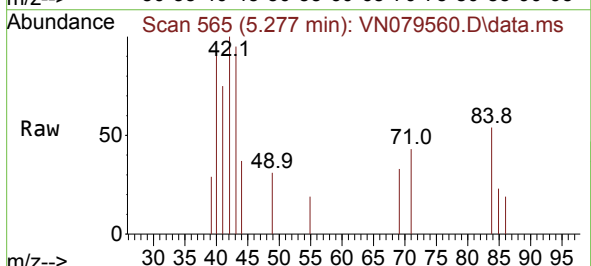


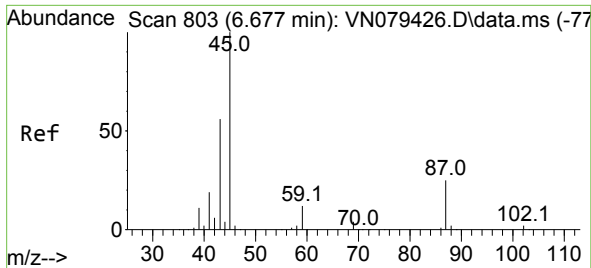
Tgt Ion: 73 Resp: 5662099
Ion Ratio Lower Upper
73 100
57 22.8 15.6 23.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

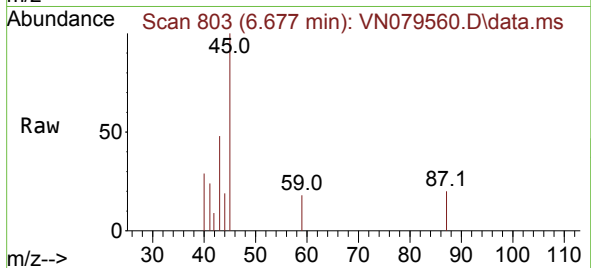
Tgt Ion: 84 Resp: 584
Ion Ratio Lower Upper
84 100
49 9.8 79.7 119.5#
51 0.0 25.2 37.8#
86 34.5 53.3 79.9#



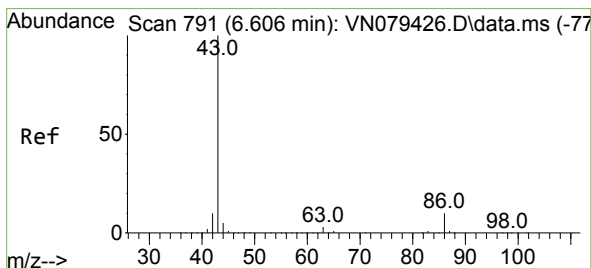
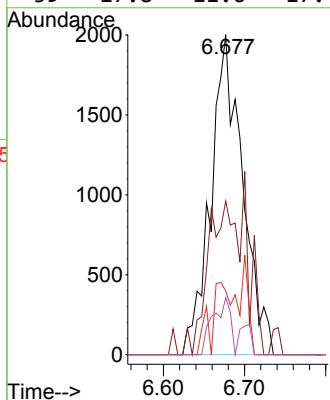
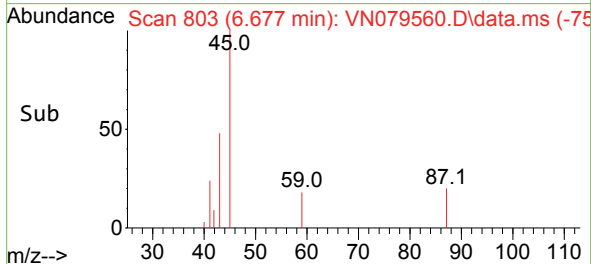


#22
Diisopropyl ether
Concen: 0.496 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.000 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

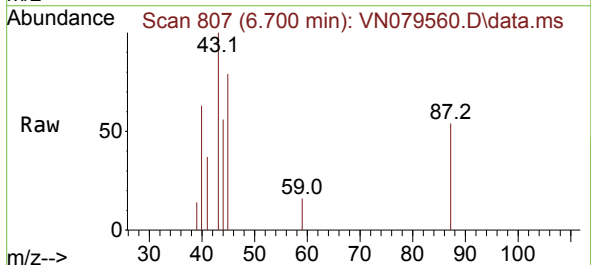
Instrument :
MSVOA_N
ClientSampleId :



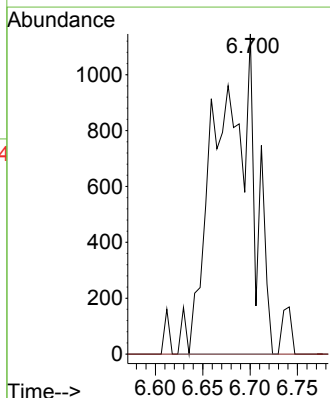
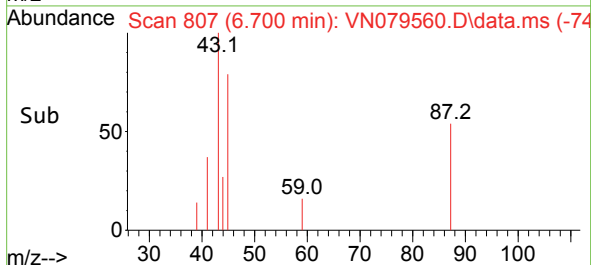
Tgt Ion:	45	Resp:	5434
Ion	Ratio	Lower	Upper
45	100		
43	48.0	45.5	68.3
87	19.9	31.8	47.8#
59	17.8	11.6	17.4#

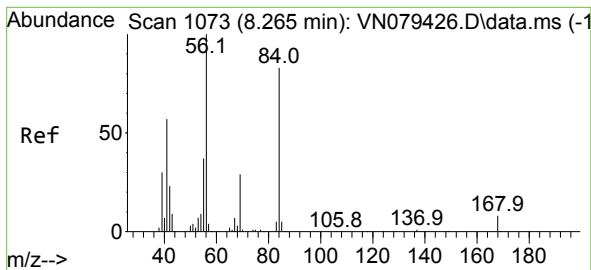


#23
Vinyl Acetate
Concen: 0.521 ug/l
RT: 6.700 min Scan# 807
Delta R.T. 0.094 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11



Tgt Ion:	43	Resp:	3208
Ion	Ratio	Lower	Upper
43	100		
86	0.0	13.0	19.6#





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

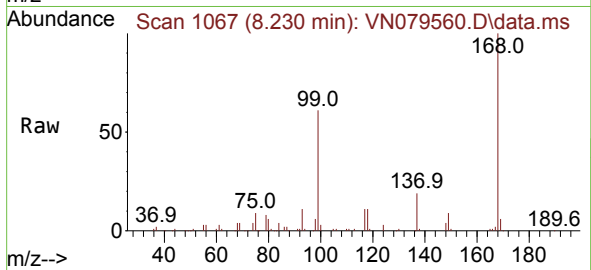
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Acq: 12 Oct 2023 21:11

Instrument :

MSVOA_N

ClientSampleId :



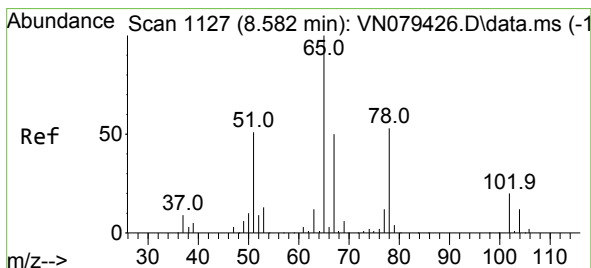
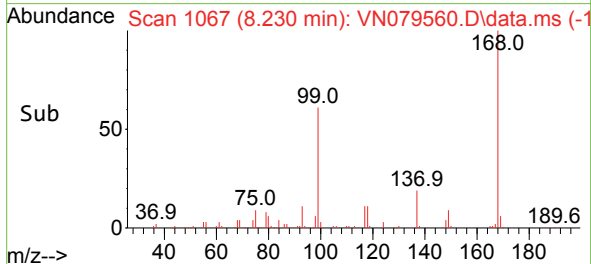
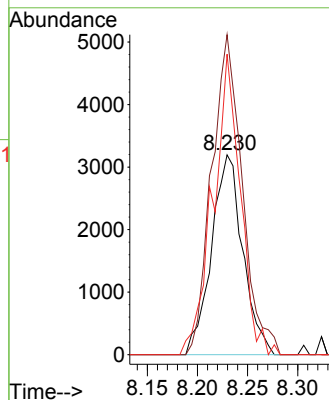
Tgt Ion: 56 Resp: 6918

Ion Ratio Lower Upper

56 100

69 160.1 26.8 40.2#

84 150.3 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 51.716 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079560.D

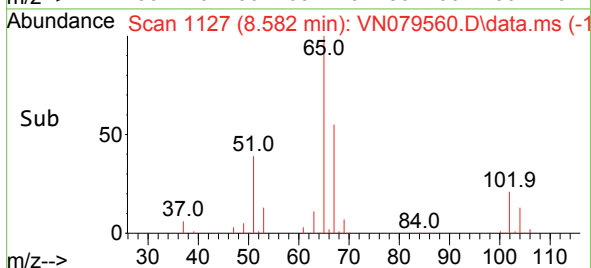
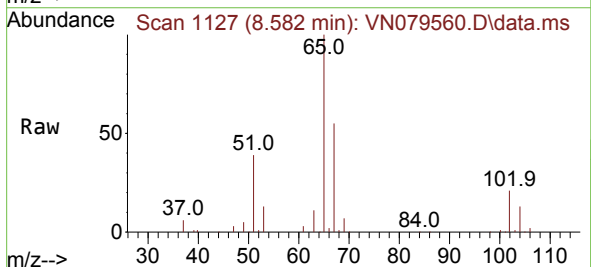
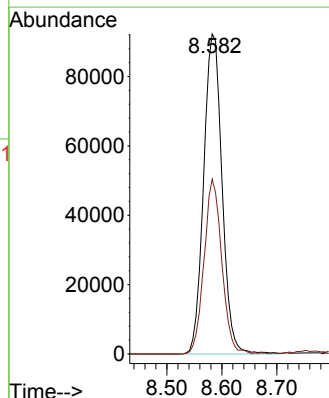
Acq: 12 Oct 2023 21:11

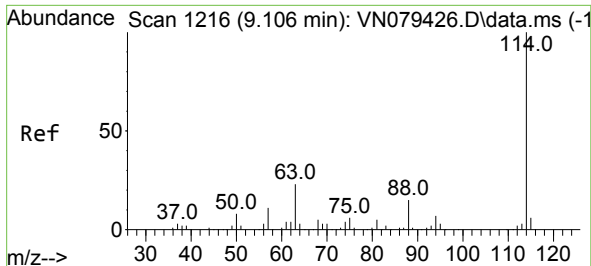
Tgt Ion: 65 Resp: 214818

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6

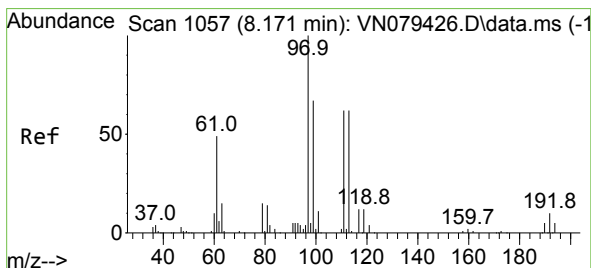
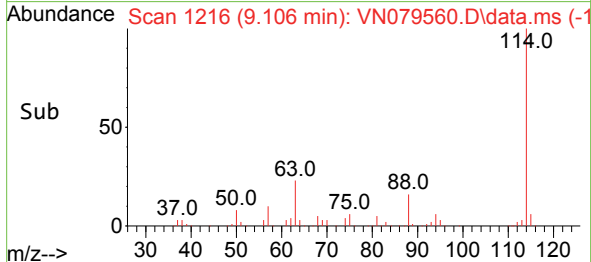
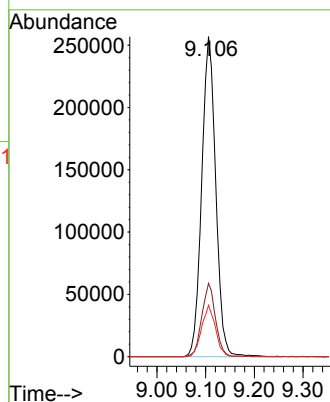
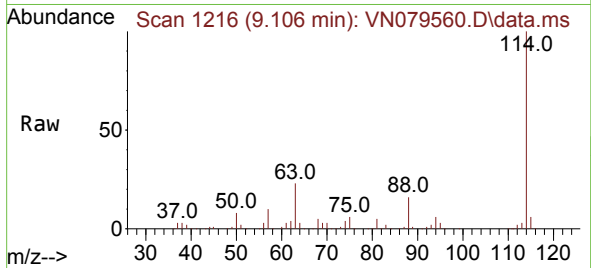




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

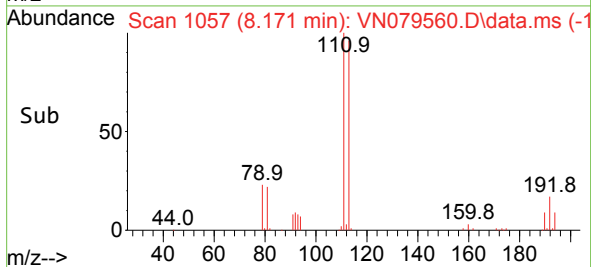
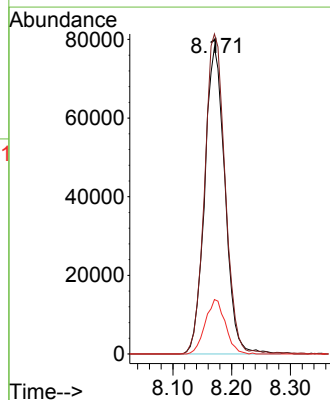
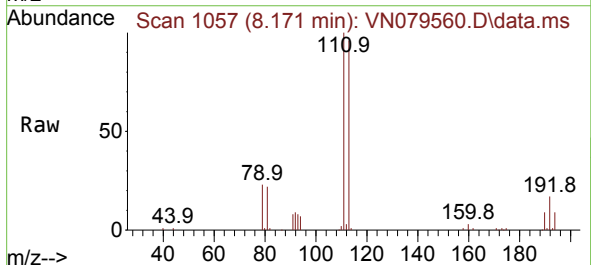
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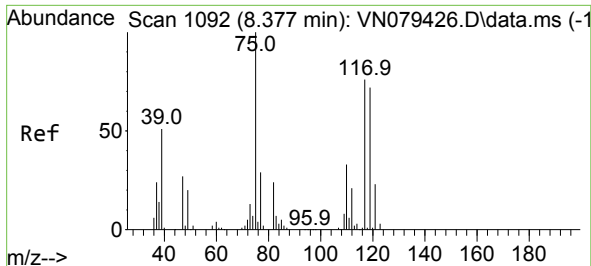
Tgt Ion:114 Resp: 513714
Ion Ratio Lower Upper
114 100
63 22.9 0.0 36.4
88 16.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.843 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

Tgt Ion:113 Resp: 187700
Ion Ratio Lower Upper
113 100
111 105.0 82.6 123.8
192 17.6 12.7 19.1

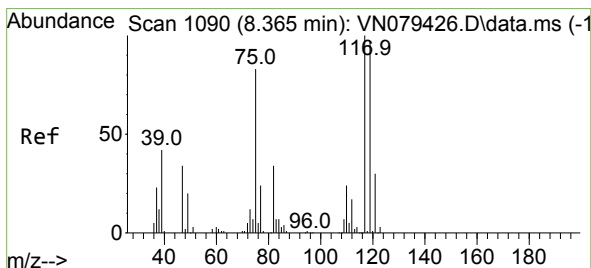
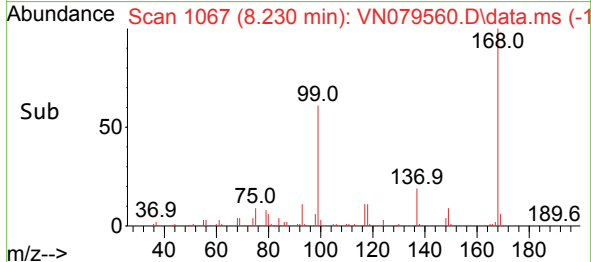
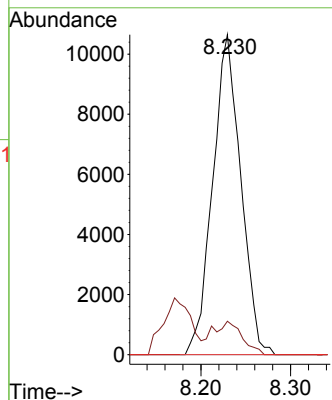
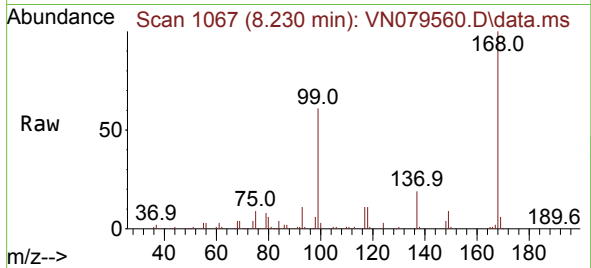




#36
1,1-Dichloropropene
Concen: 4.179 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

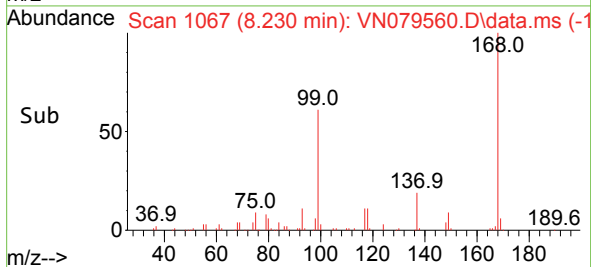
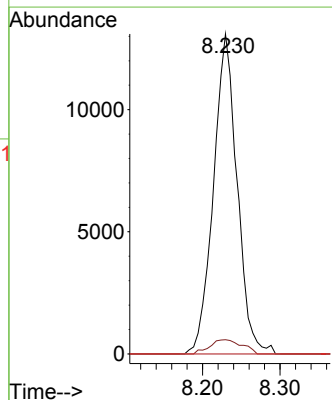
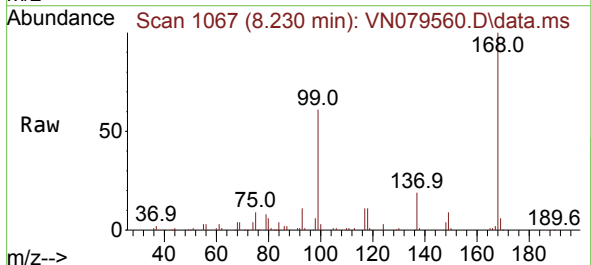
Instrument :
MSVOA_N
ClientSampleId :

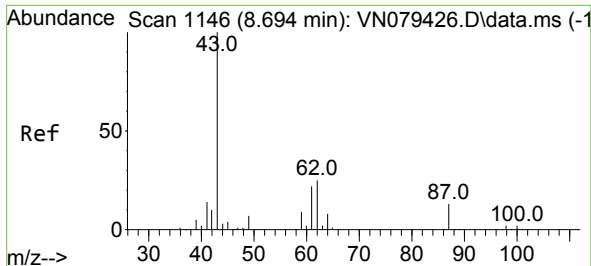
Tgt Ion: 75 Resp: 23154
Ion Ratio Lower Upper
75 100
110 11.1 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.017 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

Tgt Ion: 117 Resp: 27829
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 23.3 34.9#

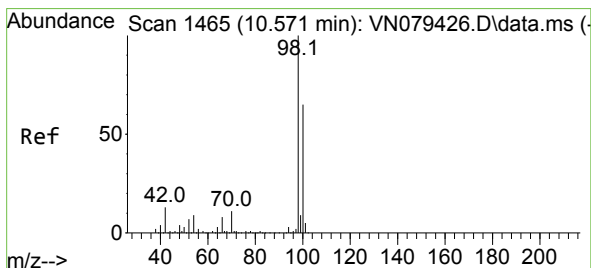
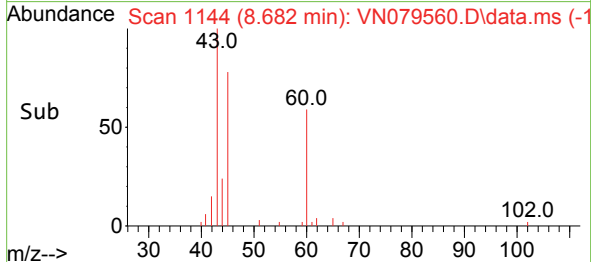
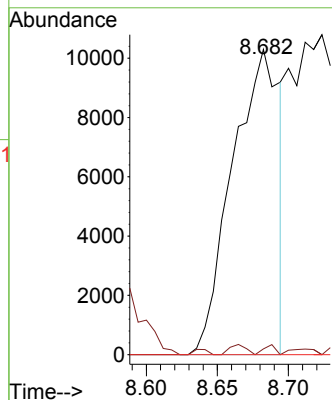
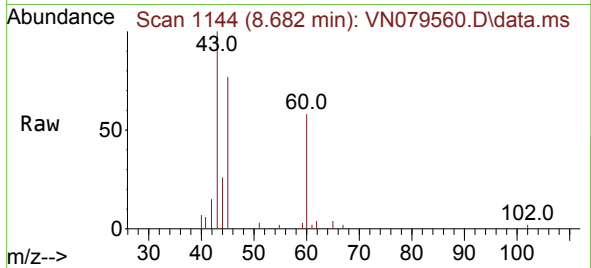




#43
Isopropyl Acetate
Concen: 2.454 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

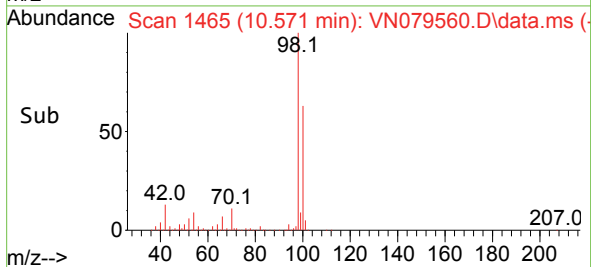
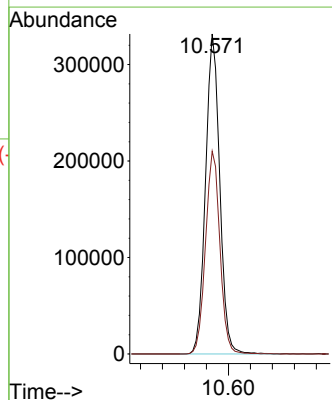
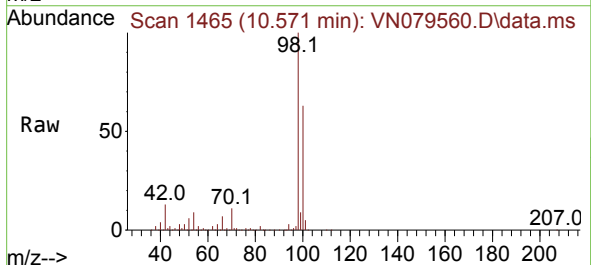
Instrument :
MSVOA_N
ClientSampleId :

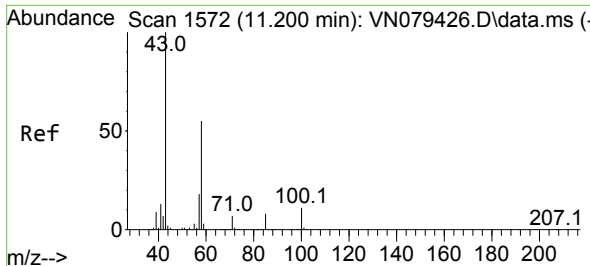
Tgt Ion: 43 Resp: 23703
Ion Ratio Lower Upper
43 100
61 0.8 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 44.498 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

Tgt Ion: 98 Resp: 594398
Ion Ratio Lower Upper
98 100
100 64.2 52.0 78.0

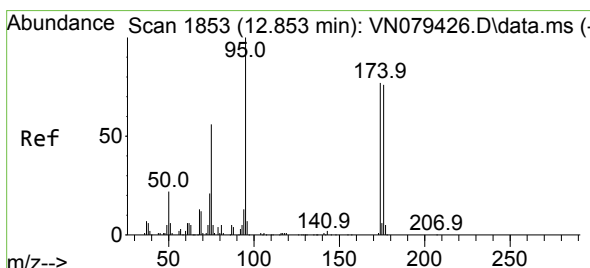
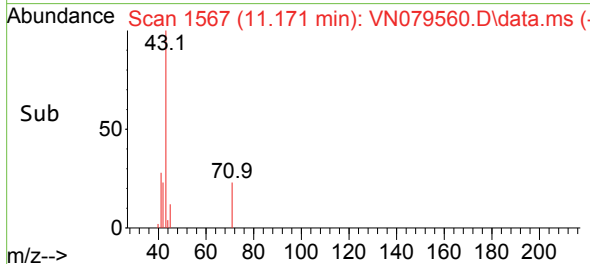
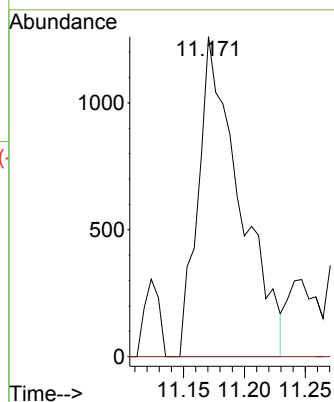
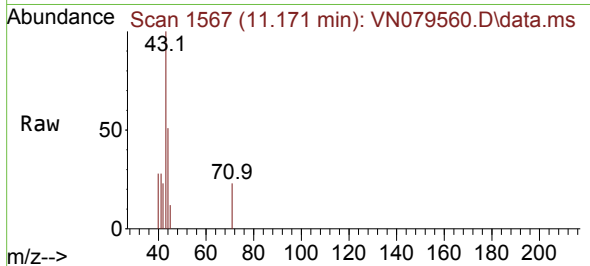




#59
2-Hexanone
Concen: 0.764 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

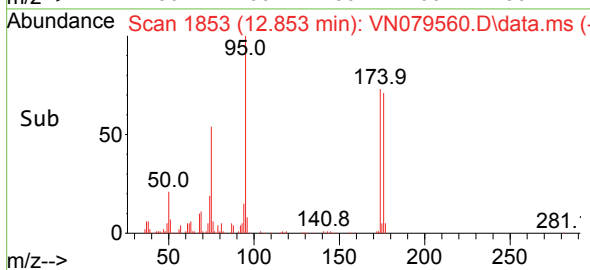
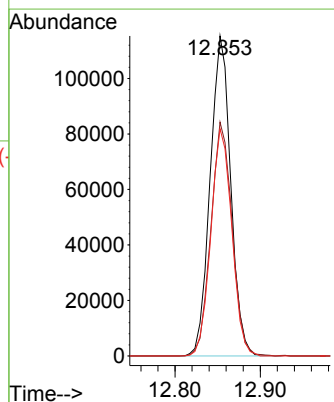
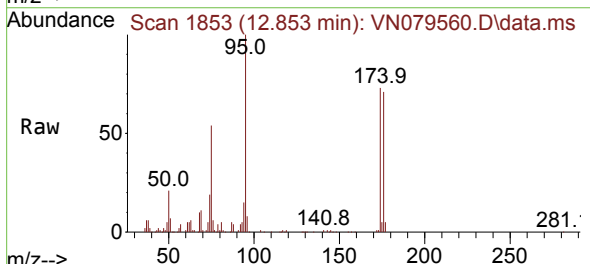
Instrument :
MSVOA_N
ClientSampleId :

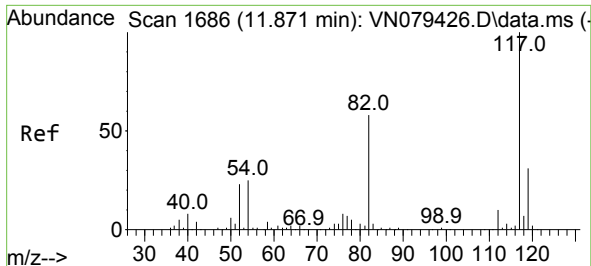
Tgt Ion: 43 Resp: 3006
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.066 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

Tgt Ion: 95 Resp: 193188
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 72.2 0.0 135.8

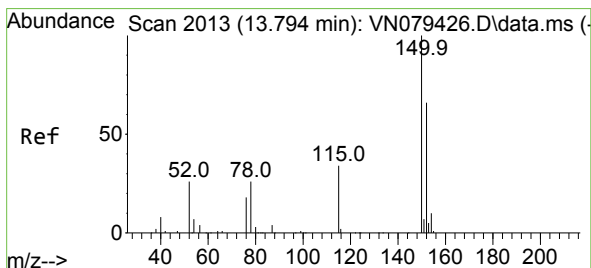
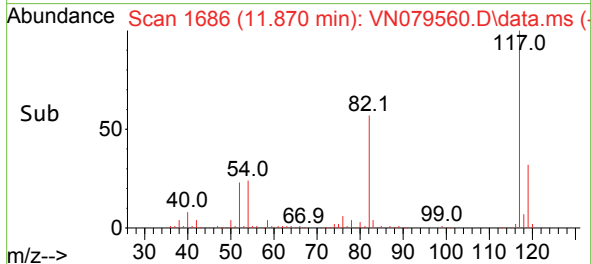
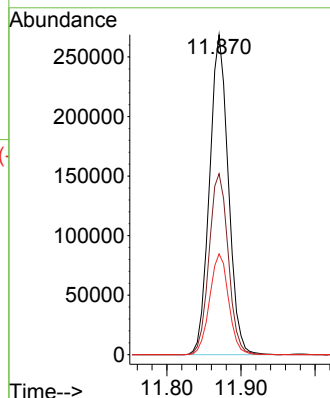
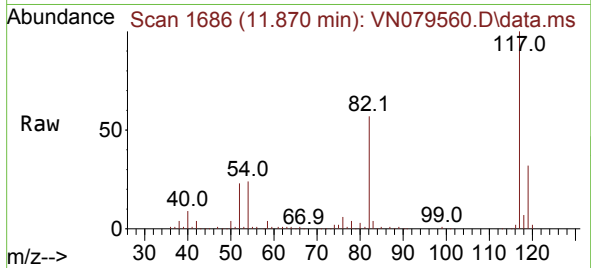




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

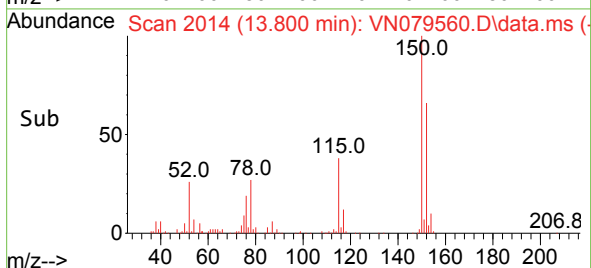
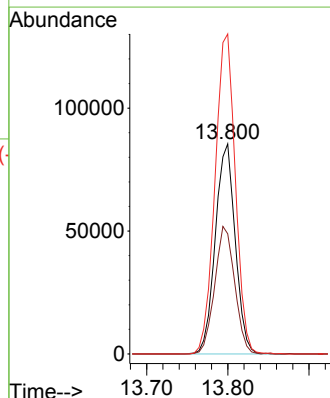
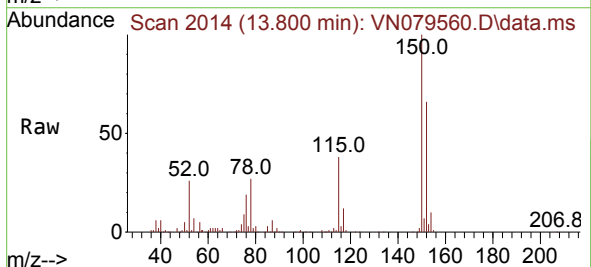
Instrument :
MSVOA_N
ClientSampleId :

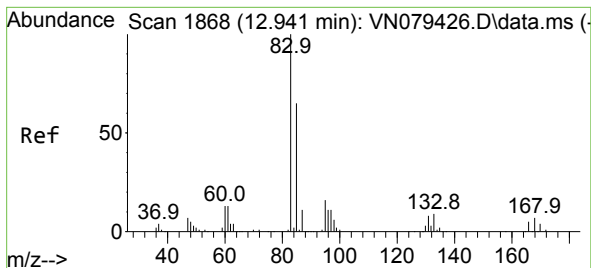
Tgt Ion:117 Resp: 472713
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 31.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. 0.006 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

Tgt Ion:152 Resp: 145948
Ion Ratio Lower Upper
152 100
115 61.0 32.3 96.8
150 155.1 0.0 355.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.906 min Scan# 1862

Delta R.T. -0.035 min

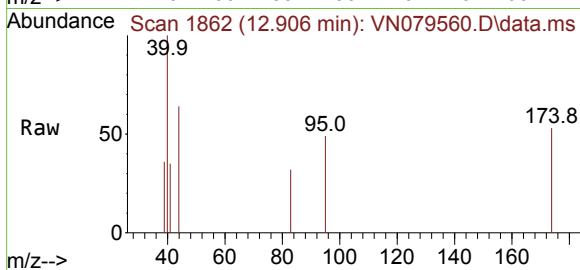
Lab File: VN079560.D

Acq: 12 Oct 2023 21:11

Instrument :

MSVOA_N

ClientSampleId :



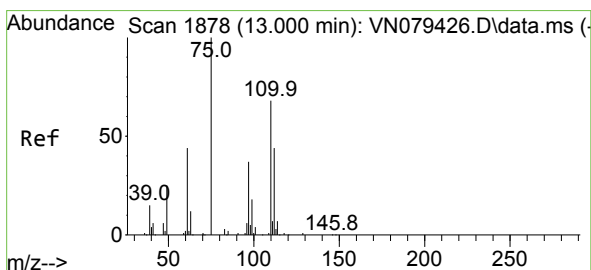
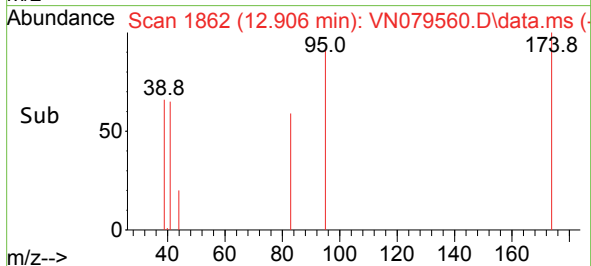
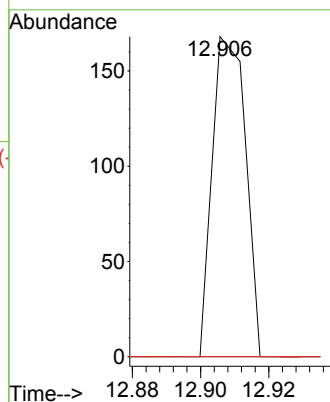
Tgt Ion: 83 Resp: 114

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 25.373 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079560.D

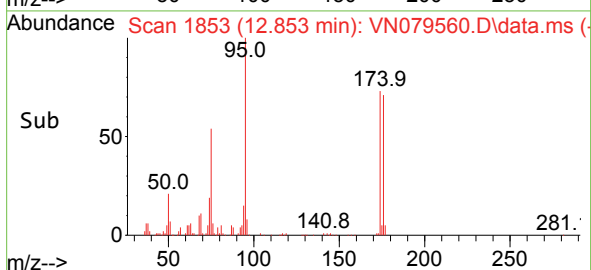
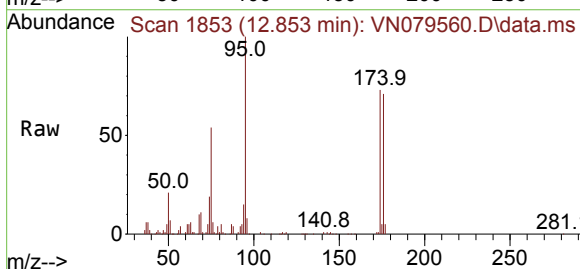
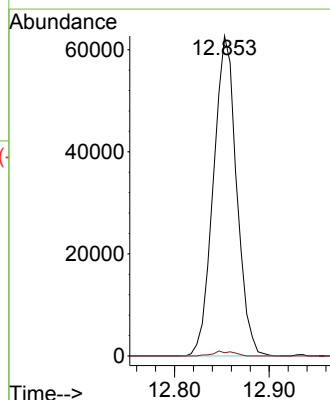
Acq: 12 Oct 2023 21:11

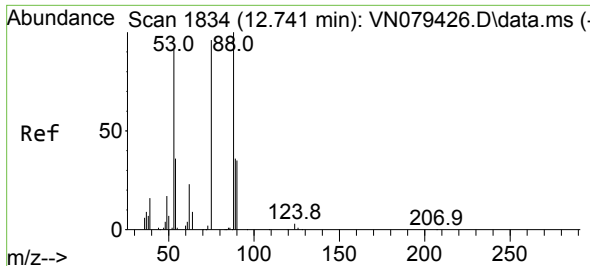
Tgt Ion: 75 Resp: 106773

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#

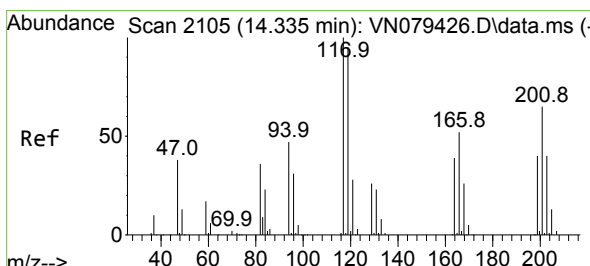
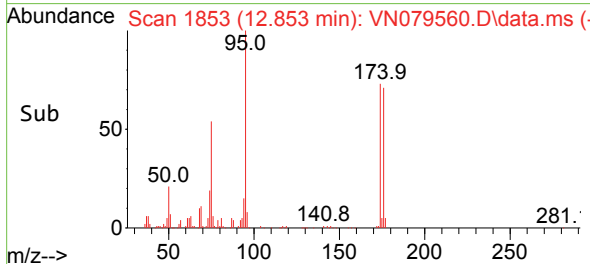
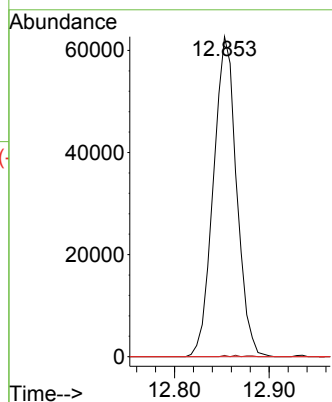
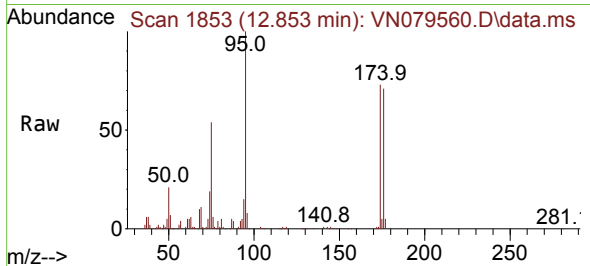




#81
trans-1,4-Dichloro-2-butene
Concen: 73.622 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 106773
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#



#90
Hexachloroethane
Concen: 0.292 ug/l
RT: 14.447 min Scan# 2124
Delta R.T. 0.112 min
Lab File: VN079560.D
Acq: 12 Oct 2023 21:11

Tgt Ion: 117 Resp: 2537
Ion Ratio Lower Upper
117 100
201 0.0 29.3 88.0#

