

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079555.D
 Acq On : 12 Oct 2023 19:11
 Operator : JC\MD
 Sample : PB156319ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:25:06 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

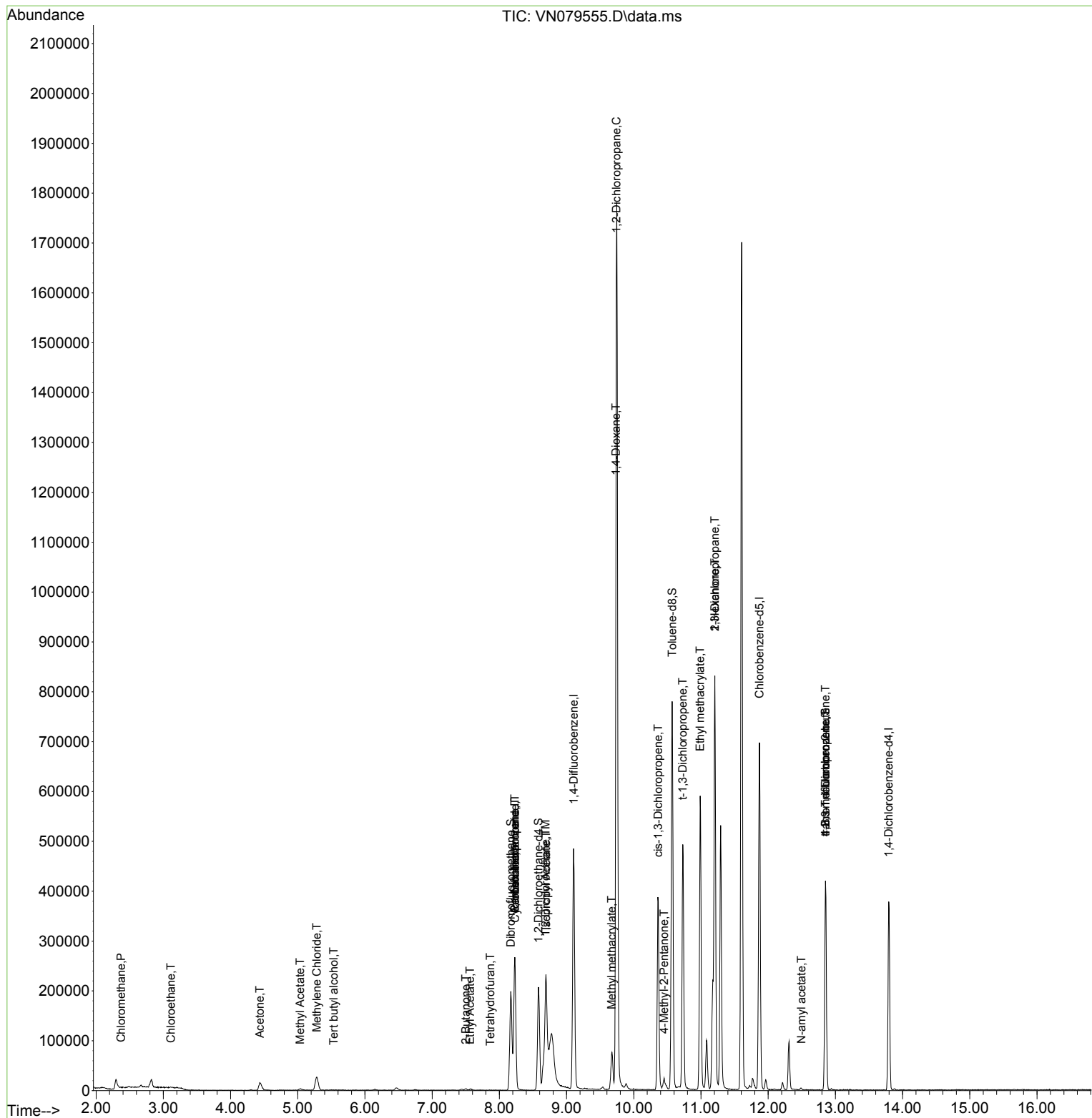
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	183459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	398691	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	387704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	99127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	164622	55.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.680%			
35) Dibromofluoromethane	8.171	113	136955	47.800	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.600%			
50) Toluene-d8	10.570	98	525539	50.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.853	95	142229	42.751	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.500%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	749	0.228	ug/l #	42
6) Chloroethane	3.112	64	585	0.227	ug/l #	43
11) Tert butyl alcohol	5.535	59	112	0.250	ug/l #	72
16) Acetone	4.436	43	30510	25.859	ug/l	89
18) Methyl Acetate	5.036	43	5968	1.033	ug/l #	49
20) Methylene Chloride	5.283	84	19653	7.090	ug/l #	87
25) 2-Butanone	7.500	43	5087	2.905	ug/l #	84
29) Tetrahydrofuran	7.865	42	235	0.207	ug/l #	38
31) Cyclohexane	8.235	56	5492	1.302	ug/l #	41
36) 1,1-Dichloropropene	8.229	75	17901	4.163	ug/l #	46
37) Ethyl Acetate	7.565	43	4308	1.007	ug/l #	70
38) Carbon Tetrachloride	8.229	117	20480	4.757	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	1831	0.395	ug/l #	73
43) Isopropyl Acetate	8.694	43	310278	41.391	ug/l #	69
45) 1,2-Dichloropropane	9.741	63	2346	0.697	ug/l #	45
48) Methyl methacrylate	9.671	41	5332	1.660	ug/l #	3
49) 1,4-Dioxane	9.735	88	54	0.913	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	19147	4.525	ug/l #	75
53) t-1,3-Dichloropropene	10.729	75	1256	0.278	ug/l	92
54) cis-1,3-Dichloropropene	10.365	75	62904	12.720	ug/l #	70
56) Ethyl methacrylate	10.988	69	3021	0.728	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8033	1.541	ug/l #	42
59) 2-Hexanone	11.206	43	102906	33.700	ug/l #	50
74) N-amyl acetate	12.494	43	1467	0.388	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	79646	27.867	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79646	80.857	ug/l #	15

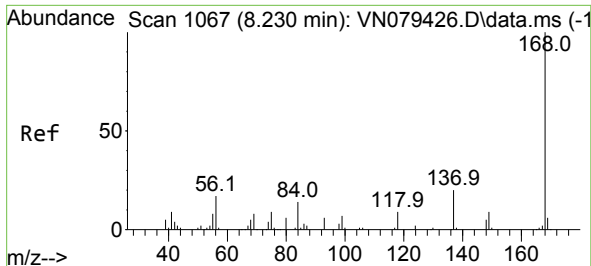
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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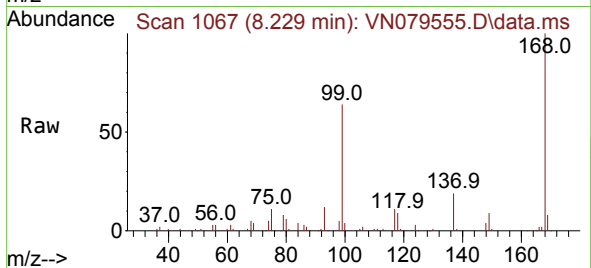
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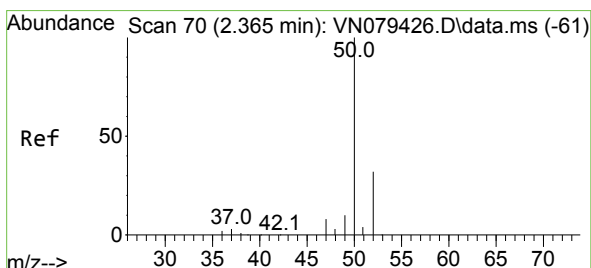
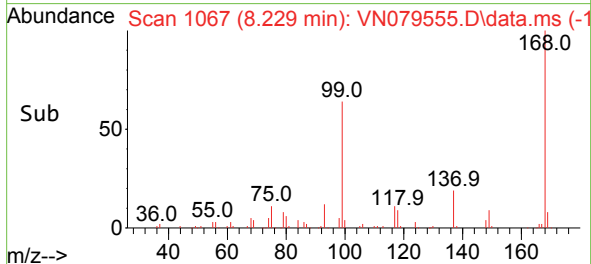
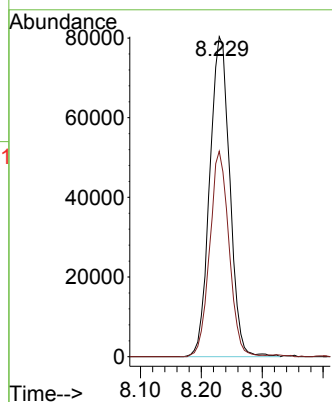


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Instrument :
MSVOA_N
ClientSampleId :

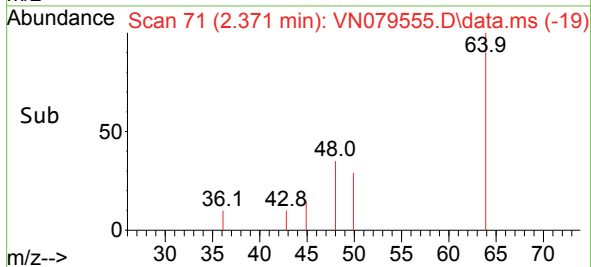
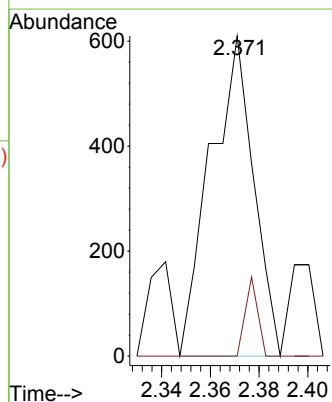
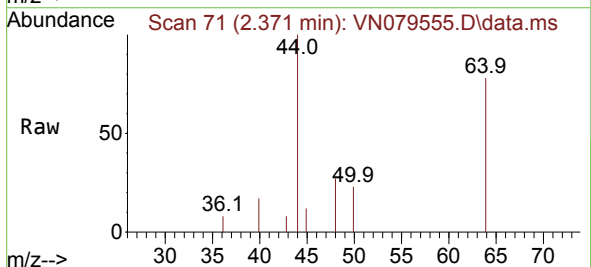


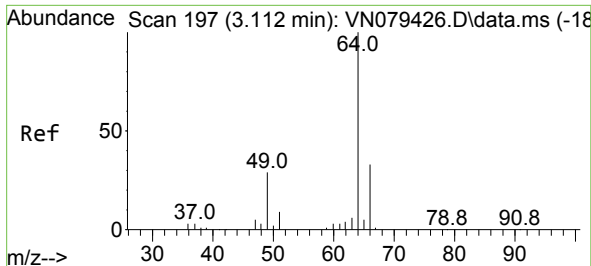
Tgt Ion:168 Resp: 183459
Ion Ratio Lower Upper
168 100
99 64.2 53.0 79.6



#3
Chloromethane
Concen: 0.228 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Tgt Ion: 50 Resp: 749
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

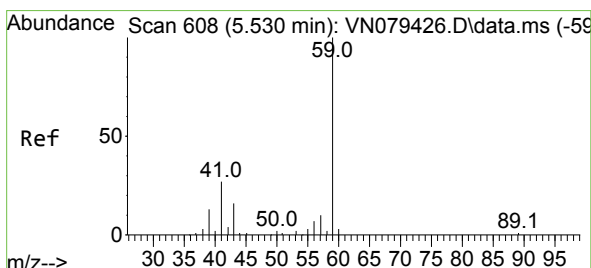
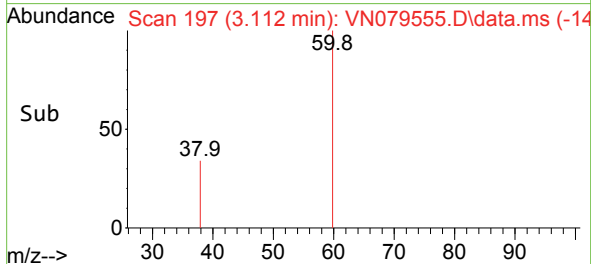
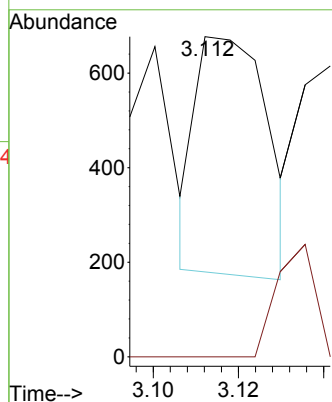
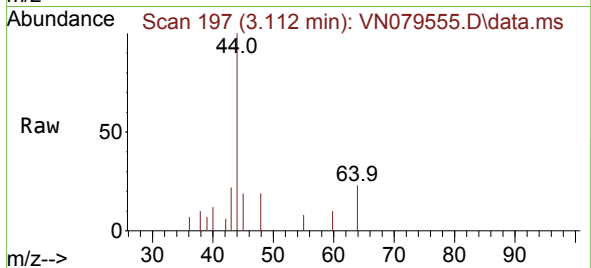




#6
Chloroethane
Concen: 0.227 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.000 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

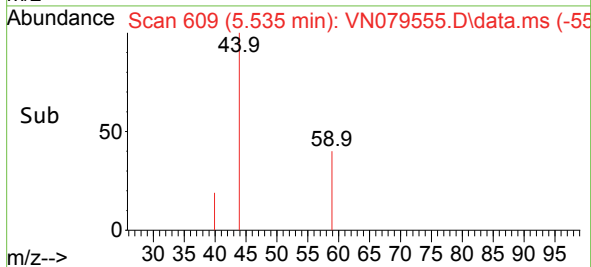
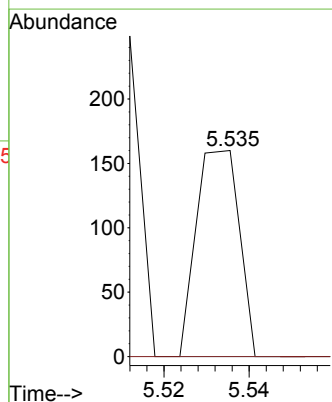
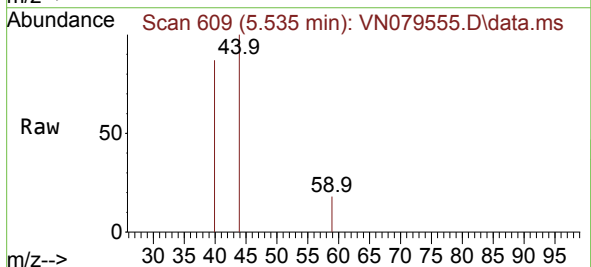
Instrument :
MSVOA_N
ClientSampleId :

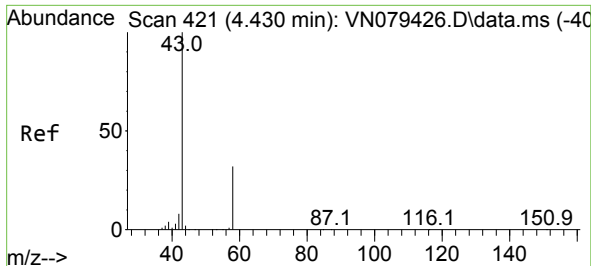
Tgt Ion: 64 Resp: 585
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.250 ug/l
RT: 5.535 min Scan# 609
Delta R.T. 0.005 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Tgt Ion: 59 Resp: 112
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

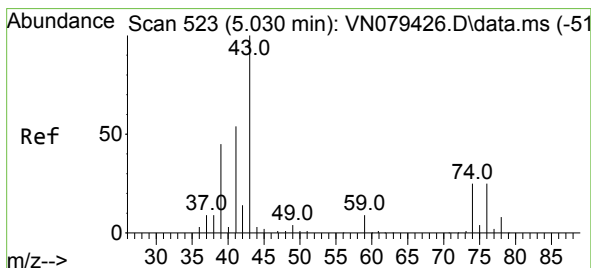
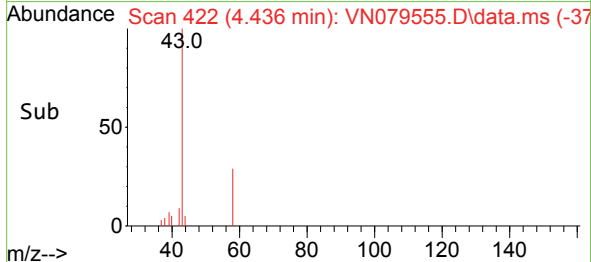
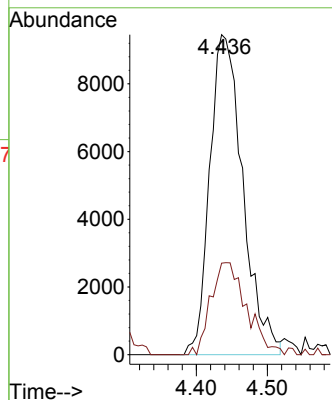
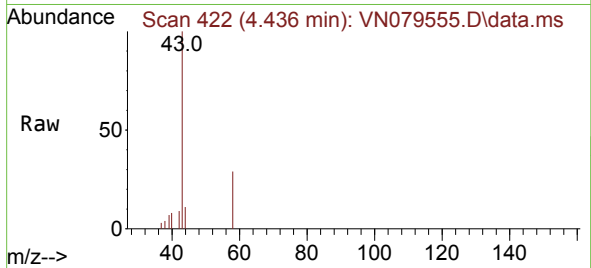




#16
Acetone
Concen: 25.859 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

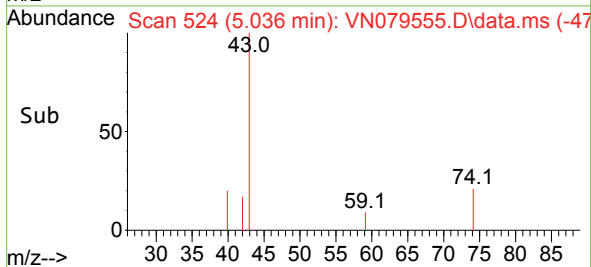
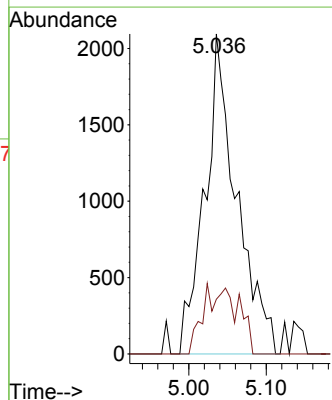
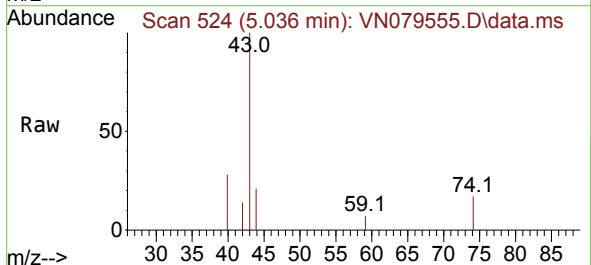
Instrument :
MSVOA_N
ClientSampleId :

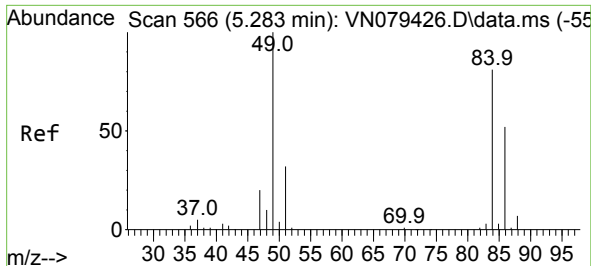
Tgt Ion: 43 Resp: 30510
Ion Ratio Lower Upper
43 100
58 28.6 28.0 42.0



#18
Methyl Acetate
Concen: 1.033 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

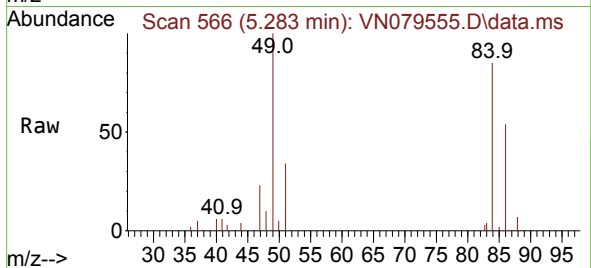
Tgt Ion: 43 Resp: 5968
Ion Ratio Lower Upper
43 100
74 4.3 26.2 39.4#



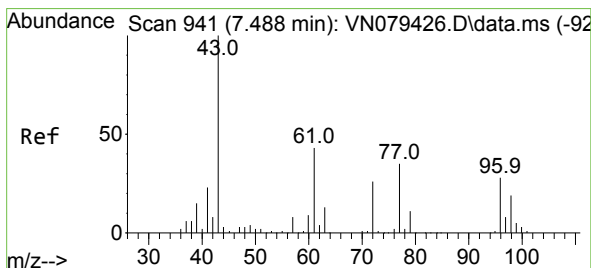
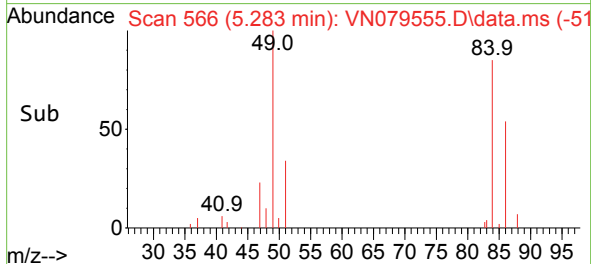
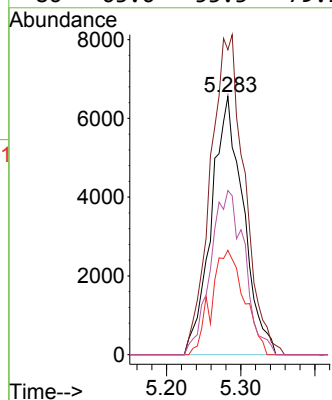


#20
Methylene Chloride
Concen: 7.090 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Instrument :
MSVOA_N
ClientSampleId :

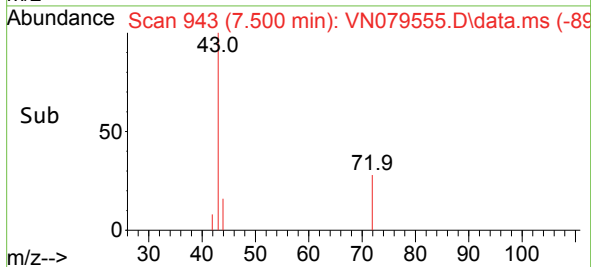
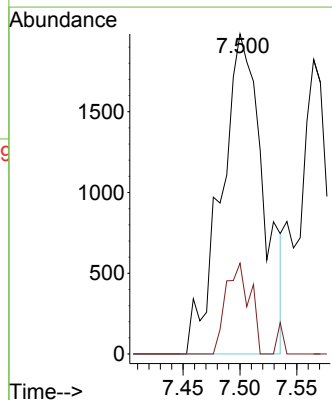
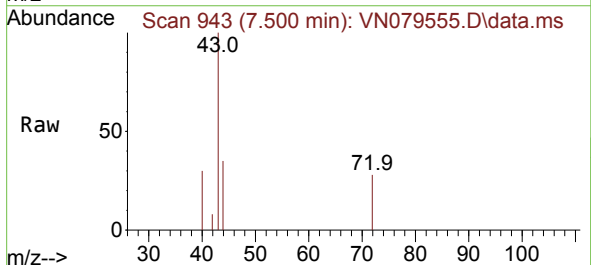


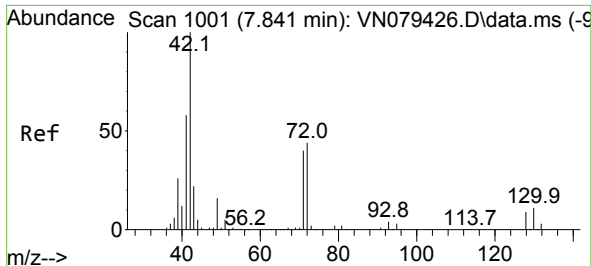
Tgt Ion: 84	Resp: 19653
Ion Ratio	Lower Upper
84 100	
49 118.1	79.7 119.5
51 40.4	25.2 37.8#
86 63.6	53.3 79.9



#25
2-Butanone
Concen: 2.905 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Tgt Ion: 43	Resp: 5087
Ion Ratio	Lower Upper
43 100	
72 28.4	30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.207 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.024 min

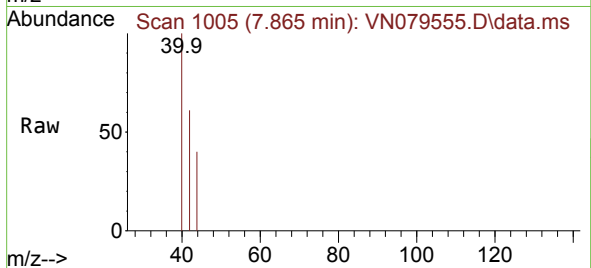
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Acq: 12 Oct 2023 19:11

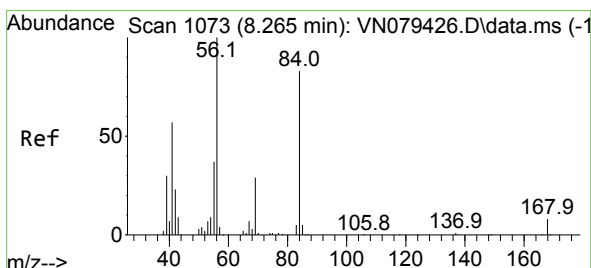
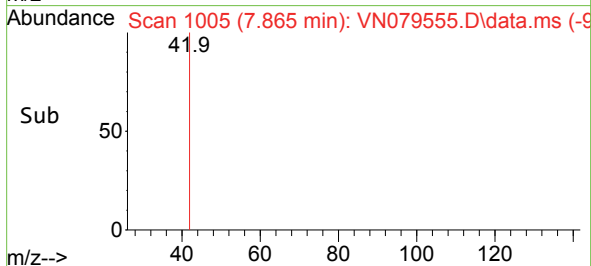
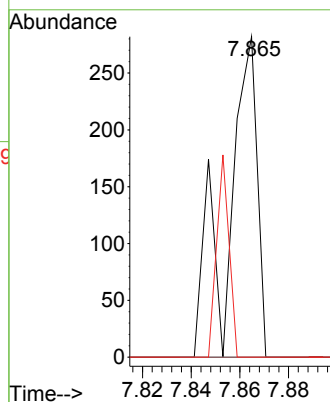
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	235
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	26.8	47.4	71.2#



#31

Cyclohexane

Concen: 1.302 ug/l

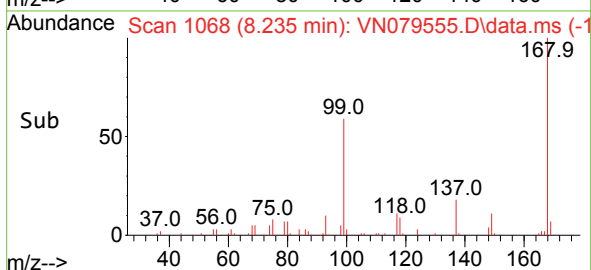
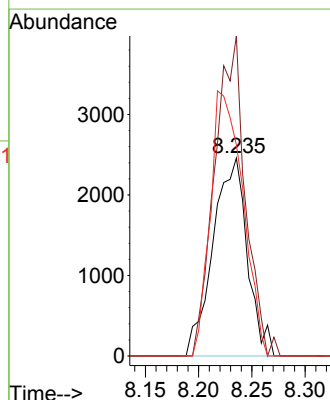
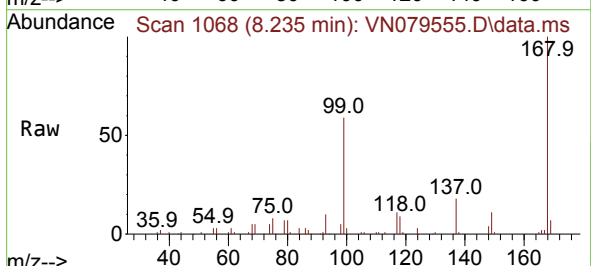
RT: 8.235 min Scan# 1068

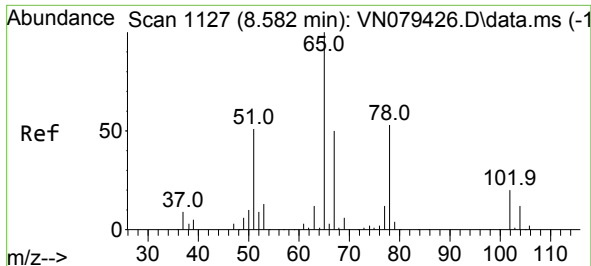
Delta R.T. -0.030 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

Tgt Ion:	56	Resp:	5492
Ion	Ratio	Lower	Upper
56	100		
69	161.7	26.8	40.2#
84	106.7	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 55.342 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

Instrument :

MSVOA_N

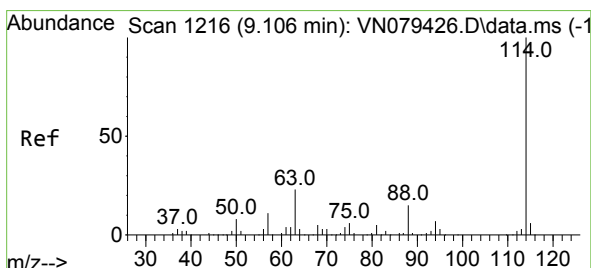
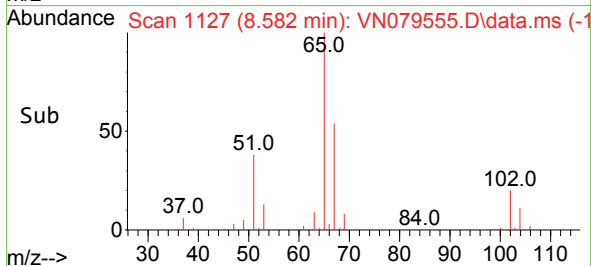
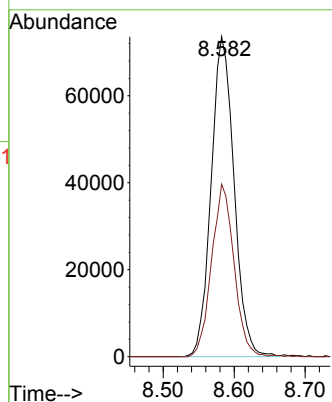
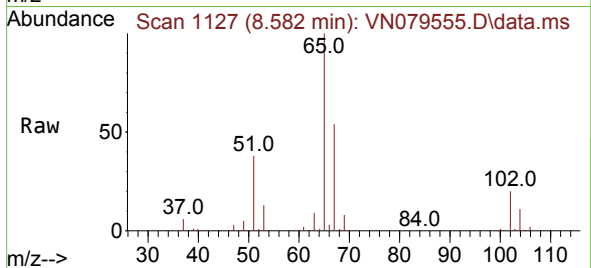
ClientSampleId :

Tgt Ion: 65 Resp: 164622

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

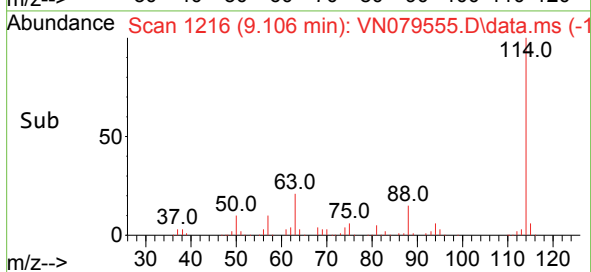
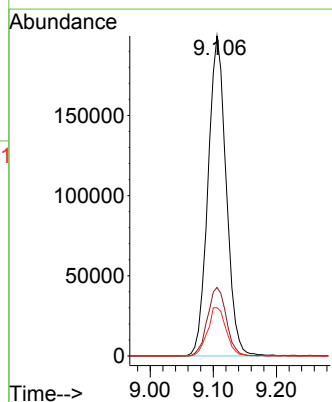
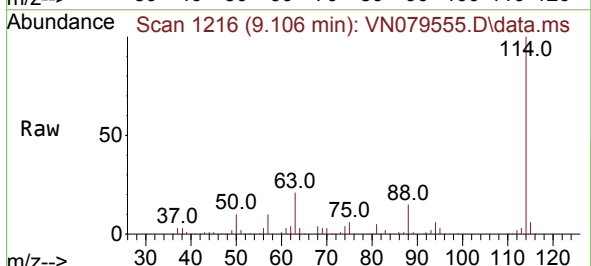
Tgt Ion: 114 Resp: 398691

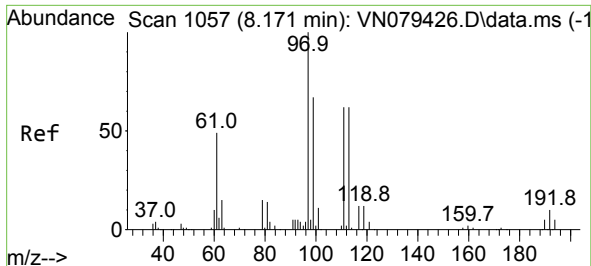
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 47.800 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

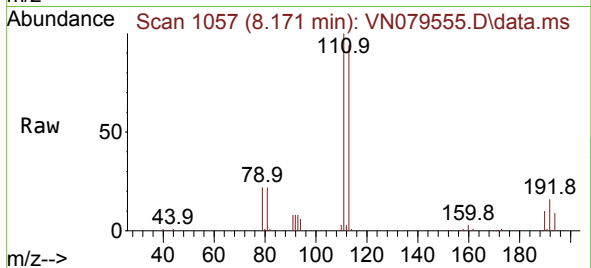
Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

Instrument :

MSVOA_N

ClientSampleId :



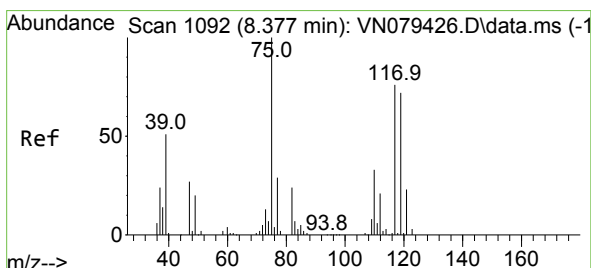
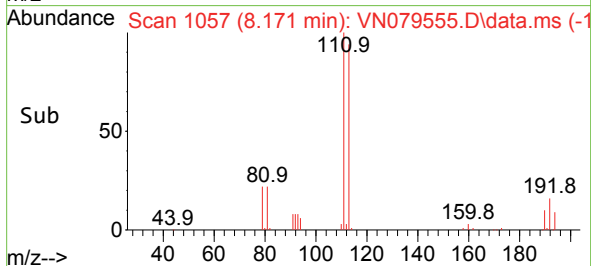
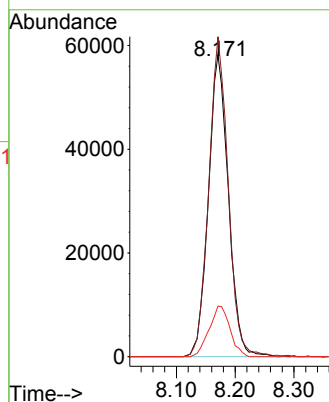
Tgt Ion:113 Resp: 136955

Ion Ratio Lower Upper

113 100

111 103.7 82.6 123.8

192 17.5 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.163 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

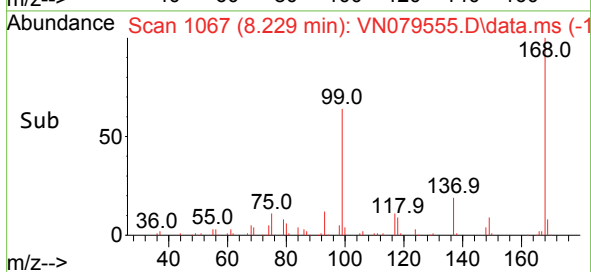
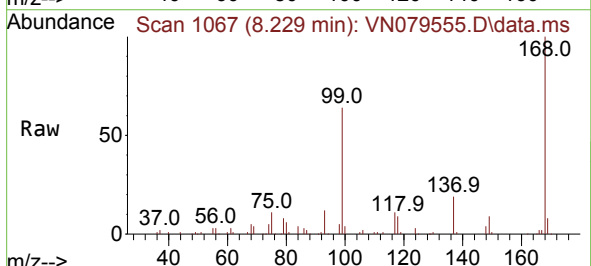
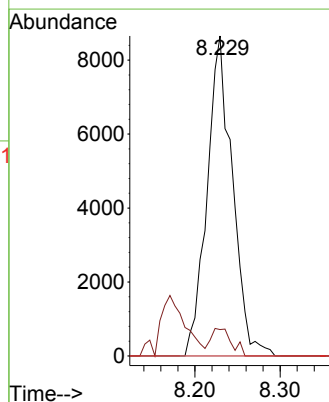
Tgt Ion: 75 Resp: 17901

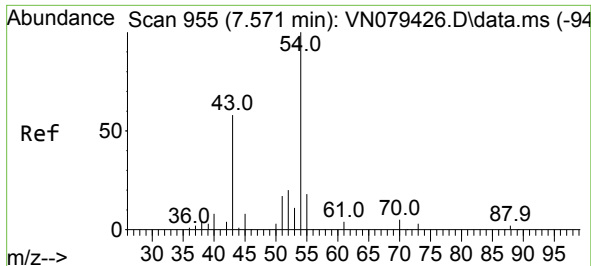
Ion Ratio Lower Upper

75 100

110 7.0 19.1 57.3#

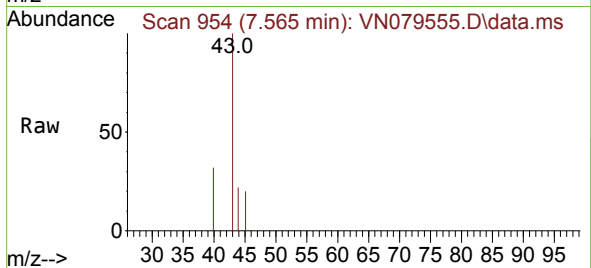
77 0.0 25.0 37.4#



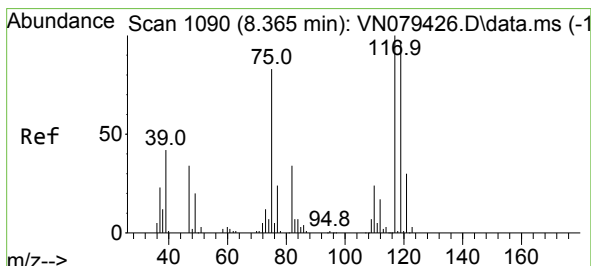
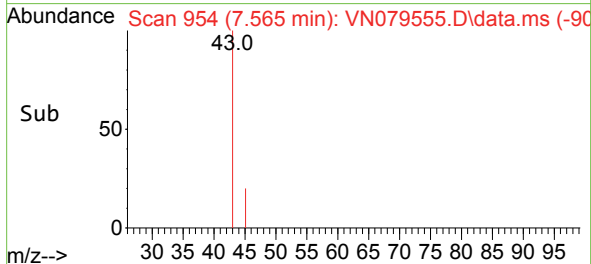
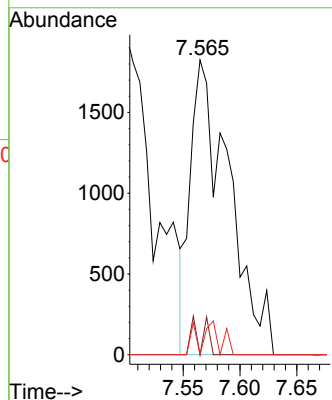


#37
Ethyl Acetate
Concen: 1.007 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Instrument :
MSVOA_N
ClientSampleId :

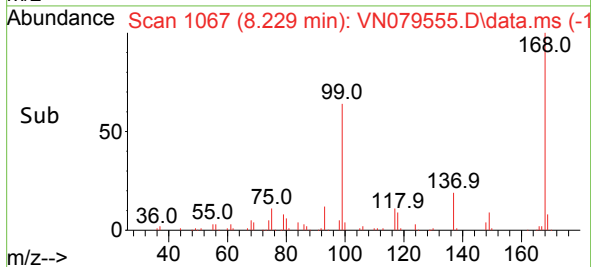
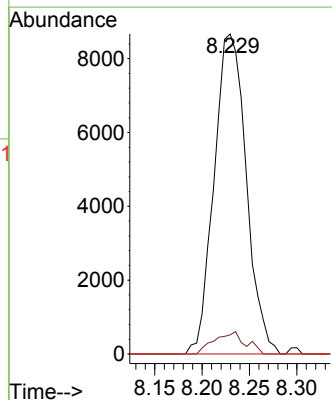
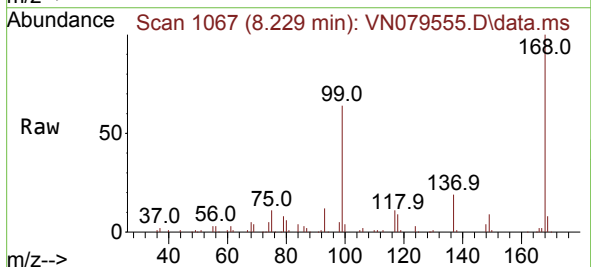


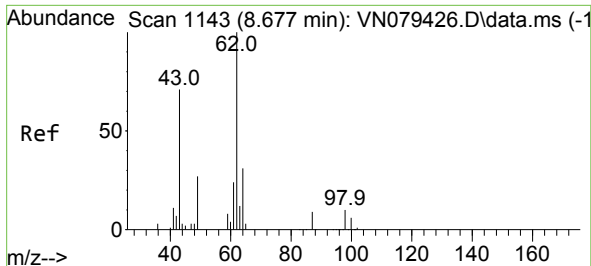
Tgt Ion: 43 Resp: 4308
Ion Ratio Lower Upper
43 100
61 3.9 13.2 19.8#
70 1.6 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.757 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Tgt Ion: 117 Resp: 20480
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.395 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

Instrument :

MSVOA_N

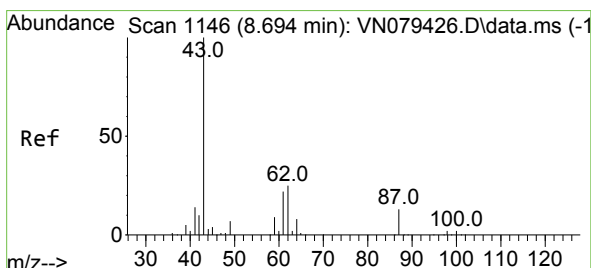
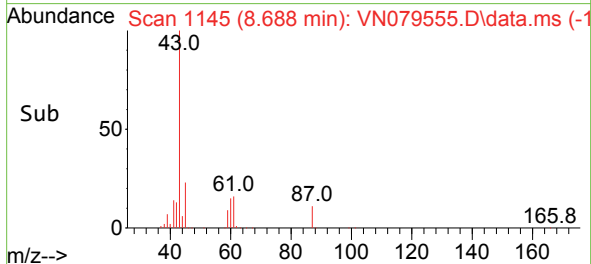
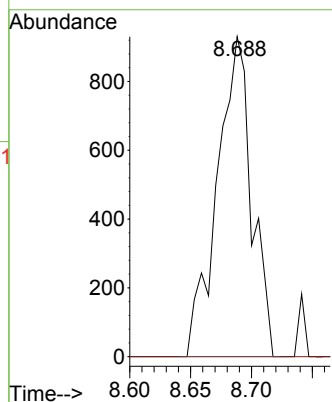
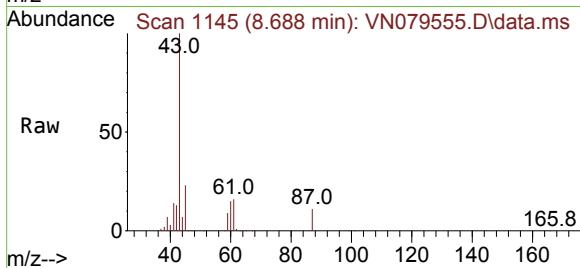
ClientSampleId :

Tgt Ion: 62 Resp: 1831

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 41.391 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

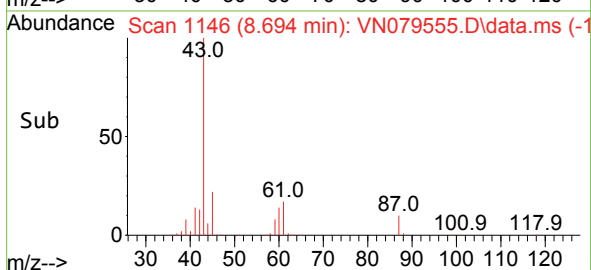
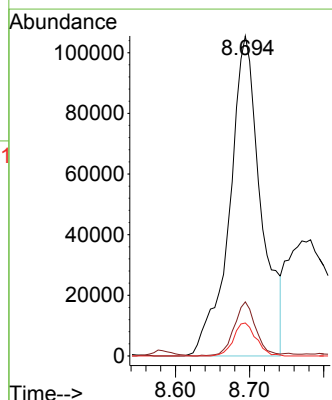
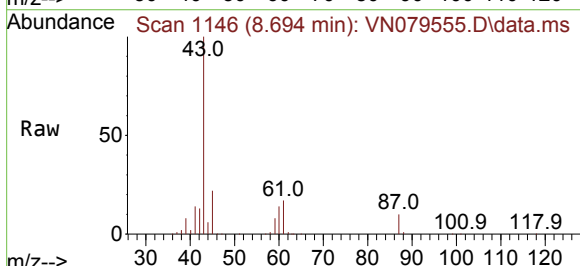
Tgt Ion: 43 Resp: 310278

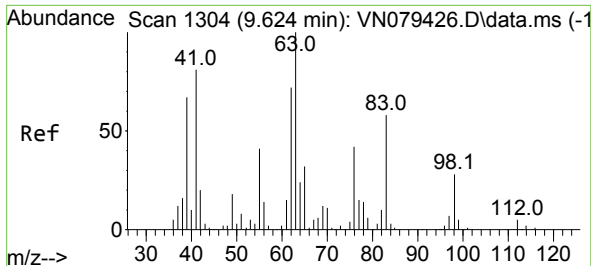
Ion Ratio Lower Upper

43 100

61 11.7 24.7 37.1#

87 7.4 14.6 21.8#

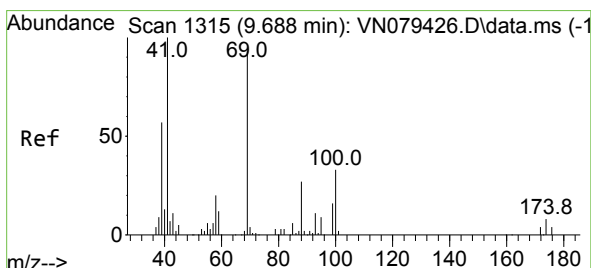
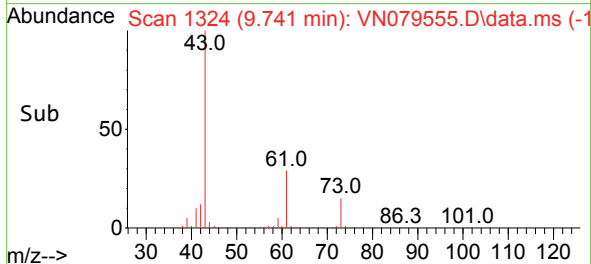
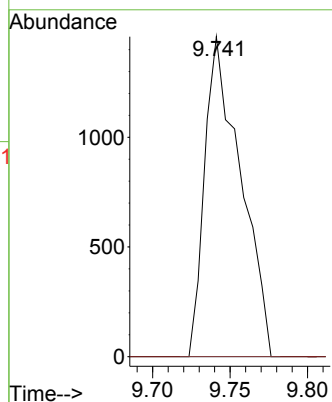
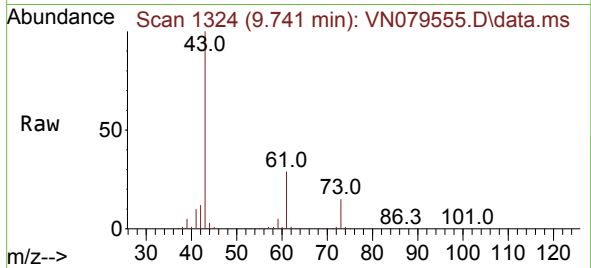




#45
1,2-Dichloropropane
Concen: 0.697 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

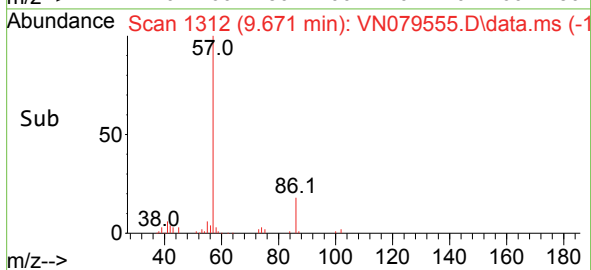
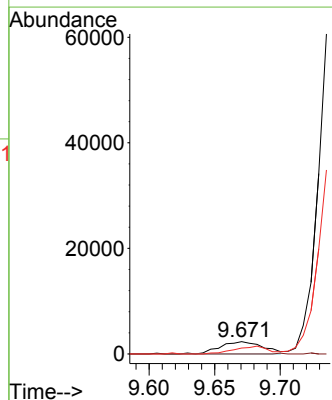
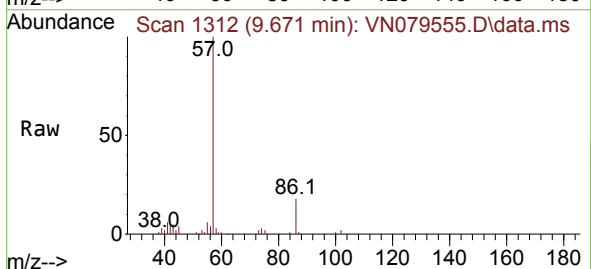
Instrument :
MSVOA_N
ClientSampleId :

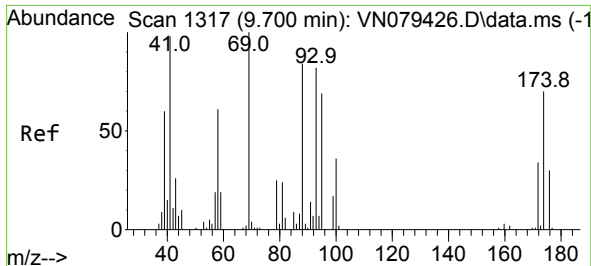
Tgt Ion: 63 Resp: 2346
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.660 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.018 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Tgt Ion: 41 Resp: 5332
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#





#49

1,4-Dioxane

Concen: 0.913 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.035 min

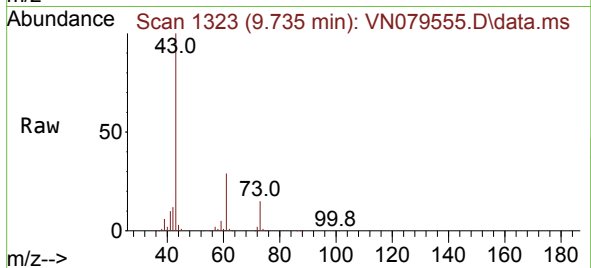
Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

Instrument :

MSVOA_N

ClientSampleId :



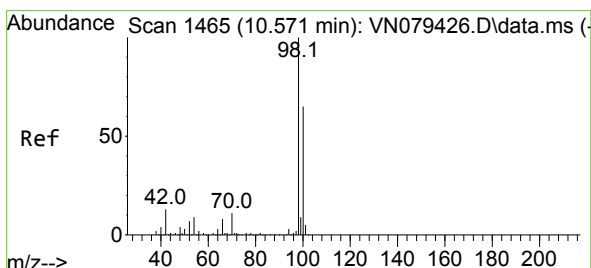
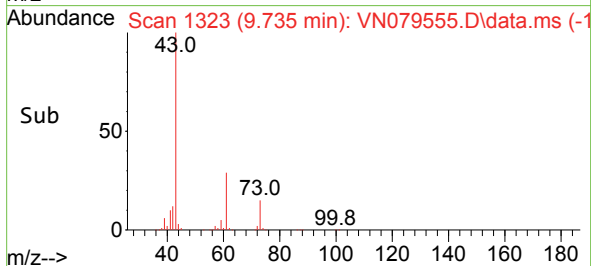
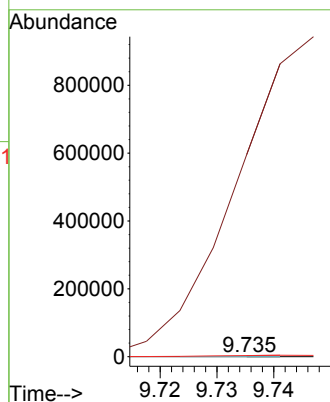
Tgt Ion: 88 Resp: 54

Ion Ratio Lower Upper

88 100

43 3141683.3 17.0 25.6#

58 15448.1 47.0 70.4#



#50

Toluene-d8

Concen: 50.694 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079555.D

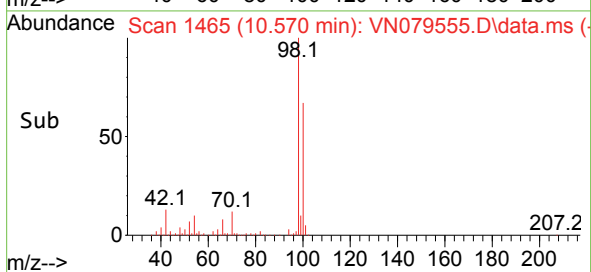
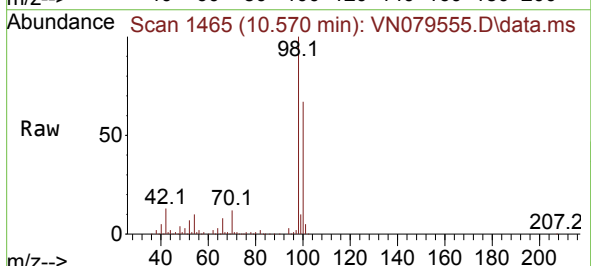
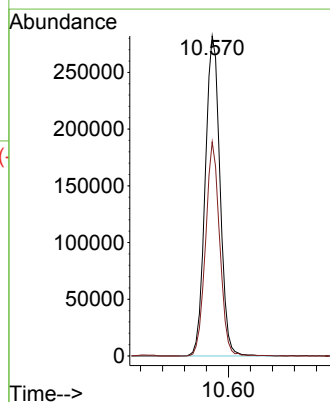
Acq: 12 Oct 2023 19:11

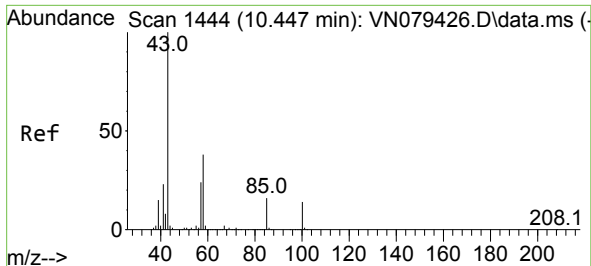
Tgt Ion: 98 Resp: 525539

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0

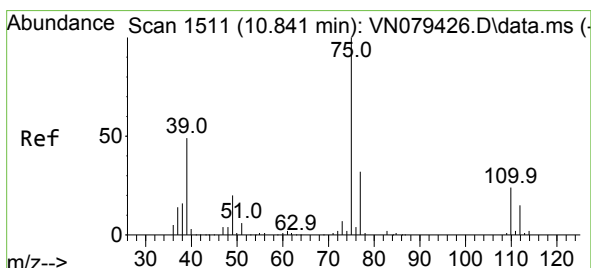
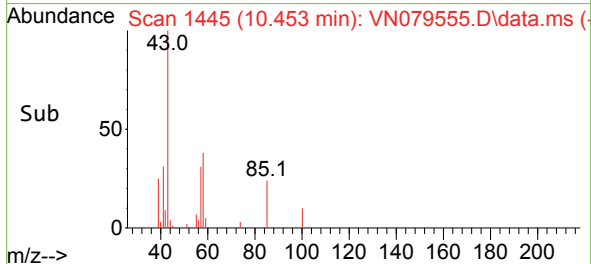
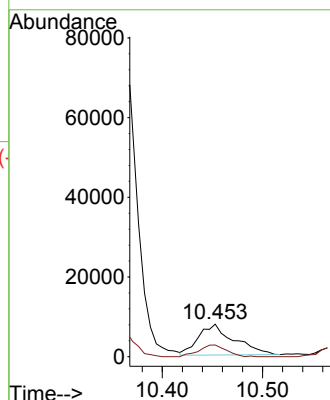
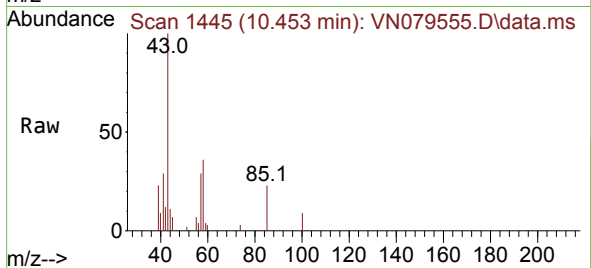




#51
4-Methyl-2-Pentanone
Concen: 4.525 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

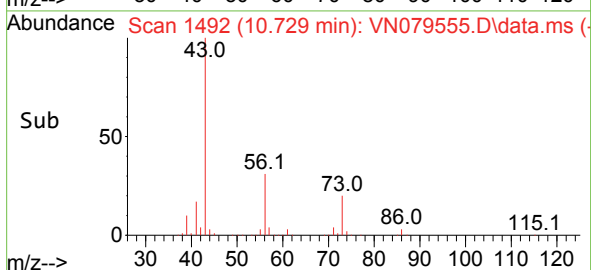
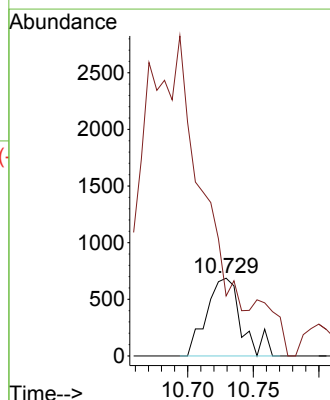
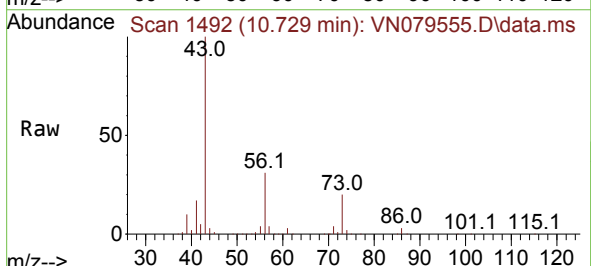
Instrument :
MSVOA_N
ClientSampleId :

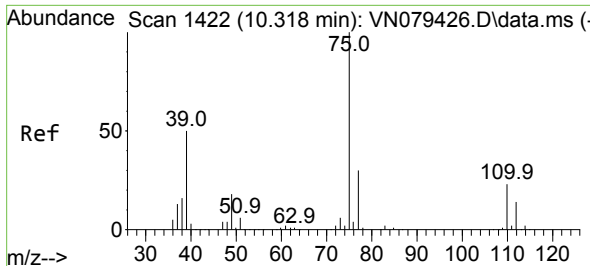
Tgt Ion: 43 Resp: 19147
Ion Ratio Lower Upper
43 100
58 29.2 36.6 54.8#



#53
t-1,3-Dichloropropene
Concen: 0.278 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

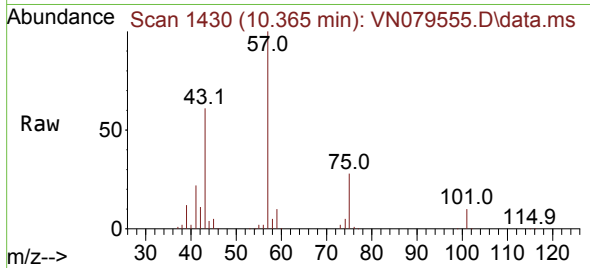
Tgt Ion: 75 Resp: 1256
Ion Ratio Lower Upper
75 100
77 27.1 25.4 38.0



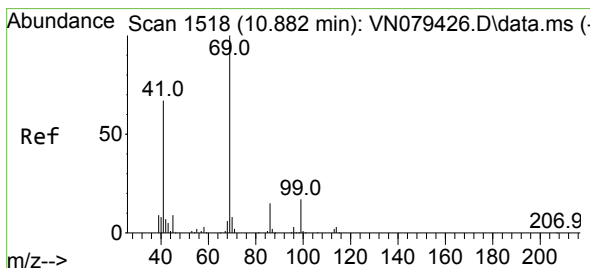
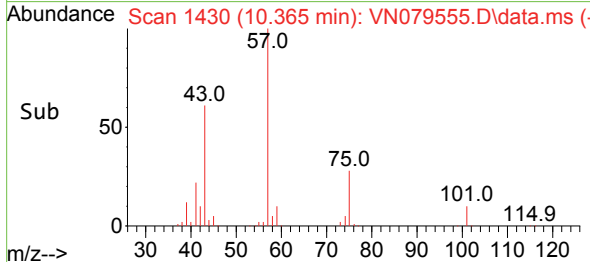
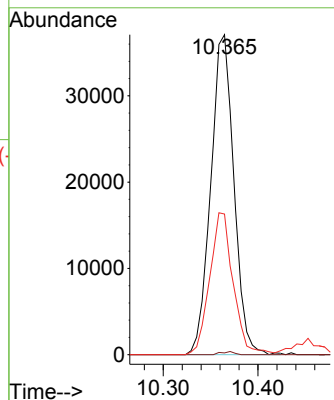


#54
 cis-1,3-Dichloropropene
 Concen: 12.720 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079555.D
 Acq: 12 Oct 2023 19:11

Instrument :
 MSVOA_N
 ClientSampleId :

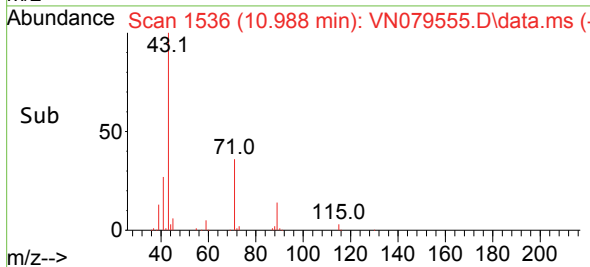
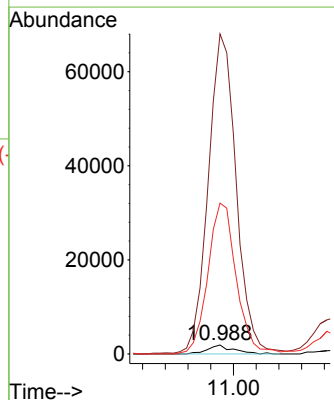
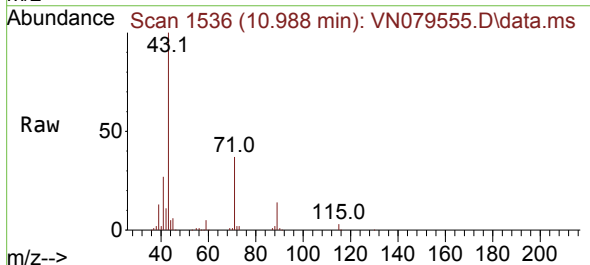


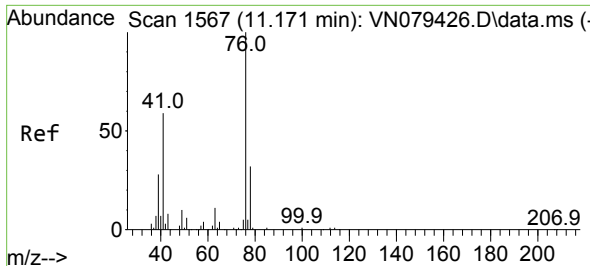
Tgt Ion: 75 Resp: 62904
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 43.9 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.728 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079555.D
 Acq: 12 Oct 2023 19:11

Tgt Ion: 69 Resp: 3021
 Ion Ratio Lower Upper
 69 100
 41 3865.0 39.6 59.4#
 39 1838.2 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.541 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

Instrument :

MSVOA_N

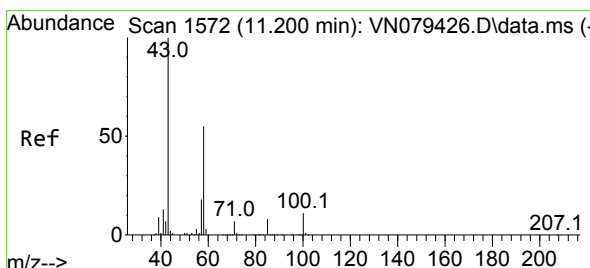
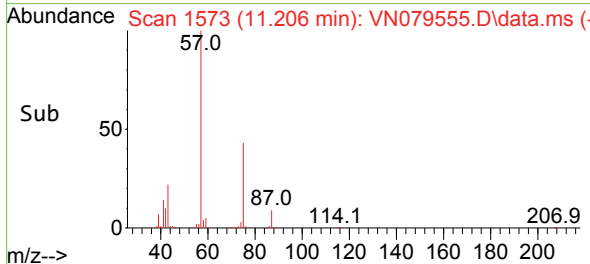
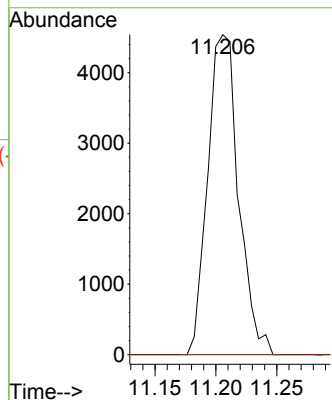
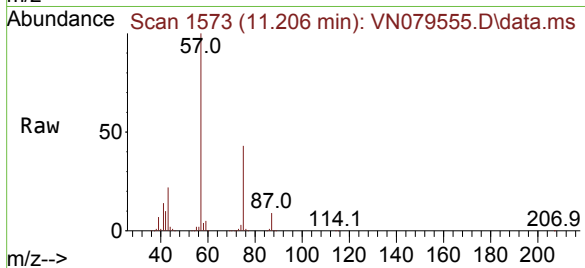
ClientSampleId :

Tgt Ion: 76 Resp: 8033

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 33.700 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079555.D

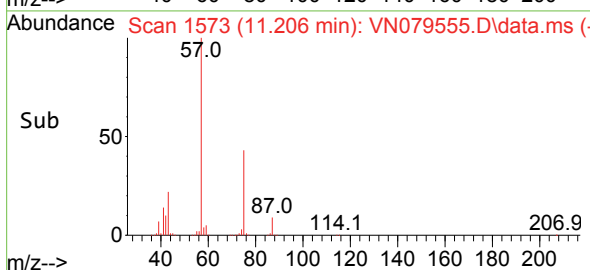
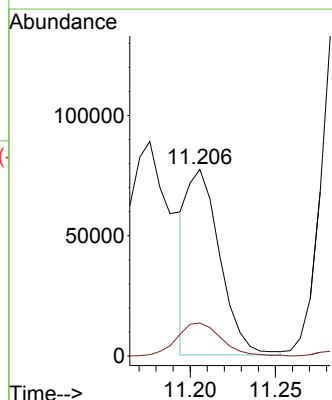
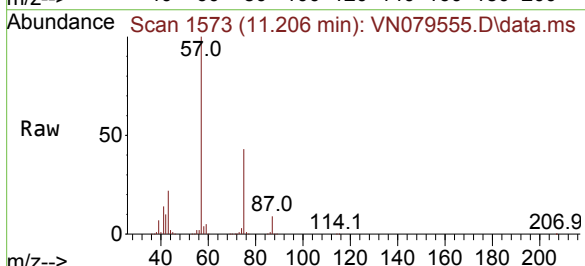
Acq: 12 Oct 2023 19:11

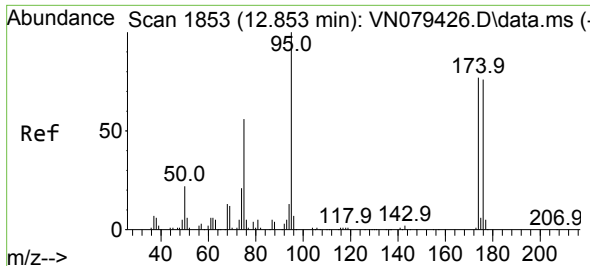
Tgt Ion: 43 Resp: 102906

Ion Ratio Lower Upper

43 100

58 24.2 31.7 95.1#

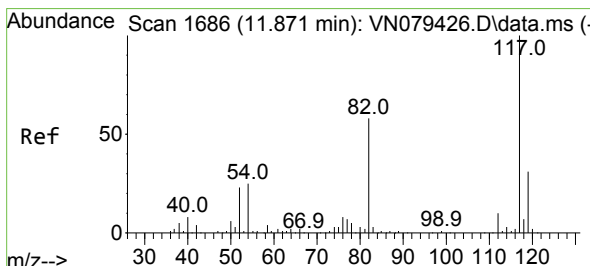
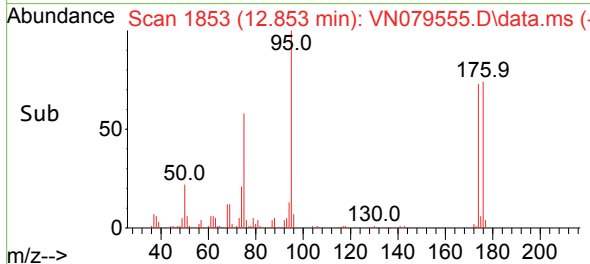
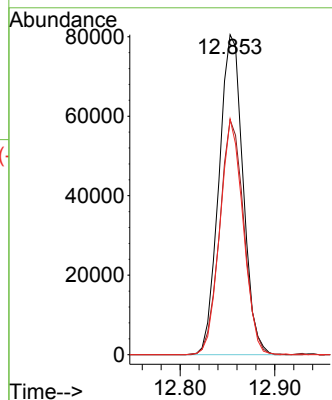
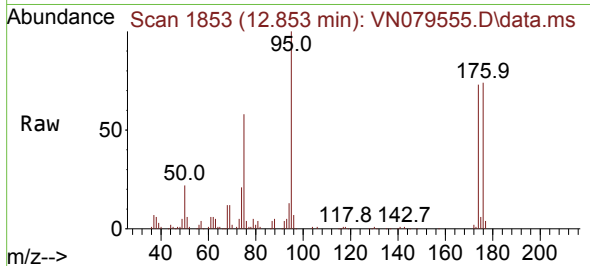




#62
4-Bromofluorobenzene
Concen: 42.751 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

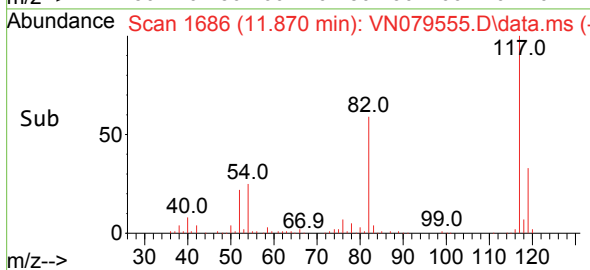
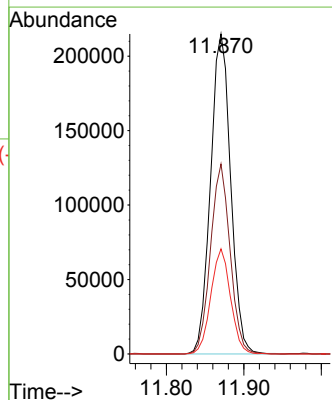
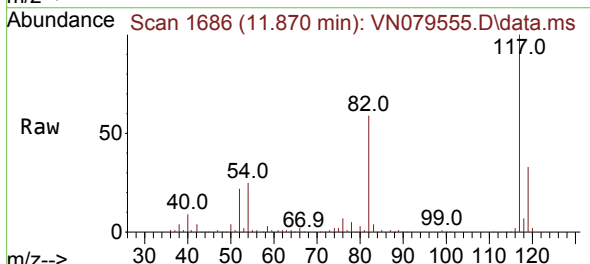
Instrument :
MSVOA_N
ClientSampleId :

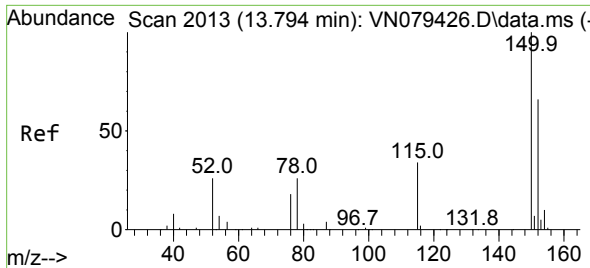
Tgt Ion: 95 Resp: 142229
Ion Ratio Lower Upper
95 100
174 73.8 0.0 143.8
176 71.2 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079555.D
Acq: 12 Oct 2023 19:11

Tgt Ion: 117 Resp: 387704
Ion Ratio Lower Upper
117 100
82 59.3 44.0 66.0
119 32.9 25.6 38.4

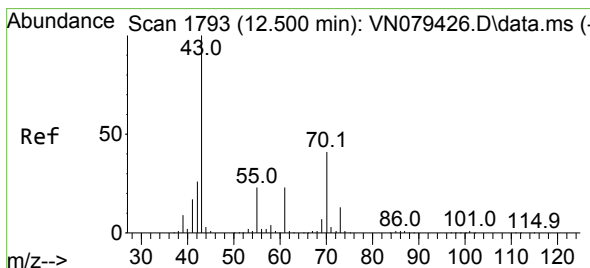
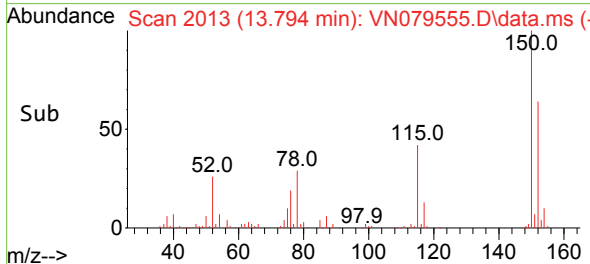
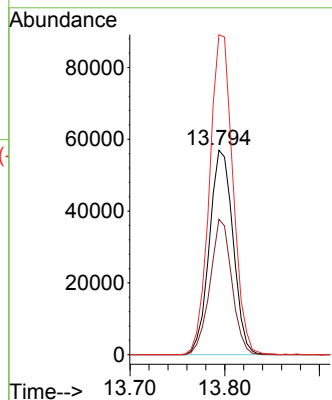
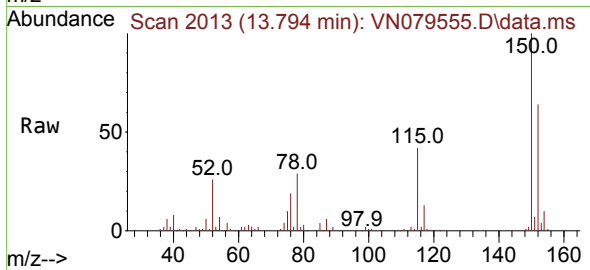




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079555.D
 Acq: 12 Oct 2023 19:11

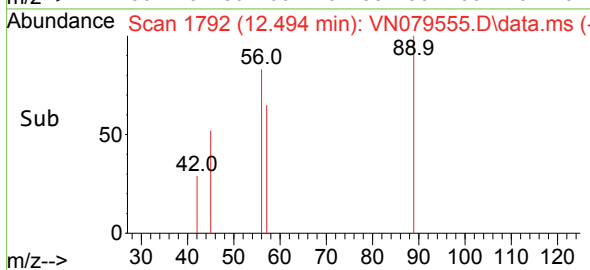
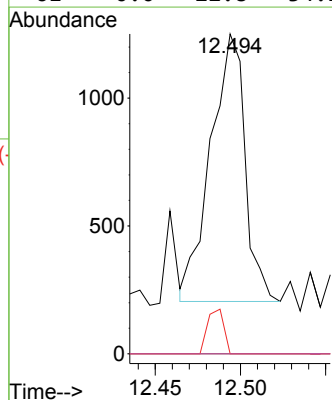
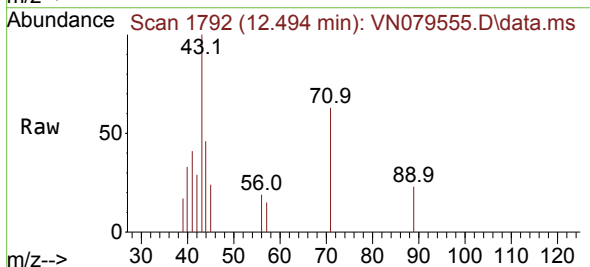
Instrument :
 MSVOA_N
 ClientSampleId :

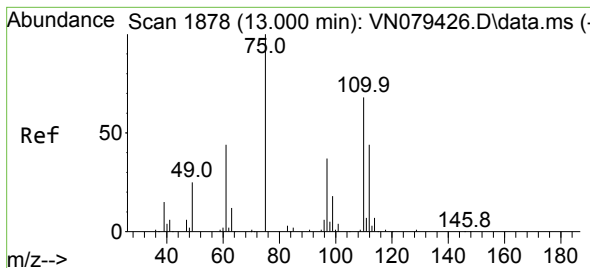
Tgt Ion:152 Resp: 99127
 Ion Ratio Lower Upper
 152 100
 115 61.0 32.3 96.8
 150 154.9 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.388 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. -0.006 min
 Lab File: VN079555.D
 Acq: 12 Oct 2023 19:11

Tgt Ion: 43 Resp: 1467
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 7.9 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.867 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

Instrument :

MSVOA_N

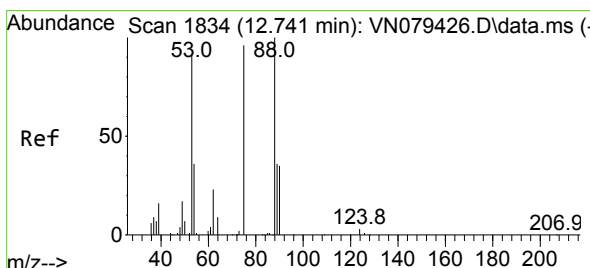
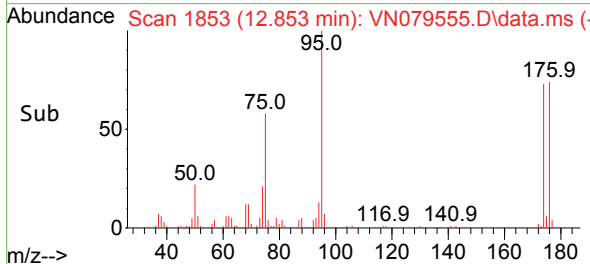
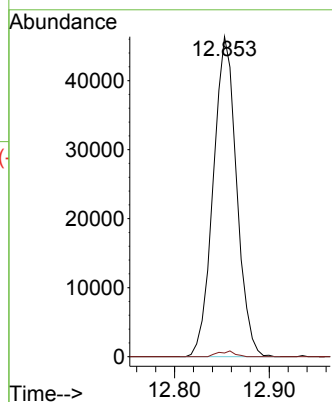
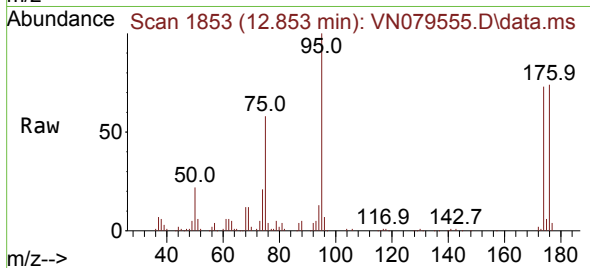
ClientSampleId :

Tgt Ion: 75 Resp: 79646

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.857 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079555.D

Acq: 12 Oct 2023 19:11

Tgt Ion: 75 Resp: 79646

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.1 38.8 58.2#

