

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079390.D
 Acq On : 30 Sep 2023 16:34
 Operator : JC\MD
 Sample : PB155992ZHE#10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:57:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

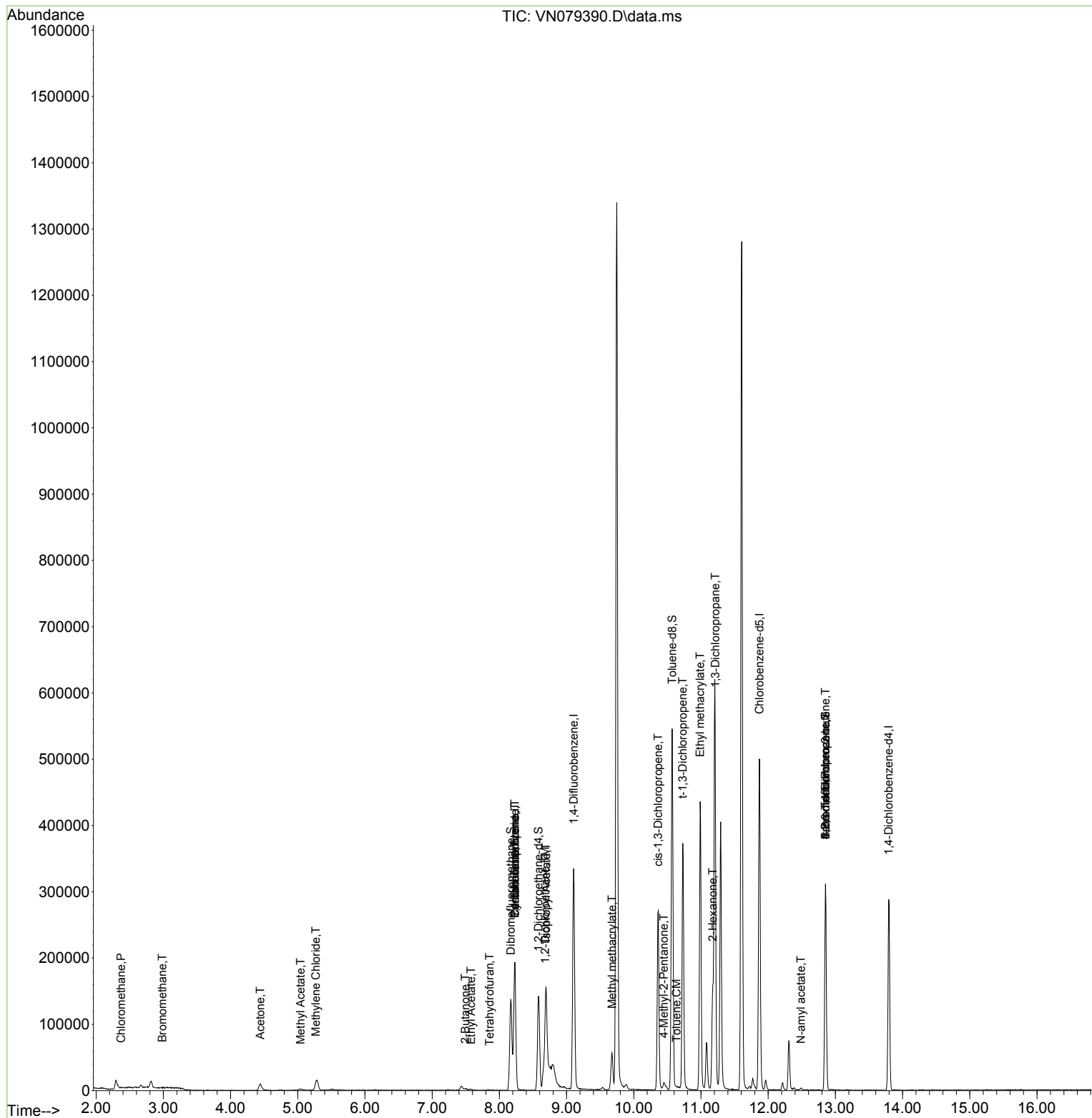
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	132628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	277766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	277445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	73726	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	116332	64.977	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 129.960%#	
35) Dibromofluoromethane	8.171	113	99389	53.792	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.580%	
50) Toluene-d8	10.570	98	364533	53.732	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.460%	
62) 4-Bromofluorobenzene	12.853	95	102169	47.212	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	723	0.420	ug/l #	42
5) Bromomethane	2.983	94	345	0.320	ug/l #	4
6) Chloroethane	3.130	64	297	Below Cal	#	43
16) Acetone	4.441	43	19339	25.434	ug/l	89
18) Methyl Acetate	5.041	43	3872	1.239	ug/l #	57
20) Methylene Chloride	5.271	84	12123	6.552	ug/l #	83
25) 2-Butanone	7.494	43	4724	4.282	ug/l #	87
29) Tetrahydrofuran	7.853	42	326	0.464	ug/l #	20
31) Cyclohexane	8.229	56	3400	1.301	ug/l #	43
36) 1,1-Dichloropropene	8.229	75	12257	4.304	ug/l #	47
37) Ethyl Acetate	7.577	43	3442	1.212	ug/l #	72
38) Carbon Tetrachloride	8.229	117	13846	4.698	ug/l #	18
42) 1,2-Dichloroethane	8.682	62	712	0.237	ug/l #	73
43) Isopropyl Acetate	8.694	43	215961	46.594	ug/l #	70
48) Methyl methacrylate	9.676	41	3909	1.883	ug/l #	31
51) 4-Methyl-2-Pentanone	10.447	43	11286	4.195	ug/l #	68
52) Toluene	10.635	92	1409	0.263	ug/l	77
53) t-1,3-Dichloropropene	10.729	75	873	0.275	ug/l #	73
54) cis-1,3-Dichloropropene	10.365	75	45229	13.331	ug/l #	71
56) Ethyl methacrylate	10.988	69	2144	0.722	ug/l #	1
57) 1,3-Dichloropropane	11.212	76	6686	1.840	ug/l #	42
59) 2-Hexanone	11.176	43	124700	63.990	ug/l #	19
71) Bromoform	12.853	173	1232	0.708	ug/l #	1
74) N-amyl acetate	12.488	43	1315	0.517	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	57258	28.816	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	57258	79.222	ug/l #	15

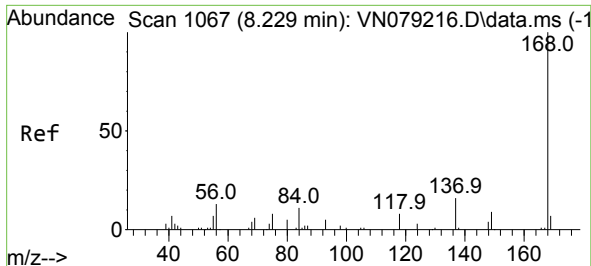
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 30 Sep 2023 16:34
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ALS Vial : 16 Sample Multiplier: 1

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MSVOA_N
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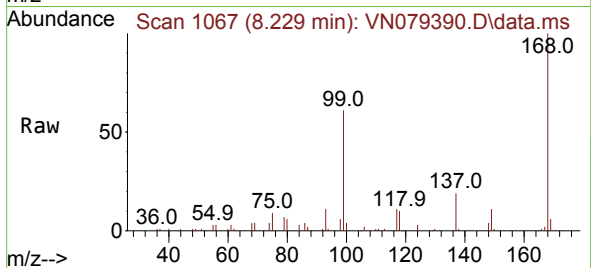
Quant Time: Oct 02 01:57:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



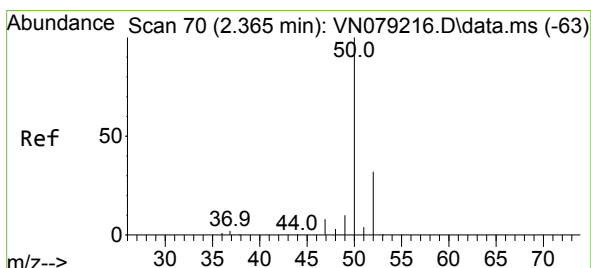
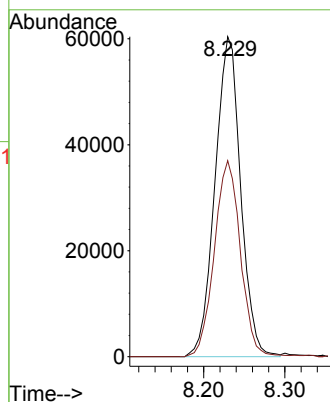
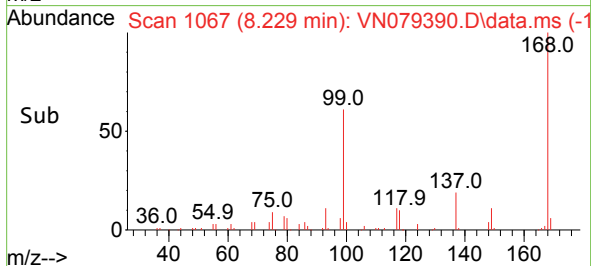


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Instrument :
MSVOA_N
ClientSampleId :

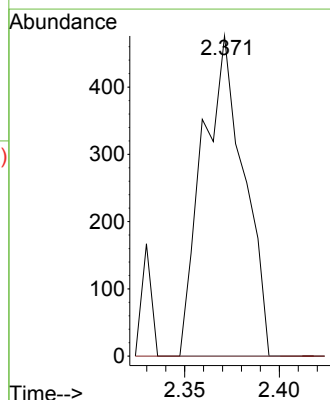
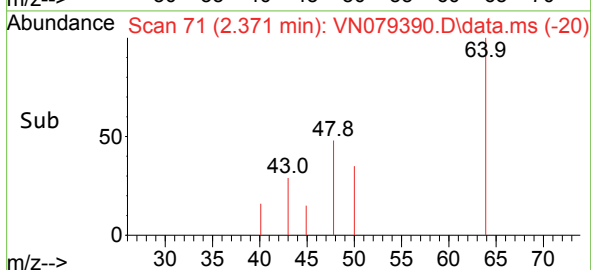
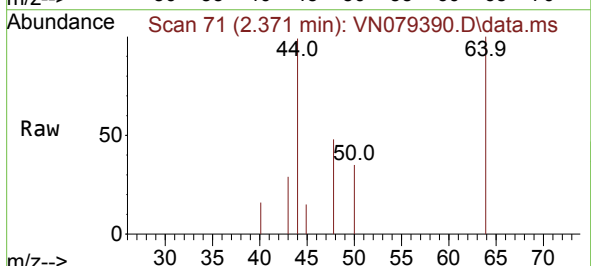


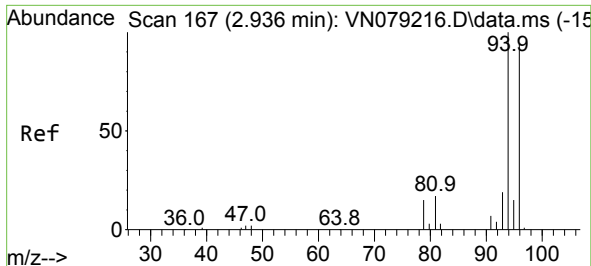
Tgt Ion:168 Resp: 132628
Ion Ratio Lower Upper
168 100
99 61.3 53.0 79.6



#3
Chloromethane
Concen: 0.420 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Tgt Ion: 50 Resp: 723
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#





#5

Bromomethane

Concen: 0.320 ug/l

RT: 2.983 min Scan# 11

Delta R.T. 0.035 min

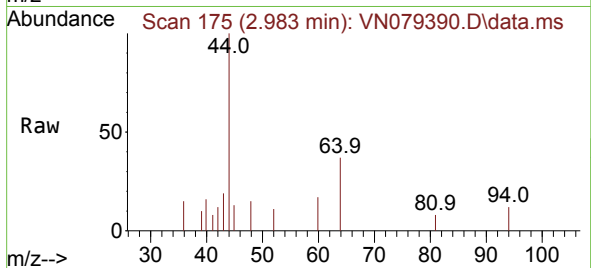
Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :

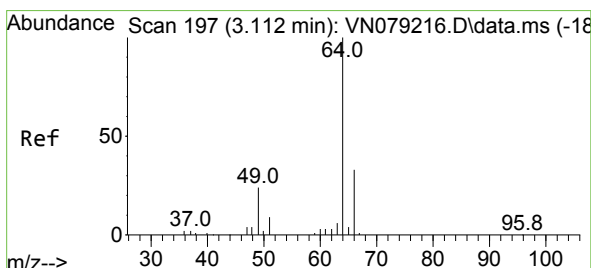
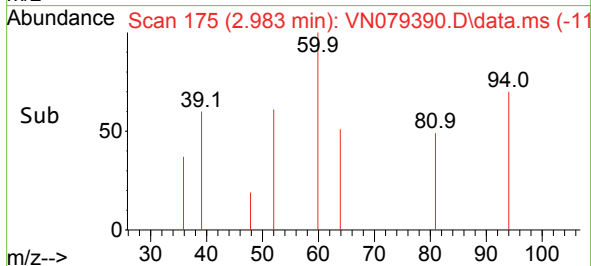
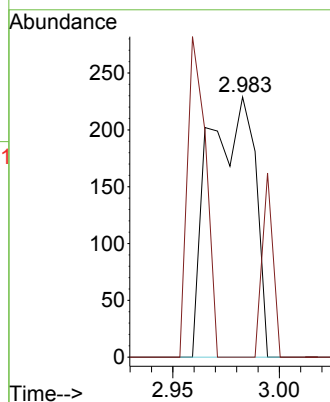


Tgt Ion: 94 Resp: 345

Ion Ratio Lower Upper

94 100

96 0.0 73.1 109.7#



#6

Chloroethane

Concen: Below Cal

RT: 3.130 min Scan# 200

Delta R.T. 0.012 min

Lab File: VN079390.D

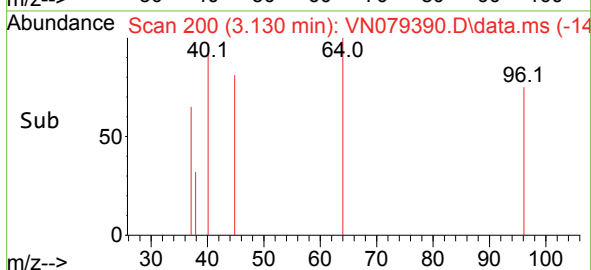
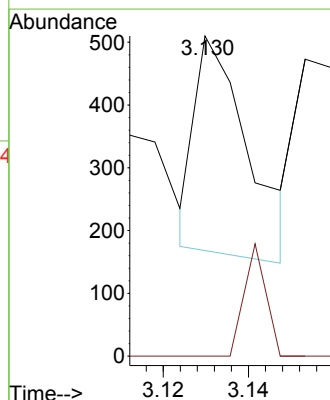
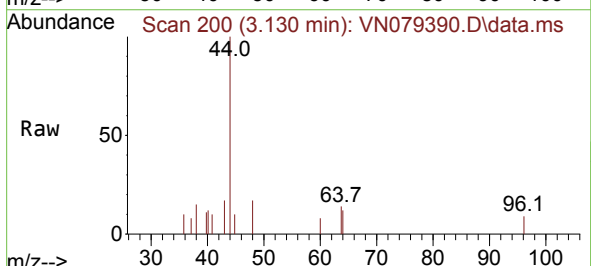
Acq: 30 Sep 2023 16:34

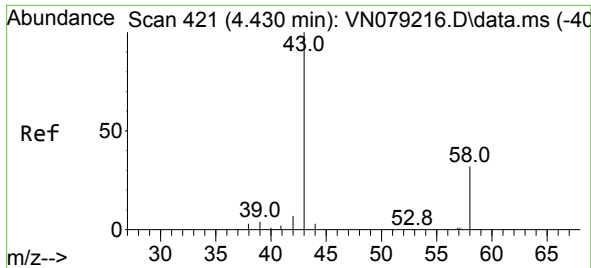
Tgt Ion: 64 Resp: 297

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.2#





#16

Acetone

Concen: 25.434 ug/l

RT: 4.441 min Scan# 41

Delta R.T. -0.001 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

Instrument :

MSVOA_N

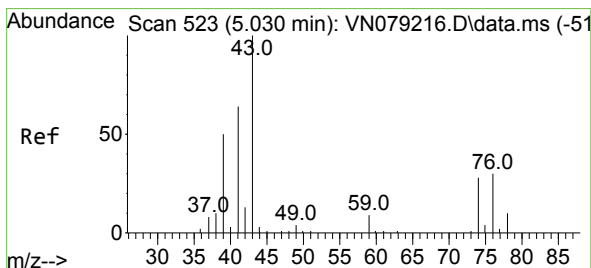
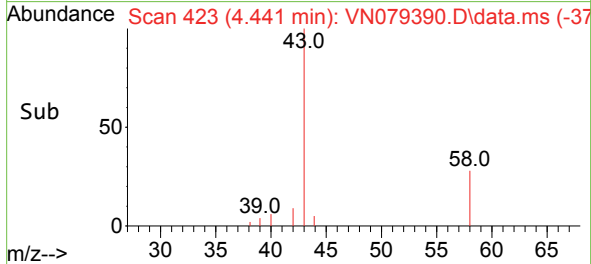
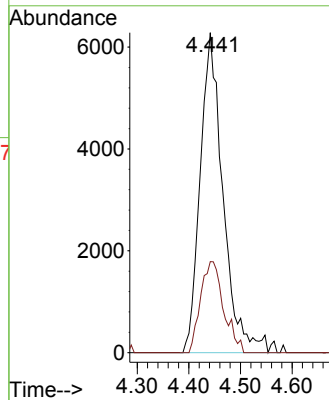
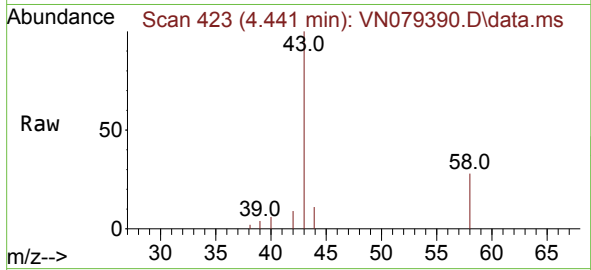
ClientSampleId :

Tgt Ion: 43 Resp: 19339

Ion Ratio Lower Upper

43 100

58 28.4 28.0 42.0



#18

Methyl Acetate

Concen: 1.239 ug/l

RT: 5.041 min Scan# 525

Delta R.T. -0.001 min

Lab File: VN079390.D

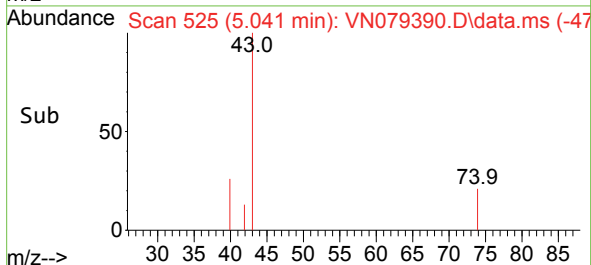
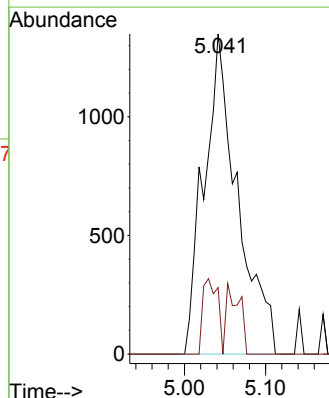
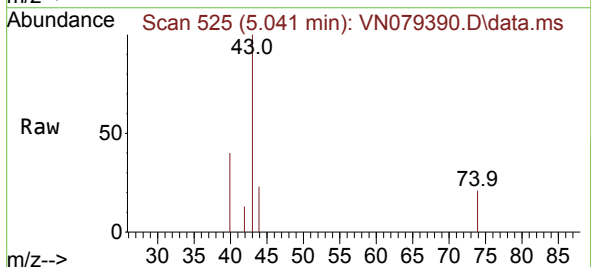
Acq: 30 Sep 2023 16:34

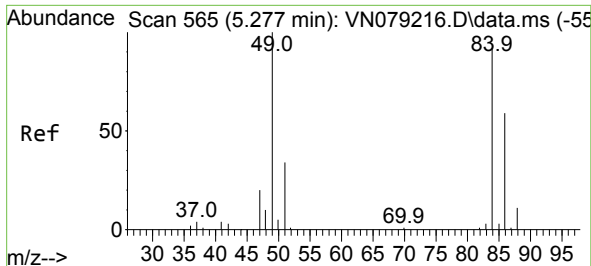
Tgt Ion: 43 Resp: 3872

Ion Ratio Lower Upper

43 100

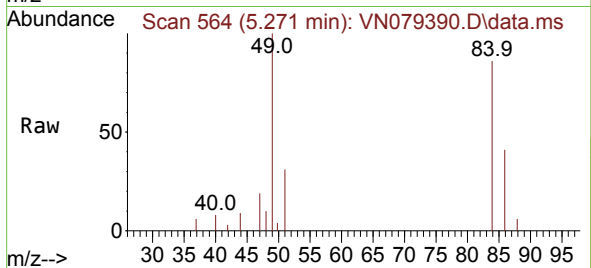
74 8.7 26.2 39.4#





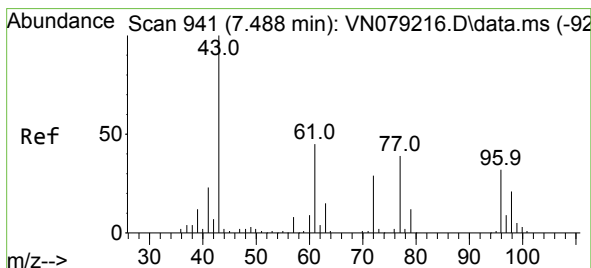
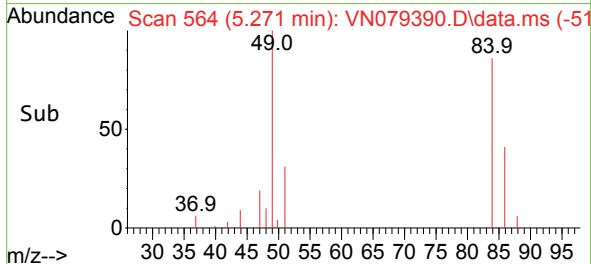
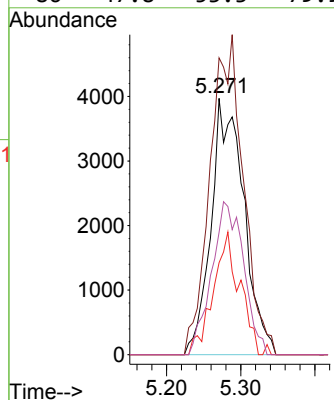
#20
Methylene Chloride
Concen: 6.552 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 12123

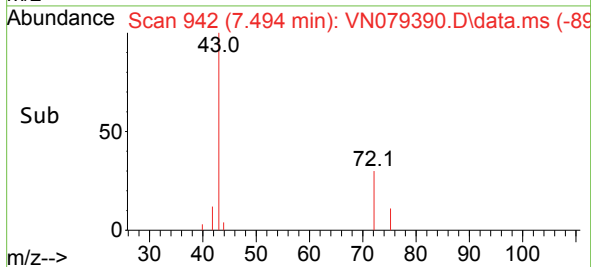
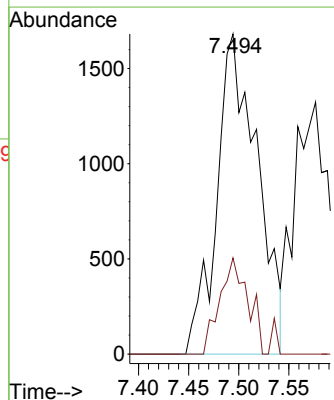
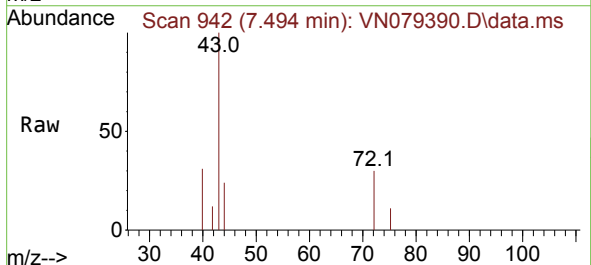
Ion	Ratio	Lower	Upper
84	100		
49	115.8	79.7	119.5
51	35.9	25.2	37.8
86	47.8	53.3	79.9#

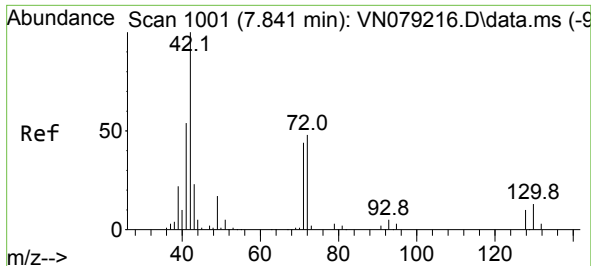


#25
2-Butanone
Concen: 4.282 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Tgt Ion: 43 Resp: 4724

Ion	Ratio	Lower	Upper
43	100		
72	30.0	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.464 ug/l

RT: 7.853 min Scan# 10

Delta R.T. 0.006 min

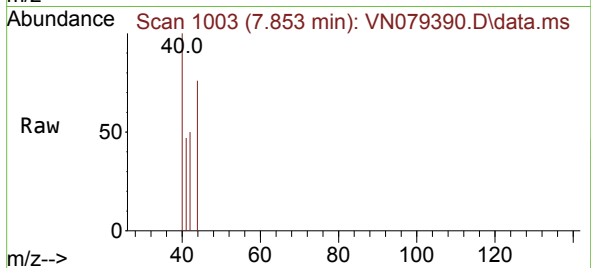
Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

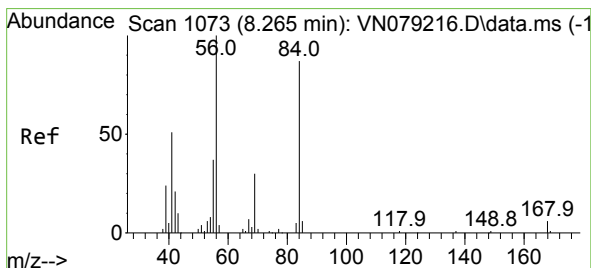
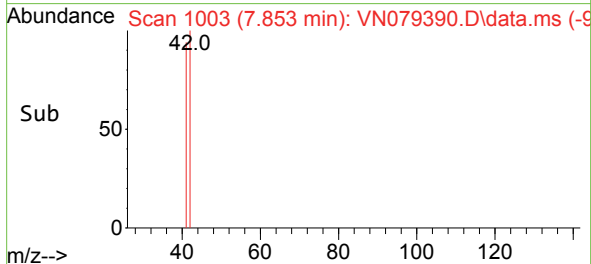
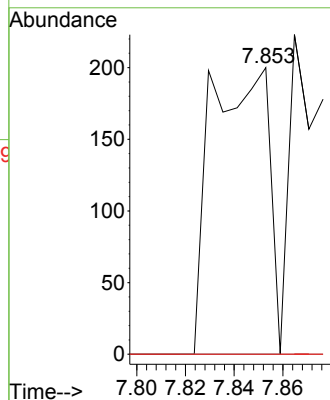
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	326
Ion	Ratio	Lower	Upper
42	100		
72	0.0	49.8	74.6#
71	0.0	47.4	71.2#



#31

Cyclohexane

Concen: 1.301 ug/l

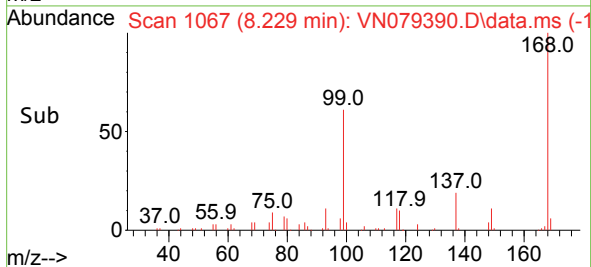
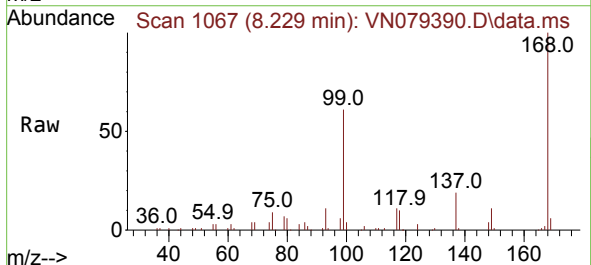
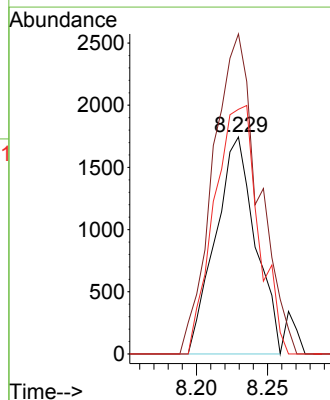
RT: 8.229 min Scan# 1067

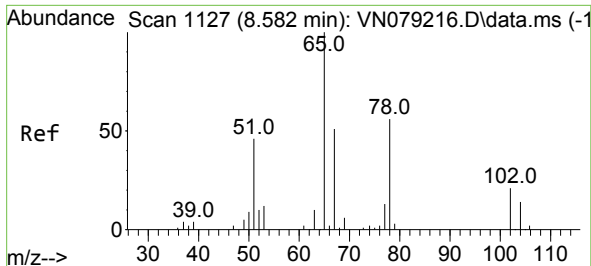
Delta R.T. -0.036 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

Tgt Ion:	56	Resp:	3400
Ion	Ratio	Lower	Upper
56	100		
69	147.5	26.8	40.2#
84	112.8	81.8	122.6





#33

1,2-Dichloroethane-d4

Concen: 64.977 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

Instrument :

MSVOA_N

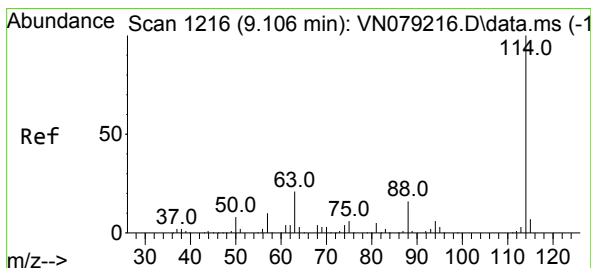
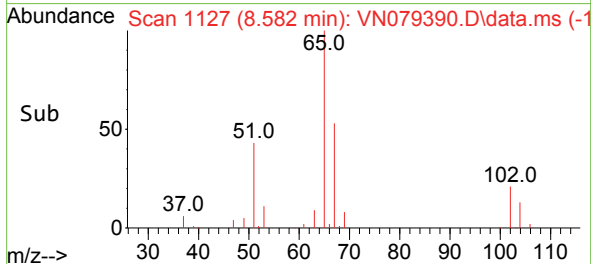
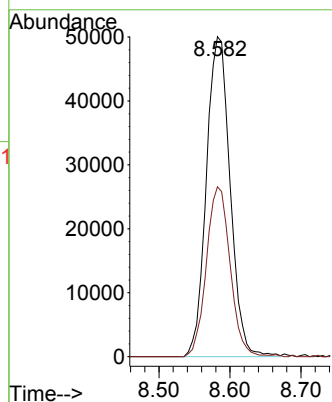
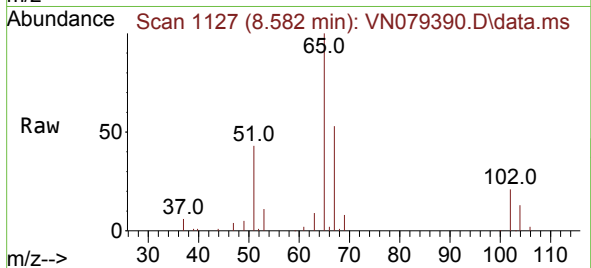
ClientSampleId :

Tgt Ion: 65 Resp: 116332

Ion Ratio Lower Upper

65 100

67 53.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

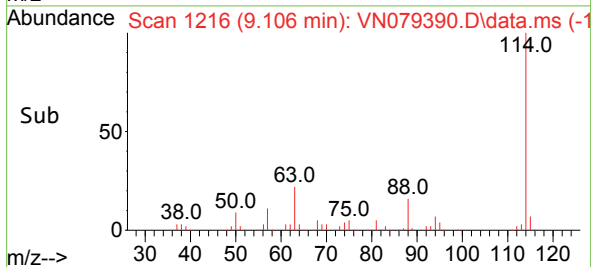
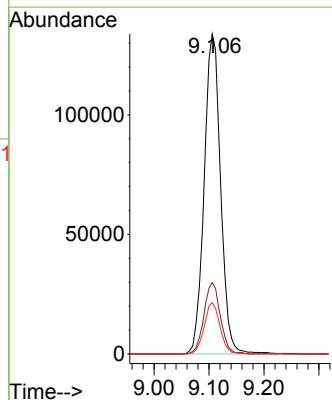
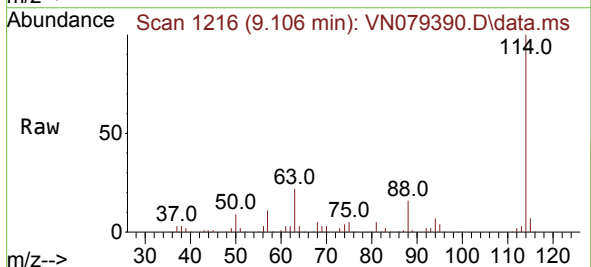
Tgt Ion: 114 Resp: 277766

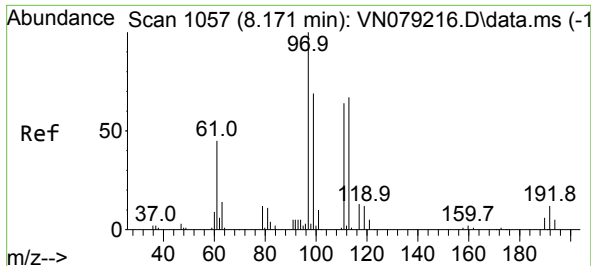
Ion Ratio Lower Upper

114 100

63 22.3 0.0 36.4

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.792 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

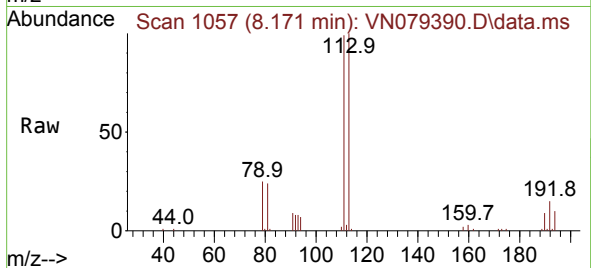
Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

Instrument :

MSVOA_N

ClientSampleId :



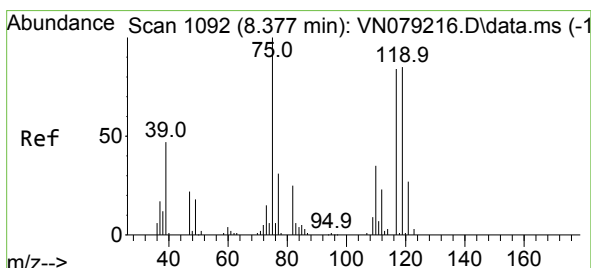
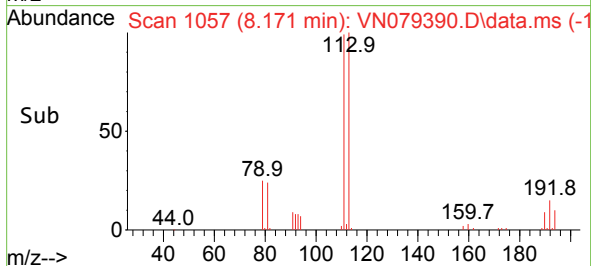
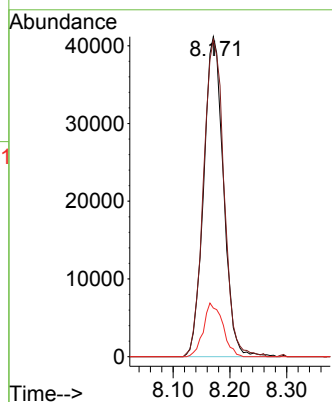
Tgt Ion:113 Resp: 99389

Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 16.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.304 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.148 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

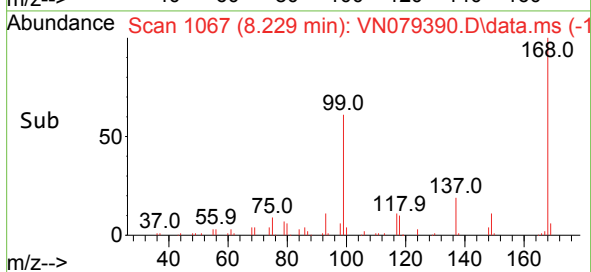
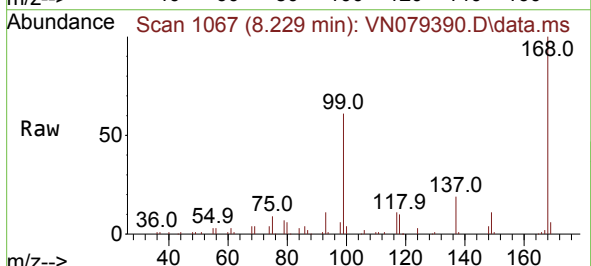
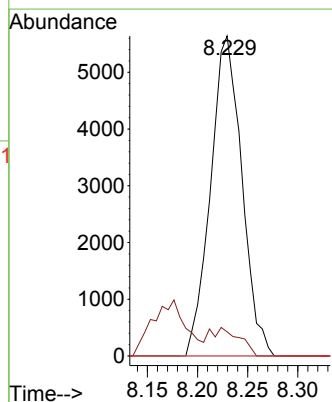
Tgt Ion: 75 Resp: 12257

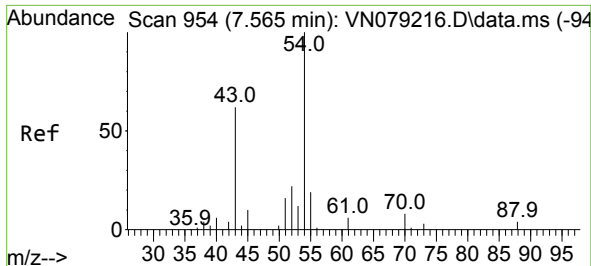
Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.0 37.4#

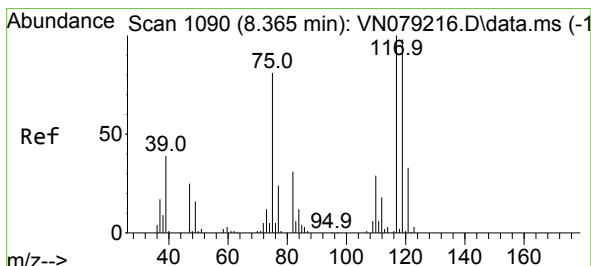
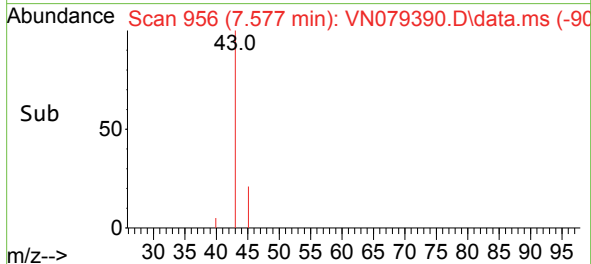
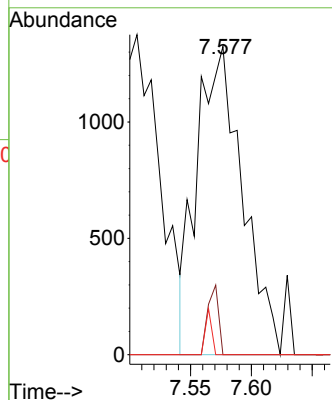
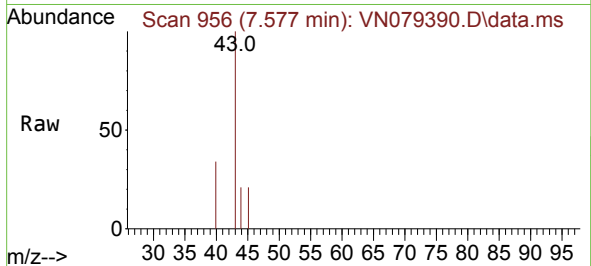




#37
Ethyl Acetate
Concen: 1.212 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

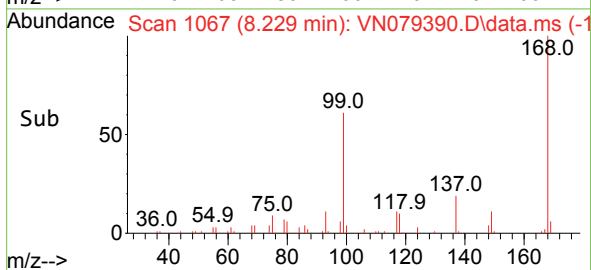
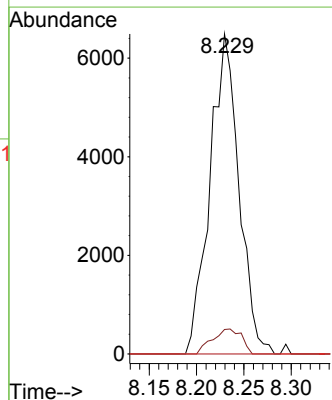
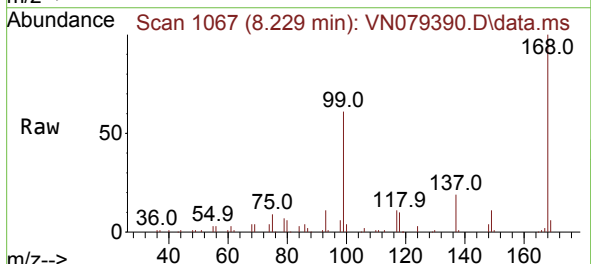
Instrument :
MSVOA_N
ClientSampleId :

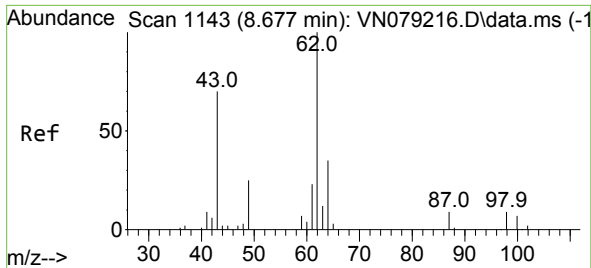
Tgt Ion: 43 Resp: 3442
Ion Ratio Lower Upper
43 100
61 5.3 13.2 19.8#
70 2.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.698 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.142 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Tgt Ion: 117 Resp: 13846
Ion Ratio Lower Upper
117 100
119 7.6 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.237 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

Instrument :

MSVOA_N

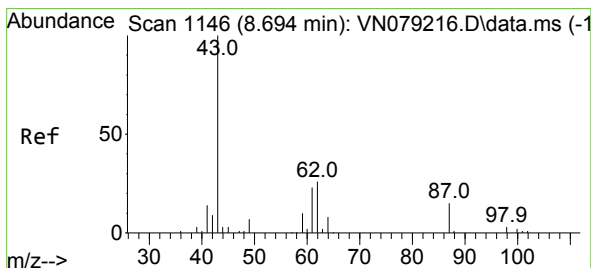
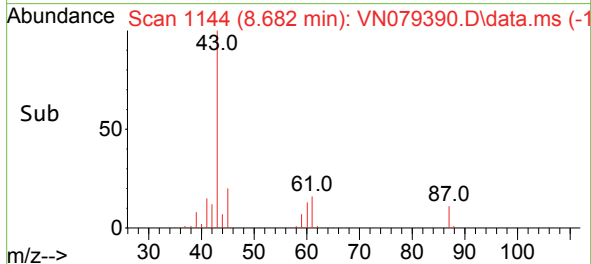
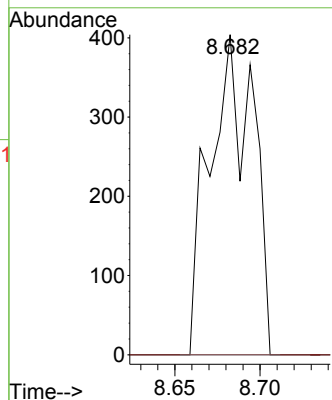
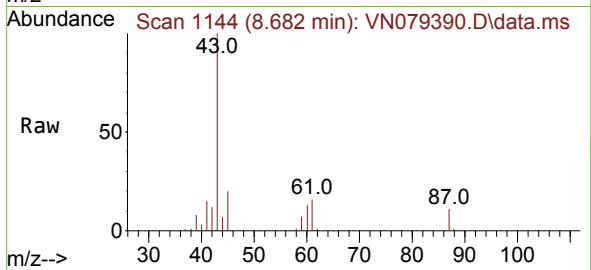
ClientSampleId :

Tgt Ion: 62 Resp: 712

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 46.594 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

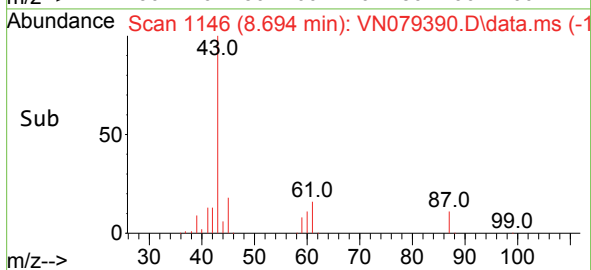
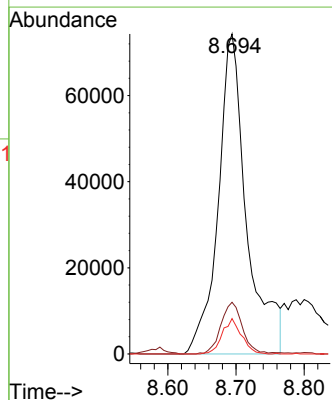
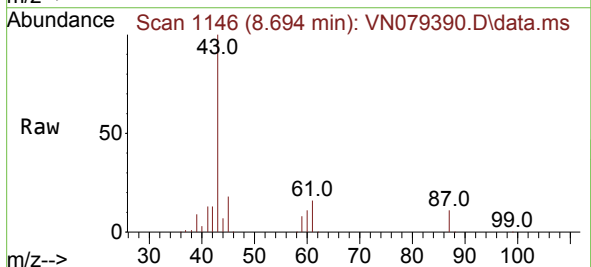
Tgt Ion: 43 Resp: 215961

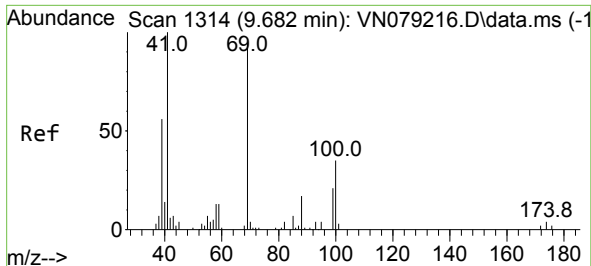
Ion Ratio Lower Upper

43 100

61 12.5 24.7 37.1#

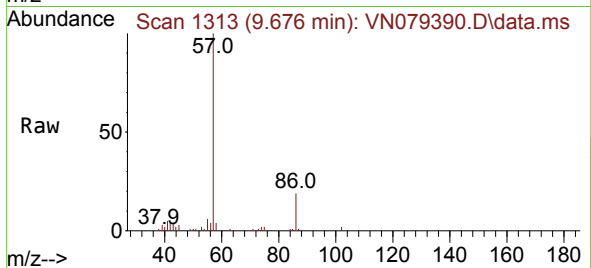
87 7.5 14.6 21.8#



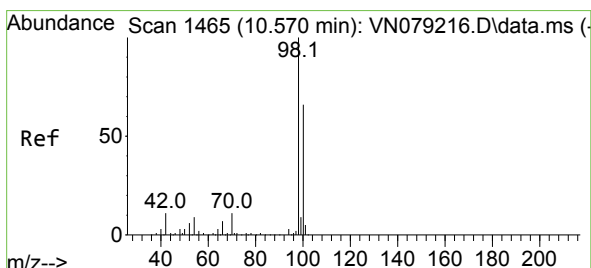
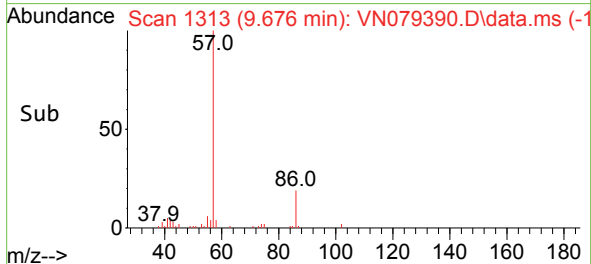
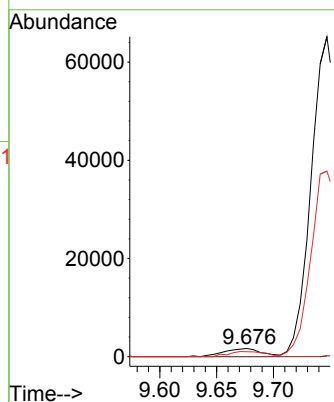


#48
Methyl methacrylate
Concen: 1.883 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Instrument :
MSVOA_N
ClientSampleId :

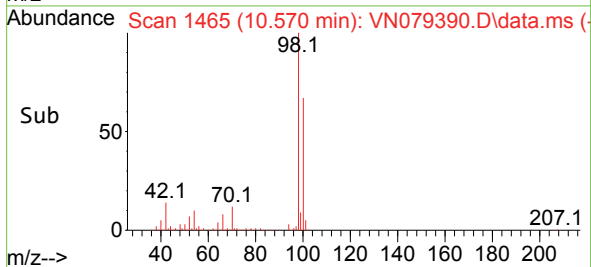
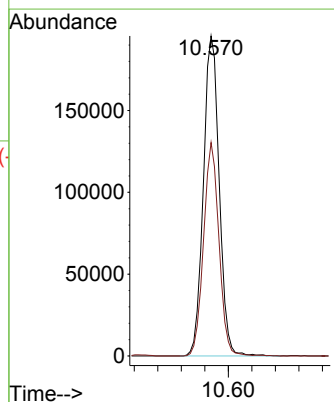
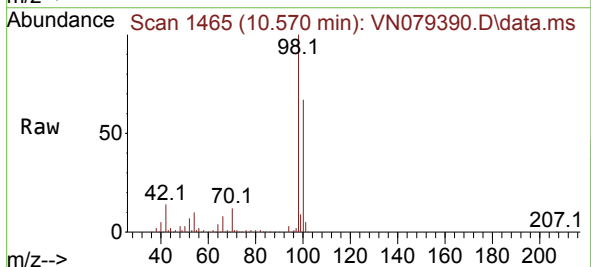


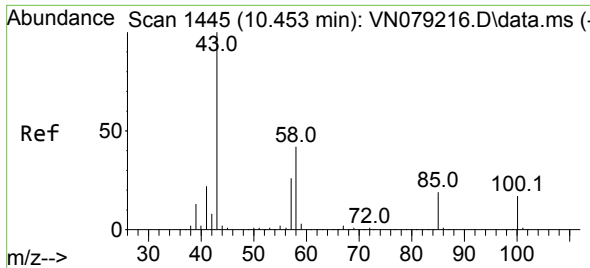
Tgt Ion: 41 Resp: 3909
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 61.0 54.6 81.8



#50
Toluene-d8
Concen: 53.732 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Tgt Ion: 98 Resp: 364533
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

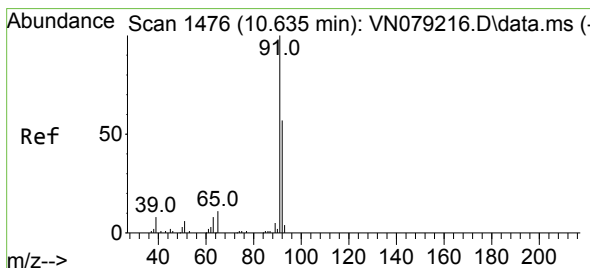
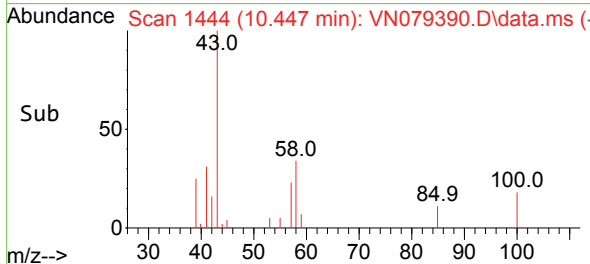
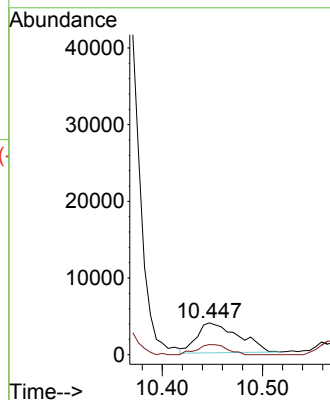
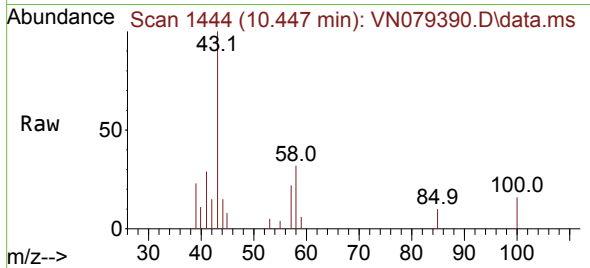




#51
4-Methyl-2-Pentanone
Concen: 4.195 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

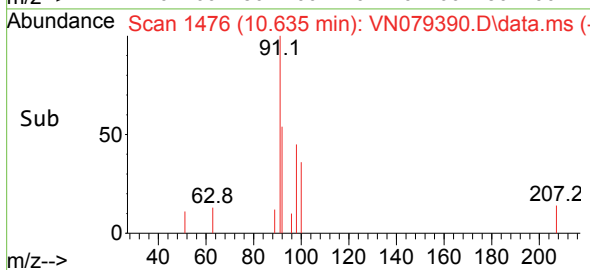
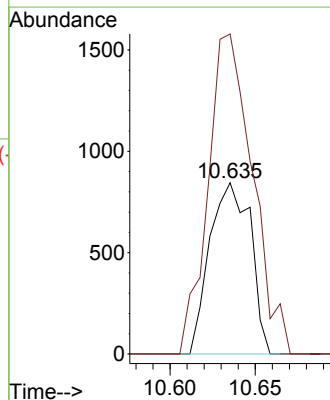
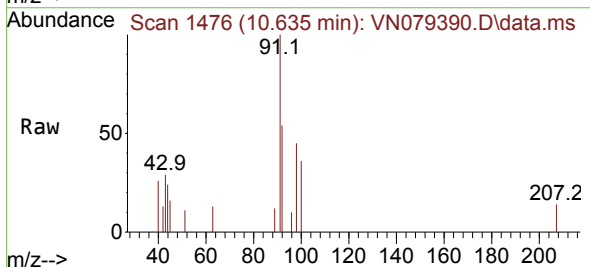
Instrument :
MSVOA_N
ClientSampleId :

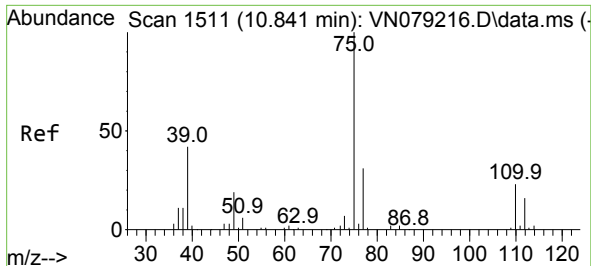
Tgt Ion: 43 Resp: 11286
Ion Ratio Lower Upper
43 100
58 24.5 36.6 54.8#



#52
Toluene
Concen: 0.263 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Tgt Ion: 92 Resp: 1409
Ion Ratio Lower Upper
92 100
91 203.5 137.4 206.0

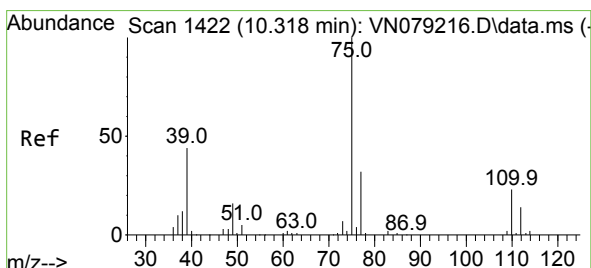
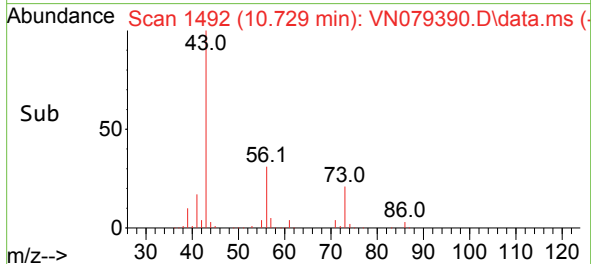
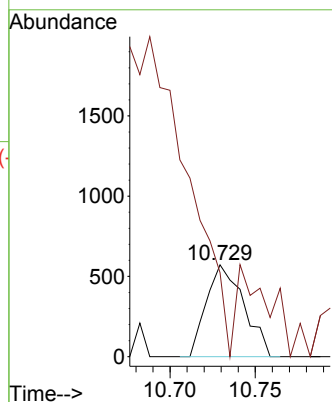
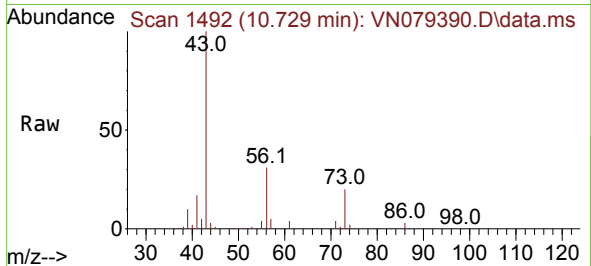




#53
 t-1,3-Dichloropropene
 Concen: 0.275 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN079390.D
 Acq: 30 Sep 2023 16:34

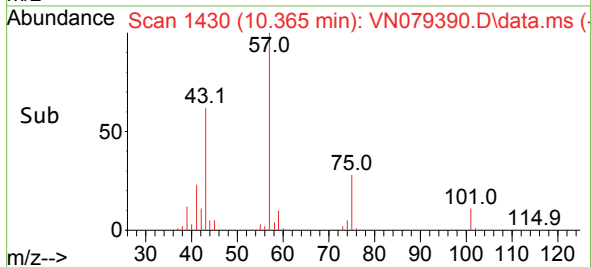
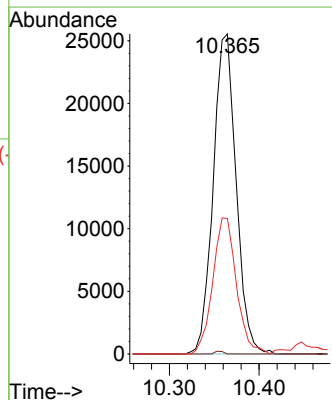
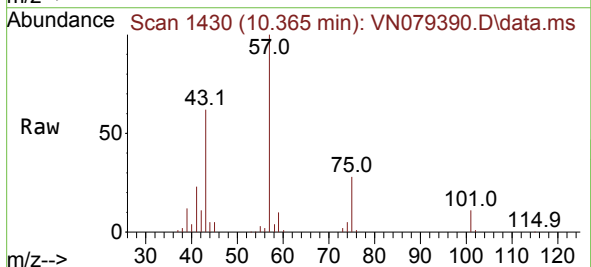
Instrument :
 MSVOA_N
 ClientSampleId :

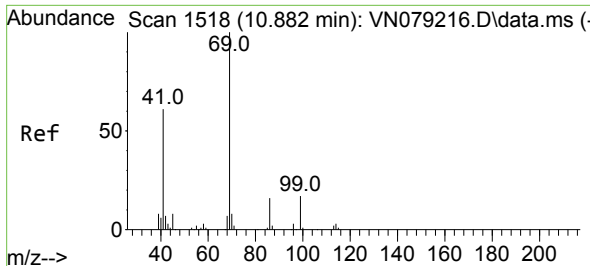
Tgt Ion: 75 Resp: 873
 Ion Ratio Lower Upper
 75 100
 77 16.8 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.331 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079390.D
 Acq: 30 Sep 2023 16:34

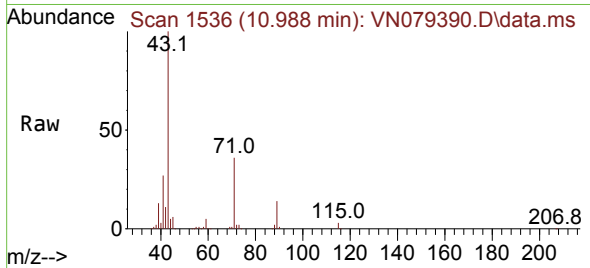
Tgt Ion: 75 Resp: 45229
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 42.3 31.6 47.4



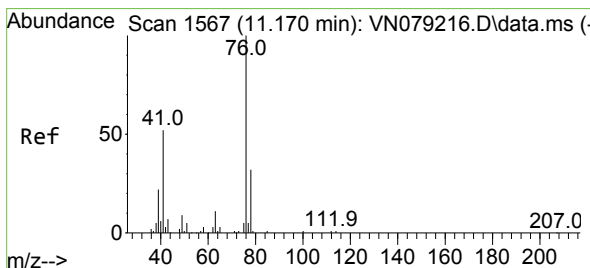
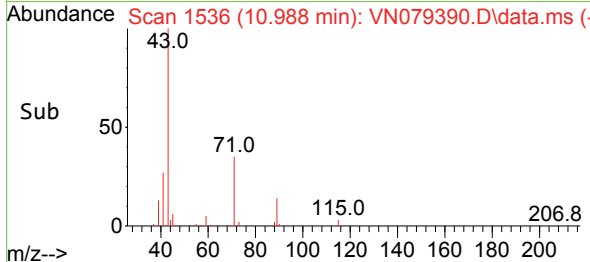
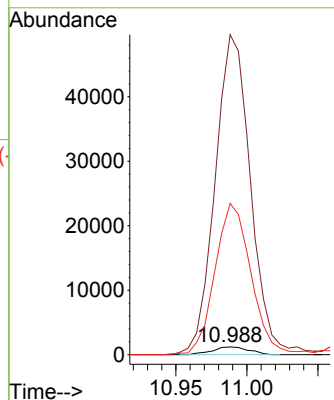


#56
Ethyl methacrylate
Concen: 0.722 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Instrument :
MSVOA_N
ClientSampleId :

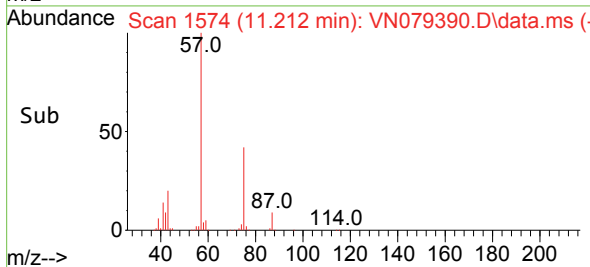
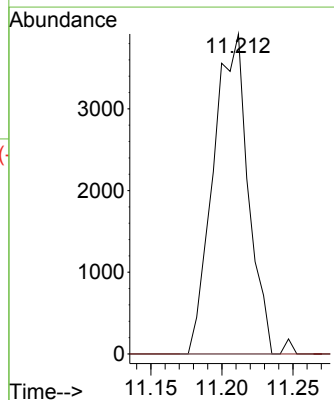
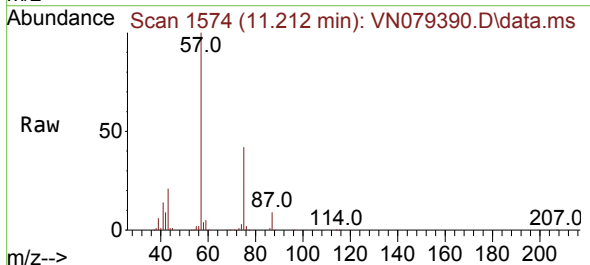


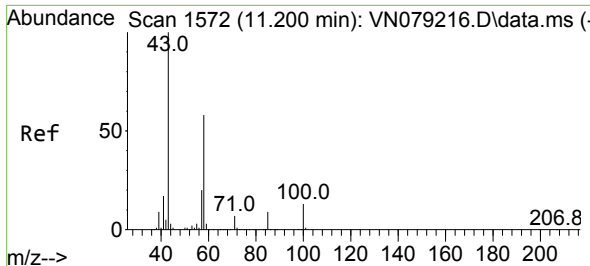
Tgt Ion: 69 Resp: 2144
Ion Ratio Lower Upper
69 100
41 4033.8 39.6 59.4#
39 1936.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.840 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Tgt Ion: 76 Resp: 6686
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

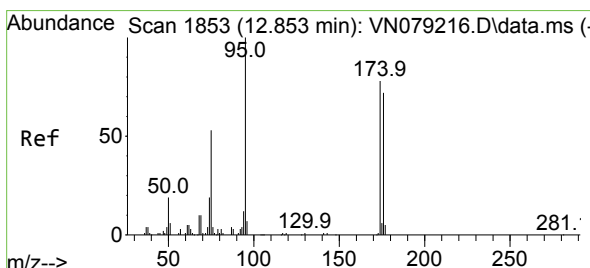
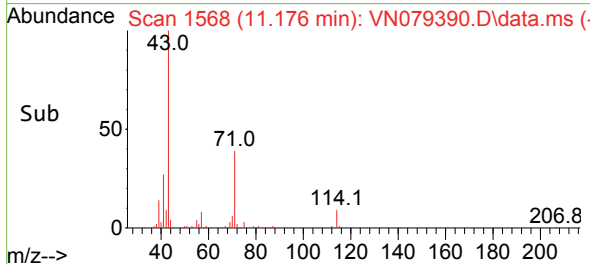
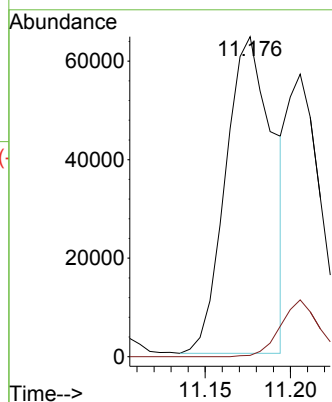
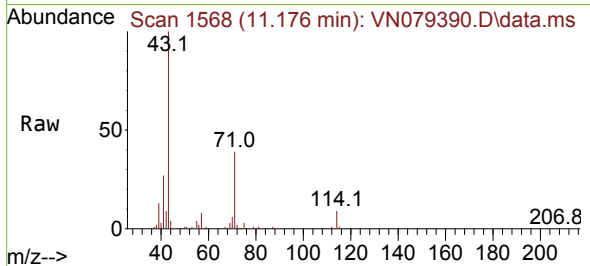




#59
2-Hexanone
Concen: 63.990 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

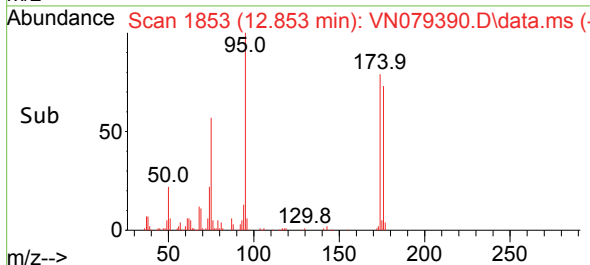
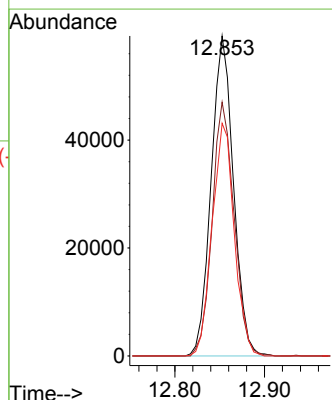
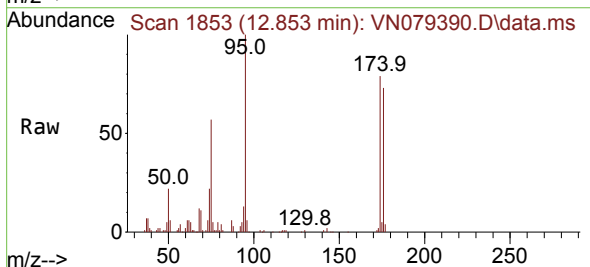
Instrument :
MSVOA_N
ClientSampleId :

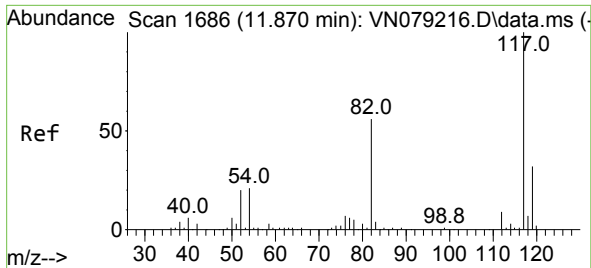
Tgt Ion: 43 Resp: 124700
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.212 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

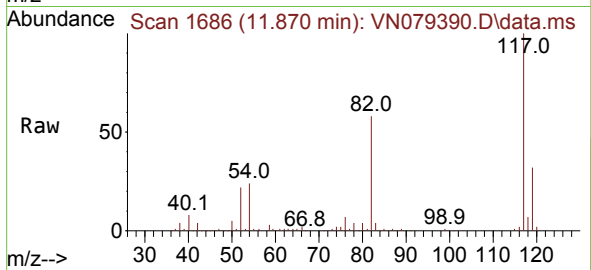
Tgt Ion: 95 Resp: 102169
Ion Ratio Lower Upper
95 100
174 78.1 0.0 143.8
176 72.4 0.0 135.8



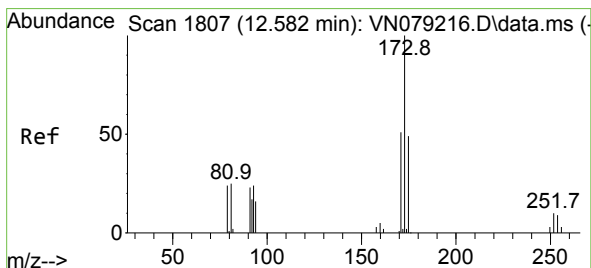
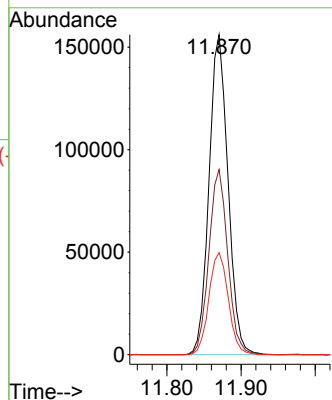
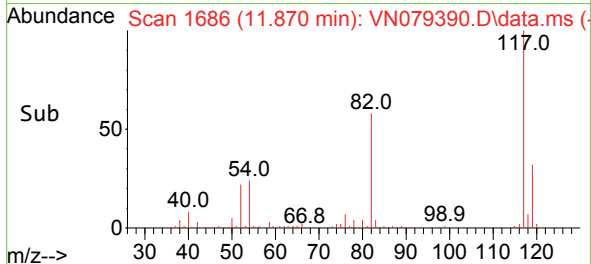


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

Instrument :
MSVOA_N
ClientSampleId :

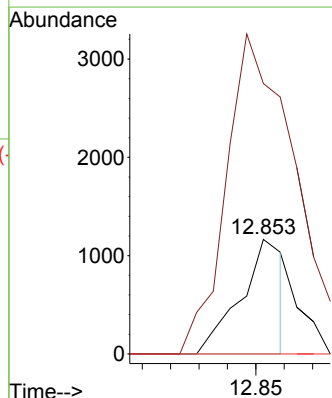
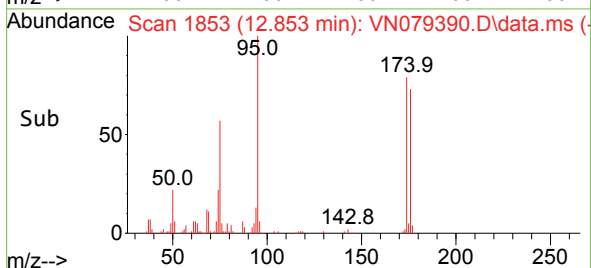
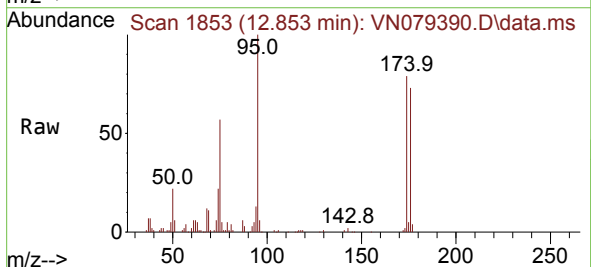


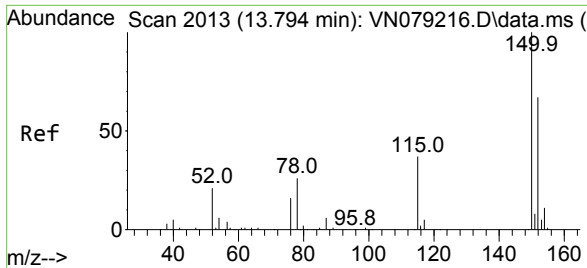
Tgt Ion:117 Resp: 277445
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.708 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

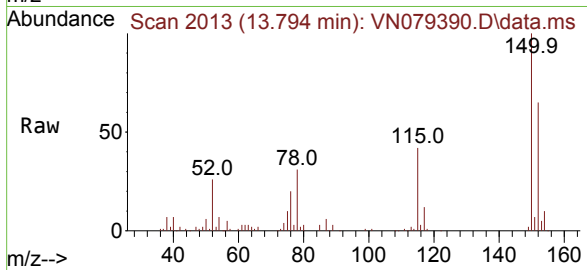
Tgt Ion:173 Resp: 1232
Ion Ratio Lower Upper
173 100
175 338.6 24.3 73.0#
254 0.0 0.0 0.0



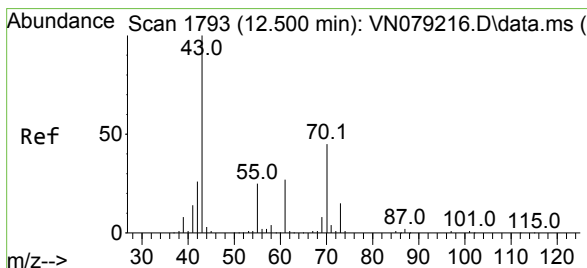
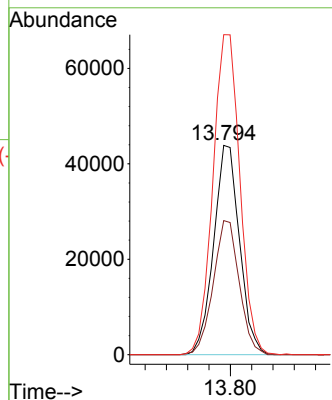
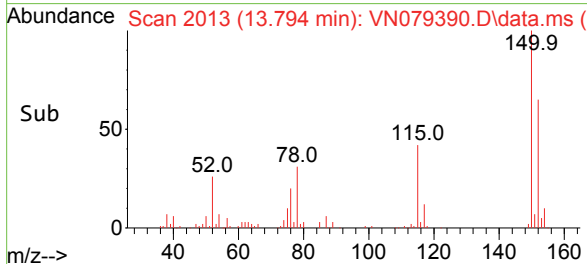


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34

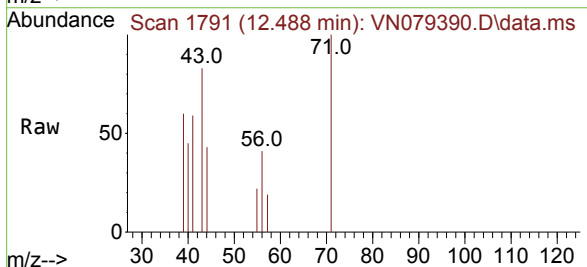
Instrument :
MSVOA_N
ClientSampleId :



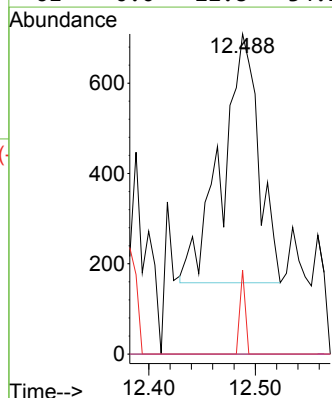
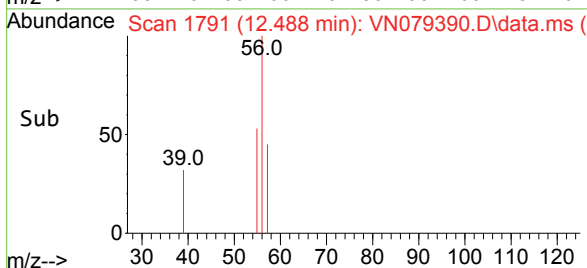
Tgt Ion:152 Resp: 73726
Ion Ratio Lower Upper
152 100
115 64.4 32.3 96.8
150 159.8 0.0 355.8

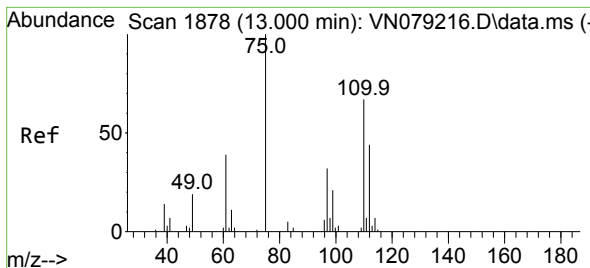


#74
N-ethyl acetate
Concen: 0.517 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.012 min
Lab File: VN079390.D
Acq: 30 Sep 2023 16:34



Tgt Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 5.0 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 28.816 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

Instrument :

MSVOA_N

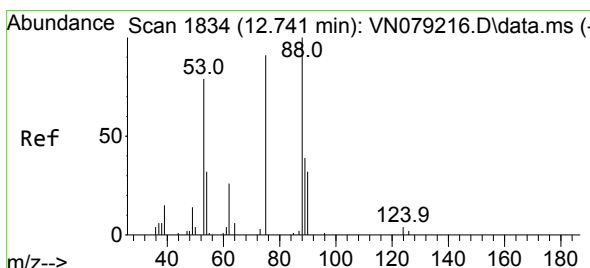
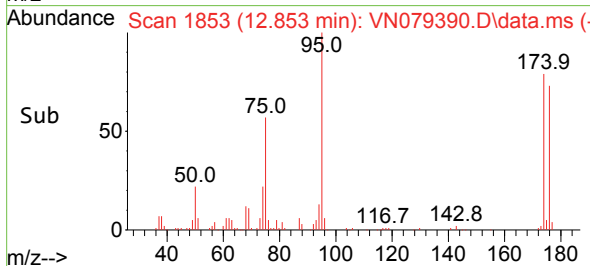
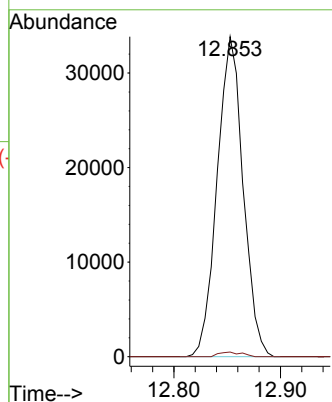
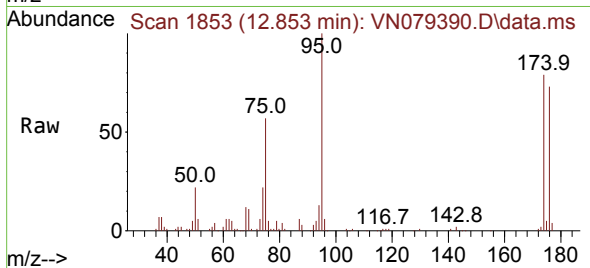
ClientSampleId :

Tgt Ion: 75 Resp: 57258

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.222 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079390.D

Acq: 30 Sep 2023 16:34

Tgt Ion: 75 Resp: 57258

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

