

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079923.D
 Acq On : 06 Nov 2023 15:21
 Operator : JC\MD
 Sample : PB156885ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:48:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

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

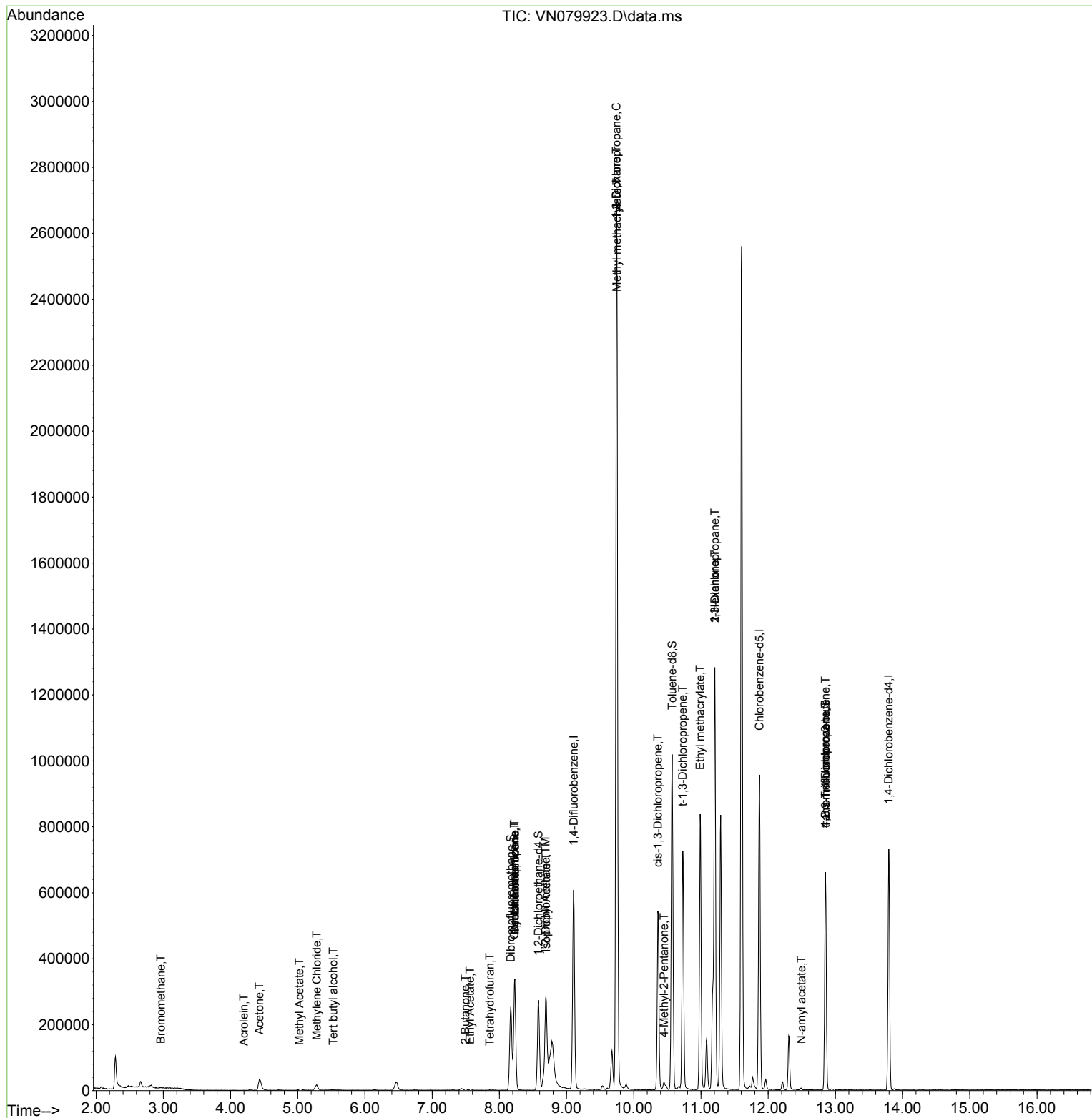
Internal Standards						
1) Pentafluorobenzene	8.229	168	229907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	501566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	534508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	188456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	220562	62.969	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.940%#			
35) Dibromofluoromethane	8.171	113	181180	51.038	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	10.570	98	681302	52.134	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.853	95	222372	51.307	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.620%			
Target Compounds					Qvalue	
3) Chloromethane	2.353	50	1293	Below Cal		90
5) Bromomethane	2.965	94	508	0.231 ug/l #		4
11) Tert butyl alcohol	5.530	59	1301	2.910 ug/l #		72
13) Acrolein	4.200	56	75	2.756 ug/l		85
16) Acetone	4.430	43	65470	53.212 ug/l		90
18) Methyl Acetate	5.024	43	4151	0.705 ug/l #		86
20) Methylene Chloride	5.283	84	12207	3.932 ug/l		93
25) 2-Butanone	7.494	43	6924	3.843 ug/l #		73
29) Tetrahydrofuran	7.859	42	842	0.718 ug/l #		35
31) Cyclohexane	8.229	56	6440	1.391 ug/l #		31
36) 1,1-Dichloropropene	8.229	75	21274	4.197 ug/l #		46
37) Ethyl Acetate	7.565	43	5254	1.130 ug/l #		73
38) Carbon Tetrachloride	8.224	117	25449	4.982 ug/l #		16
42) 1,2-Dichloroethane	8.688	62	1988	0.375 ug/l #		73
43) Isopropyl Acetate	8.694	43	350485	42.993 ug/l #		74
45) 1,2-Dichloropropane	9.741	63	3326	0.857 ug/l #		45
48) Methyl methacrylate	9.747	41	243788	68.274 ug/l #		29
49) 1,4-Dioxane	9.741	88	197	3.122 ug/l #		1
51) 4-Methyl-2-Pentanone	10.453	43	23865	5.200 ug/l #		65
53) t-1,3-Dichloropropene	10.729	75	2138	0.386 ug/l #		89
54) cis-1,3-Dichloropropene	10.359	75	91348	15.132 ug/l #		74
56) Ethyl methacrylate	10.988	69	4593	0.890 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	12460	1.953 ug/l #		42
59) 2-Hexanone	11.206	43	156440	44.557 ug/l #		48
74) N-amyl acetate	12.494	43	2650	0.424 ug/l #		36
76) 1,2,3-Trichloropropane	12.853	75	122223	27.625 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	122223	75.161 ug/l #		15

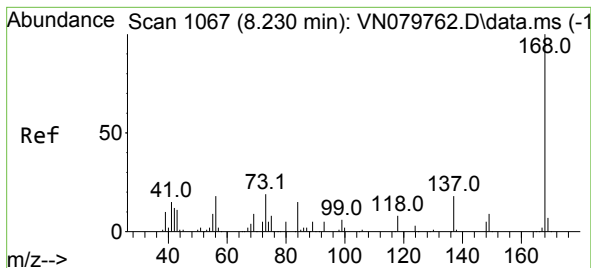
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
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Quant Title : SW846 8260
QLast Update : Thu Nov 02 05:49:08 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.229 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079923.D

Acq: 06 Nov 2023 15:21

Instrument :

MSVOA_N

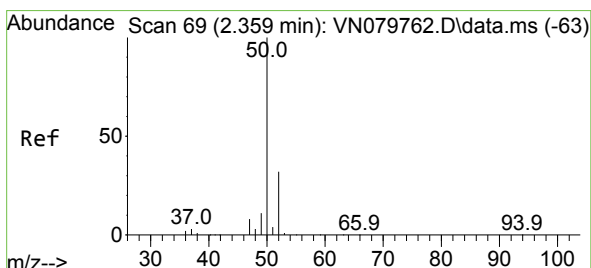
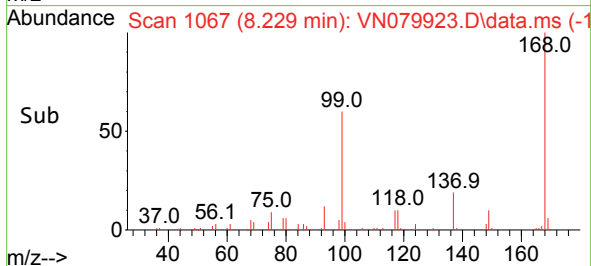
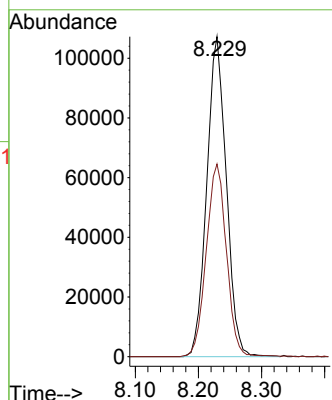
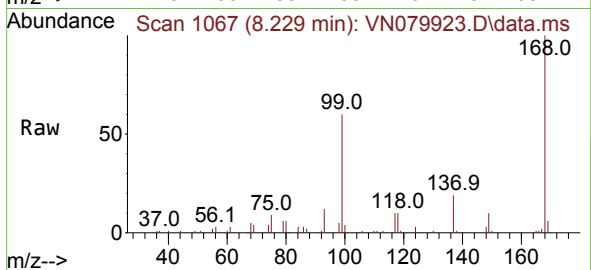
ClientSampleId :

Tgt Ion:168 Resp: 229907

Ion Ratio Lower Upper

168 100

99 60.2 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN079923.D

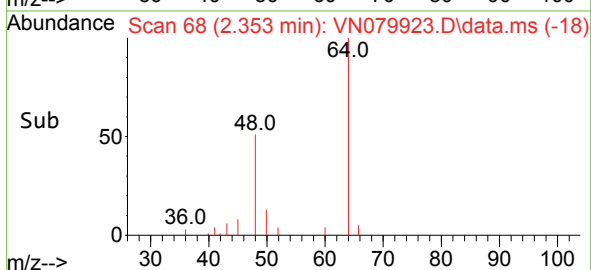
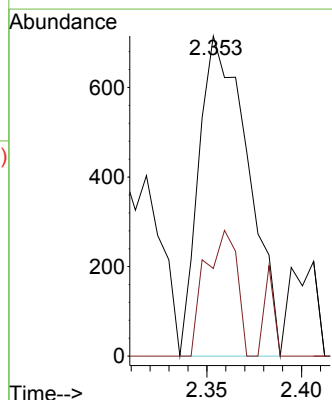
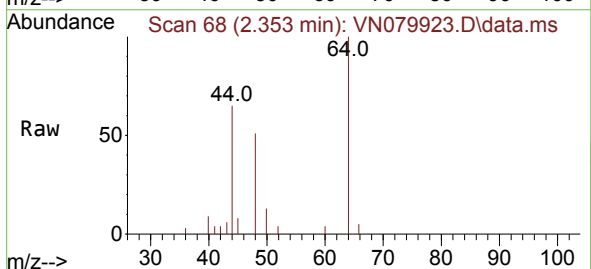
Acq: 06 Nov 2023 15:21

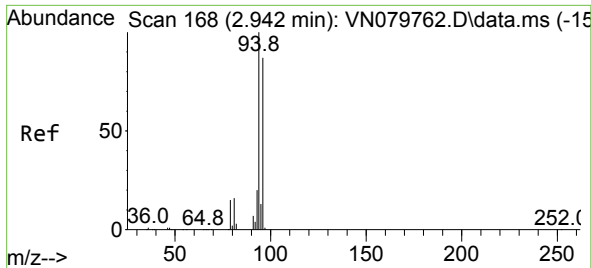
Tgt Ion: 50 Resp: 1293

Ion Ratio Lower Upper

50 100

52 27.4 26.5 39.7

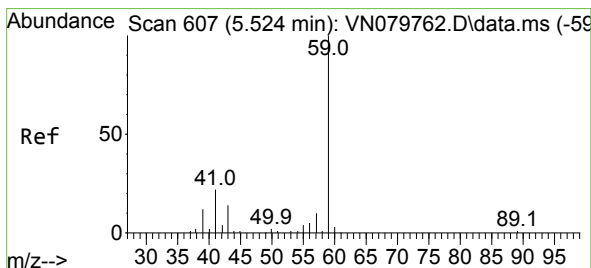
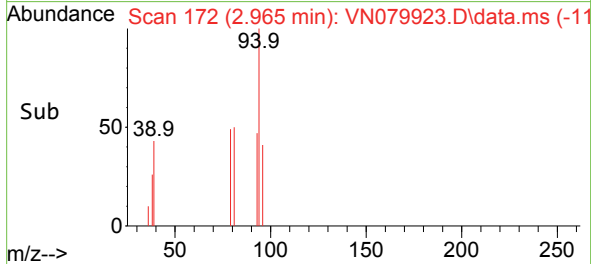
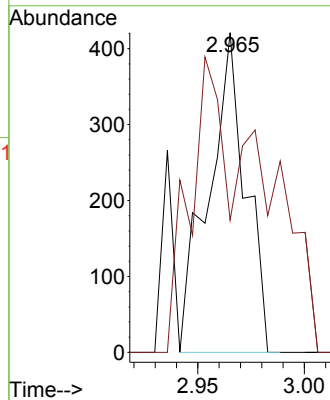
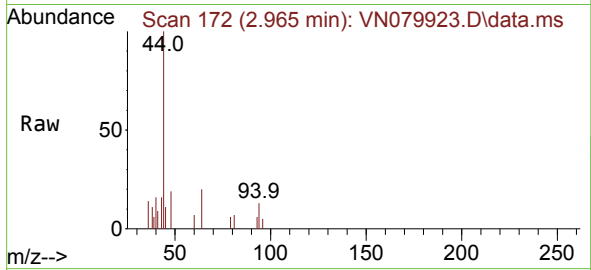




#5
Bromomethane
Concen: 0.231 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

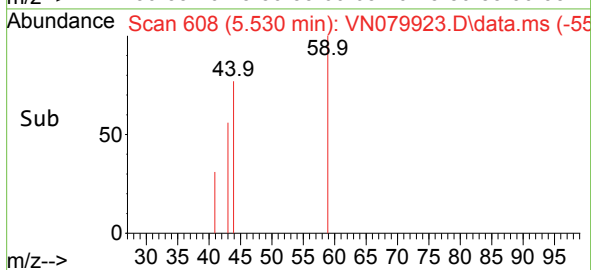
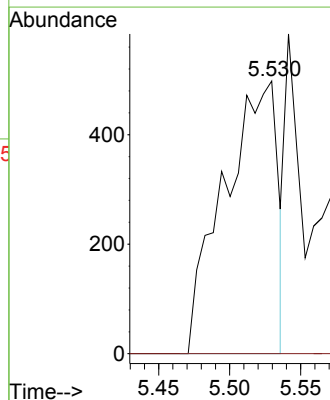
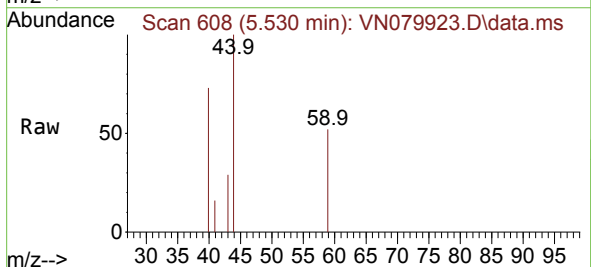
Instrument :
MSVOA_N
ClientSampleId :

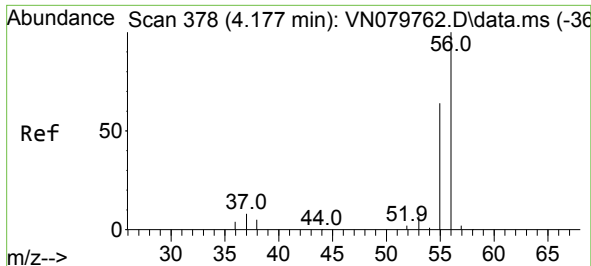
Tgt Ion: 94 Resp: 508
Ion Ratio Lower Upper
94 100
96 0.0 73.1 109.7#



#11
Tert butyl alcohol
Concen: 2.910 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

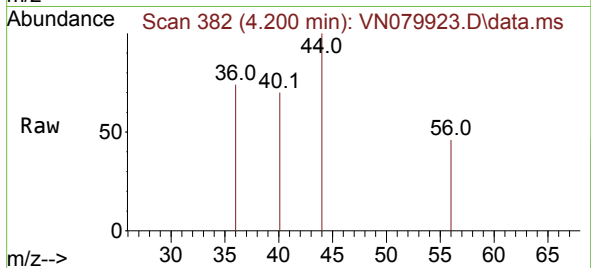
Tgt Ion: 59 Resp: 1301
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



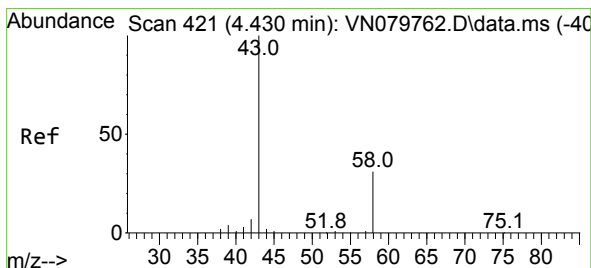
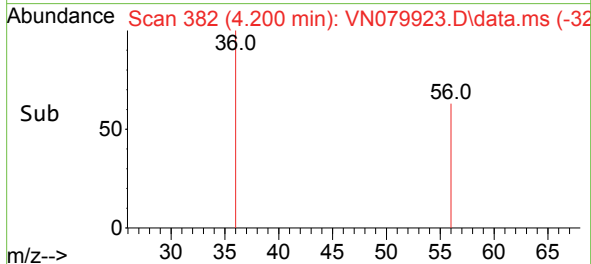
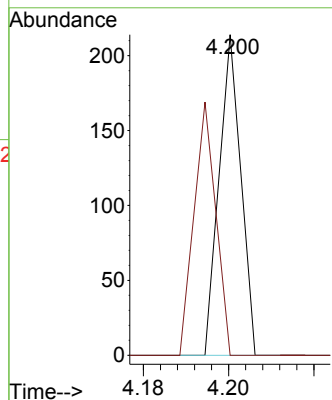


#13
Acrolein
Concen: 2.756 ug/l
RT: 4.200 min Scan# 382
Delta R.T. 0.017 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Instrument :
MSVOA_N
ClientSampleId :

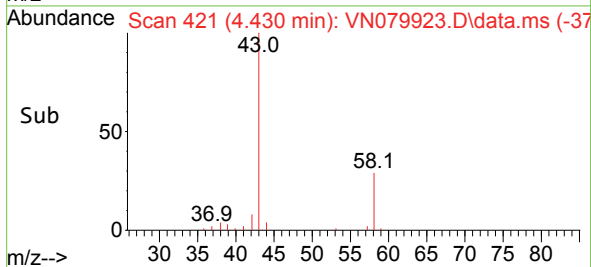
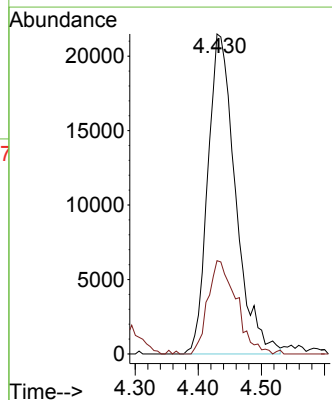
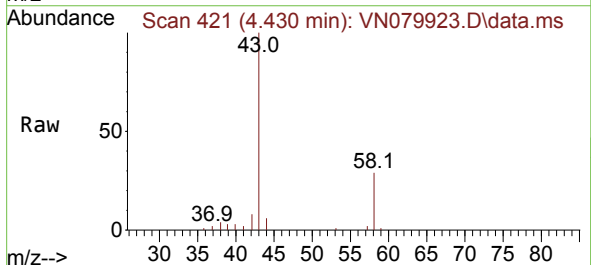


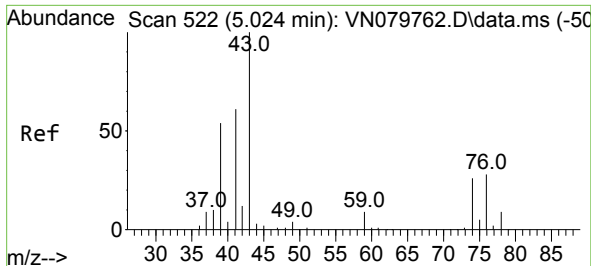
Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 80.0 54.5 81.7



#16
Acetone
Concen: 53.212 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Tgt Ion: 43 Resp: 65470
Ion Ratio Lower Upper
43 100
58 29.1 28.0 42.0

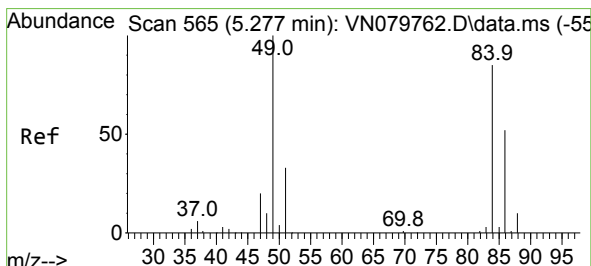
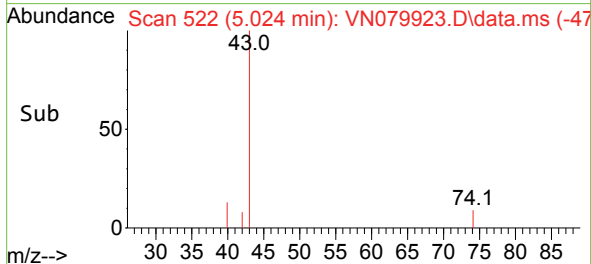
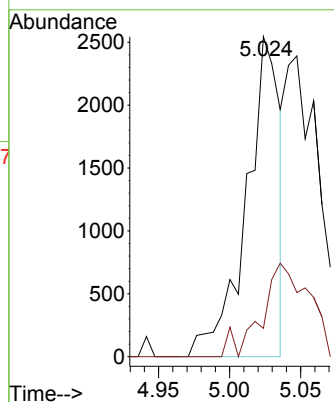
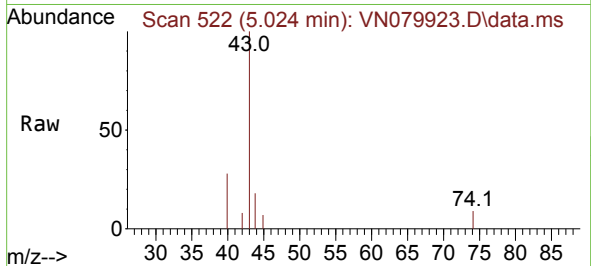




#18
Methyl Acetate
Concen: 0.705 ug/l
RT: 5.024 min Scan# 511
Delta R.T. 0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

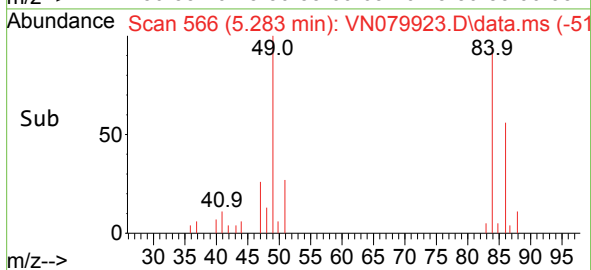
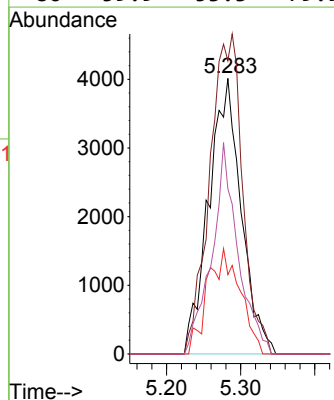
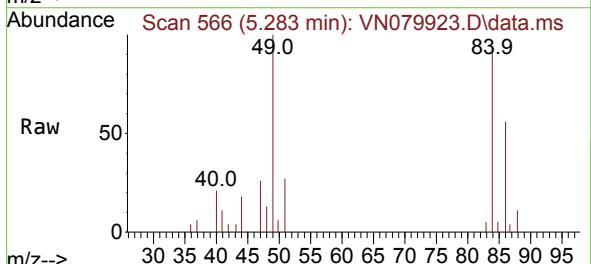
Instrument :
MSVOA_N
ClientSampleId :

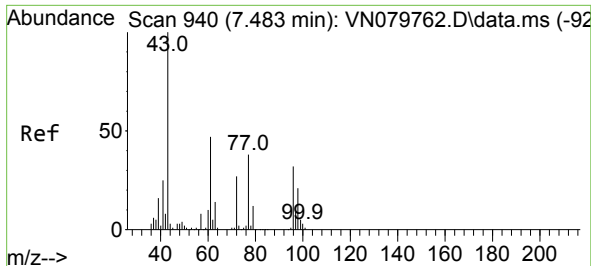
Tgt Ion: 43 Resp: 4151
Ion Ratio Lower Upper
43 100
74 40.9 26.2 39.4#



#20
Methylene Chloride
Concen: 3.932 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

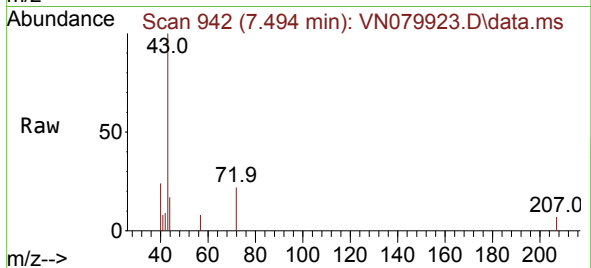
Tgt Ion: 84 Resp: 12207
Ion Ratio Lower Upper
84 100
49 106.4 79.7 119.5
51 28.8 25.2 37.8
86 59.9 53.3 79.9



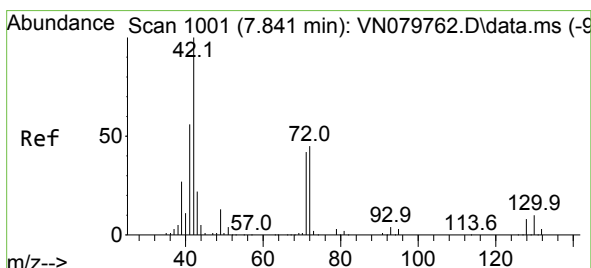
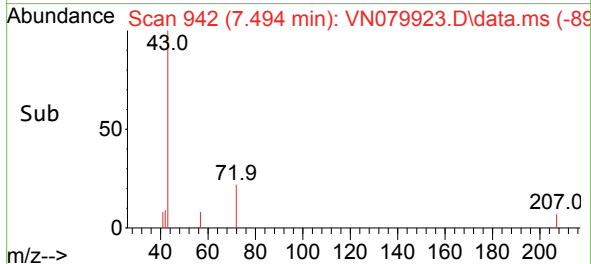
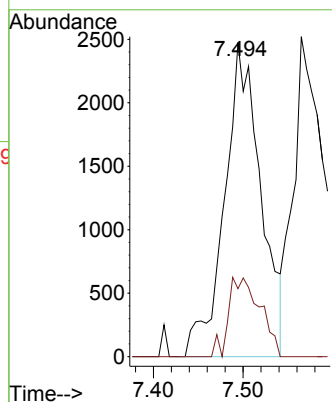


#25
2-Butanone
Concen: 3.843 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Instrument :
MSVOA_N
ClientSampleId :

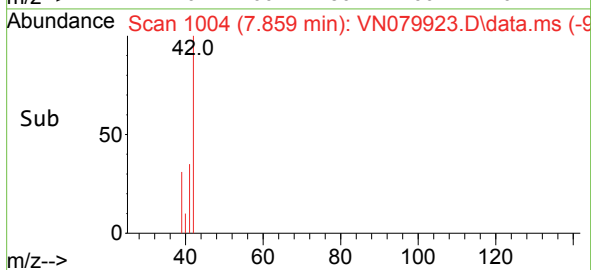
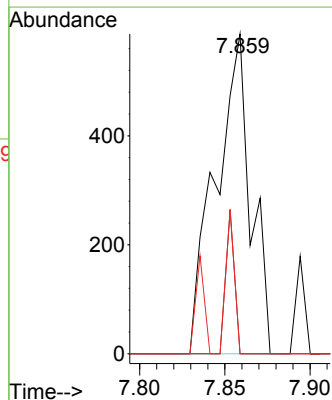
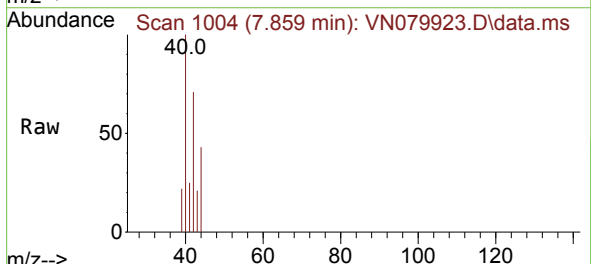


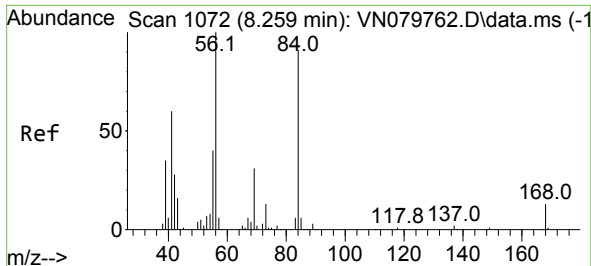
Tgt Ion: 43 Resp: 6924
Ion Ratio Lower Upper
43 100
72 21.6 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.718 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

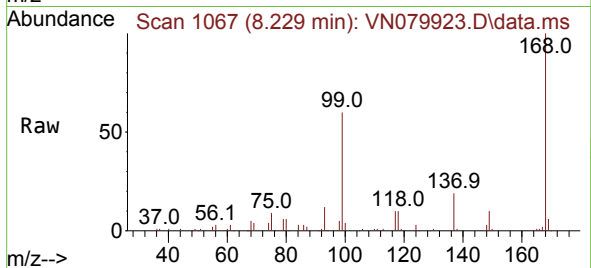
Tgt Ion: 42 Resp: 842
Ion Ratio Lower Upper
42 100
72 11.0 49.8 74.6#
71 11.2 47.4 71.2#



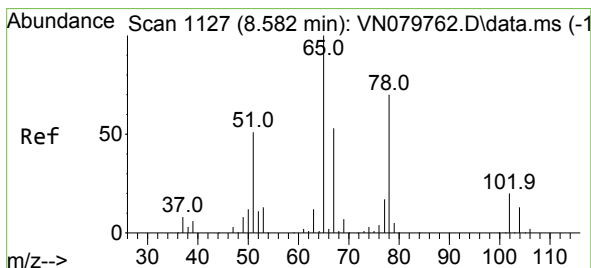
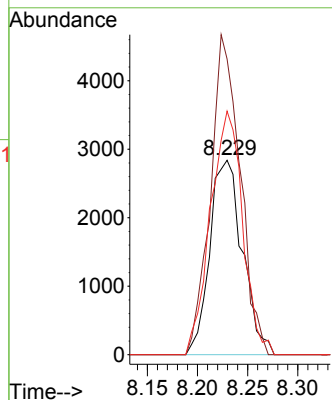
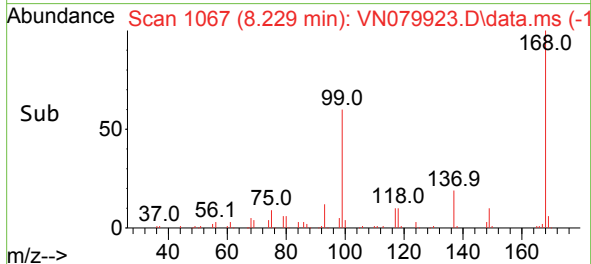


#31
Cyclohexane
Concen: 1.391 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

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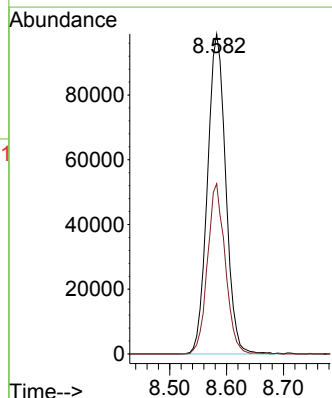
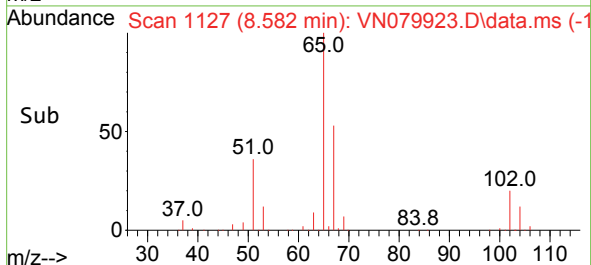
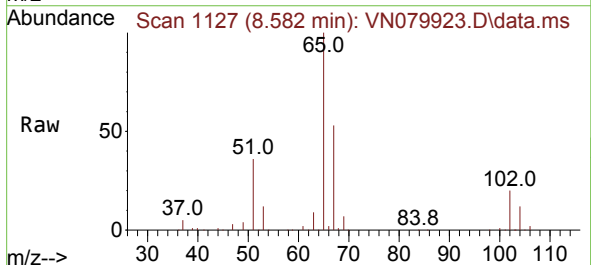


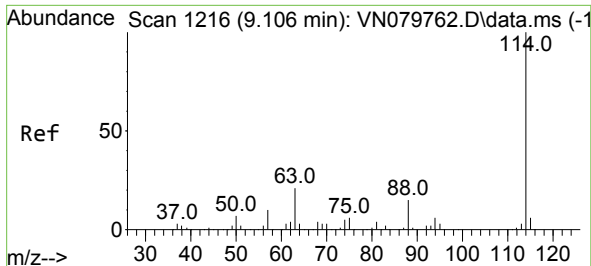
Tgt Ion: 56 Resp: 6440
Ion Ratio Lower Upper
56 100
69 152.0 26.8 40.2#
84 125.2 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 62.969 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Tgt Ion: 65 Resp: 220562
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6

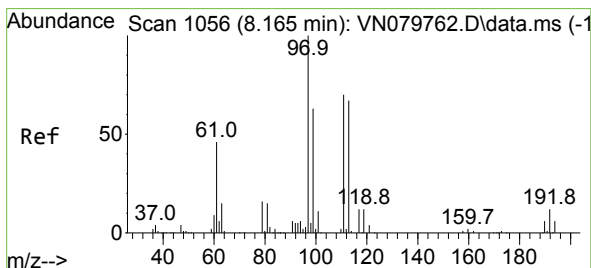
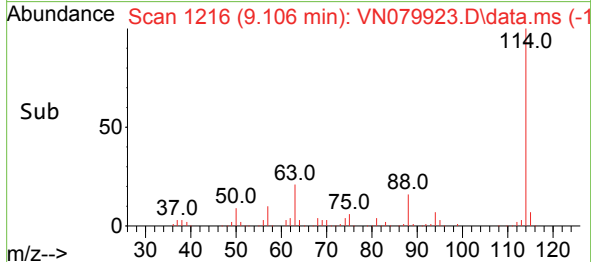
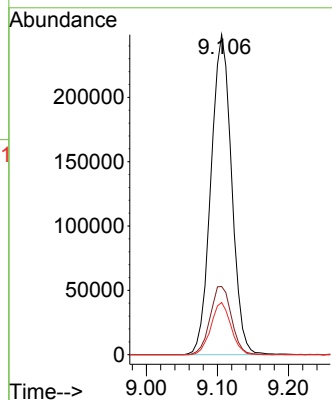
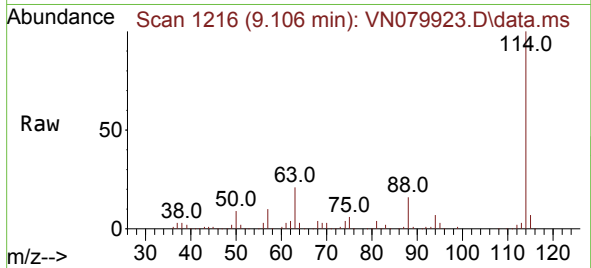




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

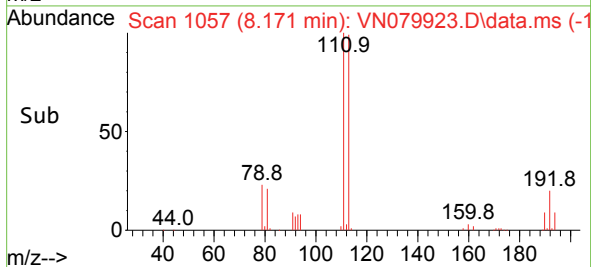
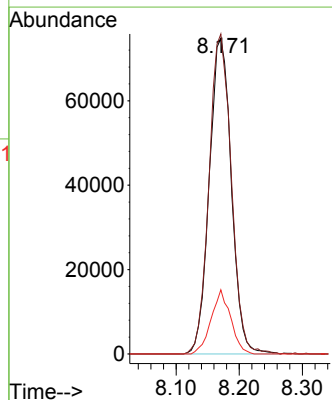
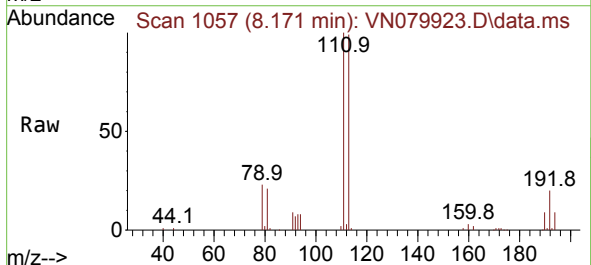
Instrument :
MSVOA_N
ClientSampleId :

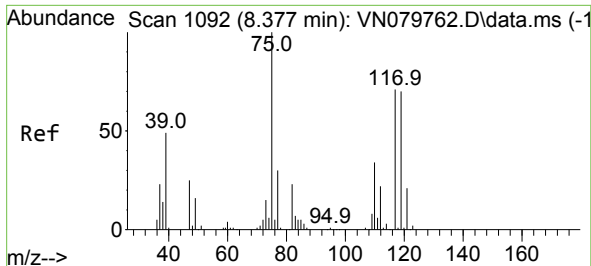
Tgt Ion:114 Resp: 501566
Ion Ratio Lower Upper
114 100
63 21.3 0.0 36.4
88 16.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.038 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Tgt Ion:113 Resp: 181180
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 18.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.197 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

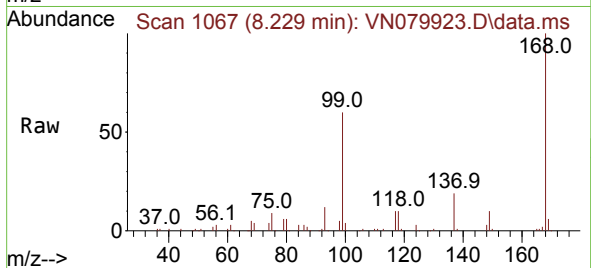
Lab File: VN079923.D

Acq: 06 Nov 2023 15:21

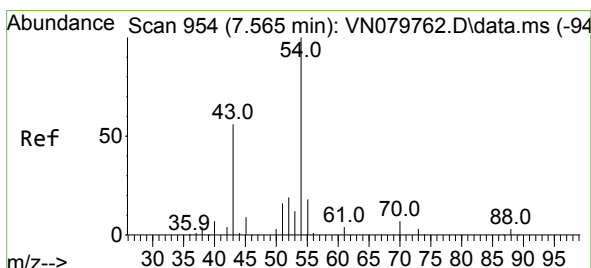
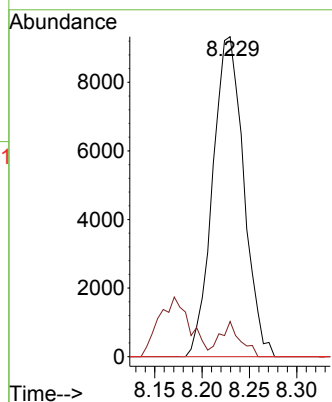
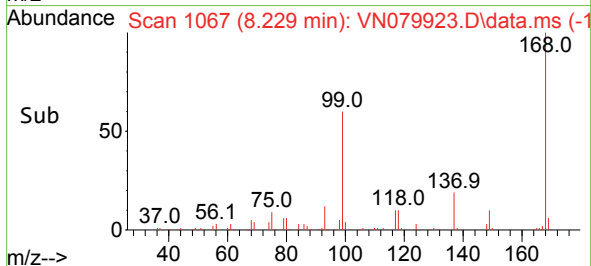
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 21274
Ion Ratio	Lower Upper
75	100
110	7.1 19.1 57.3#
77	0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.130 ug/l

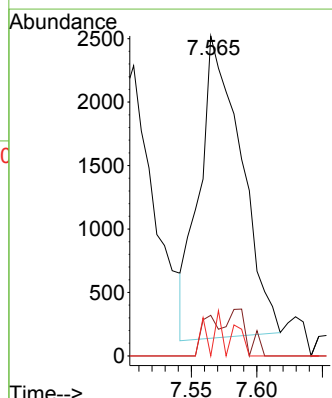
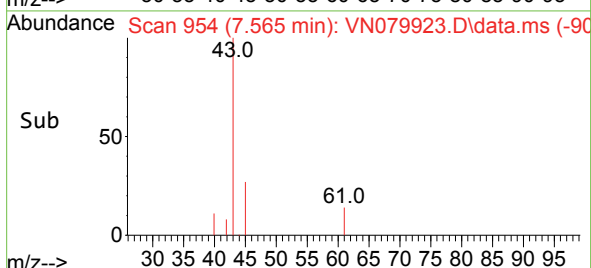
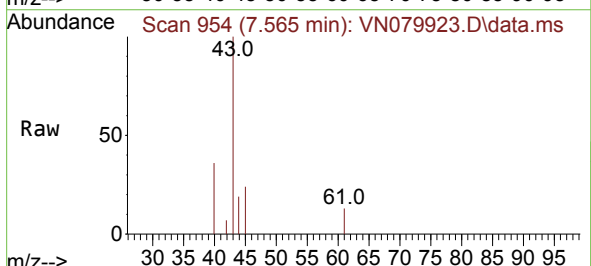
RT: 7.565 min Scan# 954

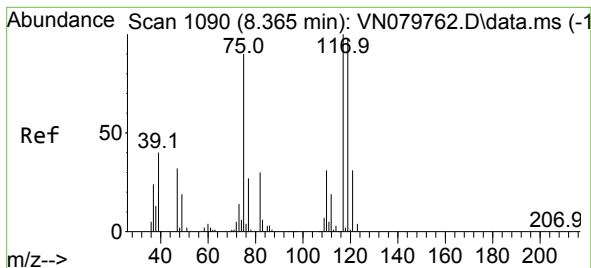
Delta R.T. 0.000 min

Lab File: VN079923.D

Acq: 06 Nov 2023 15:21

Tgt Ion: 43	Resp: 5254
Ion Ratio	Lower Upper
43	100
61	5.5 13.2 19.8#
70	2.4 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.982 ug/l

RT: 8.224 min Scan# 110

Delta R.T. -0.135 min

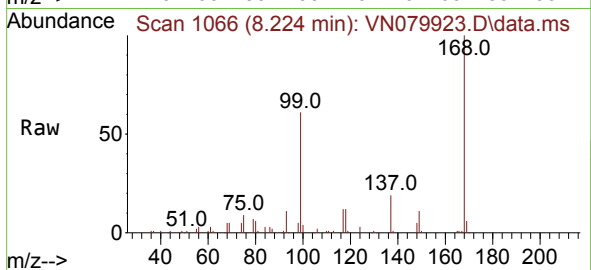
Lab File: VN079923.D

Acq: 06 Nov 2023 15:21

Instrument :

MSVOA_N

ClientSampleId :



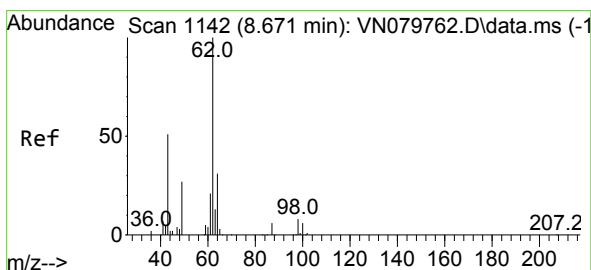
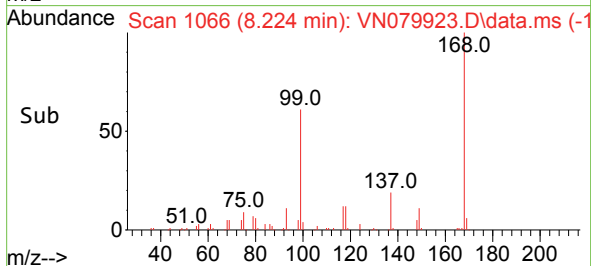
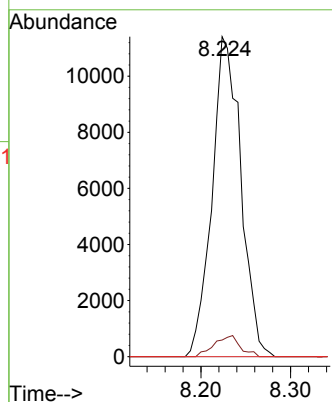
Tgt Ion:117 Resp: 25449

Ion Ratio Lower Upper

117 100

119 5.2 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.375 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.018 min

Lab File: VN079923.D

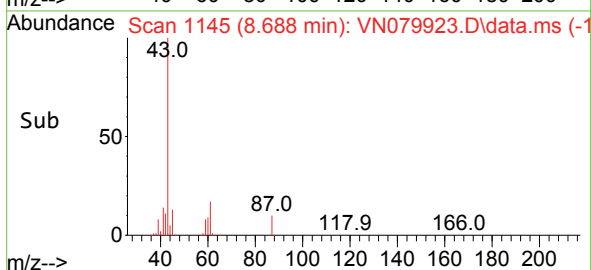
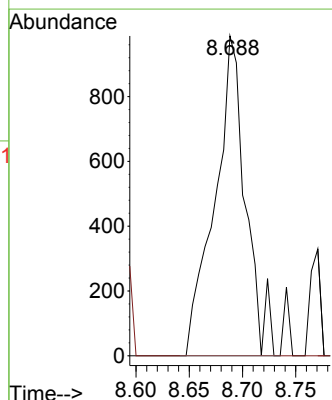
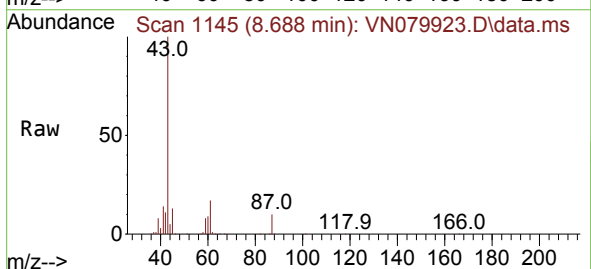
Acq: 06 Nov 2023 15:21

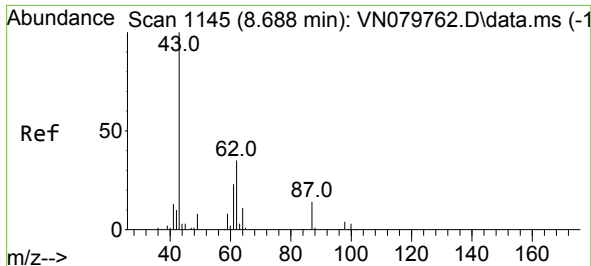
Tgt Ion: 62 Resp: 1988

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

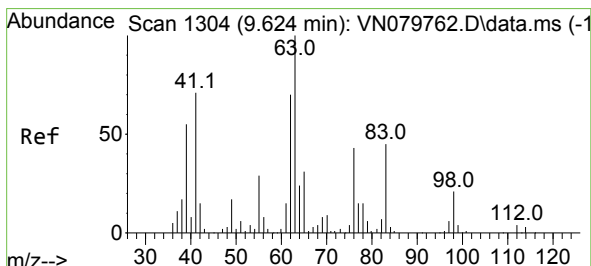
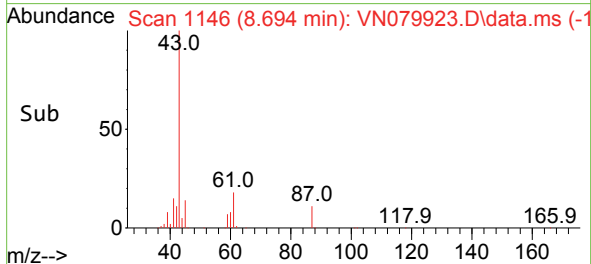
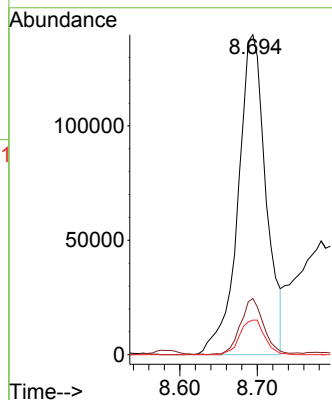
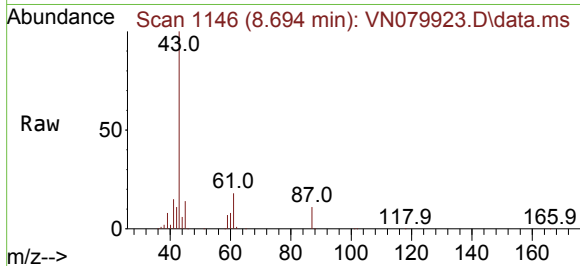




#43
Isopropyl Acetate
Concen: 42.993 ug/l
RT: 8.694 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

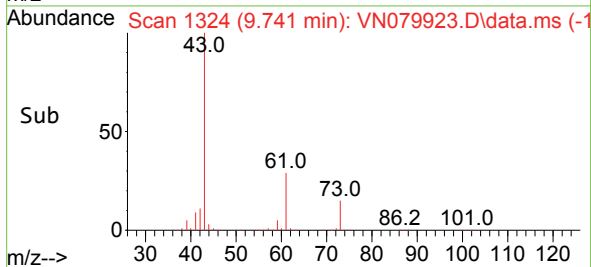
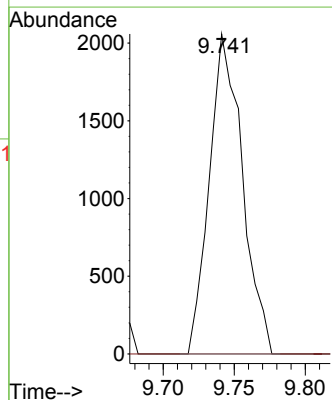
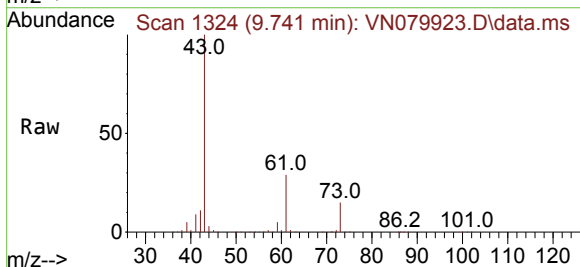
Instrument :
MSVOA_N
ClientSampleId :

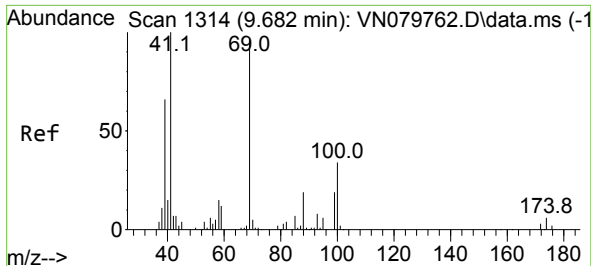
Tgt Ion: 43 Resp: 350485
Ion Ratio Lower Upper
43 100
61 14.7 24.7 37.1#
87 9.5 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.857 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Tgt Ion: 63 Resp: 3326
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#

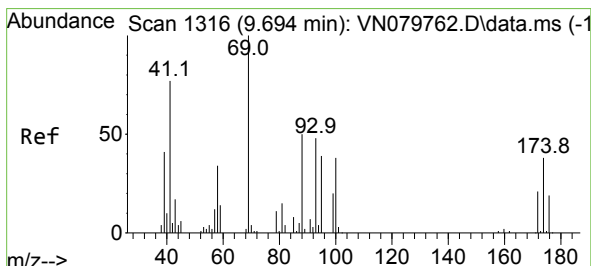
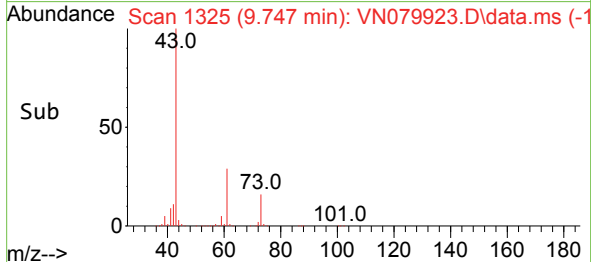
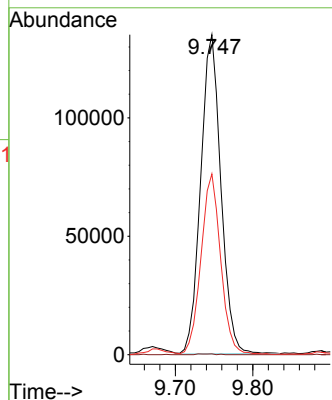
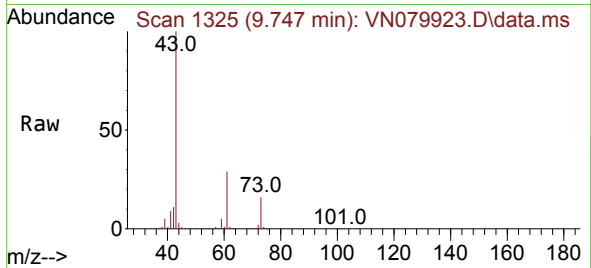




#48
Methyl methacrylate
Concen: 68.274 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

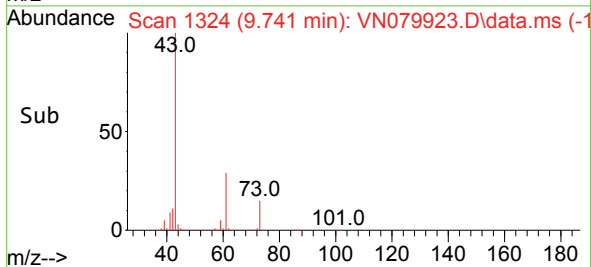
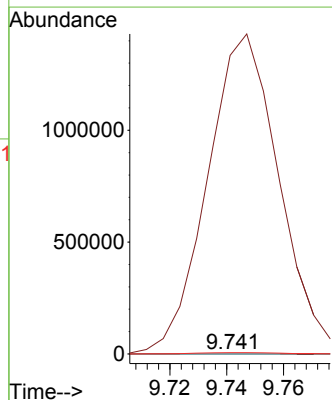
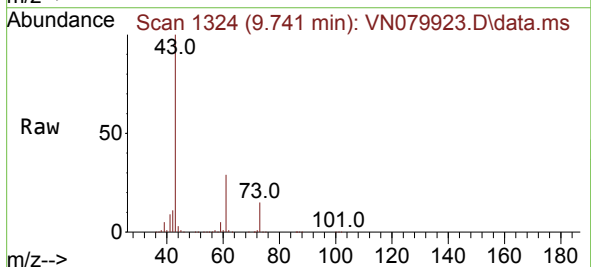
Instrument :
MSVOA_N
ClientSampleId :

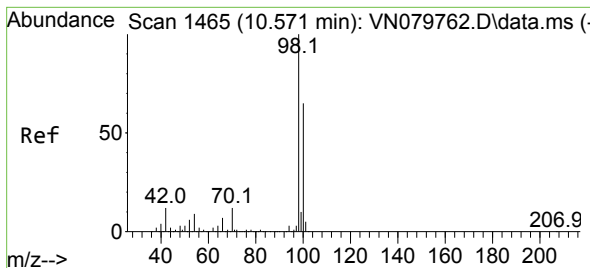
Tgt Ion: 41 Resp: 243788
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 55.4 54.6 81.8



#49
1,4-Dioxane
Concen: 3.122 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.047 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 1280510.2 17.0 25.6#
58 6404.6 47.0 70.4#

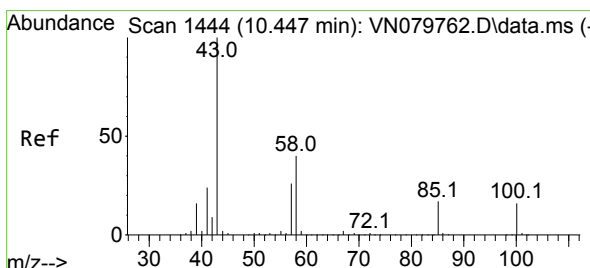
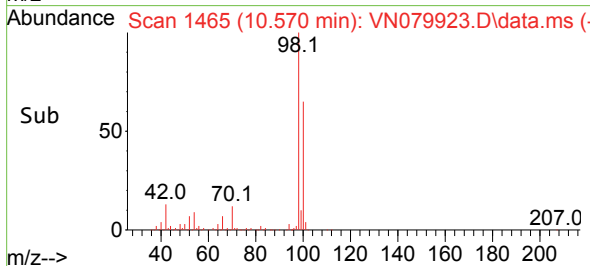
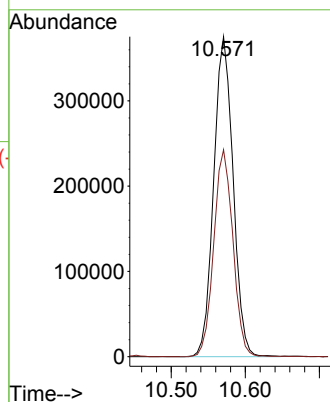
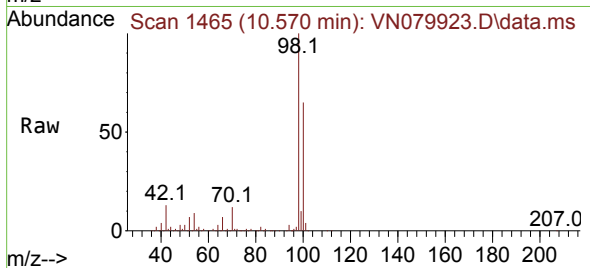




#50
Toluene-d8
Concen: 52.134 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

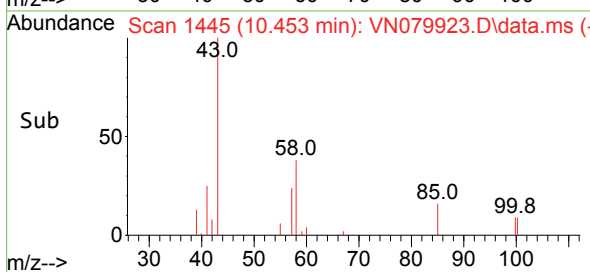
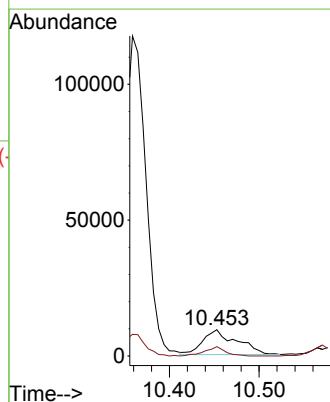
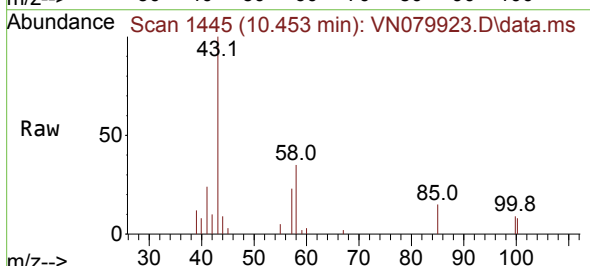
Instrument :
MSVOA_N
ClientSampleId :

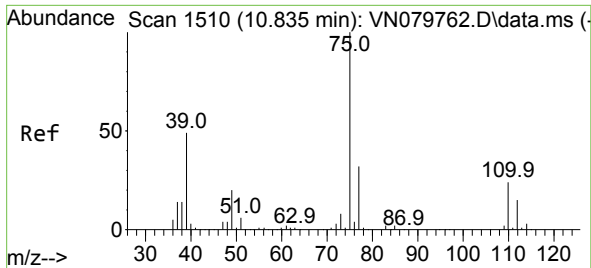
Tgt Ion: 98 Resp: 681302
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.200 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Tgt Ion: 43 Resp: 23865
Ion Ratio Lower Upper
43 100
58 22.7 36.6 54.8#

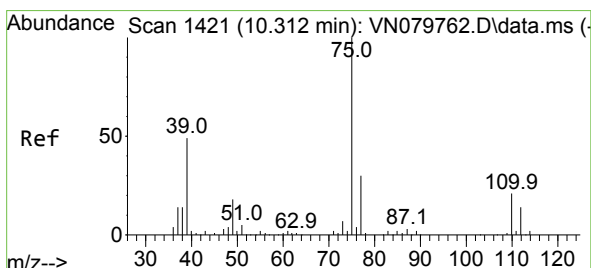
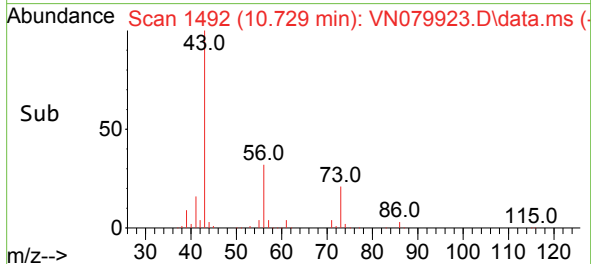
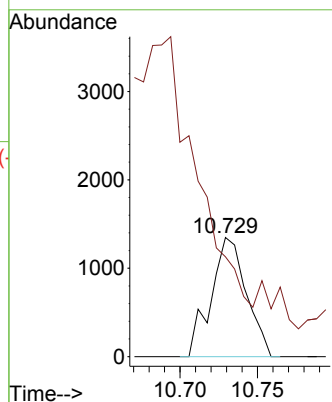
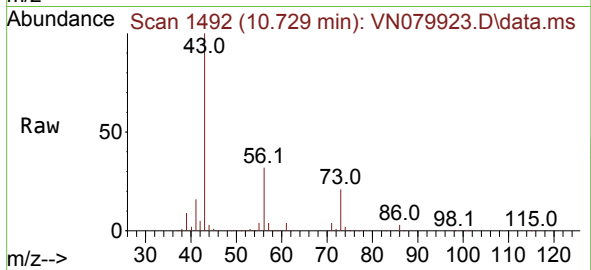




#53
 t-1,3-Dichloropropene
 Concen: 0.386 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN079923.D
 Acq: 06 Nov 2023 15:21

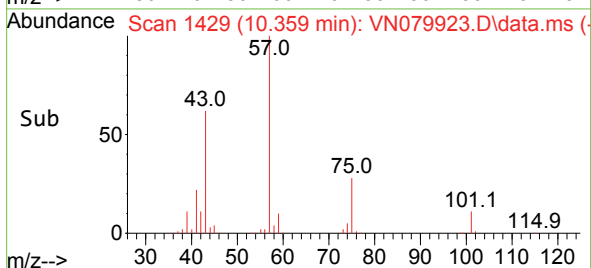
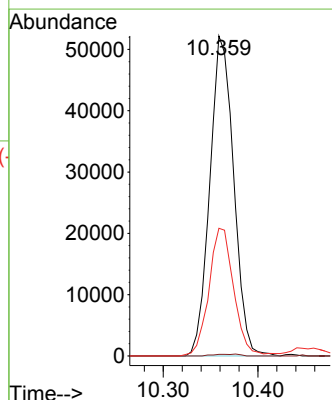
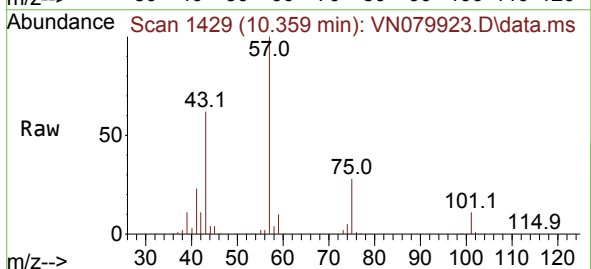
Instrument :
 MSVOA_N
 ClientSampleId :

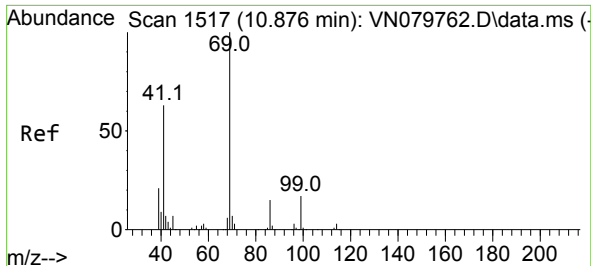
Tgt Ion: 75 Resp: 2138
 Ion Ratio Lower Upper
 75 100
 77 25.4 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 15.132 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079923.D
 Acq: 06 Nov 2023 15:21

Tgt Ion: 75 Resp: 91348
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 39.9 31.6 47.4

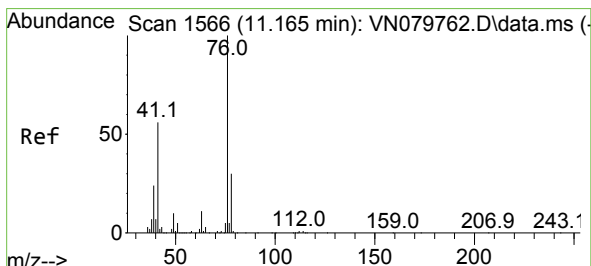
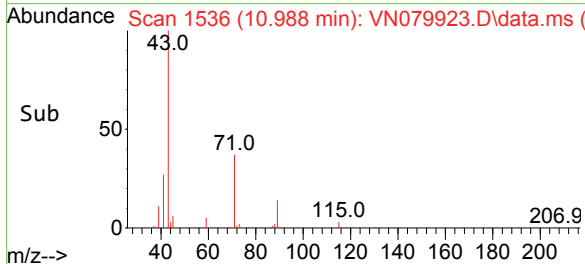
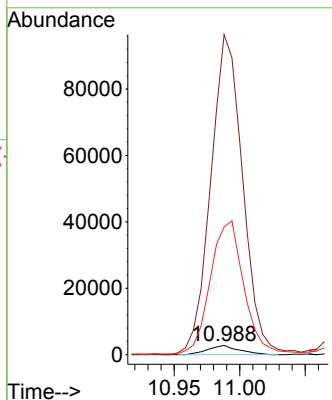
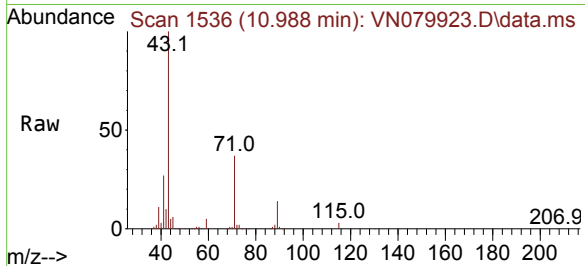




#56
Ethyl methacrylate
Concen: 0.890 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

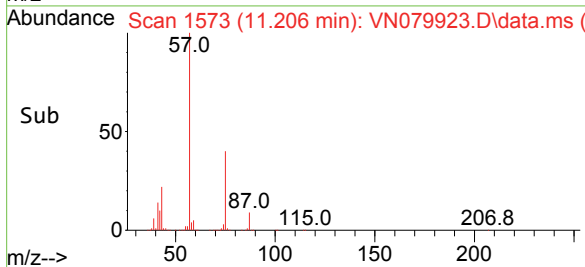
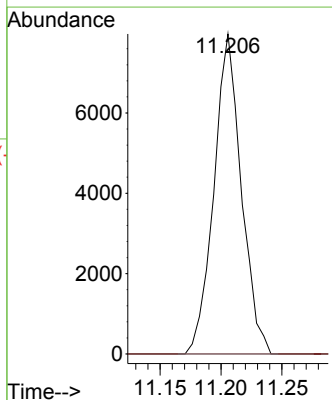
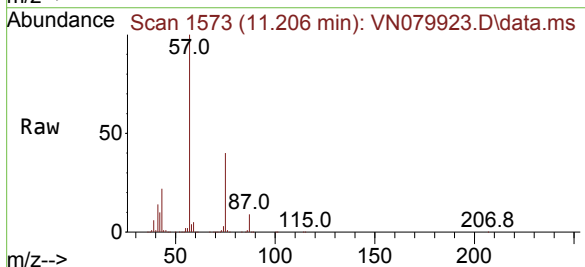
Instrument :
MSVOA_N
ClientSampleId :

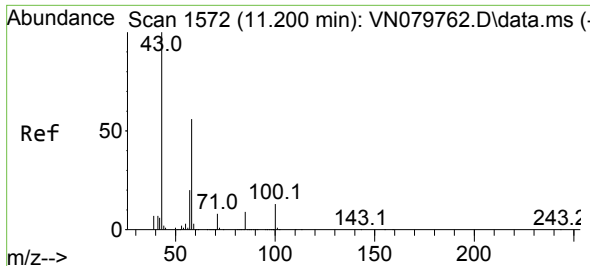
Tgt Ion: 69 Resp: 4593
Ion Ratio Lower Upper
69 100
41 3574.0 39.6 59.4#
39 1576.3 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.953 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

Tgt Ion: 76 Resp: 12460
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

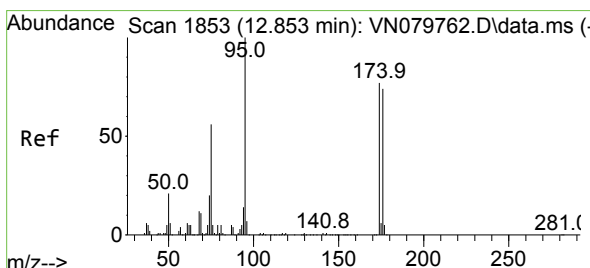
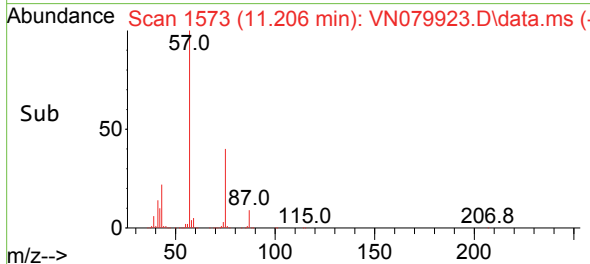
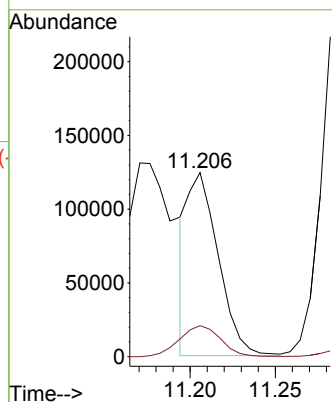
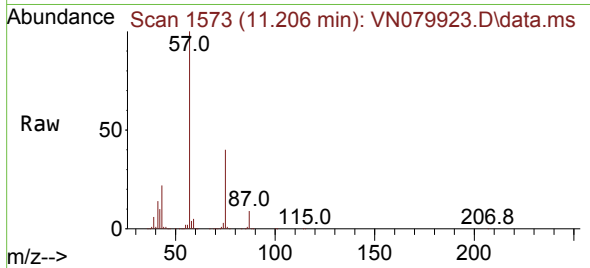




#59
2-Hexanone
Concen: 44.557 ug/l
RT: 11.206 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

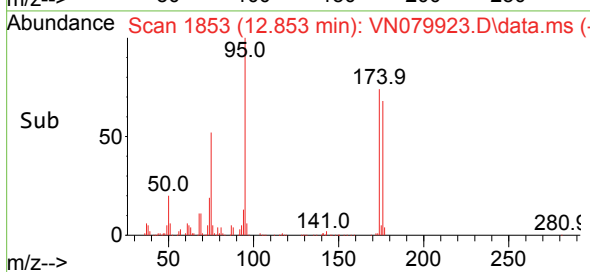
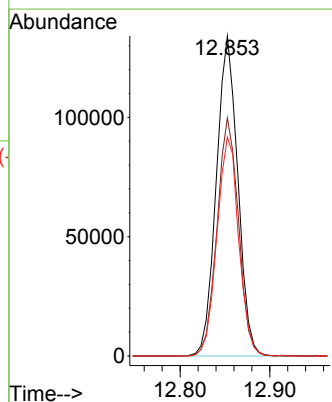
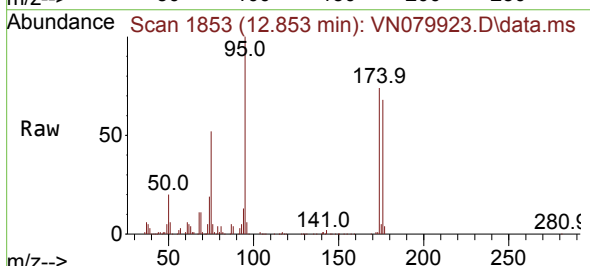
Instrument :
MSVOA_N
ClientSampleId :

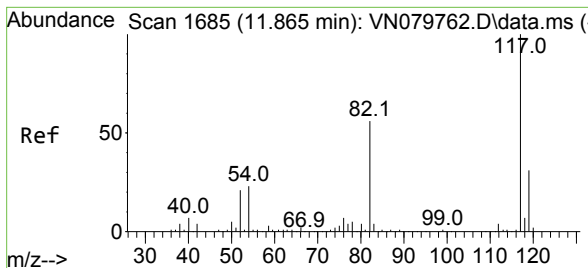
Tgt Ion: 43 Resp: 156440
Ion Ratio Lower Upper
43 100
58 22.8 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 51.307 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

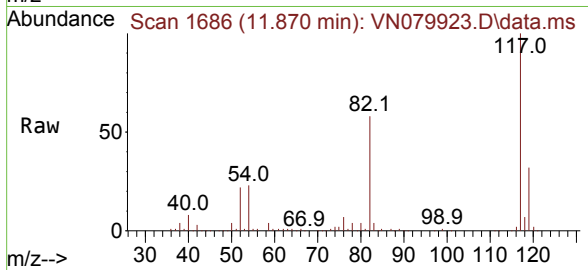
Tgt Ion: 95 Resp: 222372
Ion Ratio Lower Upper
95 100
174 74.4 0.0 143.8
176 69.3 0.0 135.8



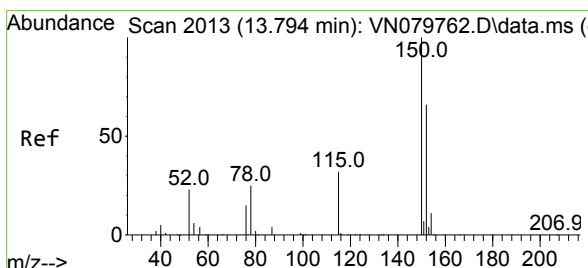
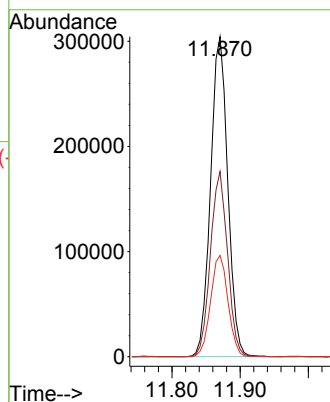
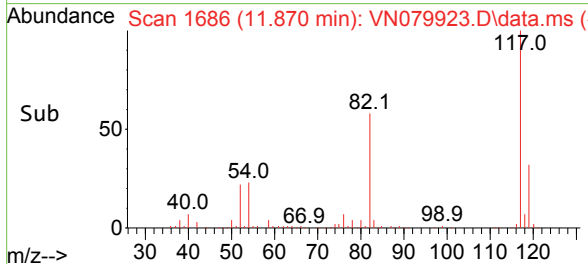


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21

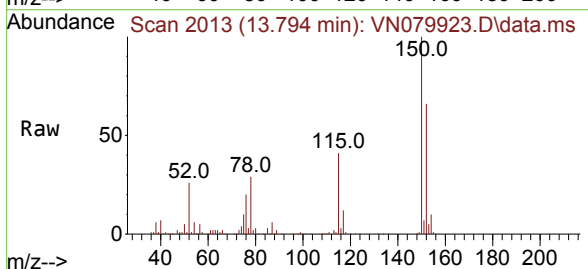
Instrument :
MSVOA_N
ClientSampleId :



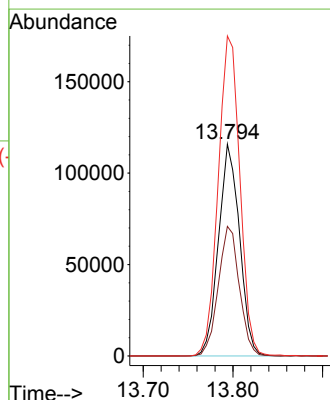
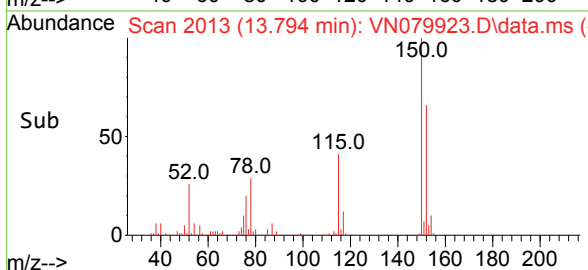
Tgt Ion:117 Resp: 534508
Ion Ratio Lower Upper
117 100
82 57.9 44.0 66.0
119 31.6 25.6 38.4

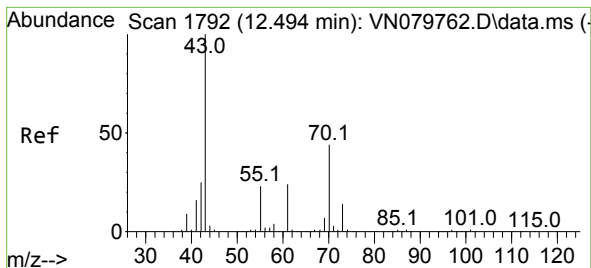


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN079923.D
Acq: 06 Nov 2023 15:21



Tgt Ion:152 Resp: 188456
Ion Ratio Lower Upper
152 100
115 61.3 32.3 96.8
150 155.9 0.0 355.8





#74

N-amy1 acetate

Concen: 0.424 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079923.D

Acq: 06 Nov 2023 15:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 2650

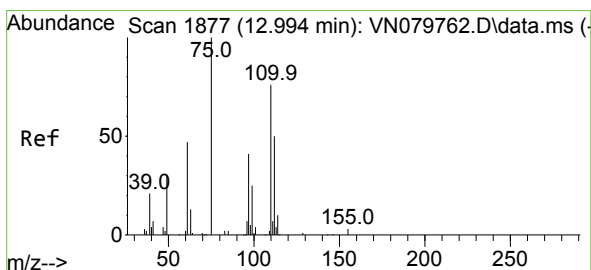
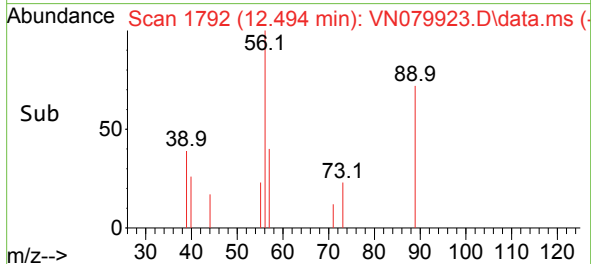
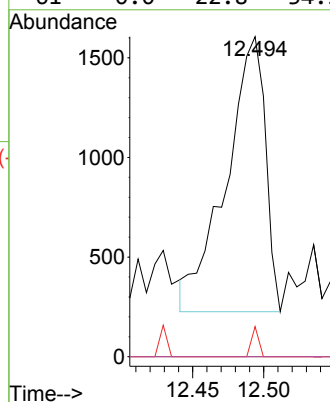
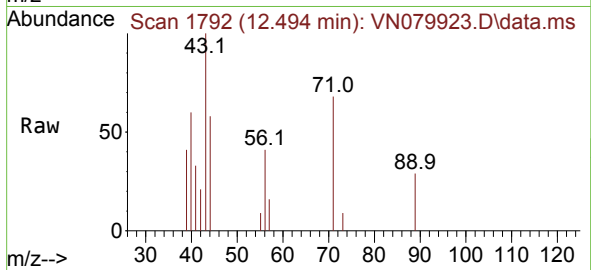
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 27.625 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079923.D

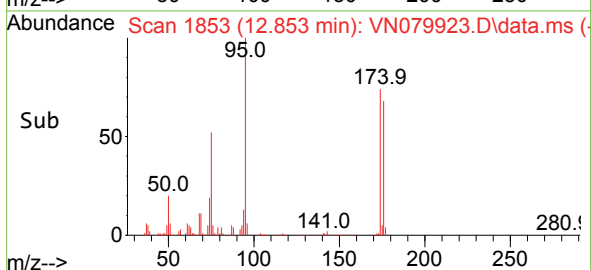
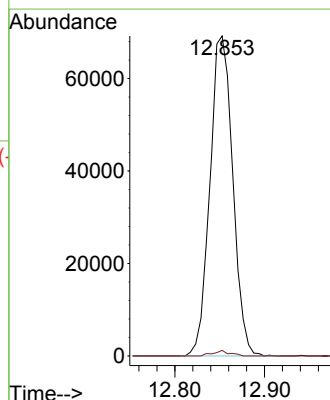
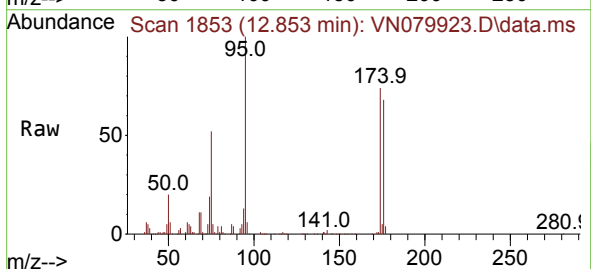
Acq: 06 Nov 2023 15:21

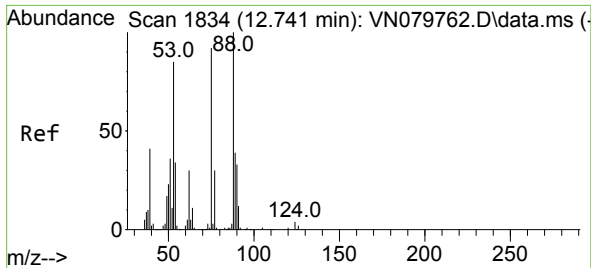
Tgt Ion: 75 Resp: 122223

Ion Ratio Lower Upper

75 100

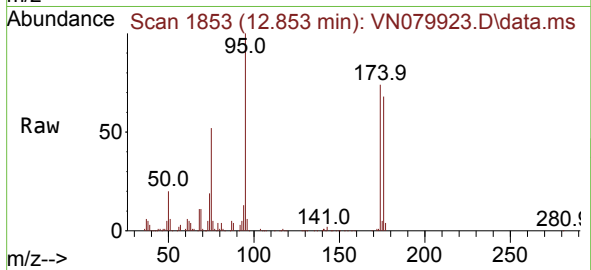
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.161 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079923.D
 Acq: 06 Nov 2023 15:21

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 122223
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

