

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079929.D
 Acq On : 06 Nov 2023 17:45
 Operator : JC\MD
 Sample : PB156885ZHE#12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:51:36 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

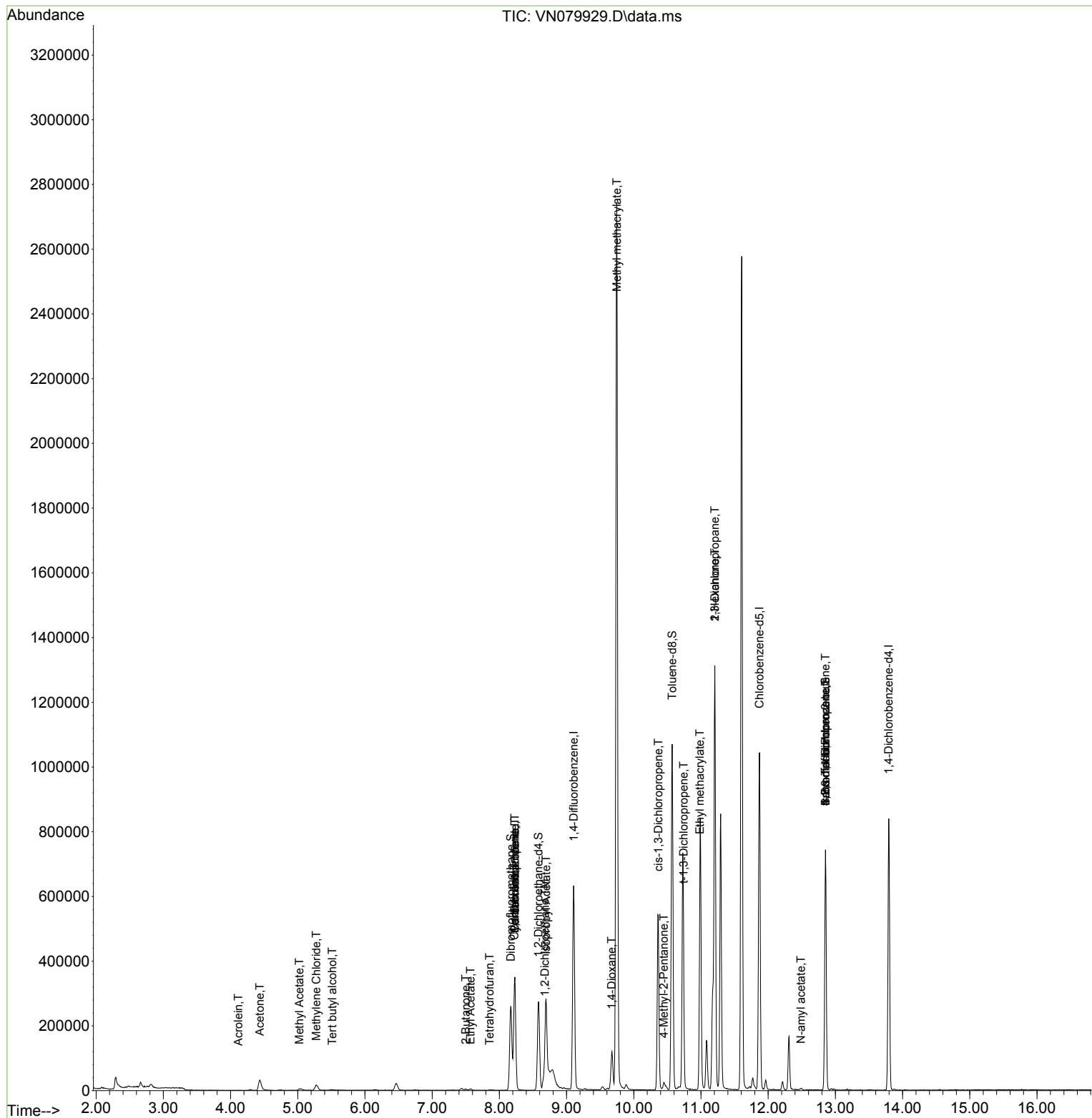
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	237279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	521746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	577615	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	213512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	230120	63.657	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 127.320%#	
35) Dibromofluoromethane	8.171	113	188428	51.027	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.060%	
50) Toluene-d8	10.571	98	720786	53.022	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.040%	
62) 4-Bromofluorobenzene	12.853	95	247473	54.890	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	999	Below Cal	#	30
11) Tert butyl alcohol	5.512	59	927	2.009	ug/l #	72
13) Acrolein	4.118	56	64	2.726	ug/l #	16
16) Acetone	4.436	43	62225	49.003	ug/l	95
18) Methyl Acetate	5.024	43	5450	0.897	ug/l #	80
20) Methylene Chloride	5.277	84	12432	3.880	ug/l	93
25) 2-Butanone	7.500	43	6531	3.512	ug/l #	62
29) Tetrahydrofuran	7.853	42	1193	0.986	ug/l #	45
31) Cyclohexane	8.224	56	7010	1.467	ug/l #	42
36) 1,1-Dichloropropene	8.230	75	21582	4.093	ug/l #	47
37) Ethyl Acetate	7.571	43	6894	1.426	ug/l #	80
38) Carbon Tetrachloride	8.230	117	26172	4.925	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	2175	0.394	ug/l #	73
43) Isopropyl Acetate	8.694	43	365515	43.103	ug/l #	73
48) Methyl methacrylate	9.747	41	244645	65.864	ug/l #	29
49) 1,4-Dioxane	9.671	88	65	0.990	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	23417	4.905	ug/l #	68
53) t-1,3-Dichloropropene	10.741	75	1896	0.329	ug/l #	80
54) cis-1,3-Dichloropropene	10.365	75	91037	14.497	ug/l #	73
56) Ethyl methacrylate	10.982	69	4237	0.789	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	12661	1.907	ug/l #	42
59) 2-Hexanone	11.206	43	158275	43.336	ug/l #	48
71) Bromoform	12.853	173	1772	0.553	ug/l #	1
74) N-amyl acetate	12.488	43	3822	0.540	ug/l #	39
76) 1,2,3-Trichloropropane	12.853	75	134720	26.876	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	134720	73.124	ug/l #	15

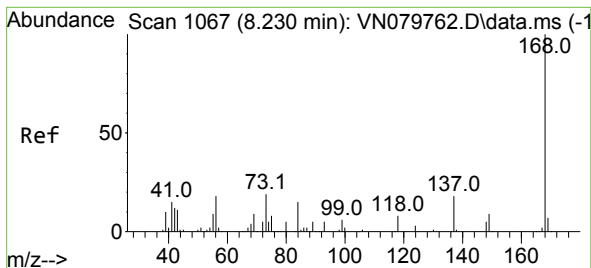
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 07 04:51:36 2023
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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: 8.230 min Scan# 10

Delta R.T. 0.001 min

Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

Instrument :

MSVOA_N

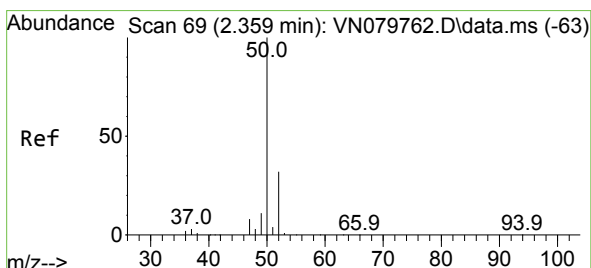
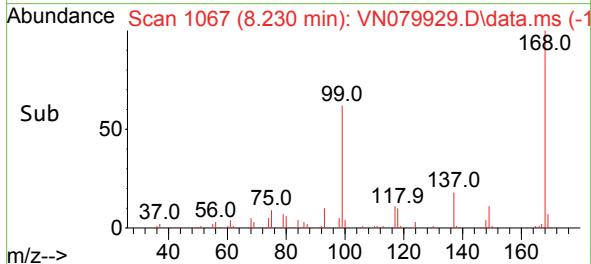
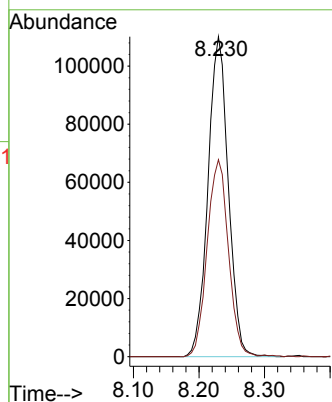
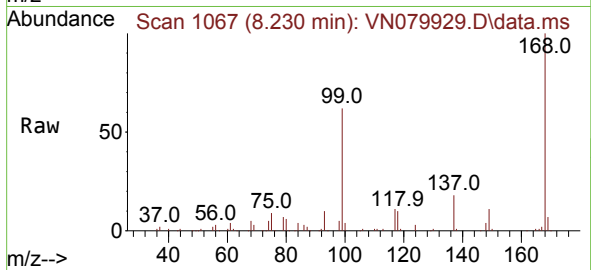
ClientSampleId :

Tgt Ion:168 Resp: 237279

Ion Ratio Lower Upper

168 100

99 61.6 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN079929.D

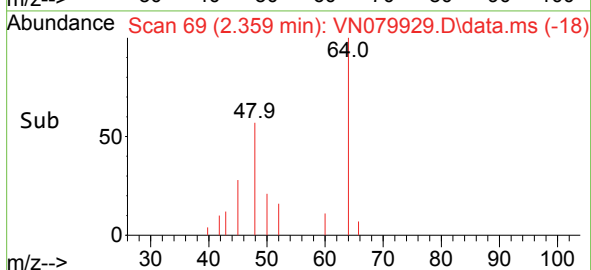
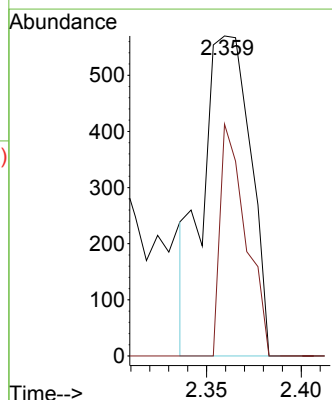
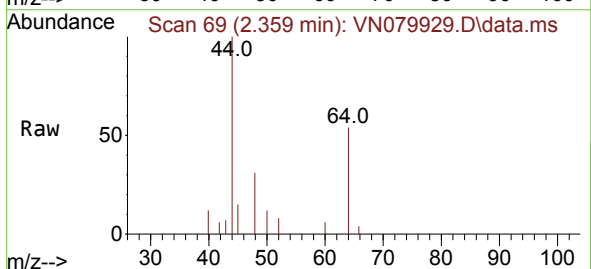
Acq: 06 Nov 2023 17:45

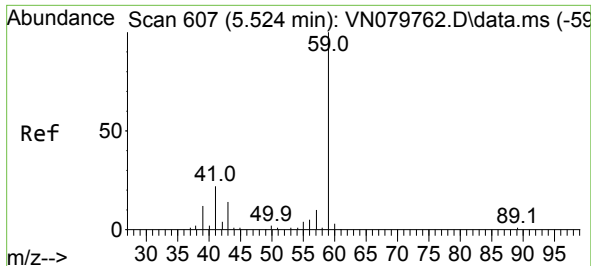
Tgt Ion: 50 Resp: 999

Ion Ratio Lower Upper

50 100

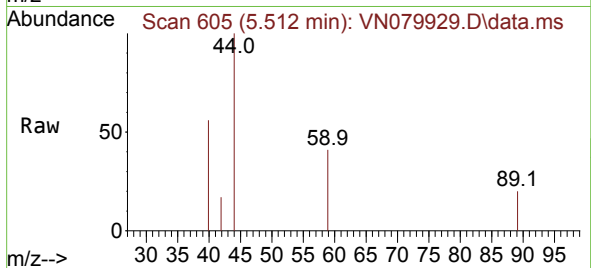
52 72.5 26.5 39.7#



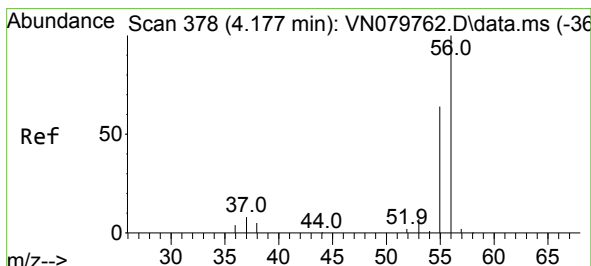
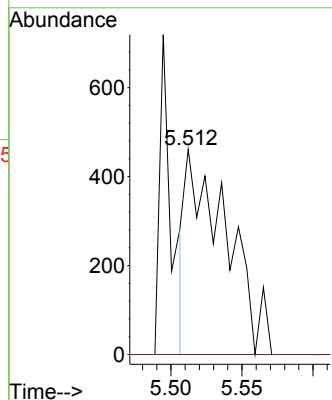
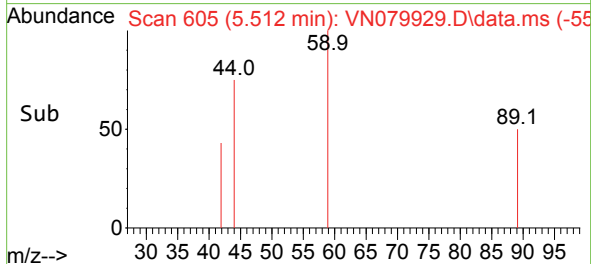


#11
Tert butyl alcohol
Concen: 2.009 ug/l
RT: 5.512 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Instrument :
MSVOA_N
ClientSampleId :

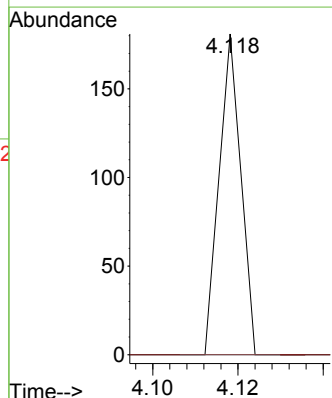
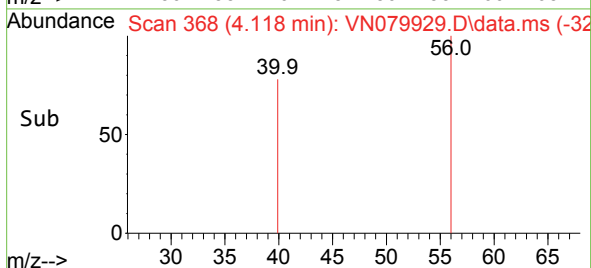
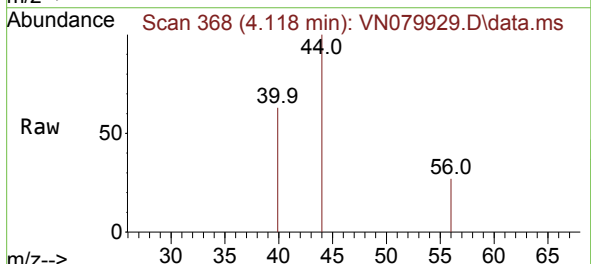


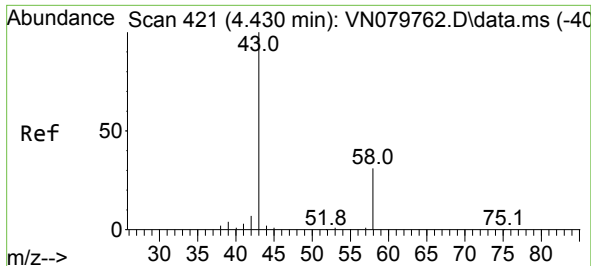
Tgt Ion: 59 Resp: 927
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 2.726 ug/l
RT: 4.118 min Scan# 368
Delta R.T. -0.065 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 54.5 81.7#

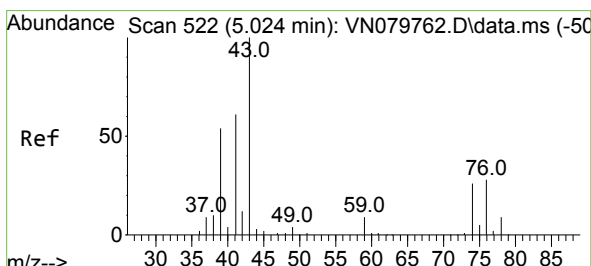
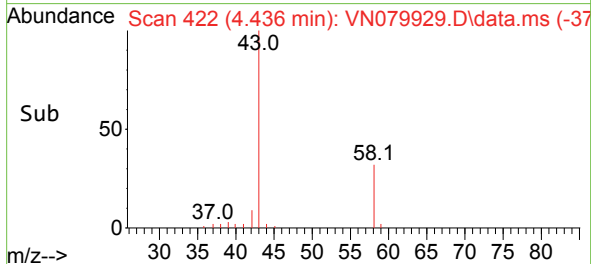
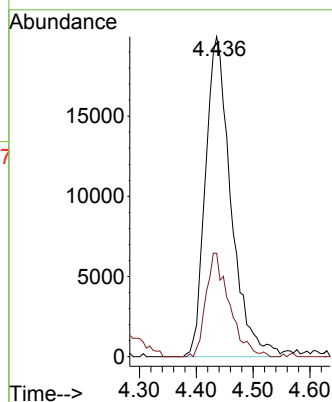
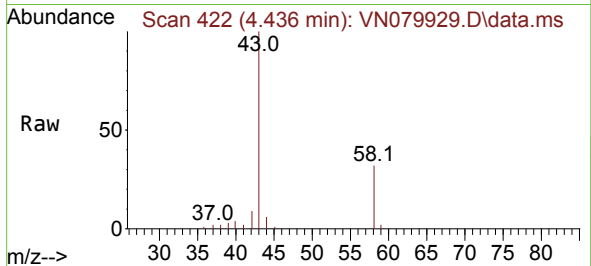




#16
Acetone
Concen: 49.003 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

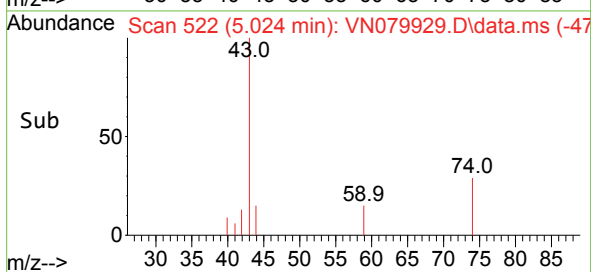
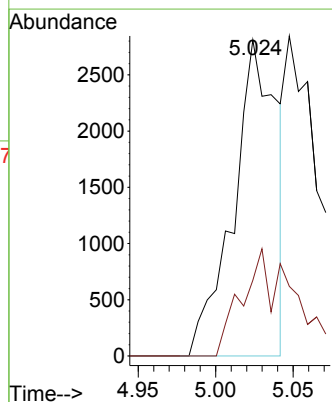
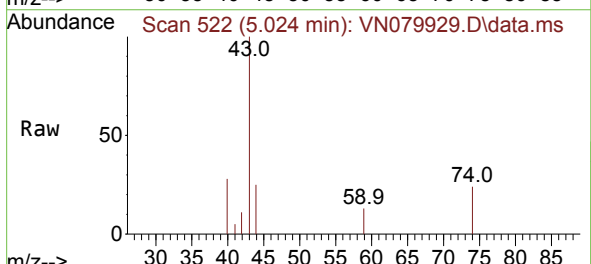
Instrument :
MSVOA_N
ClientSampleId :

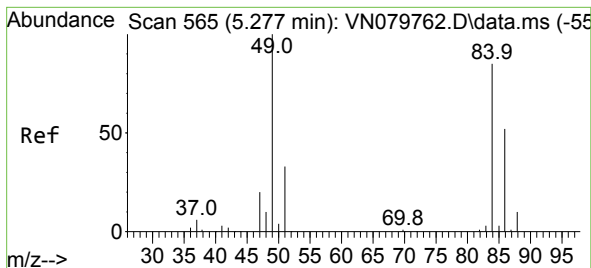
Tgt Ion: 43 Resp: 62225
Ion Ratio Lower Upper
43 100
58 32.3 28.0 42.0



#18
Methyl Acetate
Concen: 0.897 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.000 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Tgt Ion: 43 Resp: 5450
Ion Ratio Lower Upper
43 100
74 21.4 26.2 39.4#





#20

Methylene Chloride

Concen: 3.880 ug/l

RT: 5.277 min Scan# 5

Delta R.T. 0.006 min

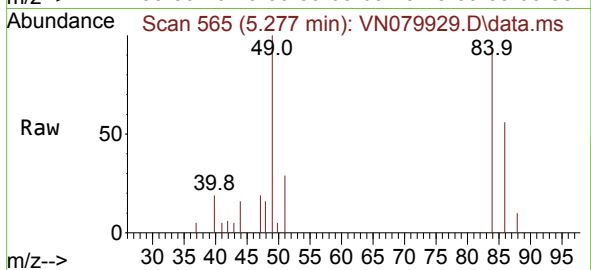
Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 12432

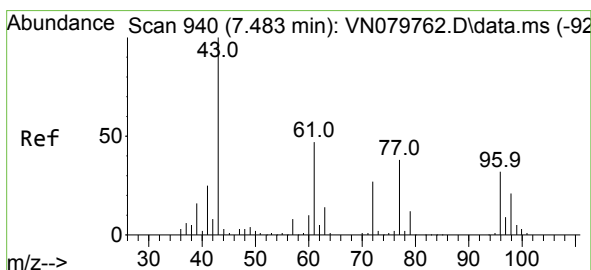
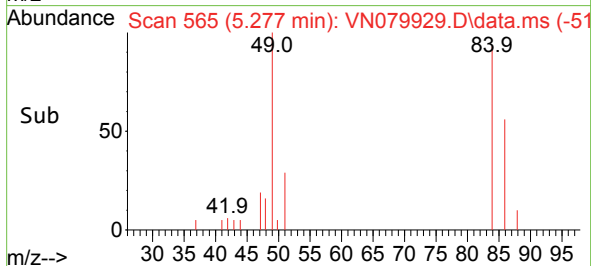
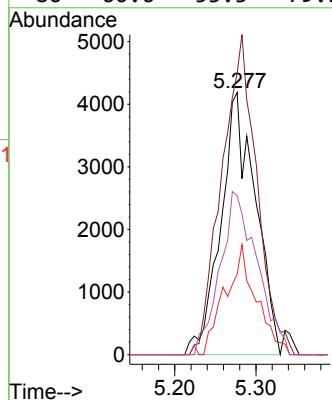
Ion Ratio Lower Upper

84 100

49 107.4 79.7 119.5

51 30.7 25.2 37.8

86 60.6 53.3 79.9



#25

2-Butanone

Concen: 3.512 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.012 min

Lab File: VN079929.D

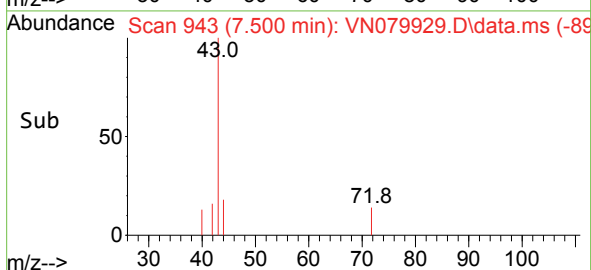
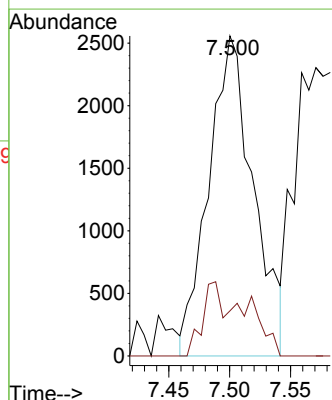
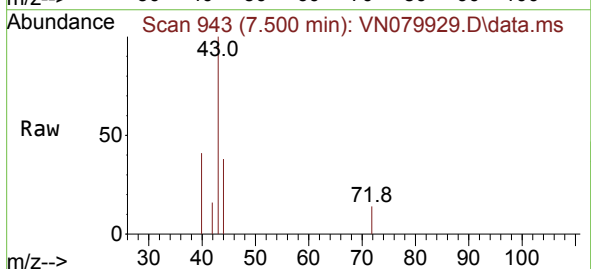
Acq: 06 Nov 2023 17:45

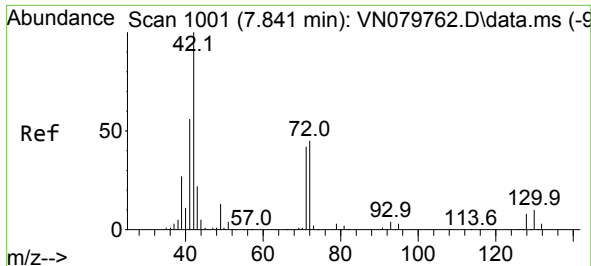
Tgt Ion: 43 Resp: 6531

Ion Ratio Lower Upper

43 100

72 15.0 30.2 45.2#





#29

Tetrahydrofuran

Concen: 0.986 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :

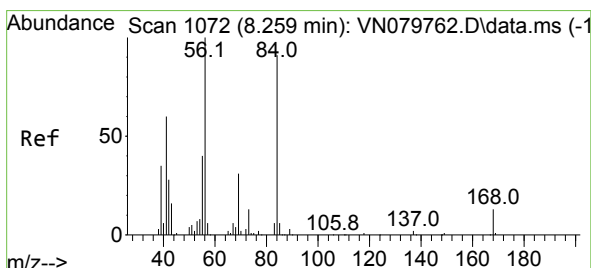
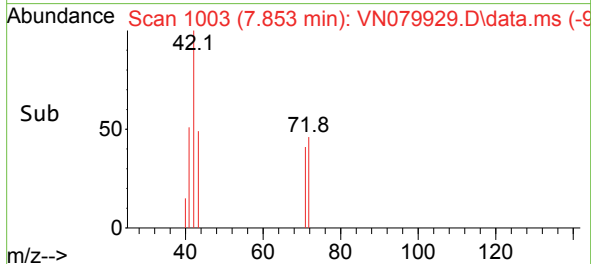
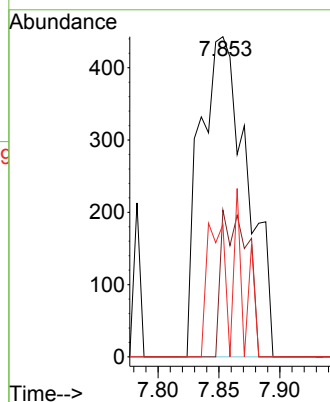
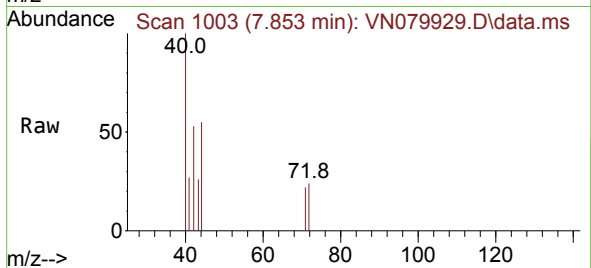
Tgt Ion: 42 Resp: 1193

Ion Ratio Lower Upper

42 100

72 25.6 49.8 74.6#

71 11.5 47.4 71.2#



#31

Cyclohexane

Concen: 1.467 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

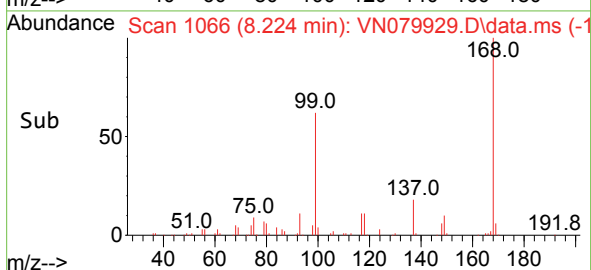
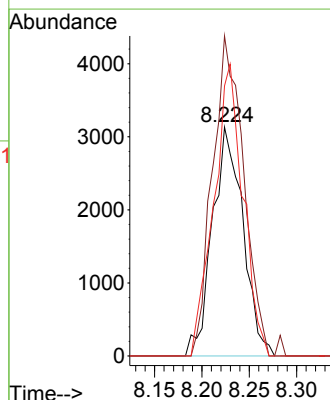
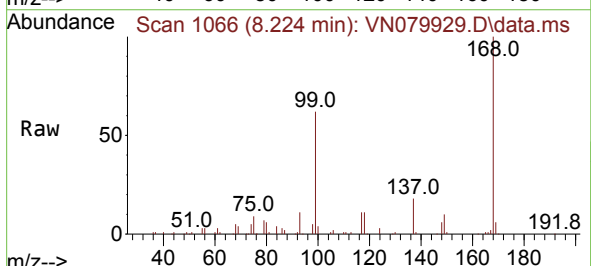
Tgt Ion: 56 Resp: 7010

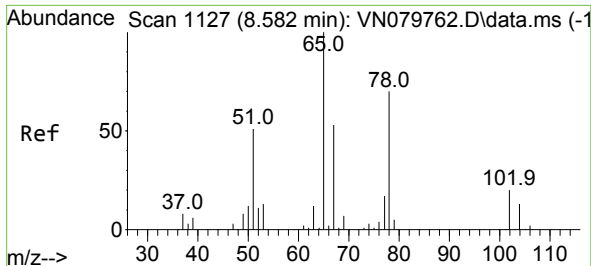
Ion Ratio Lower Upper

56 100

69 139.8 26.8 40.2#

84 118.0 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 63.657 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

Instrument :

MSVOA_N

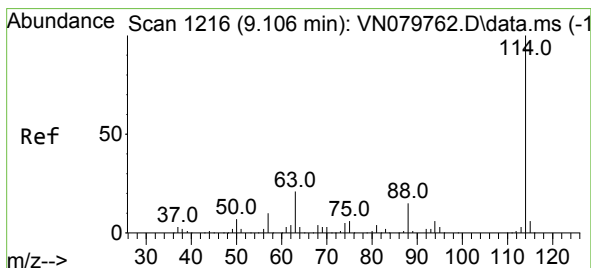
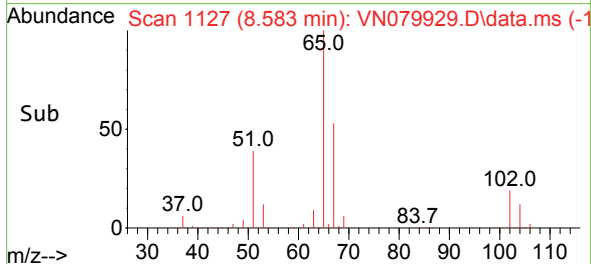
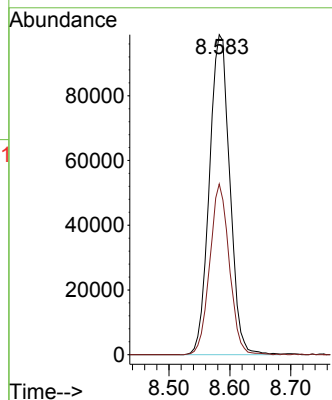
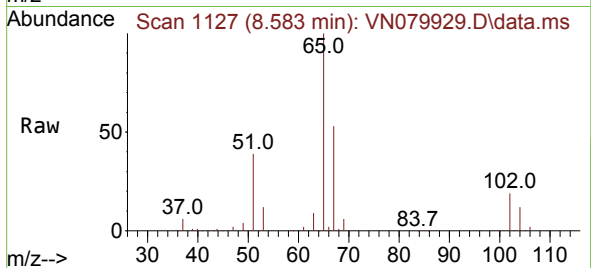
ClientSampleId :

Tgt Ion: 65 Resp: 230120

Ion Ratio Lower Upper

65 100

67 50.9 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: VN079929.D

Acq: 06 Nov 2023 17:45

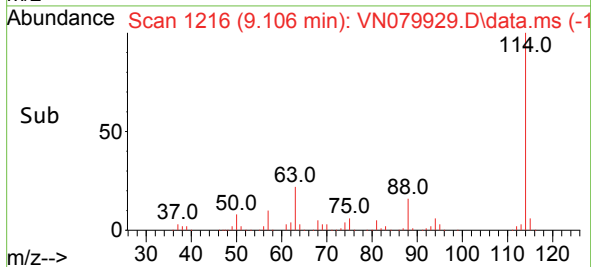
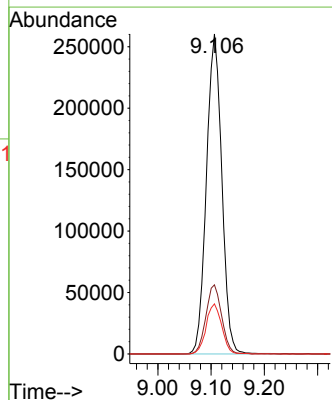
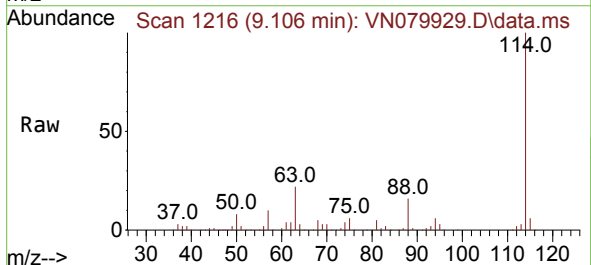
Tgt Ion: 114 Resp: 521746

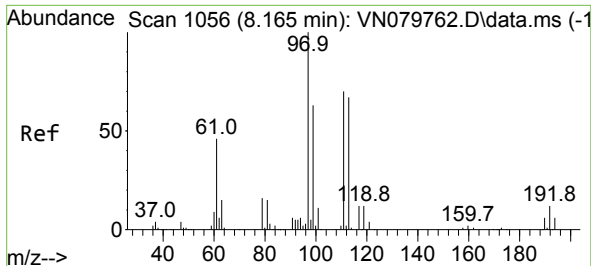
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

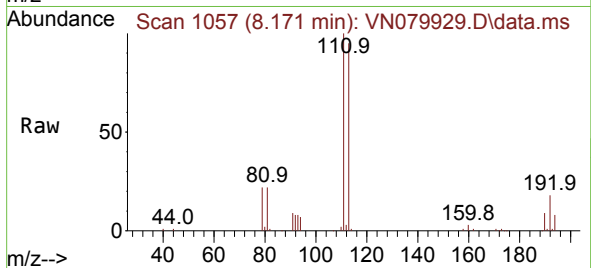
88 15.6 0.0 30.6



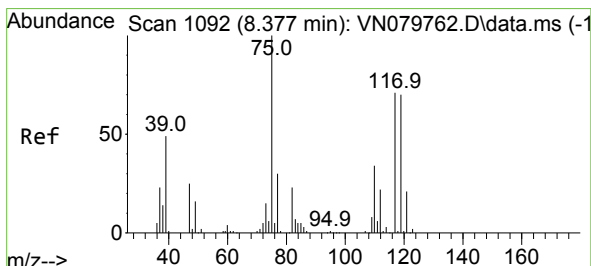
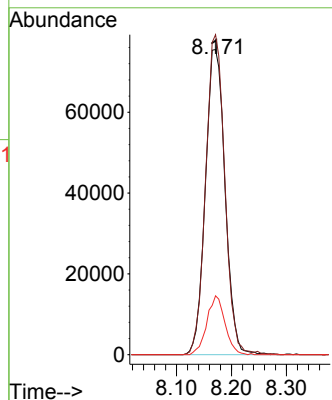
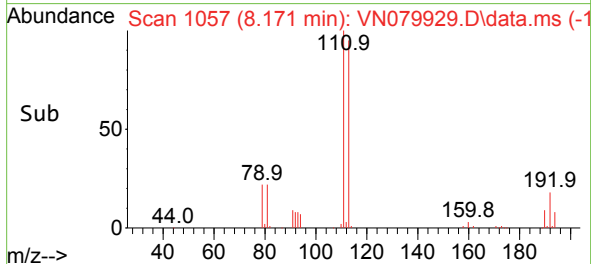


#35
Dibromofluoromethane
Concen: 51.027 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Instrument :
MSVOA_N
ClientSampleId :

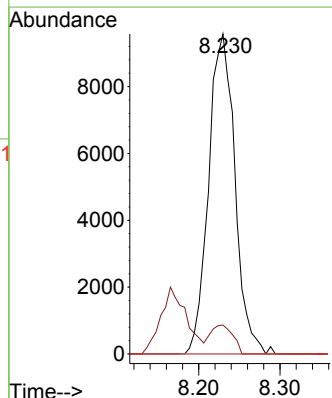
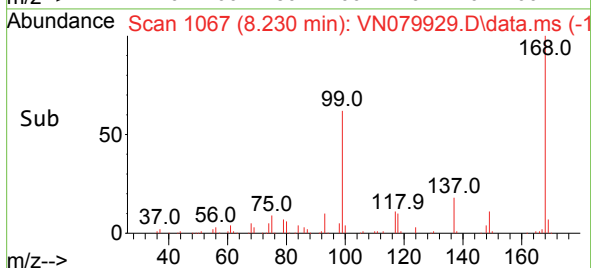
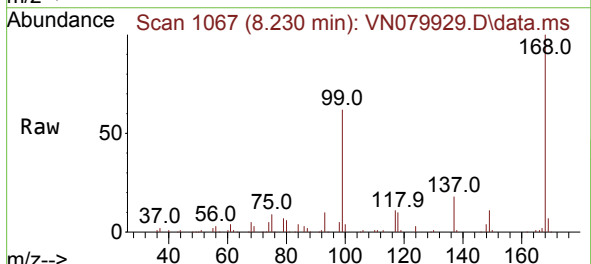


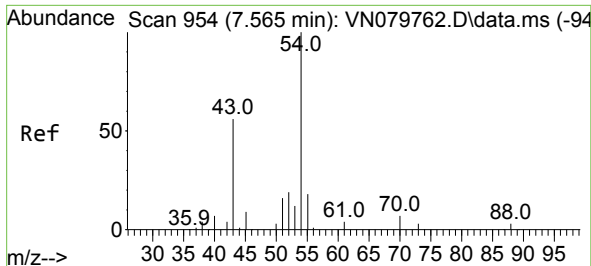
Tgt Ion:113 Resp: 188428
Ion Ratio Lower Upper
113 100
111 101.8 82.6 123.8
192 17.8 12.7 19.1



#36
1,1-Dichloropropene
Concen: 4.093 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

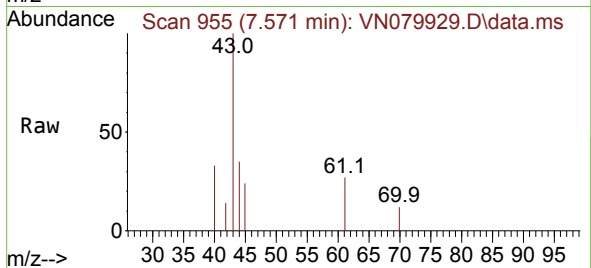
Tgt Ion: 75 Resp: 21582
Ion Ratio Lower Upper
75 100
110 7.7 19.1 57.3#
77 0.0 25.0 37.4#



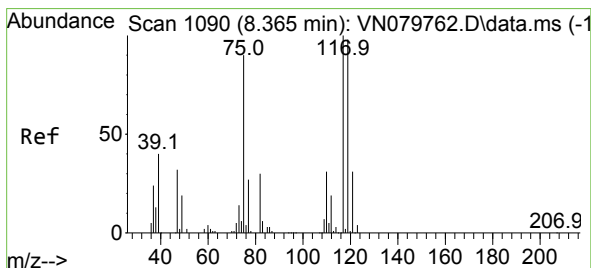
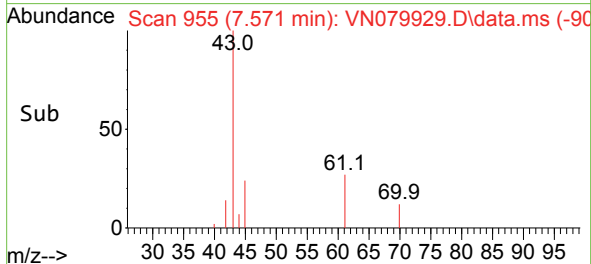
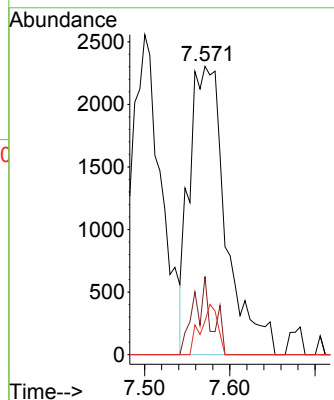


#37
Ethyl Acetate
Concen: 1.426 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Instrument :
MSVOA_N
ClientSampleId :

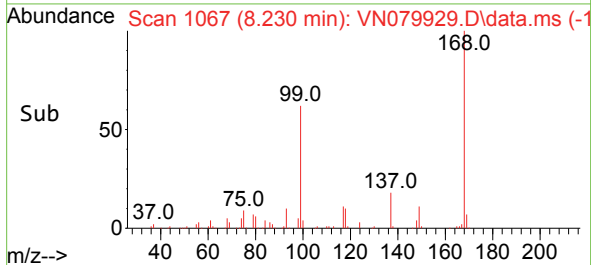
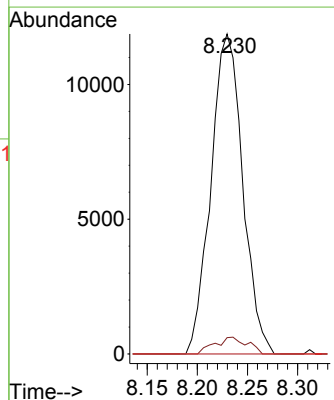
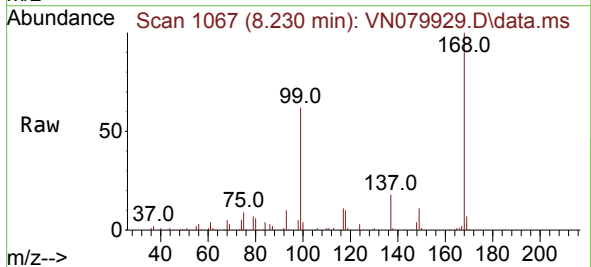


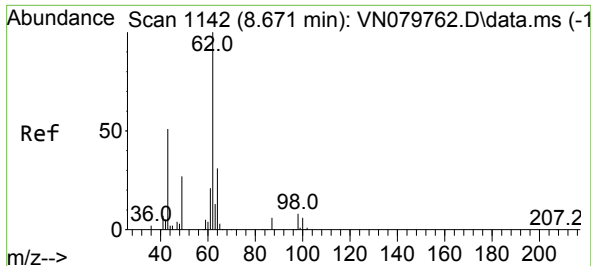
Tgt Ion: 43 Resp: 6894
Ion Ratio Lower Upper
43 100
61 6.0 13.2 19.8#
70 8.1 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.925 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Tgt Ion: 117 Resp: 26172
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.394 ug/l

RT: 8.677 min Scan# 1142

Delta R.T. 0.006 min

Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

Instrument :

MSVOA_N

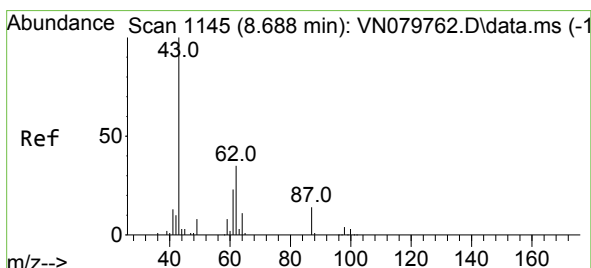
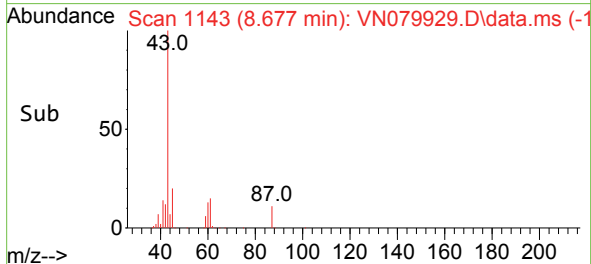
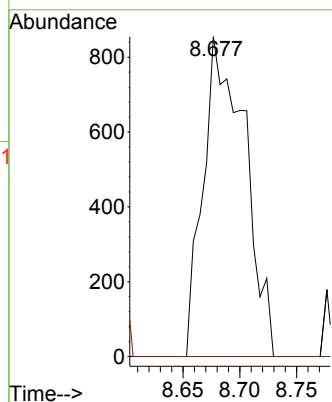
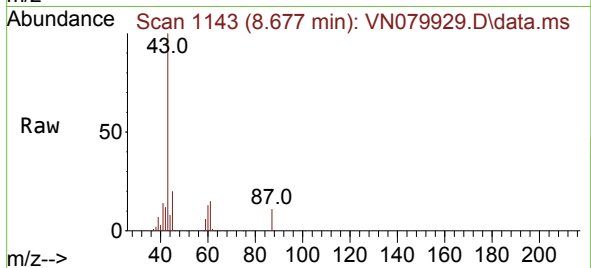
ClientSampleId :

Tgt Ion: 62 Resp: 2175

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 43.103 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

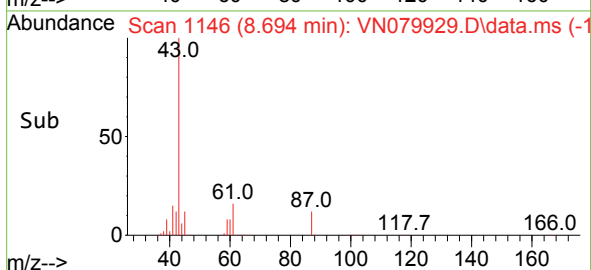
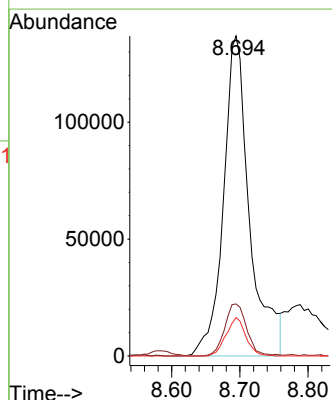
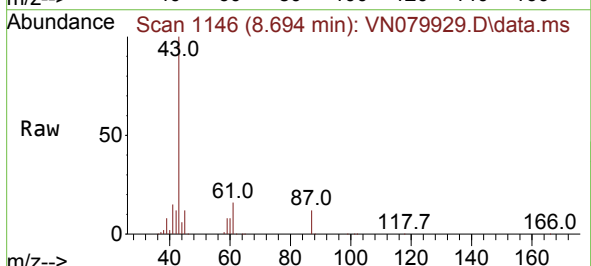
Tgt Ion: 43 Resp: 365515

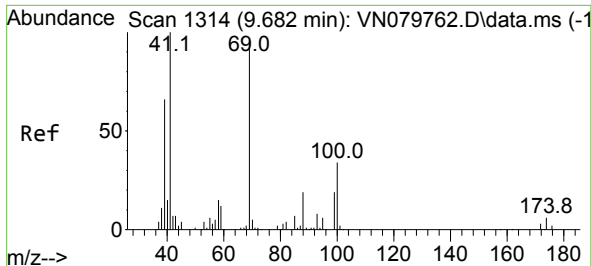
Ion Ratio Lower Upper

43 100

61 13.8 24.7 37.1#

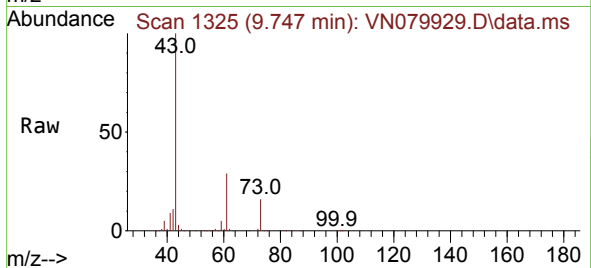
87 9.1 14.6 21.8#



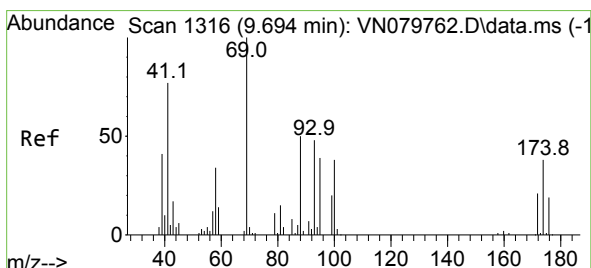
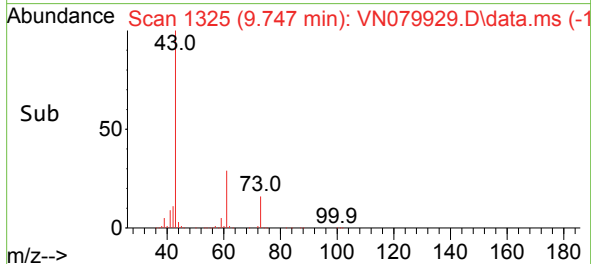
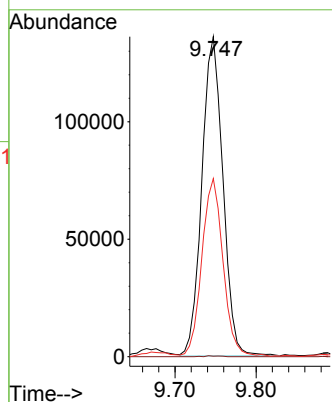


#48
Methyl methacrylate
Concen: 65.864 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Instrument :
MSVOA_N
ClientSampleId :

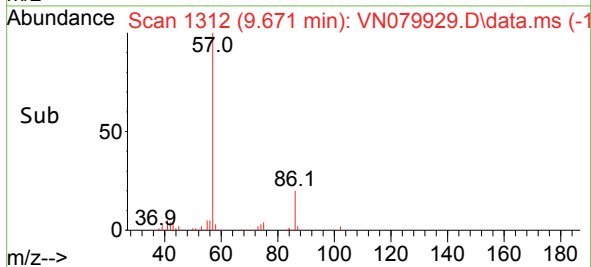
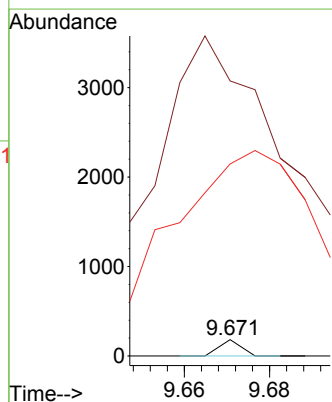
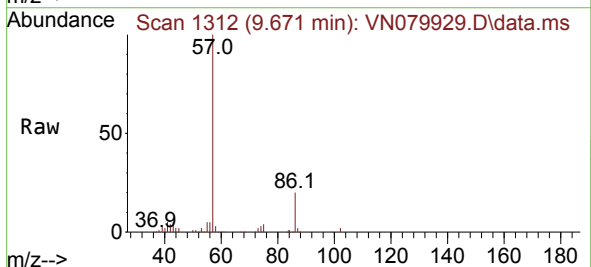


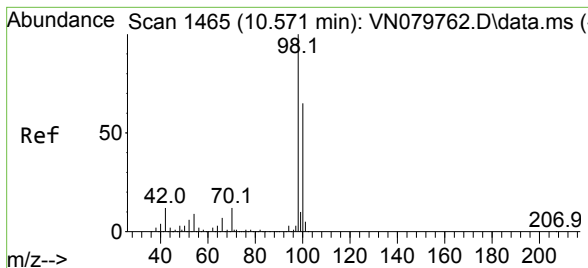
Tgt Ion: 41 Resp: 244645
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 56.0 54.6 81.8



#49
1,4-Dioxane
Concen: 0.990 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.023 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 8526.2 47.0 70.4#

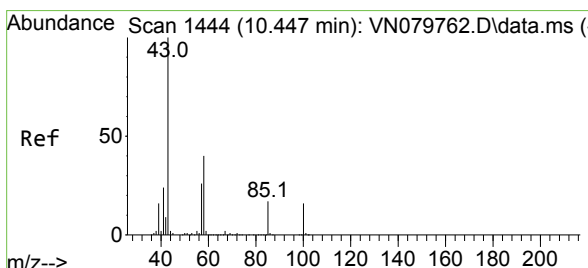
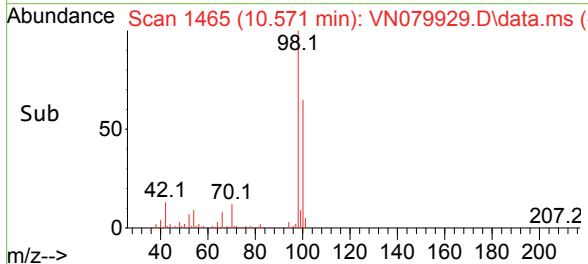
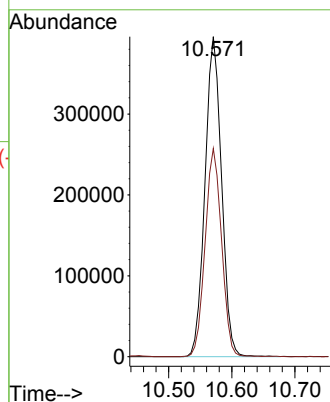
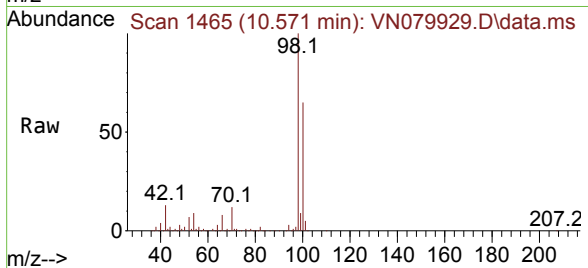




#50
Toluene-d8
Concen: 53.022 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

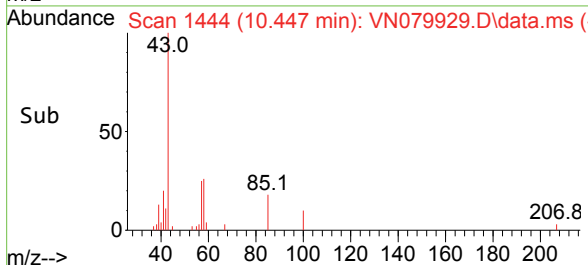
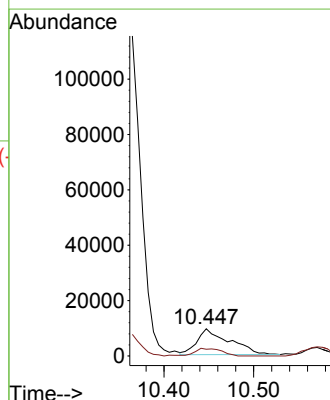
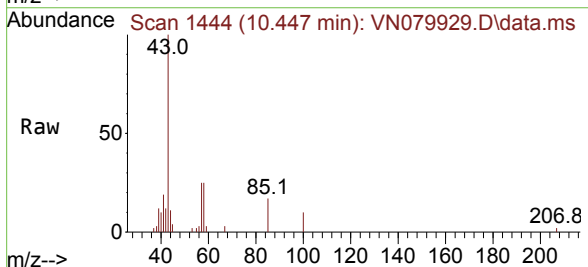
Instrument :
MSVOA_N
ClientSampleId :

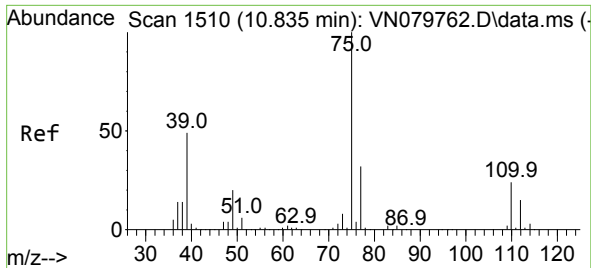
Tgt Ion: 98 Resp: 720786
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.905 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Tgt Ion: 43 Resp: 23417
Ion Ratio Lower Upper
43 100
58 24.9 36.6 54.8#

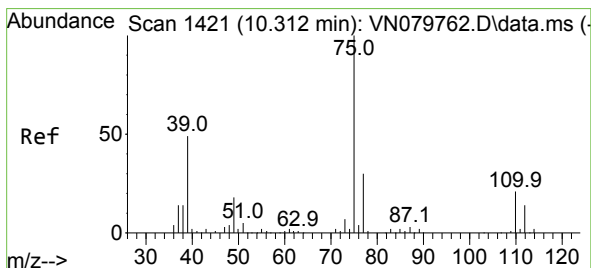
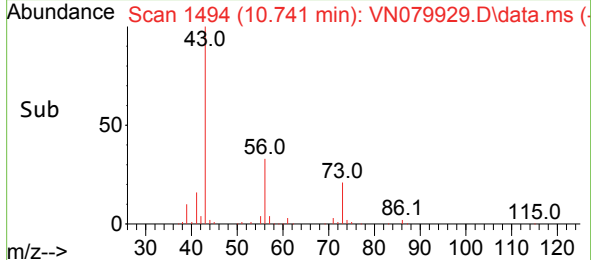
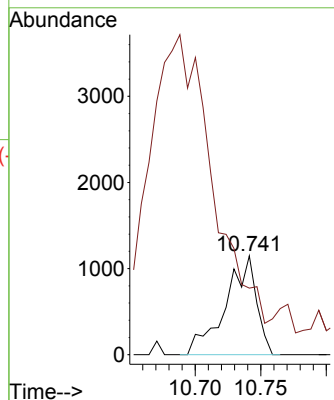
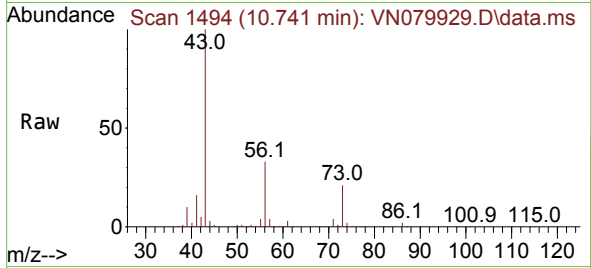




#53
 t-1,3-Dichloropropene
 Concen: 0.329 ug/l
 RT: 10.741 min Scan# 1494
 Delta R.T. -0.100 min
 Lab File: VN079929.D
 Acq: 06 Nov 2023 17:45

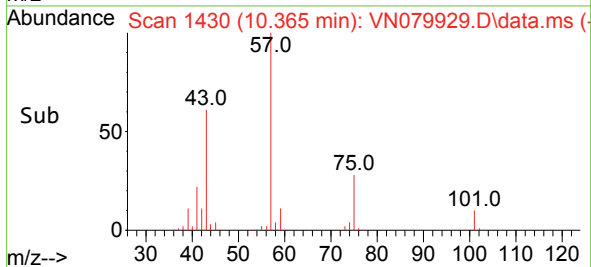
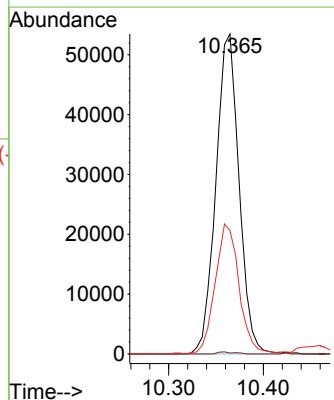
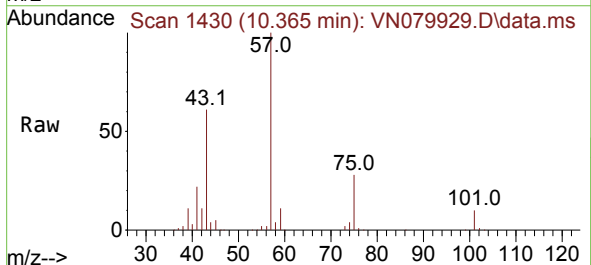
Instrument :
 MSVOA_N
 ClientSampleId :

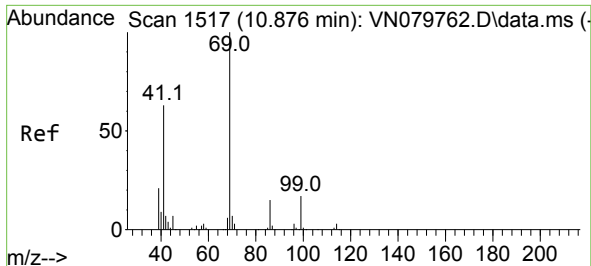
Tgt Ion: 75 Resp: 1896
 Ion Ratio Lower Upper
 75 100
 77 20.7 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.497 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079929.D
 Acq: 06 Nov 2023 17:45

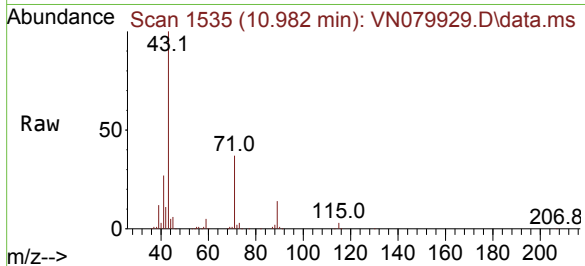
Tgt Ion: 75 Resp: 91037
 Ion Ratio Lower Upper
 75 100
 77 0.3 26.1 39.1#
 39 38.3 31.6 47.4



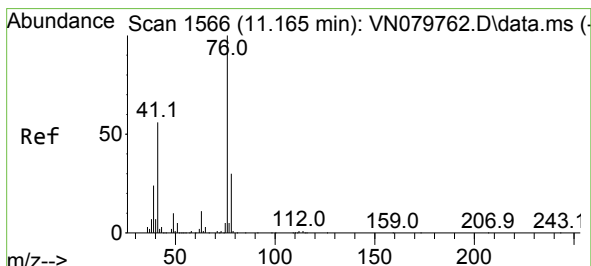
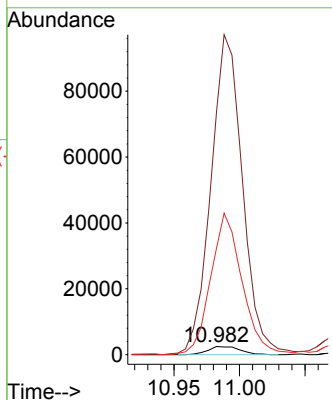
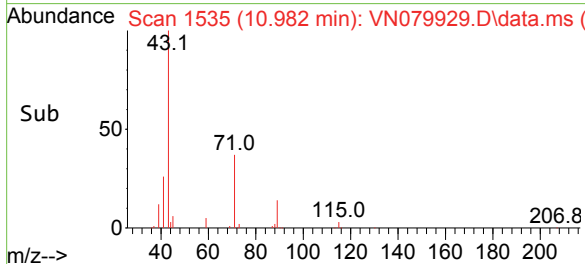


#56
Ethyl methacrylate
Concen: 0.789 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.106 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

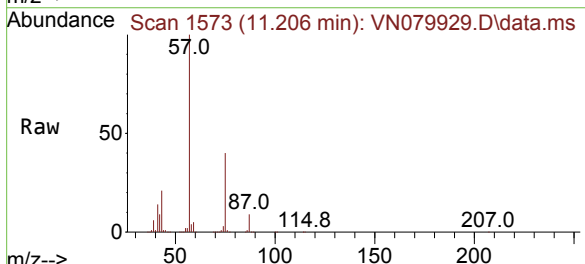
Instrument :
MSVOA_N
ClientSampleId :



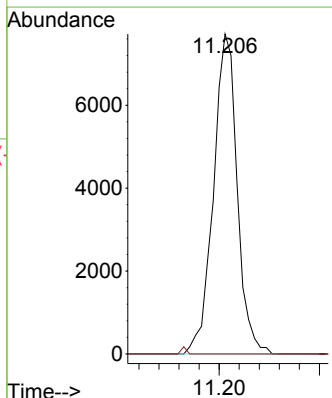
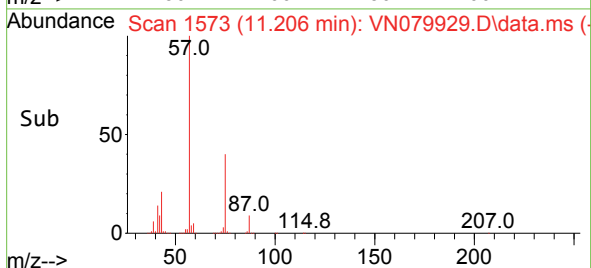
Tgt Ion: 69 Resp: 4237
Ion Ratio Lower Upper
69 100
41 3860.6 39.6 59.4#
39 1685.6 28.6 43.0#

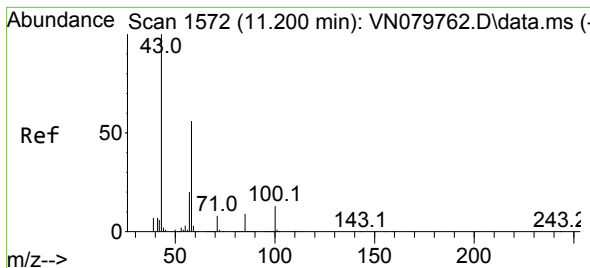


#57
1,3-Dichloropropane
Concen: 1.907 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45



Tgt Ion: 76 Resp: 12661
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

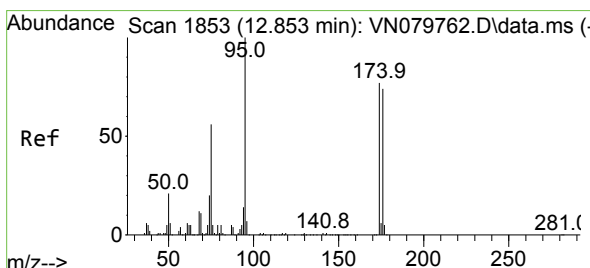
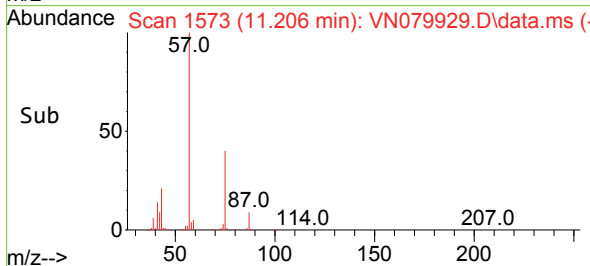
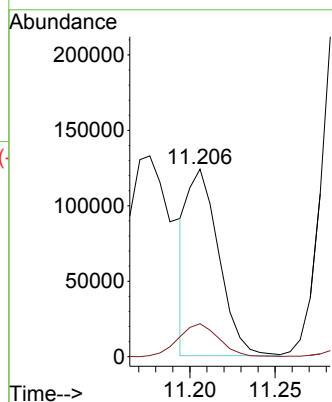
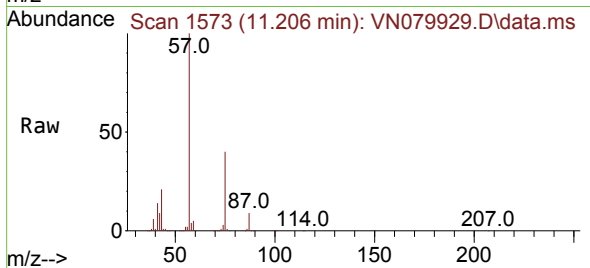




#59
2-Hexanone
Concen: 43.336 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

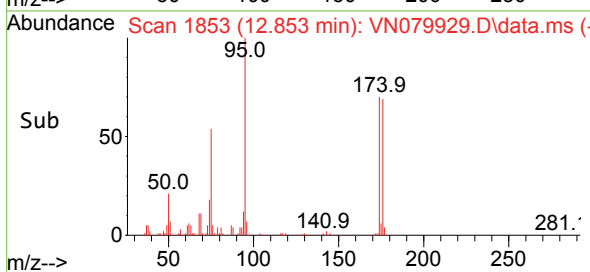
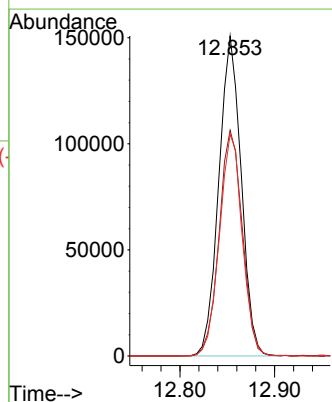
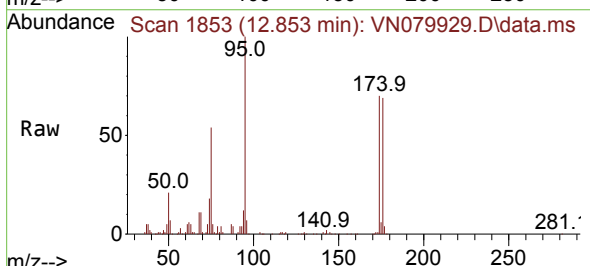
Instrument :
MSVOA_N
ClientSampleId :

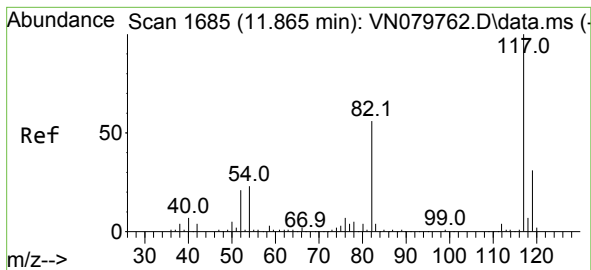
Tgt Ion: 43 Resp: 158275
Ion Ratio Lower Upper
43 100
58 22.9 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.890 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Tgt Ion: 95 Resp: 247473
Ion Ratio Lower Upper
95 100
174 73.1 0.0 143.8
176 70.7 0.0 135.8

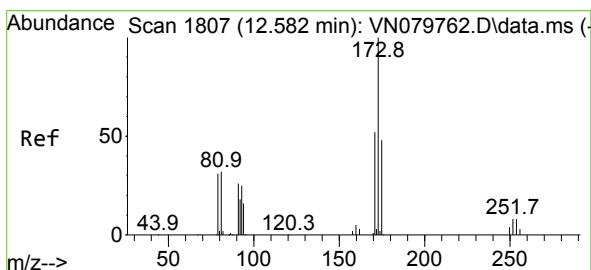
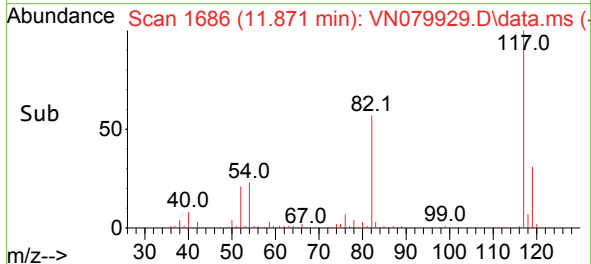
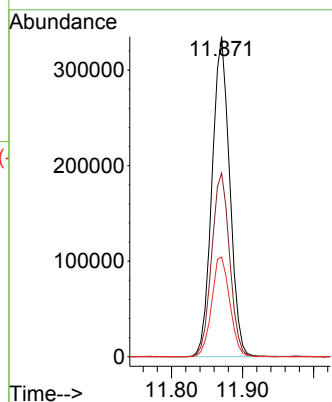
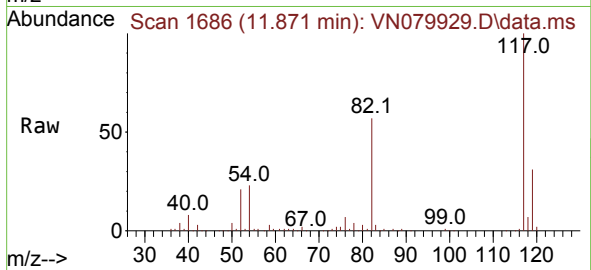




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

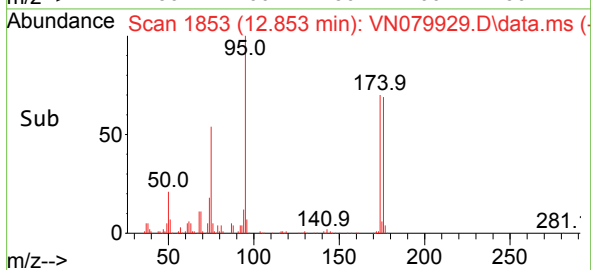
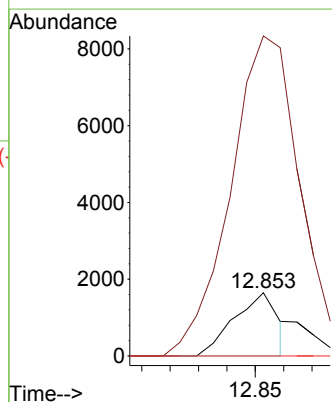
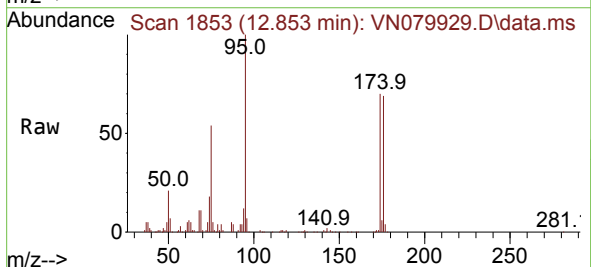
Instrument :
MSVOA_N
ClientSampleId :

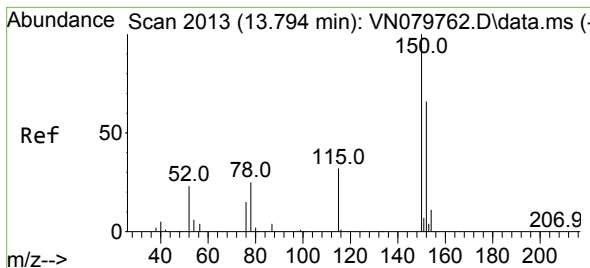
Tgt Ion:117 Resp: 577615
Ion Ratio Lower Upper
117 100
82 57.4 44.0 66.0
119 31.1 25.6 38.4



#71
Bromoform
Concen: 0.553 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Tgt Ion:173 Resp: 1772
Ion Ratio Lower Upper
173 100
175 622.9 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# 2013

Delta R.T. 0.000 min

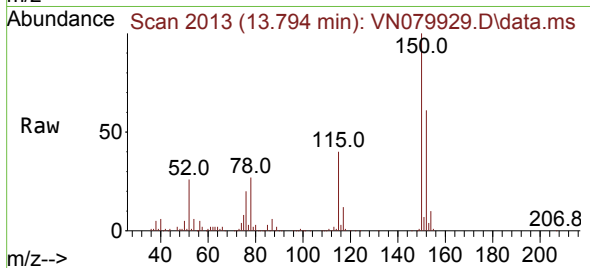
Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

Instrument :

MSVOA_N

ClientSampleId :



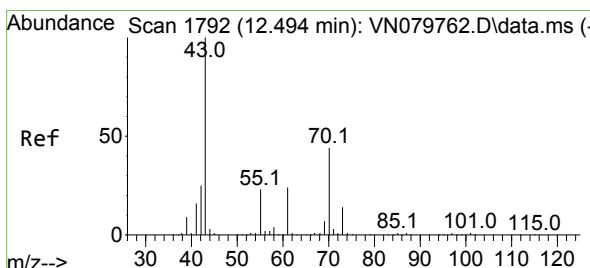
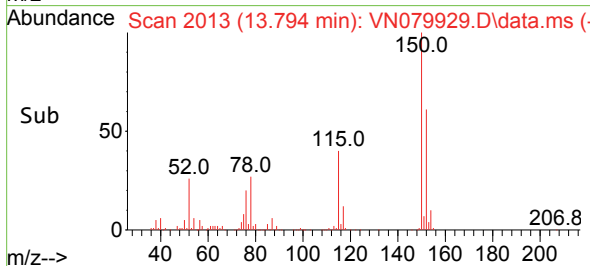
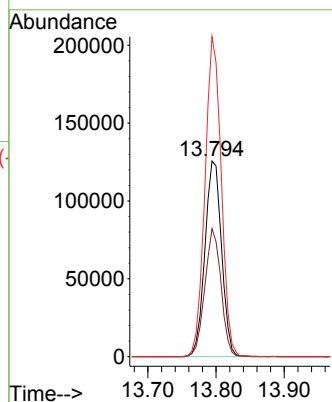
Tgt Ion:152 Resp: 213512

Ion Ratio Lower Upper

152 100

115 63.4 32.3 96.8

150 159.6 0.0 355.8



#74

N-ethyl acetate

Concen: 0.540 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN079929.D

Acq: 06 Nov 2023 17:45

Tgt Ion: 43 Resp: 3822

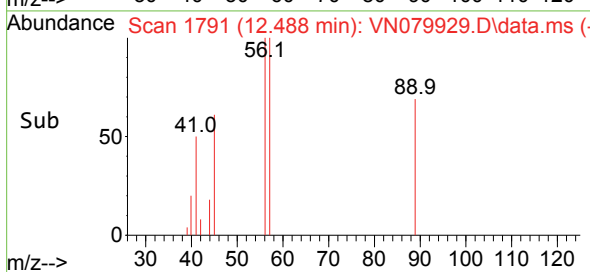
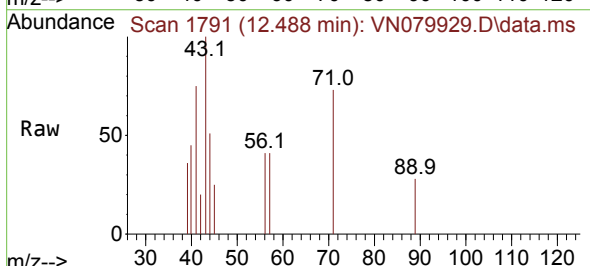
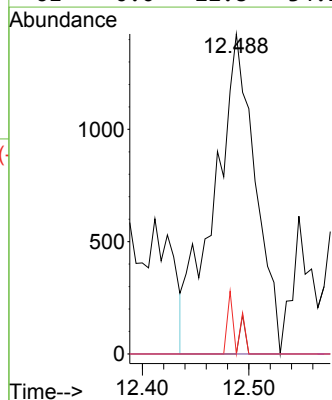
Ion Ratio Lower Upper

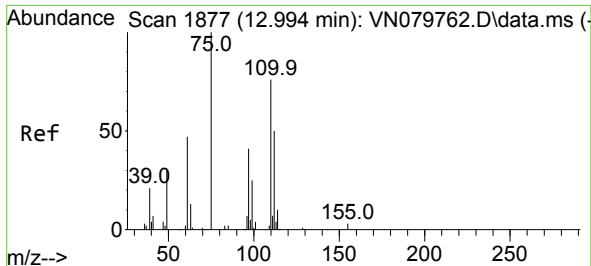
43 100

70 1.6 43.4 65.2#

55 4.3 21.4 32.0#

61 0.0 22.8 34.2#

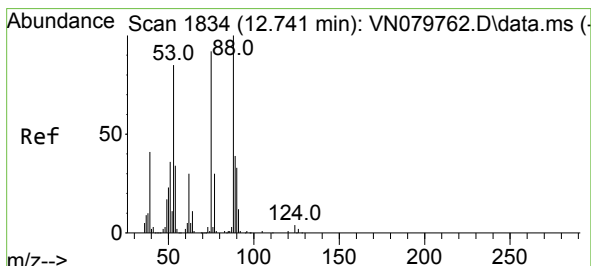
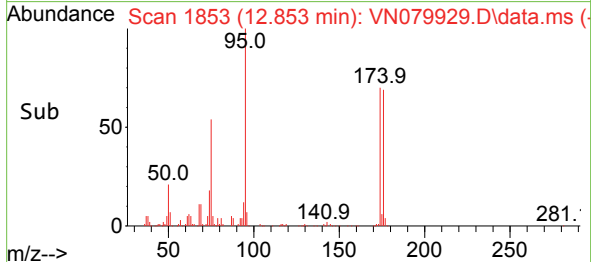
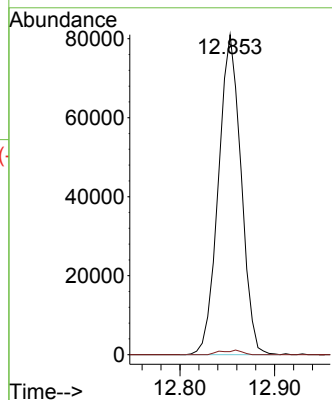
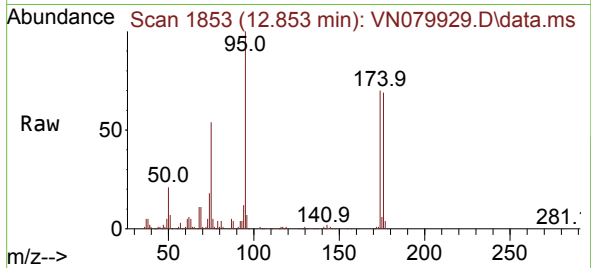




#76
1,2,3-Trichloropropane
Concen: 26.876 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 134720
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.124 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN079929.D
Acq: 06 Nov 2023 17:45

Tgt Ion: 75 Resp: 134720
Ion Ratio Lower Upper
75 100
53 0.1 67.4 101.2#
89 0.0 38.8 58.2#

