

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110623\
 Data File : VN079936.D
 Acq On : 06 Nov 2023 20:33
 Operator : JC\MD
 Sample : PB156885ZHE#19
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 07 04:54:42 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)

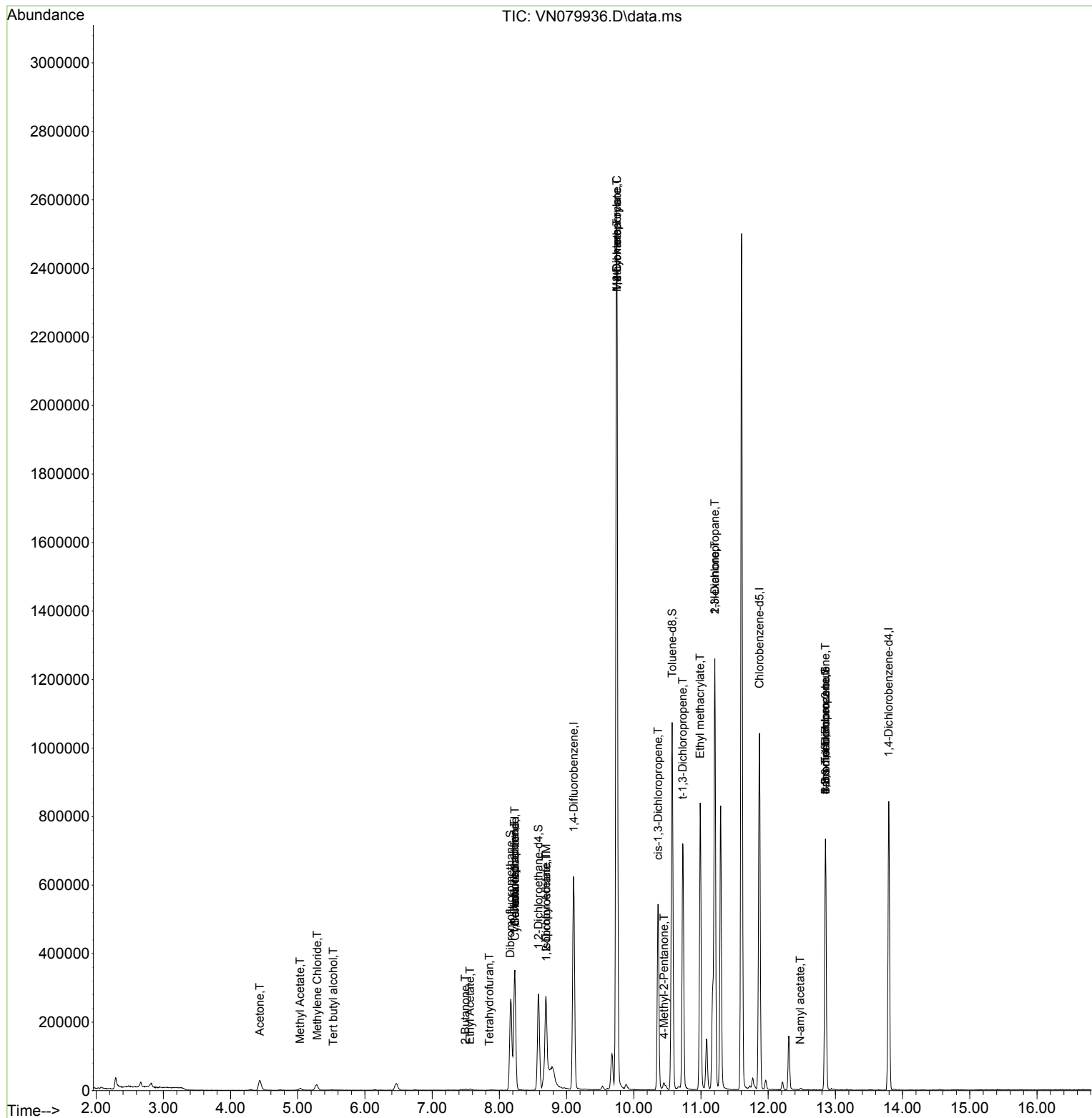
Internal Standards						
1) Pentafluorobenzene	8.229	168	234420	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	519988	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	575642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	208024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	230201	64.456	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 128.920%#			
35) Dibromofluoromethane	8.165	113	191425	52.014	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	10.571	98	721428	53.248	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.500%			
62) 4-Bromofluorobenzene	12.853	95	243163	54.116	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.240%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1115	Below Cal		91
11) Tert butyl alcohol	5.530	59	1034	2.268 ug/l #		72
16) Acetone	4.436	43	58045	46.269 ug/l		93
18) Methyl Acetate	5.036	43	11133	1.855 ug/l #		74
20) Methylene Chloride	5.289	84	12272	3.877 ug/l #		88
25) 2-Butanone	7.494	43	5685	3.095 ug/l #		56
29) Tetrahydrofuran	7.853	42	802	0.671 ug/l #		36
31) Cyclohexane	8.235	56	6050	1.282 ug/l #		27
36) 1,1-Dichloropropene	8.224	75	22329	4.249 ug/l #		46
37) Ethyl Acetate	7.565	43	5734	1.190 ug/l #		78
38) Carbon Tetrachloride	8.229	117	26864	5.073 ug/l #		18
42) 1,2-Dichloroethane	8.700	62	1846	0.336 ug/l #		73
43) Isopropyl Acetate	8.694	43	355808	42.100 ug/l #		73
45) 1,2-Dichloropropane	9.747	63	3191	0.793 ug/l #		45
48) Methyl methacrylate	9.747	41	242489	65.504 ug/l #		28
49) 1,4-Dioxane	9.747	88	326	4.984 ug/l #		1
51) 4-Methyl-2-Pentanone	10.453	43	22308	4.688 ug/l #		69
53) t-1,3-Dichloropropene	10.729	75	1789	0.312 ug/l		93
54) cis-1,3-Dichloropropene	10.365	75	92464	14.774 ug/l #		72
56) Ethyl methacrylate	10.988	69	4980	0.930 ug/l #		1
57) 1,3-Dichloropropane	11.206	76	12565	1.899 ug/l #		42
59) 2-Hexanone	11.206	43	152489	41.893 ug/l #		48
71) Bromoform	12.853	173	1720	0.538 ug/l #		1
74) N-amyl acetate	12.476	43	1894	0.275 ug/l #		40
76) 1,2,3-Trichloropropane	12.853	75	134614	27.563 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.853	75	134614	74.994 ug/l #		15

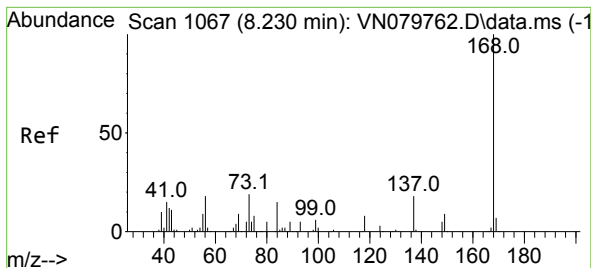
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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. 0.001 min

Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

Instrument :

MSVOA_N

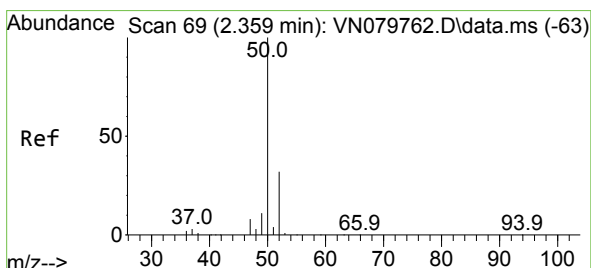
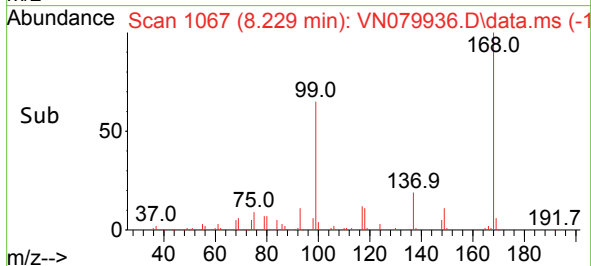
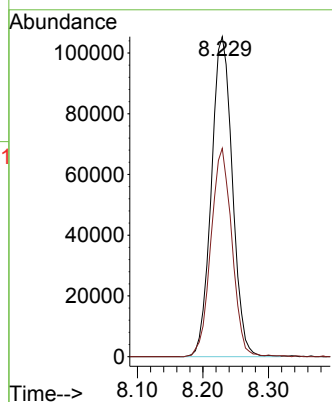
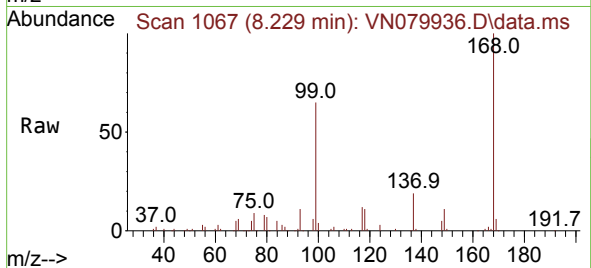
ClientSampleId :

Tgt Ion:168 Resp: 234420

Ion Ratio Lower Upper

168 100

99 65.1 53.0 79.6



#3

Chloromethane

Concen: Below Cal

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN079936.D

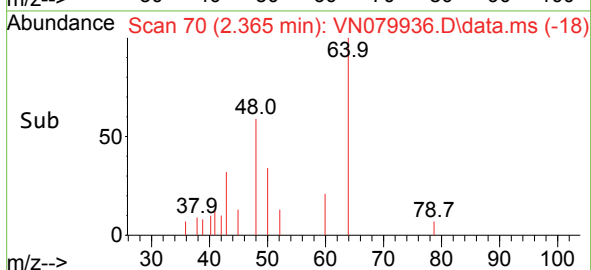
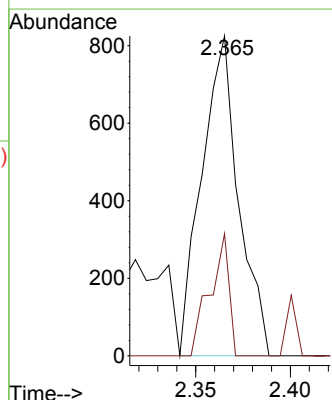
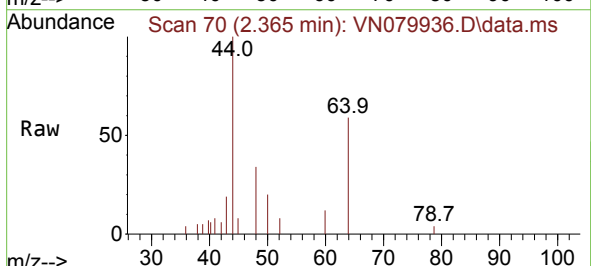
Acq: 06 Nov 2023 20:33

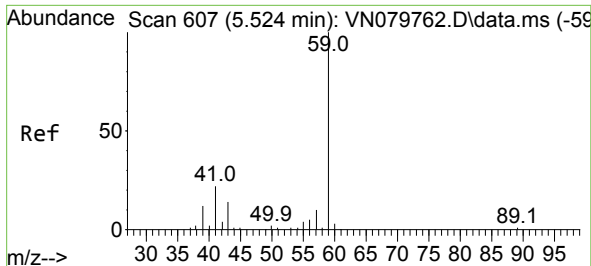
Tgt Ion: 50 Resp: 1115

Ion Ratio Lower Upper

50 100

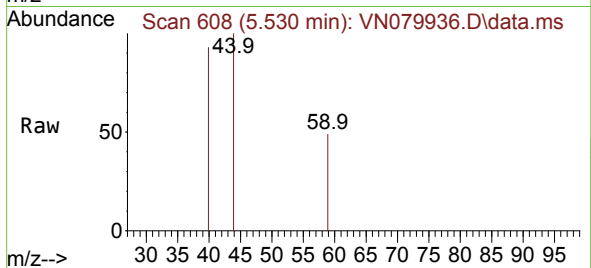
52 38.2 26.5 39.7



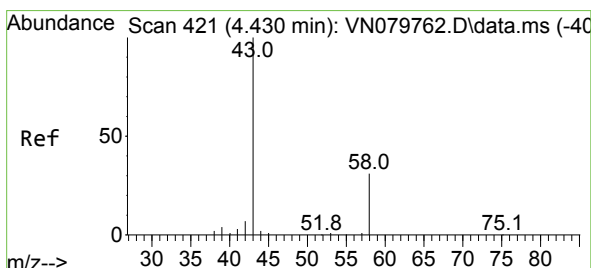
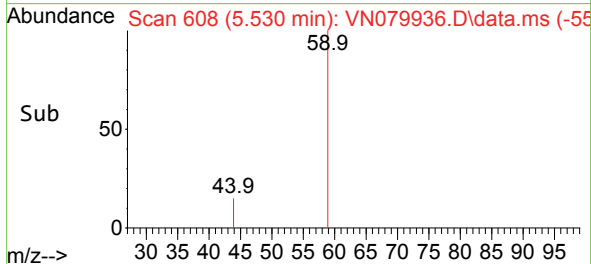
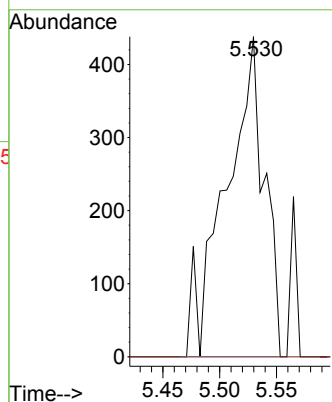


#11
Tert butyl alcohol
Concen: 2.268 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Instrument :
MSVOA_N
ClientSampleId :

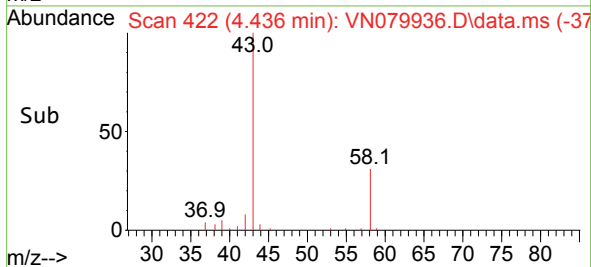
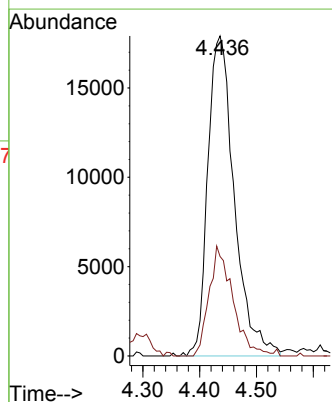
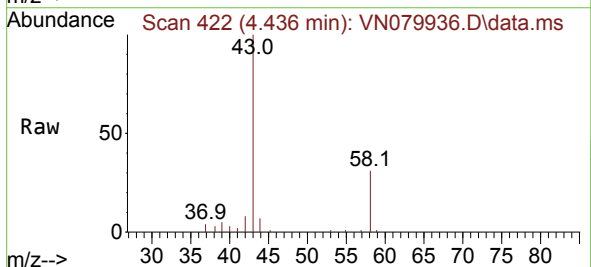


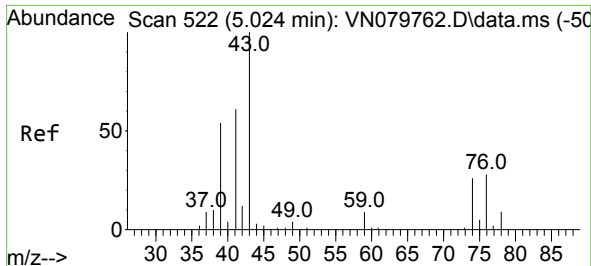
Tgt Ion: 59 Resp: 1034
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 46.269 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Tgt Ion: 43 Resp: 58045
Ion Ratio Lower Upper
43 100
58 31.1 28.0 42.0

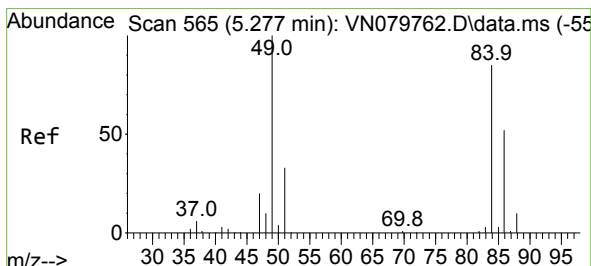
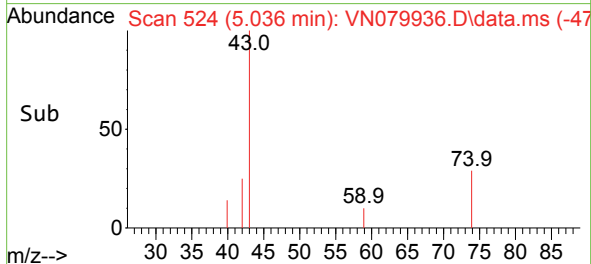
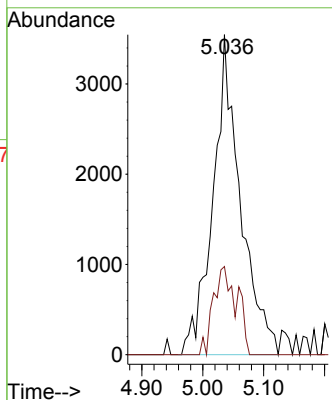
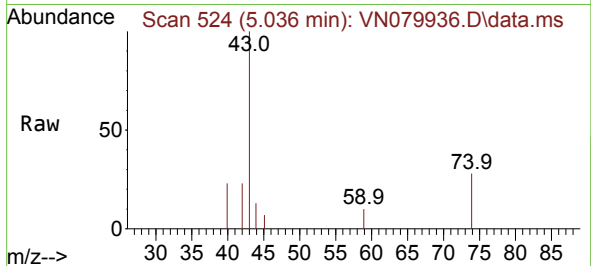




#18
Methyl Acetate
Concen: 1.855 ug/l
RT: 5.036 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

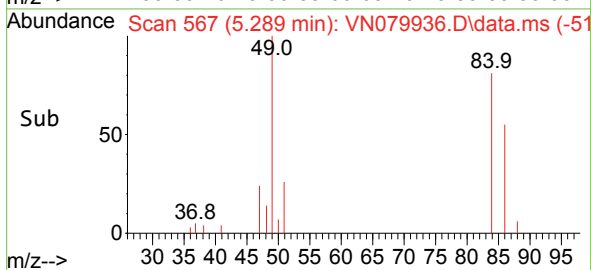
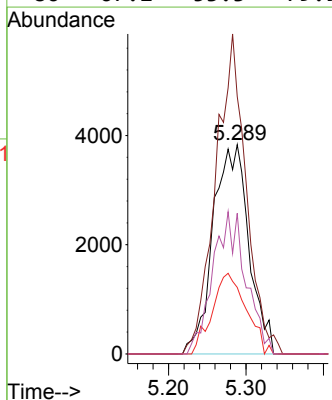
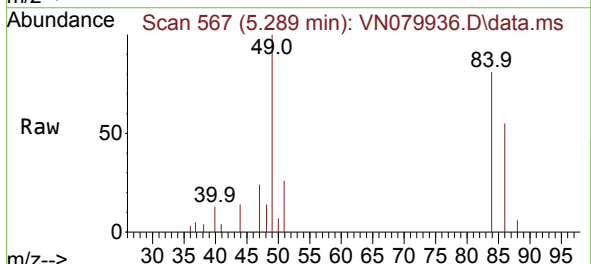
Instrument :
MSVOA_N
ClientSampleId :

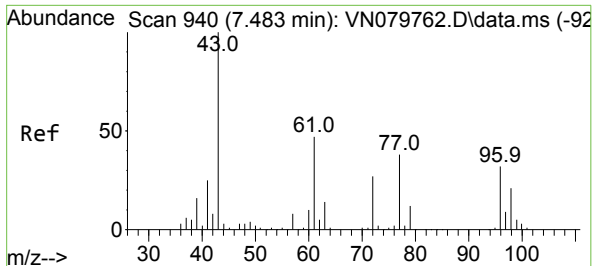
Tgt Ion: 43 Resp: 11133
Ion Ratio Lower Upper
43 100
74 18.4 26.2 39.4#



#20
Methylene Chloride
Concen: 3.877 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.018 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Tgt Ion: 84 Resp: 12272
Ion Ratio Lower Upper
84 100
49 123.0 79.7 119.5#
51 31.8 25.2 37.8
86 67.2 53.3 79.9

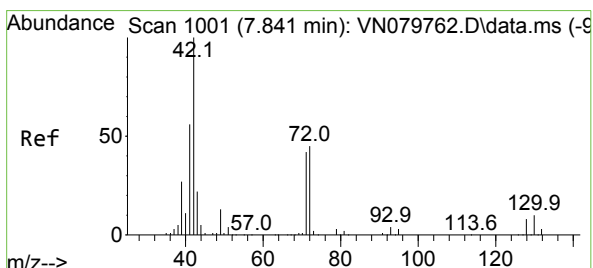
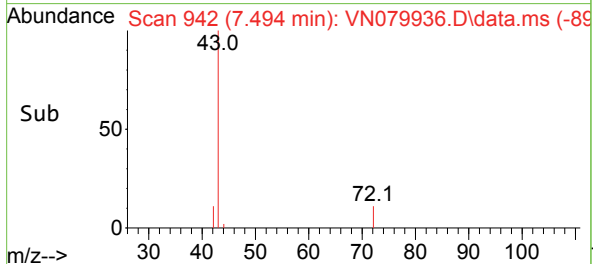
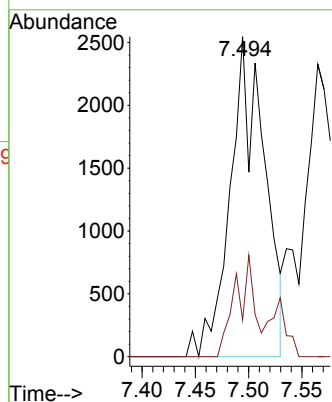
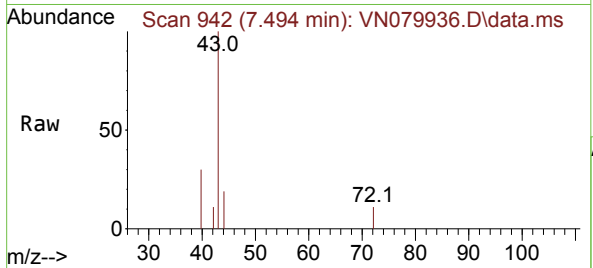




#25
2-Butanone
Concen: 3.095 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

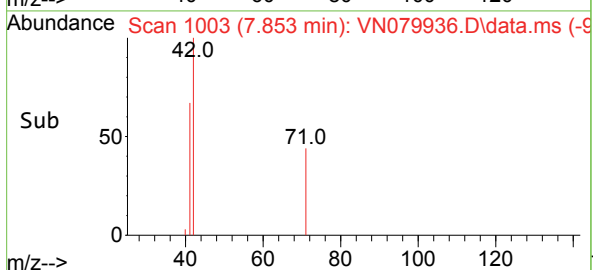
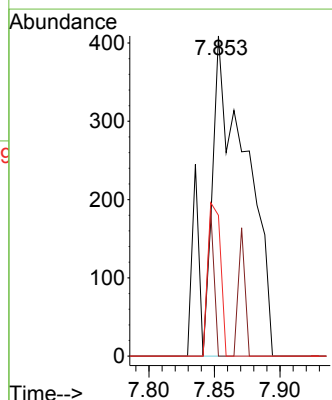
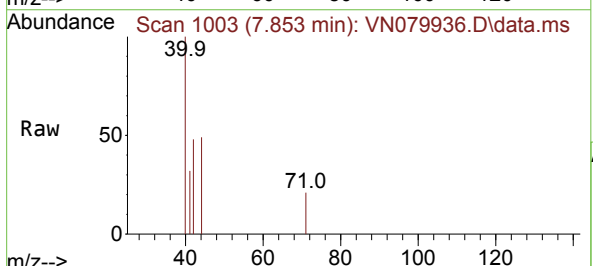
Instrument :
MSVOA_N
ClientSampleId :

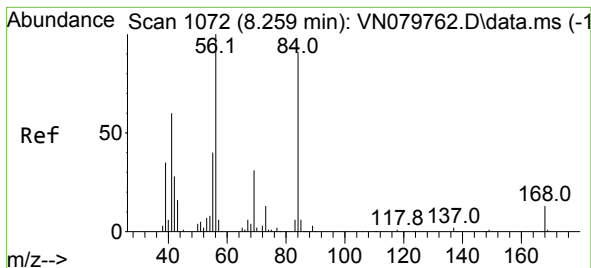
Tgt Ion: 43 Resp: 5685
Ion Ratio Lower Upper
43 100
72 11.5 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.671 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.012 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Tgt Ion: 42 Resp: 802
Ion Ratio Lower Upper
42 100
72 8.2 49.8 74.6#
71 16.6 47.4 71.2#





#31

Cyclohexane

Concen: 1.282 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.024 min

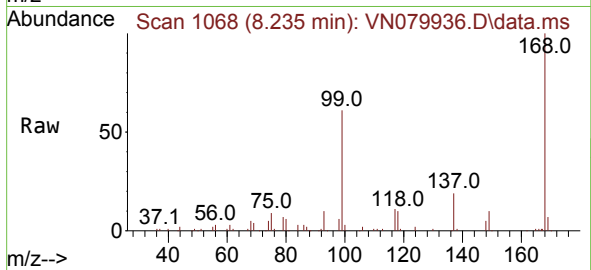
Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

Instrument :

MSVOA_N

ClientSampleId :



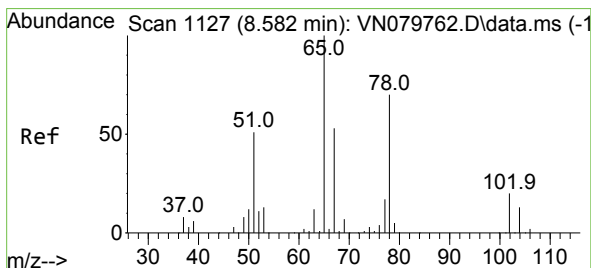
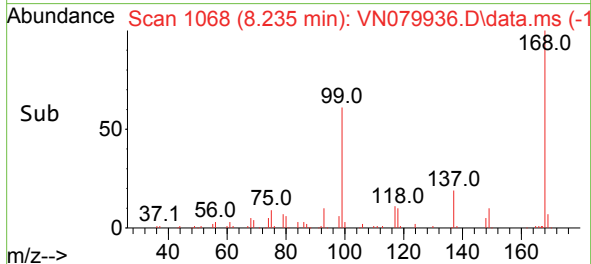
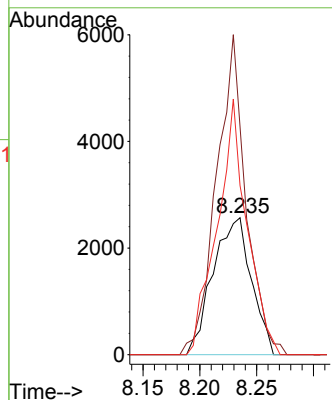
Tgt Ion: 56 Resp: 6050

Ion Ratio Lower Upper

56 100

69 166.4 26.8 40.2#

84 123.4 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 64.456 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079936.D

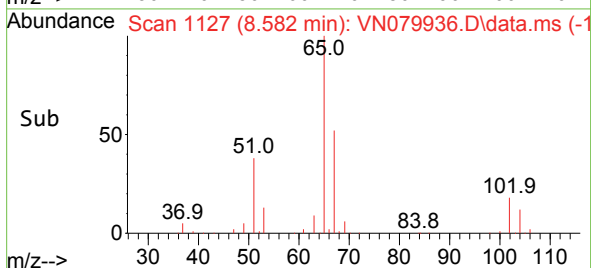
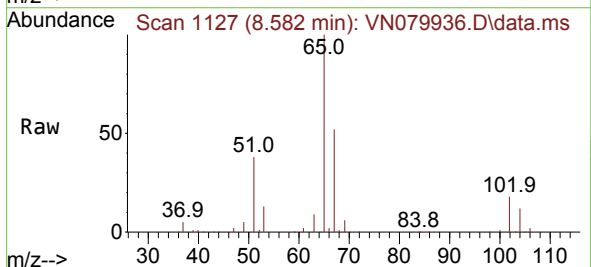
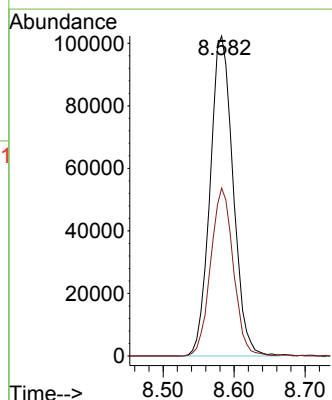
Acq: 06 Nov 2023 20:33

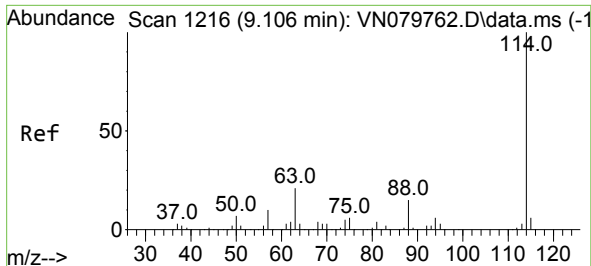
Tgt Ion: 65 Resp: 230201

Ion Ratio Lower Upper

65 100

67 51.6 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

Instrument :

MSVOA_N

ClientSampleId :

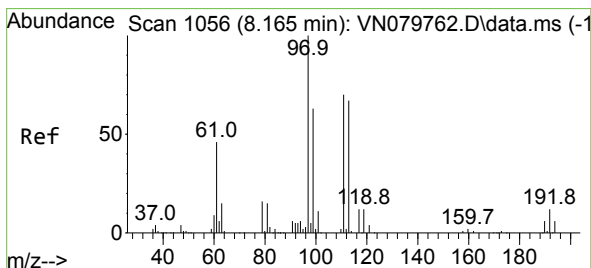
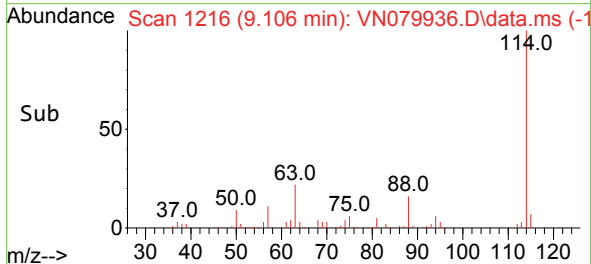
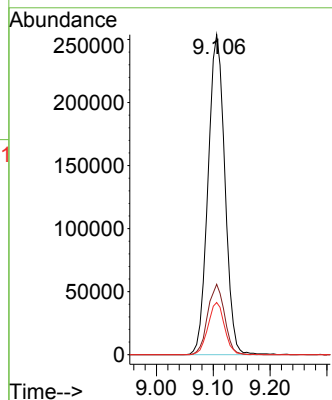
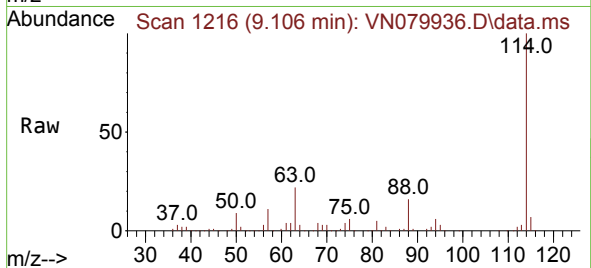
Tgt Ion:114 Resp: 519988

Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

88 16.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.014 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

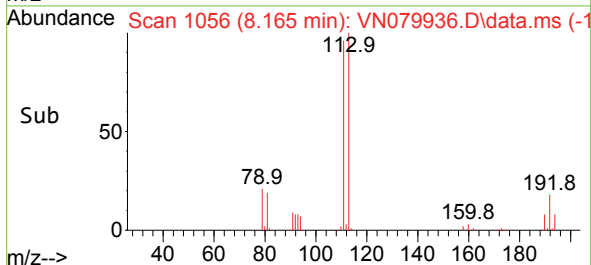
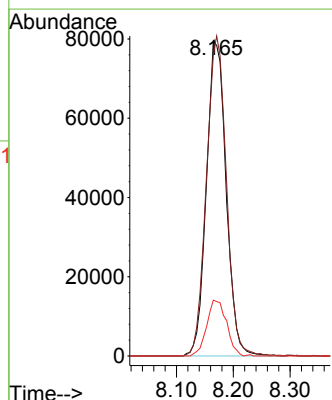
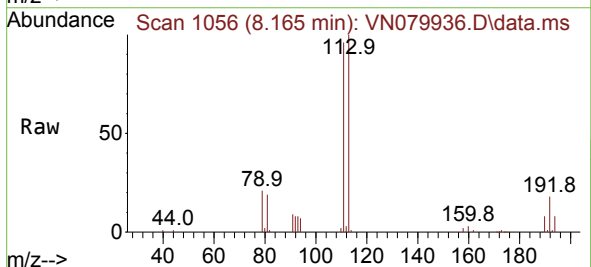
Tgt Ion:113 Resp: 191425

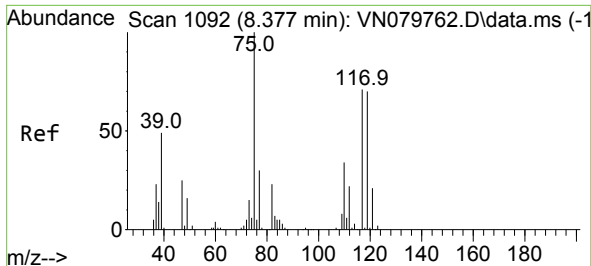
Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

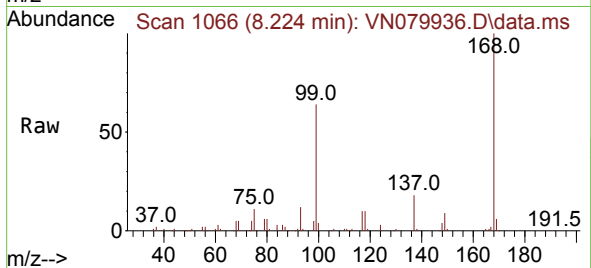
192 17.8 12.7 19.1



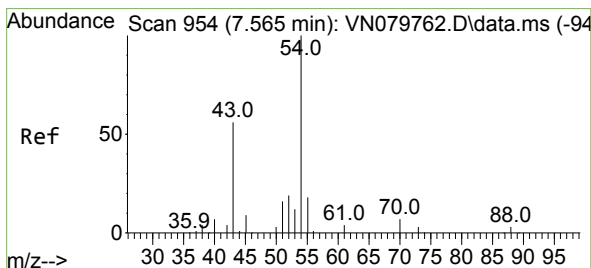
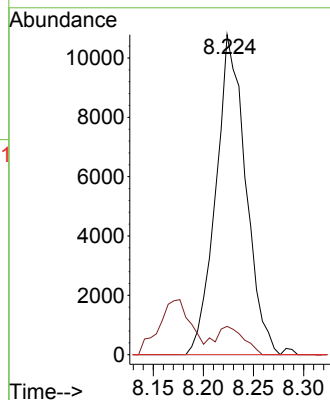
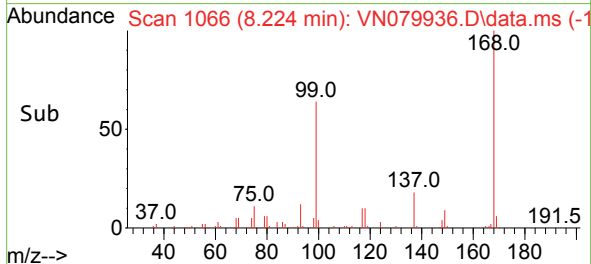


#36
1,1-Dichloropropene
Concen: 4.249 ug/l
RT: 8.224 min Scan# 1092
Delta R.T. -0.153 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Instrument :
MSVOA_N
ClientSampleId :

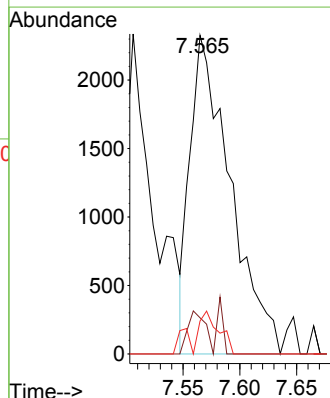
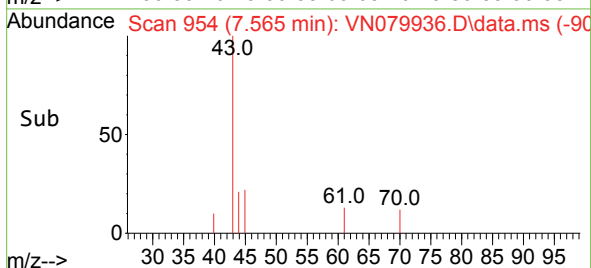
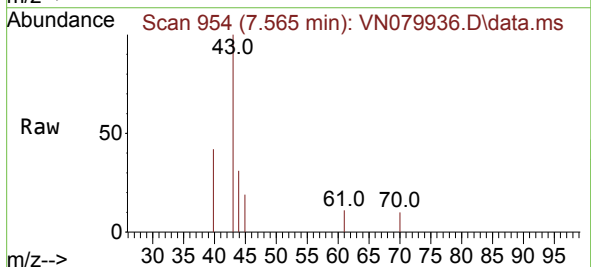


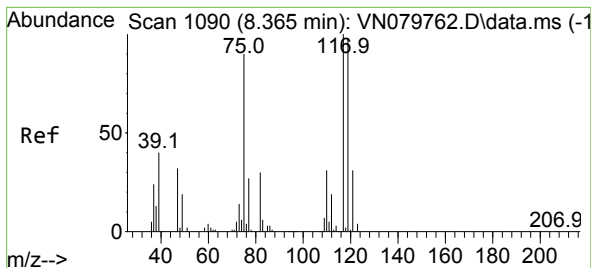
Tgt Ion: 75 Resp: 22329
Ion Ratio Lower Upper
75 100
110 7.0 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.190 ug/l
RT: 7.565 min Scan# 954
Delta R.T. 0.000 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Tgt Ion: 43 Resp: 5734
Ion Ratio Lower Upper
43 100
61 5.9 13.2 19.8#
70 6.6 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 5.073 ug/l

RT: 8.229 min Scan# 1107

Delta R.T. -0.129 min

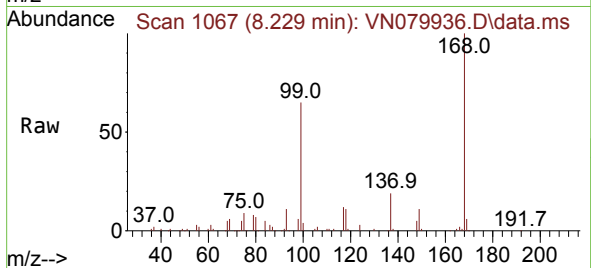
Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

Instrument :

MSVOA_N

ClientSampleId :



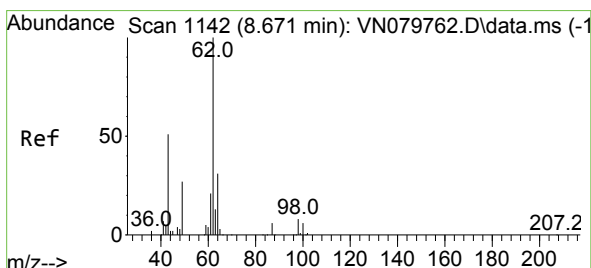
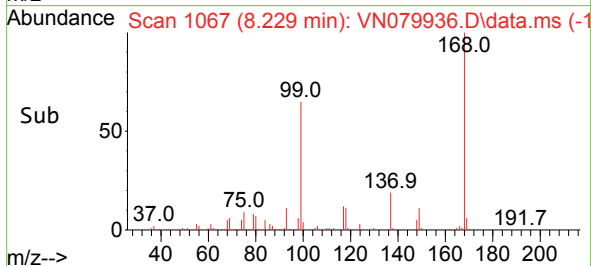
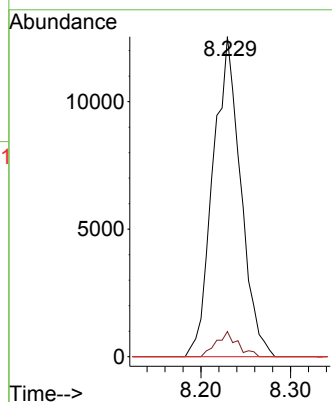
Tgt Ion:117 Resp: 26864

Ion Ratio Lower Upper

117 100

119 7.9 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.336 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.029 min

Lab File: VN079936.D

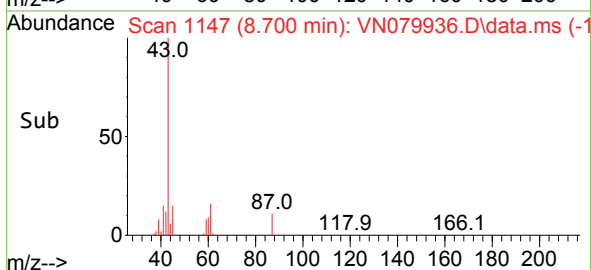
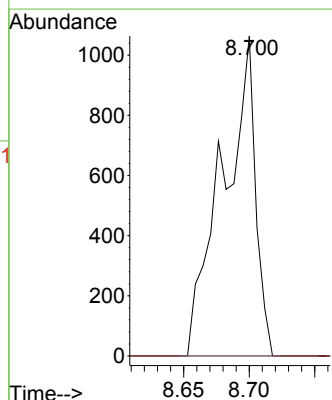
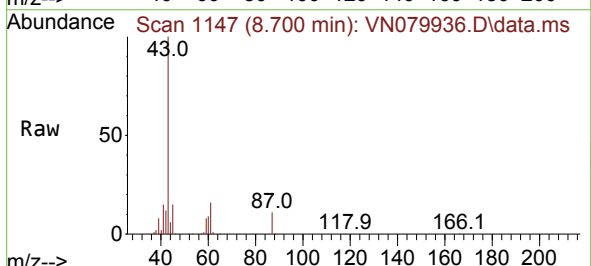
Acq: 06 Nov 2023 20:33

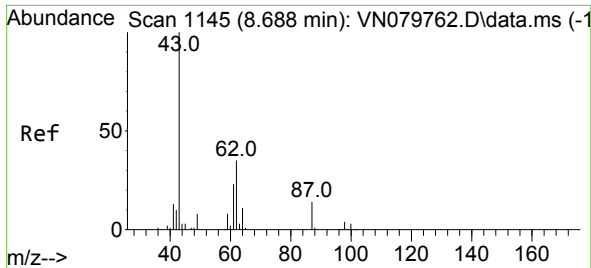
Tgt Ion: 62 Resp: 1846

Ion Ratio Lower Upper

62 100

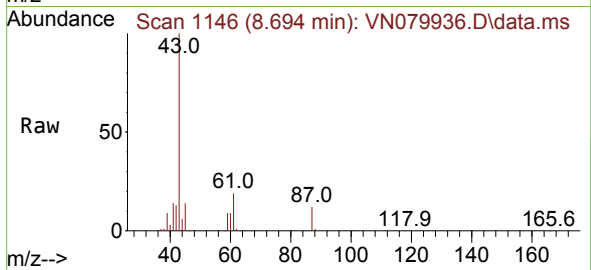
98 0.0 0.0 19.8



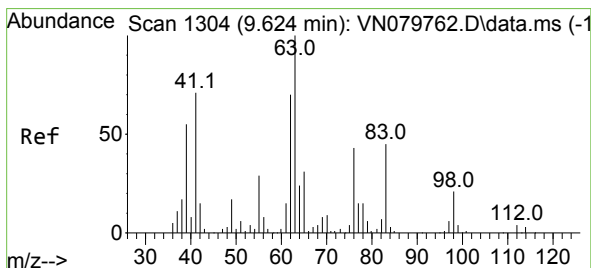
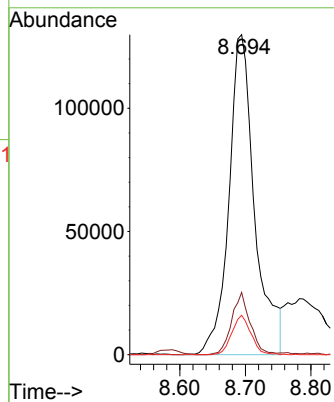
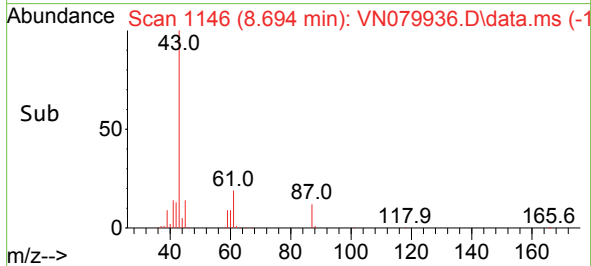


#43
Isopropyl Acetate
Concen: 42.100 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

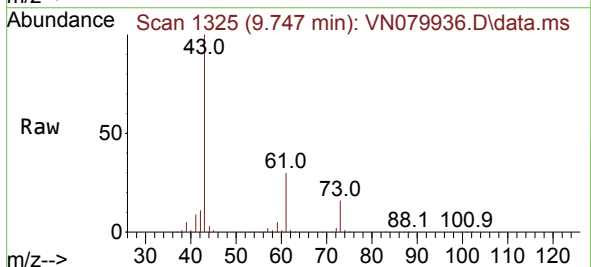
Instrument :
MSVOA_N
ClientSampleId :



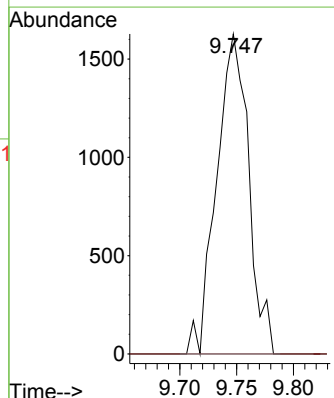
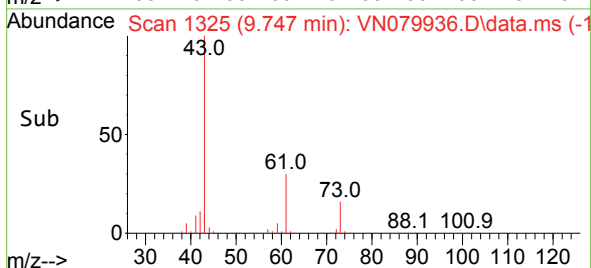
Tgt Ion: 43 Resp: 355808
Ion Ratio Lower Upper
43 100
61 14.0 24.7 37.1#
87 9.1 14.6 21.8#

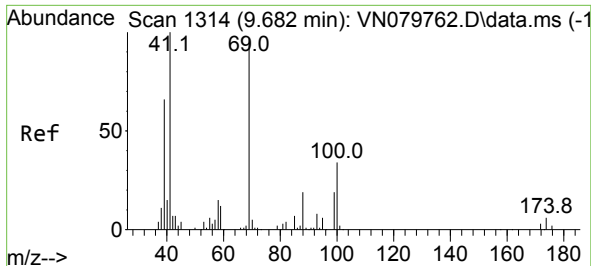


#45
1,2-Dichloropropane
Concen: 0.793 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.124 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33



Tgt Ion: 63 Resp: 3191
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 65.504 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.065 min

Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

Instrument :

MSVOA_N

ClientSampleId :

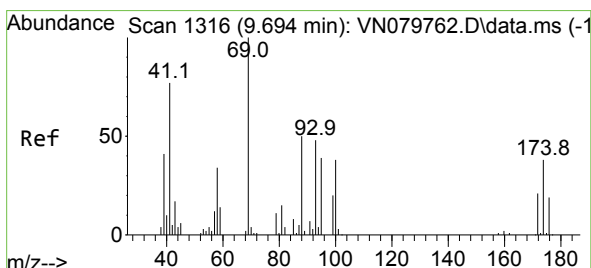
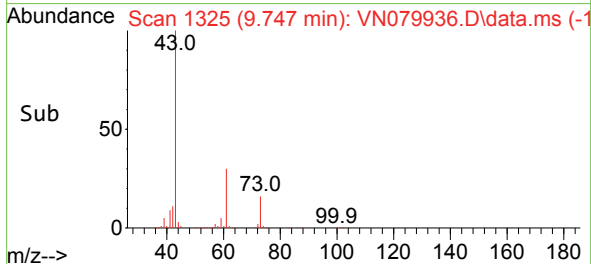
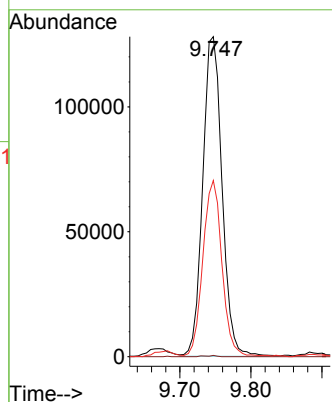
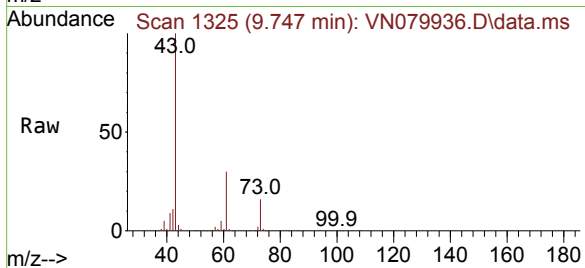
Tgt Ion: 41 Resp: 242489

Ion Ratio Lower Upper

41 100

69 0.2 90.4 135.6#

39 54.1 54.6 81.8#



#49

1,4-Dioxane

Concen: 4.984 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.053 min

Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

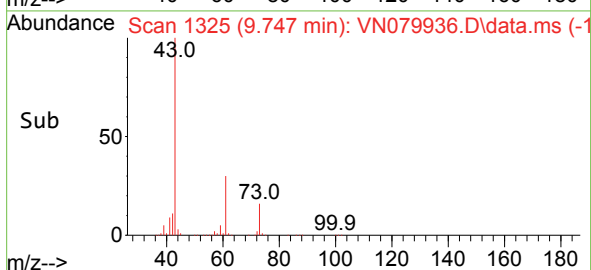
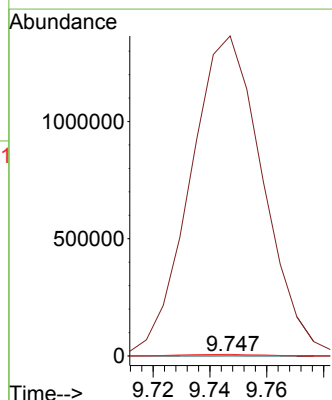
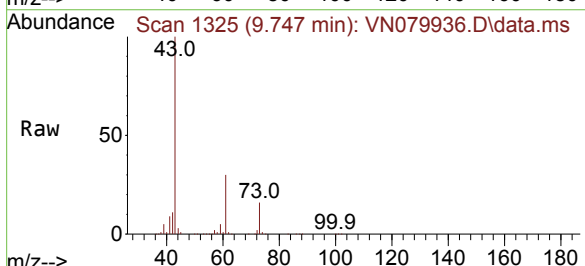
Tgt Ion: 88 Resp: 326

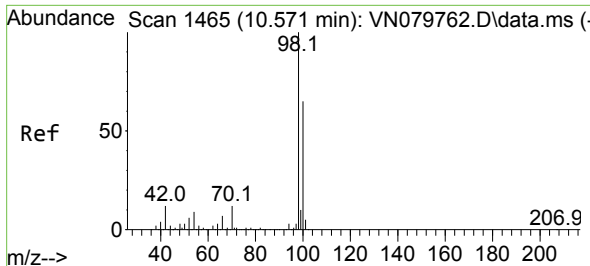
Ion Ratio Lower Upper

88 100

43 753024.2 17.0 25.6#

58 4127.6 47.0 70.4#

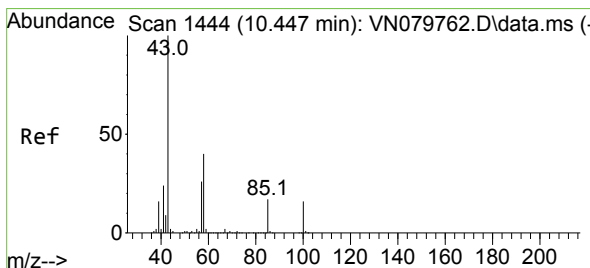
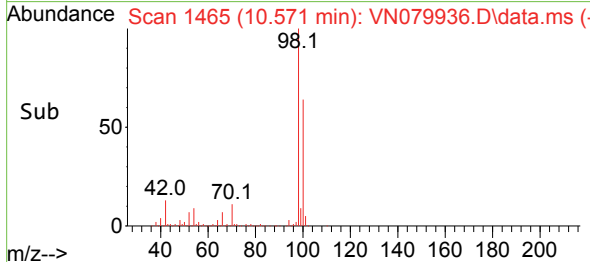
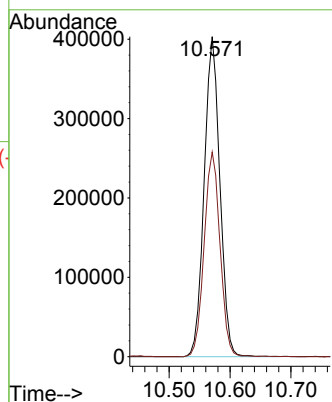
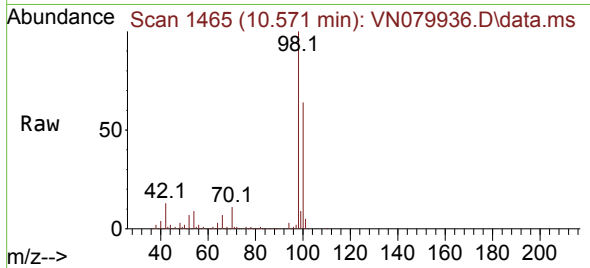




#50
Toluene-d8
Concen: 53.248 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

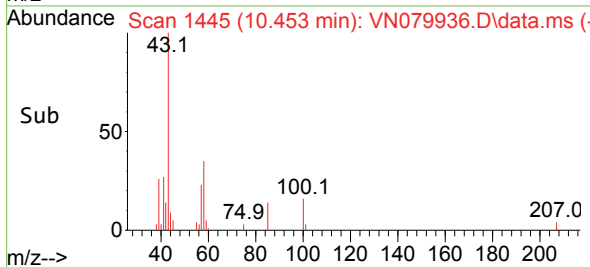
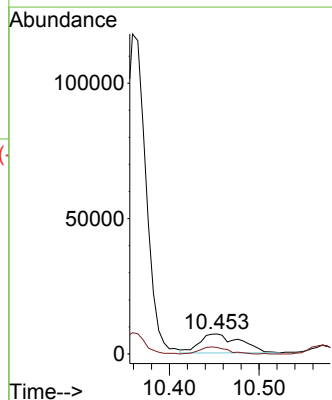
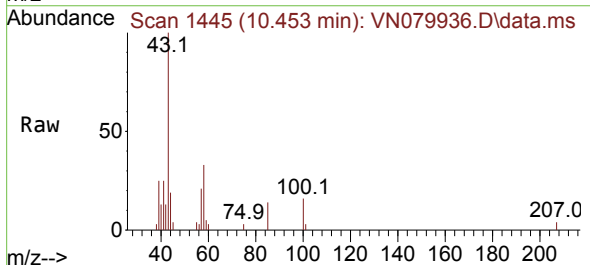
Instrument :
MSVOA_N
ClientSampleId :

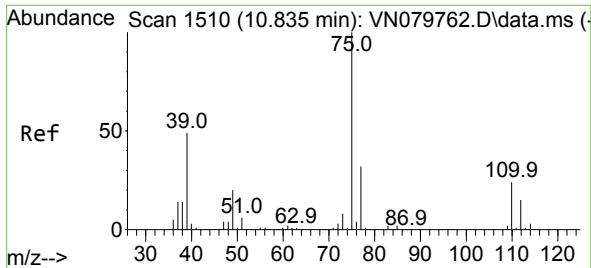
Tgt Ion: 98 Resp: 721428
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.688 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Tgt Ion: 43 Resp: 22308
Ion Ratio Lower Upper
43 100
58 25.0 36.6 54.8#

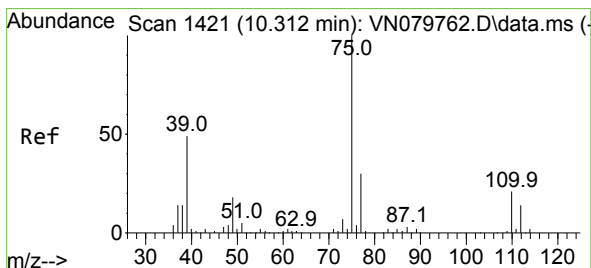
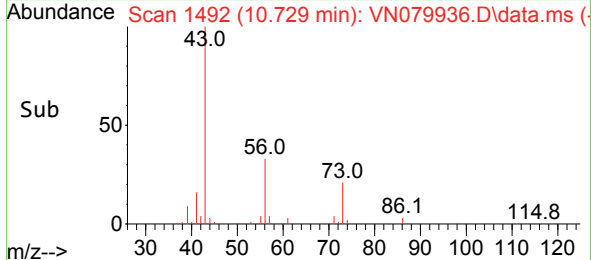
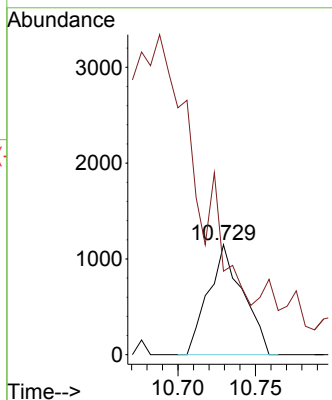
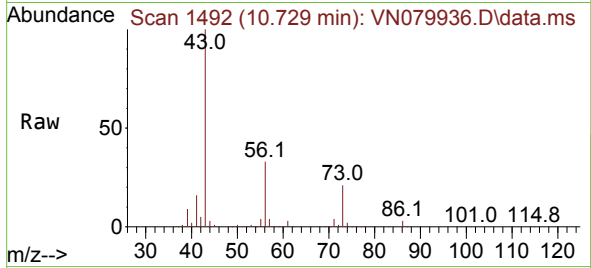




#53
 t-1,3-Dichloropropene
 Concen: 0.312 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN079936.D
 Acq: 06 Nov 2023 20:33

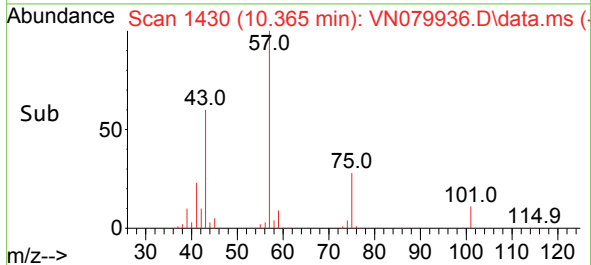
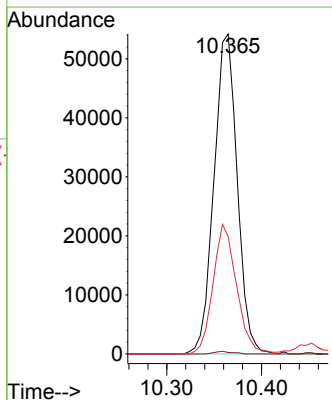
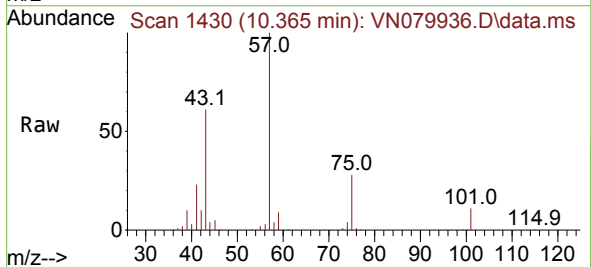
Instrument :
 MSVOA_N
 ClientSampleId :

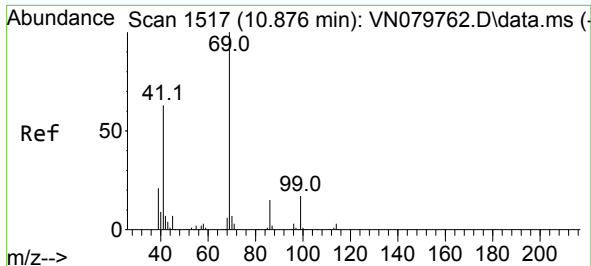
Tgt Ion: 75 Resp: 1789
 Ion Ratio Lower Upper
 75 100
 77 35.8 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 14.774 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079936.D
 Acq: 06 Nov 2023 20:33

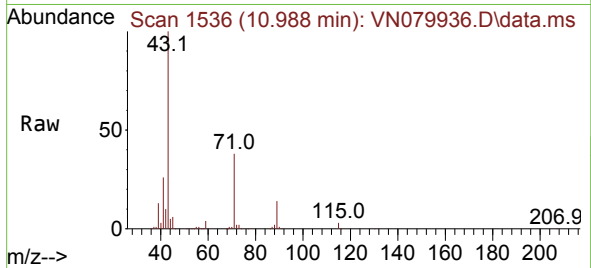
Tgt Ion: 75 Resp: 92464
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.1 39.1#
 39 36.7 31.6 47.4



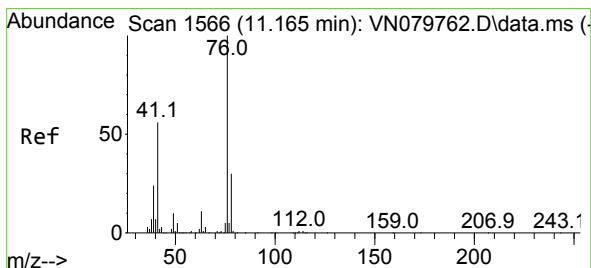
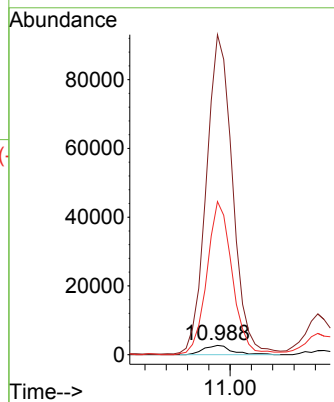
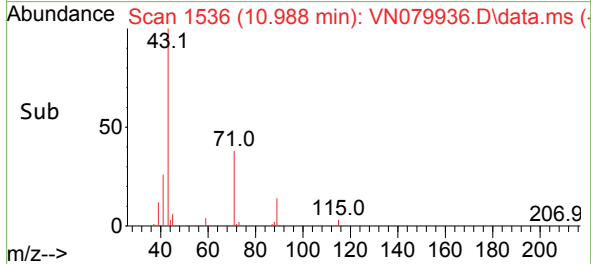


#56
Ethyl methacrylate
Concen: 0.930 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Instrument :
MSVOA_N
ClientSampleId :

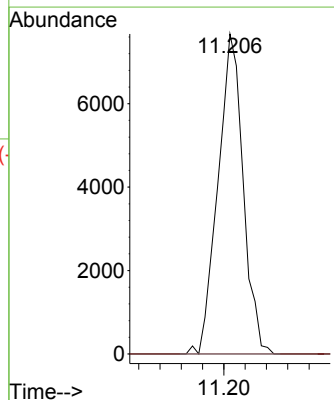
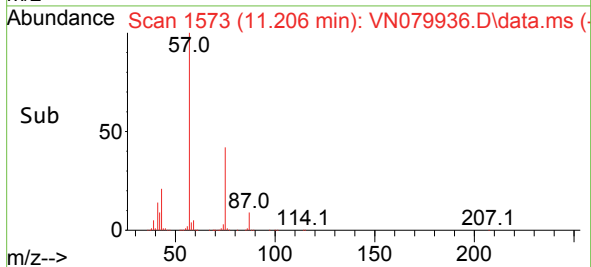
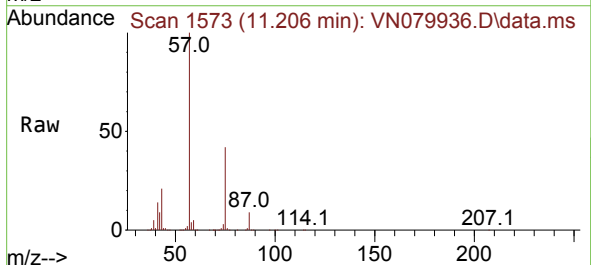


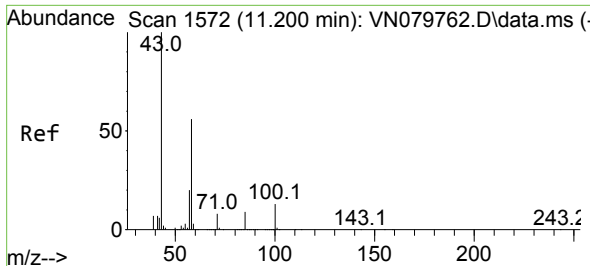
Tgt Ion: 69 Resp: 4980
Ion Ratio Lower Upper
69 100
41 3188.9 39.6 59.4#
39 1480.7 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.899 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Tgt Ion: 76 Resp: 12565
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

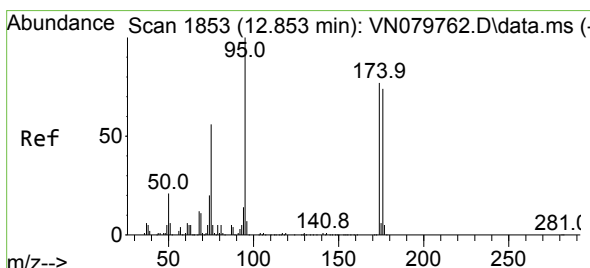
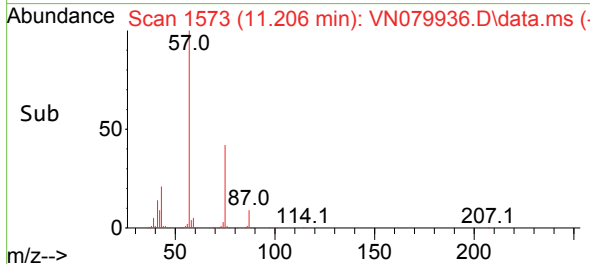
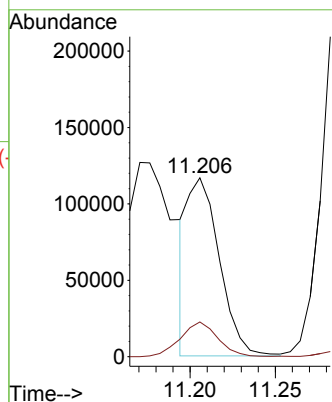
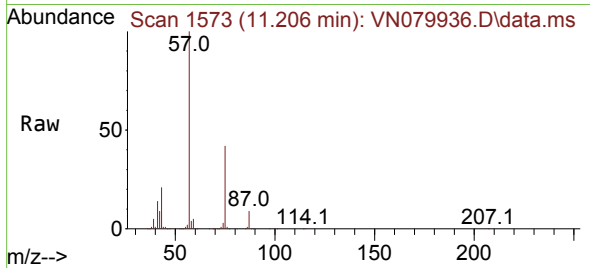




#59
2-Hexanone
Concen: 41.893 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

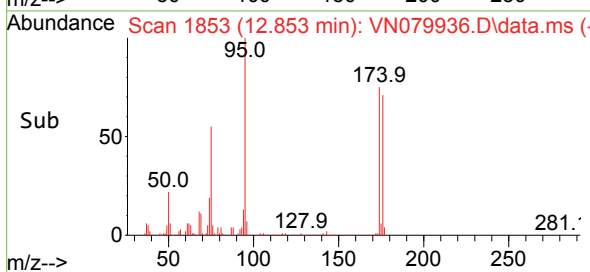
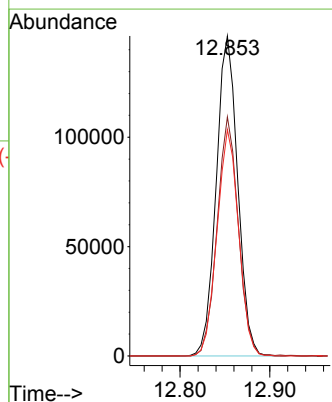
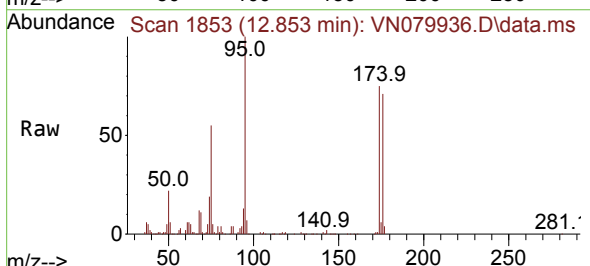
Instrument :
MSVOA_N
ClientSampleId :

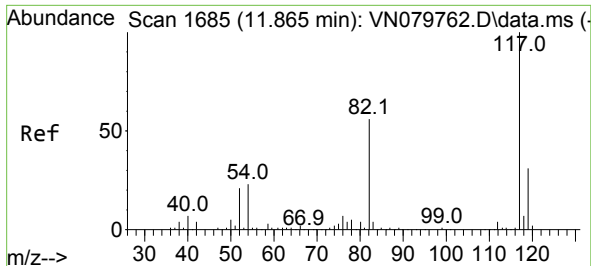
Tgt Ion: 43 Resp: 152489
Ion Ratio Lower Upper
43 100
58 22.8 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 54.116 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

Tgt Ion: 95 Resp: 243163
Ion Ratio Lower Upper
95 100
174 73.7 0.0 143.8
176 70.9 0.0 135.8

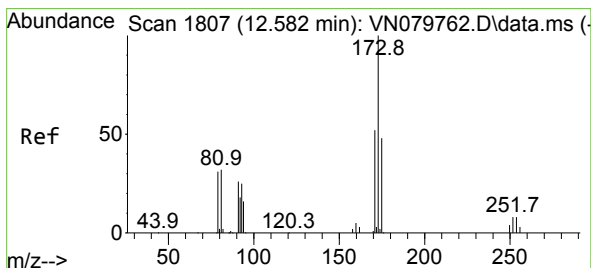
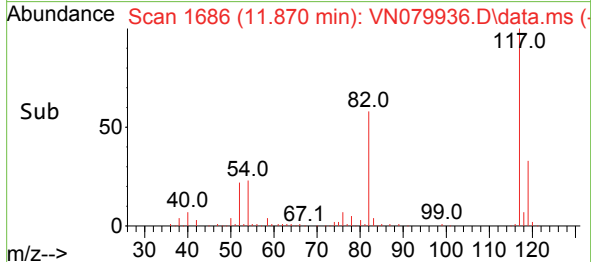
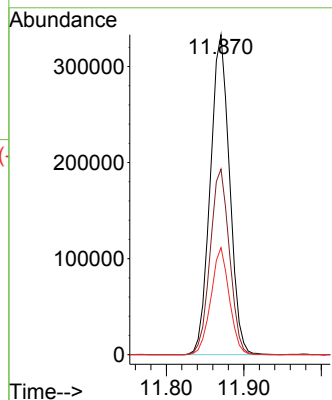
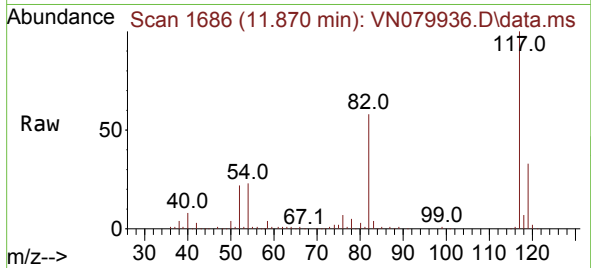




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

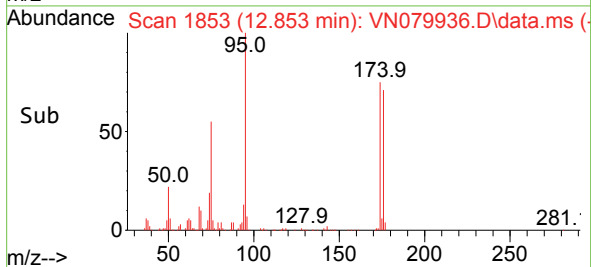
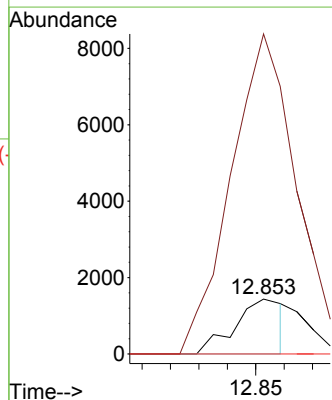
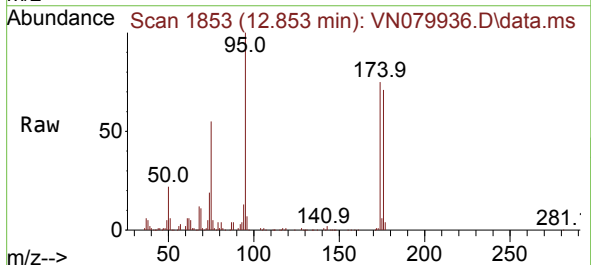
Instrument :
MSVOA_N
ClientSampleId :

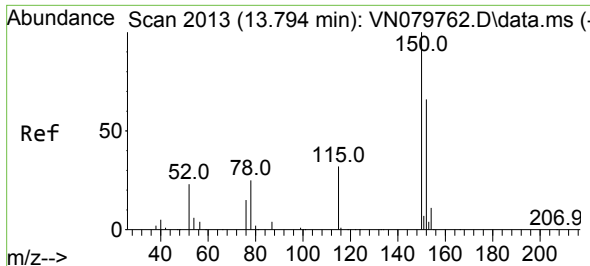
Tgt Ion:117 Resp: 575642
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 33.4 25.6 38.4



#71
Bromoform
Concen: 0.538 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

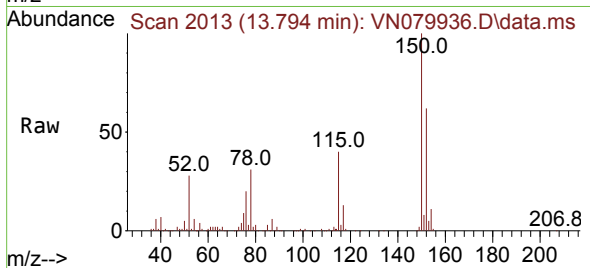
Tgt Ion:173 Resp: 1720
Ion Ratio Lower Upper
173 100
175 613.0 24.3 73.0#
254 0.0 0.0 0.0



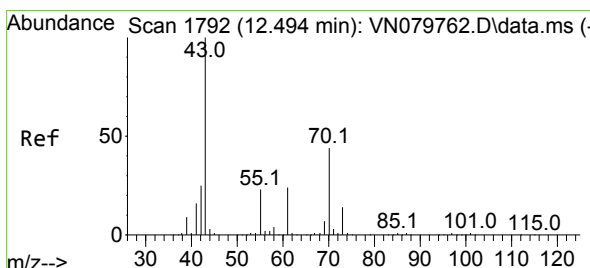
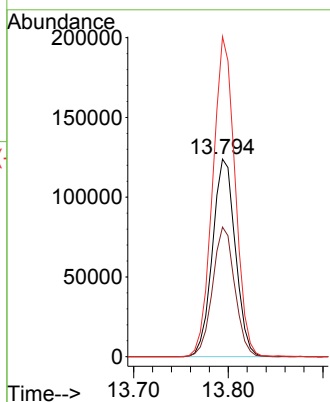
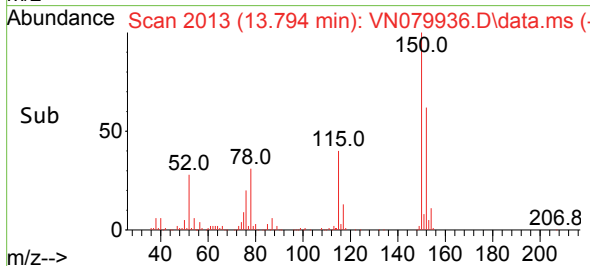


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33

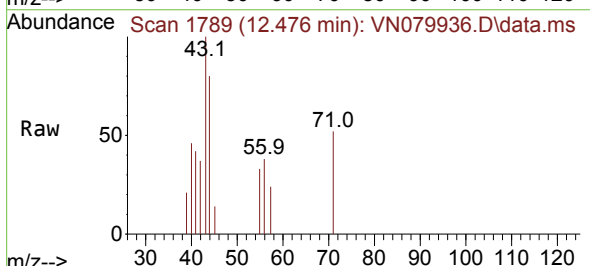
Instrument :
MSVOA_N
ClientSampleId :



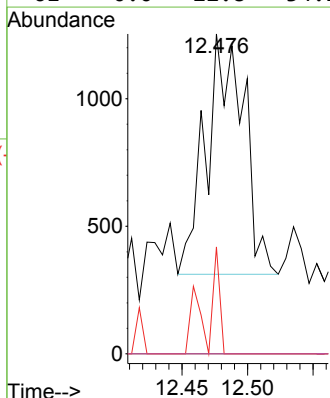
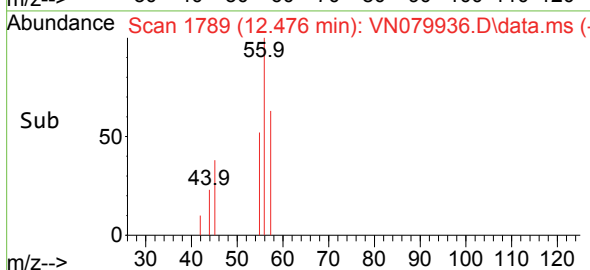
Tgt Ion:152 Resp: 208024
Ion Ratio Lower Upper
152 100
115 63.8 32.3 96.8
150 158.2 0.0 355.8

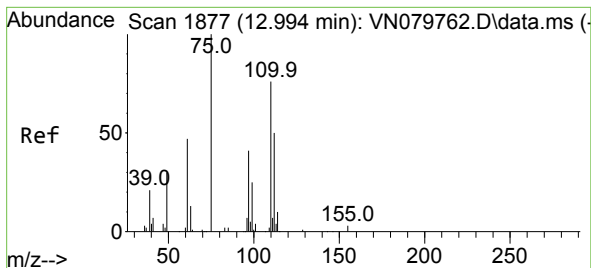


#74
N-ethyl acetate
Concen: 0.275 ug/l
RT: 12.476 min Scan# 1789
Delta R.T. -0.018 min
Lab File: VN079936.D
Acq: 06 Nov 2023 20:33



Tgt Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 7.8 21.4 32.0#
61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 27.563 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

Instrument :

MSVOA_N

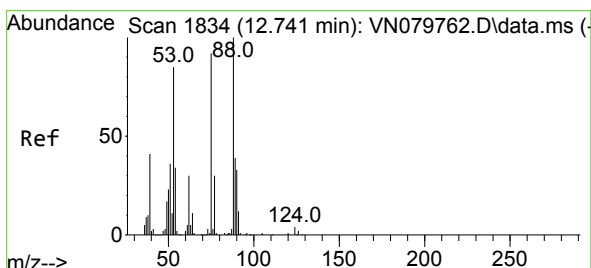
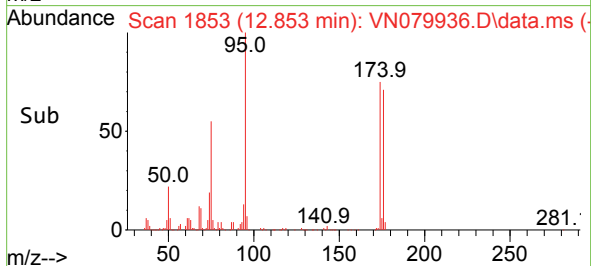
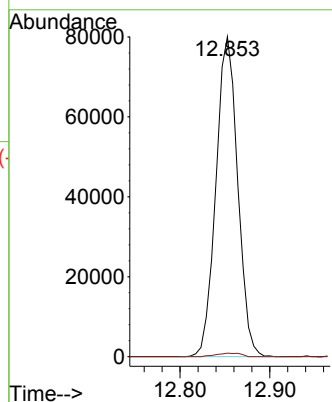
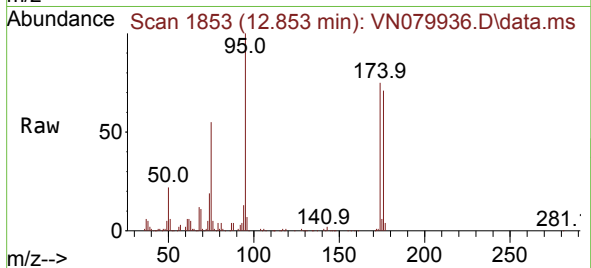
ClientSampleId :

Tgt Ion: 75 Resp: 134614

Ion Ratio Lower Upper

75 100

77 1.3 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.994 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN079936.D

Acq: 06 Nov 2023 20:33

Tgt Ion: 75 Resp: 134614

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

