

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
 Data File : VN079556.D
 Acq On : 12 Oct 2023 19:35
 Operator : JC\MD
 Sample : PB156319ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 13 01:25:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

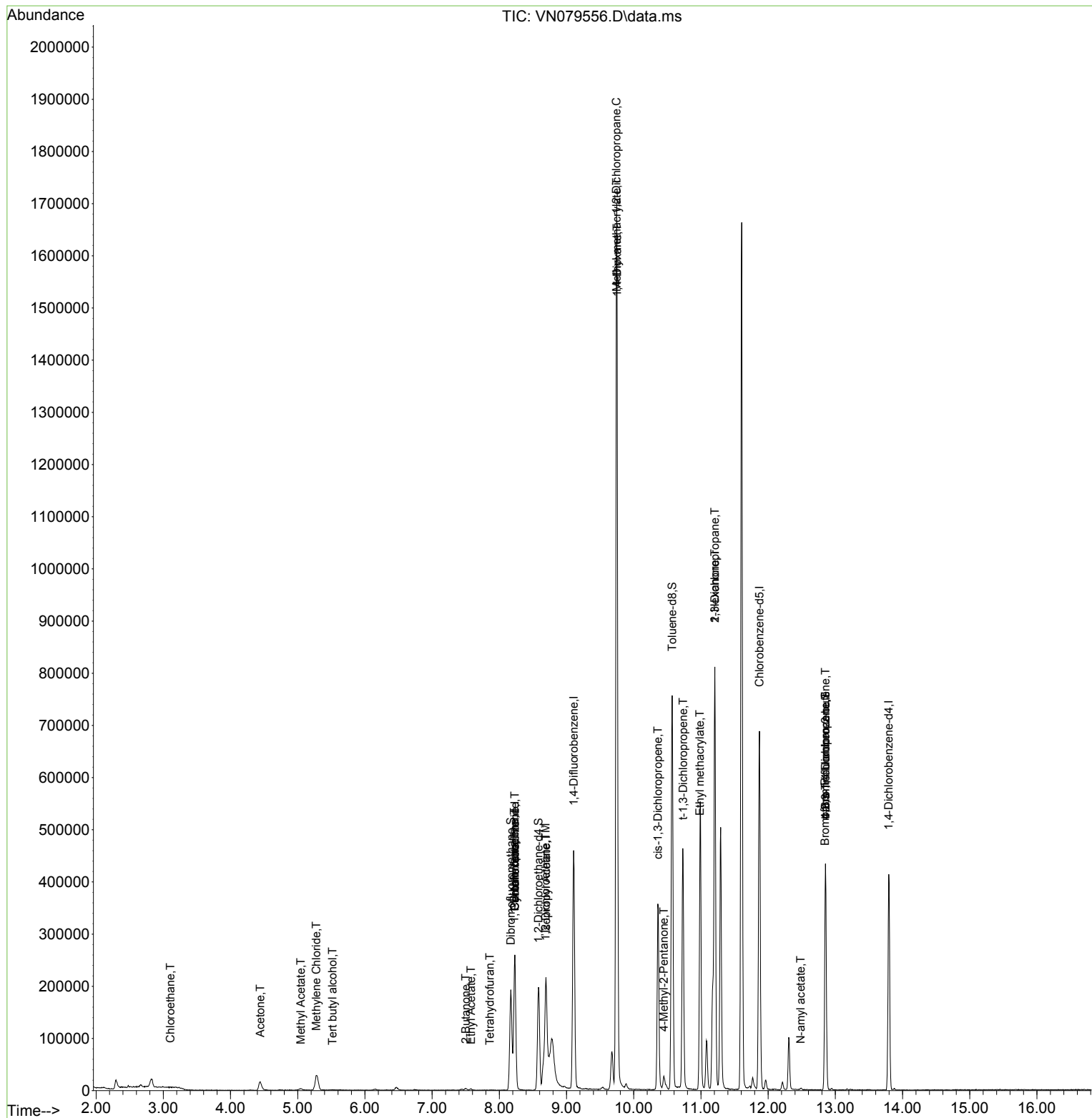
Internal Standards						
1) Pentafluorobenzene	8.230	168	177869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	382313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	381601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	104315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	164266	56.958	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.920%			
35) Dibromofluoromethane	8.171	113	135012	49.141	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.280%			
50) Toluene-d8	10.571	98	510689	51.372	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.740%			
62) 4-Bromofluorobenzene	12.853	95	145182	45.508	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.020%			
Target Compounds						Qvalue
6) Chloroethane	3.107	64	790	0.317	ug/l #	43
11) Tert butyl alcohol	5.518	59	248	0.571	ug/l #	72
16) Acetone	4.442	43	32663	28.554	ug/l	90
18) Methyl Acetate	5.048	43	6918	1.236	ug/l #	59
20) Methylene Chloride	5.277	84	22945	8.662	ug/l #	84
25) 2-Butanone	7.500	43	6097	3.591	ug/l #	60
29) Tetrahydrofuran	7.859	42	384	0.350	ug/l #	20
31) Cyclohexane	8.230	56	4630	1.132	ug/l #	18
36) 1,1-Dichloropropene	8.224	75	16319	3.958	ug/l #	47
37) Ethyl Acetate	7.577	43	4602	1.122	ug/l #	79
38) Carbon Tetrachloride	8.230	117	19610	4.750	ug/l #	18
42) 1,2-Dichloroethane	8.688	62	1433	0.322	ug/l #	73
43) Isopropyl Acetate	8.694	43	281424	39.150	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	2115	0.655	ug/l #	45
48) Methyl methacrylate	9.747	41	162939	52.896	ug/l #	28
49) 1,4-Dioxane	9.753	88	125	2.203	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	23627	5.823	ug/l #	71
53) t-1,3-Dichloropropene	10.735	75	923	0.213	ug/l	92
54) cis-1,3-Dichloropropene	10.359	75	59249	12.494	ug/l #	73
56) Ethyl methacrylate	10.982	69	2795	0.703	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8508	1.703	ug/l #	42
59) 2-Hexanone	11.206	43	99247	33.894	ug/l #	48
71) Bromoform	12.847	173	787	0.346	ug/l #	1
74) N-amyl acetate	12.482	43	1524	0.383	ug/l #	39
75) 1,1,2,2-Tetrachloroethane	12.971	83	55	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	79300	26.366	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	79300	76.501	ug/l #	15

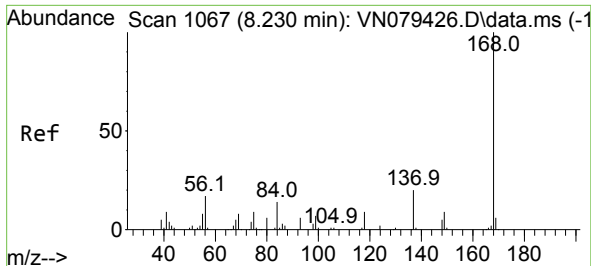
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101223\
Data File : VN079556.D
Acq On : 12 Oct 2023 19:35
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ALS Vial : 22 Sample Multiplier: 1

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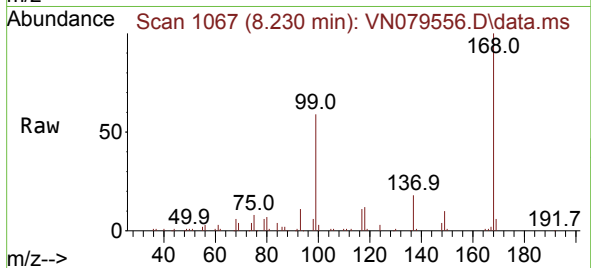
Quant Time: Oct 13 01:25:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
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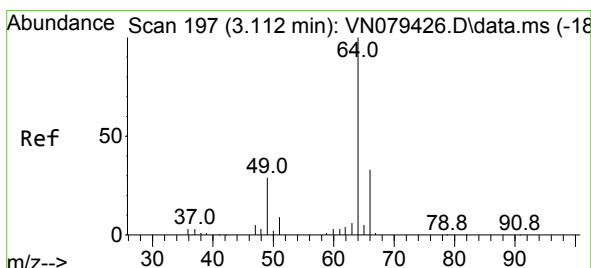
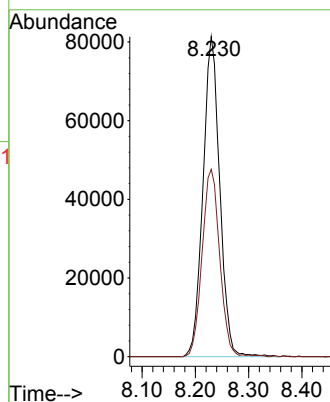
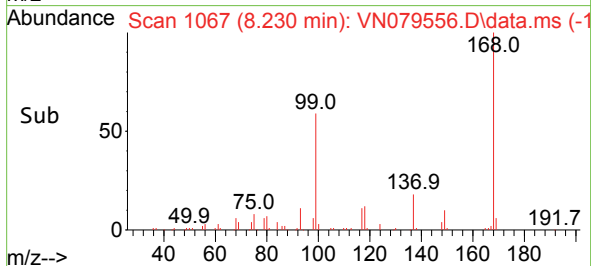


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Instrument :
MSVOA_N
ClientSampleId :

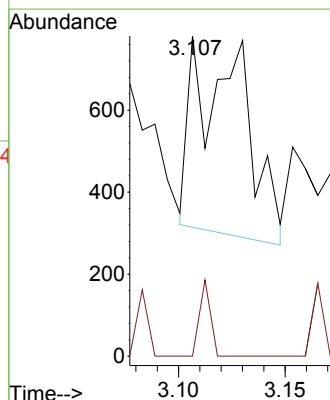
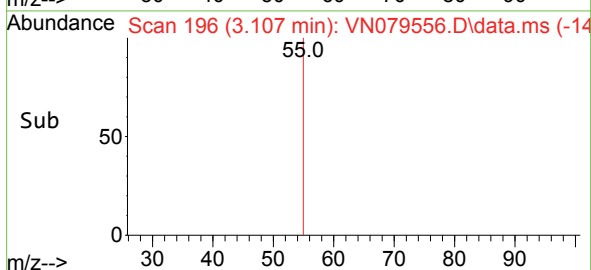
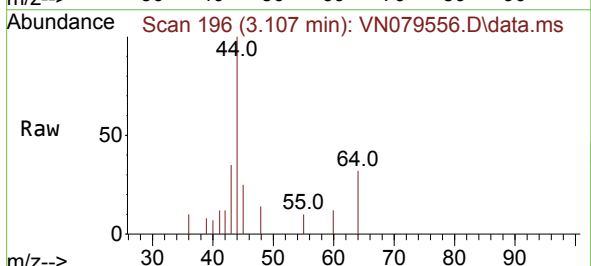


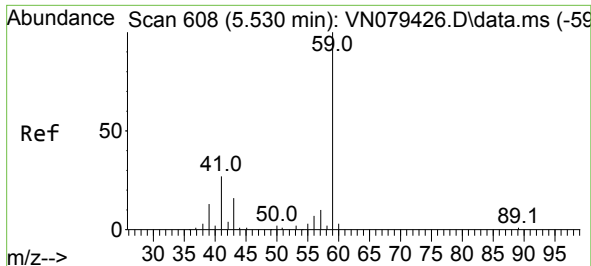
Tgt Ion:168 Resp: 177869
Ion Ratio Lower Upper
168 100
99 58.6 53.0 79.6



#6
Chloroethane
Concen: 0.317 ug/l
RT: 3.107 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

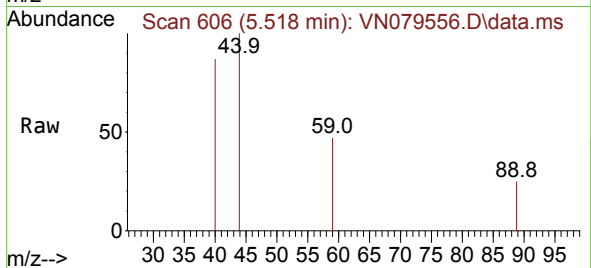
Tgt Ion: 64 Resp: 790
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



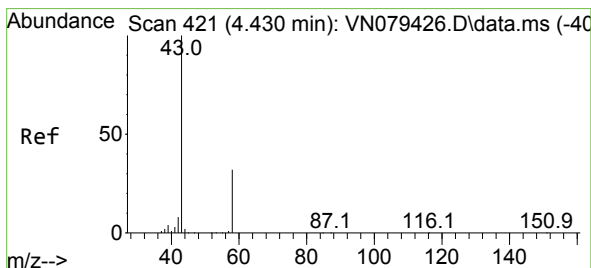
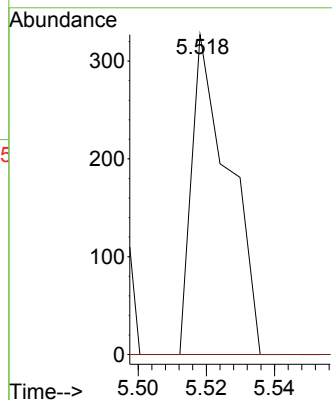
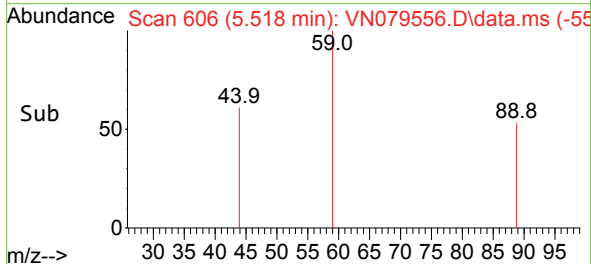


#11
Tert butyl alcohol
Concen: 0.571 ug/l
RT: 5.518 min Scan# 608
Delta R.T. -0.012 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Instrument :
MSVOA_N
ClientSampleId :

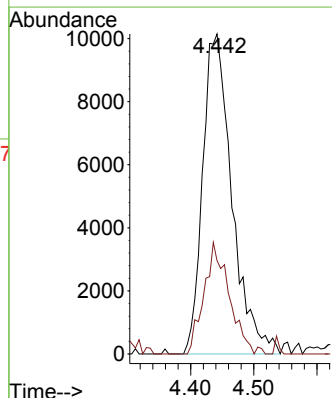
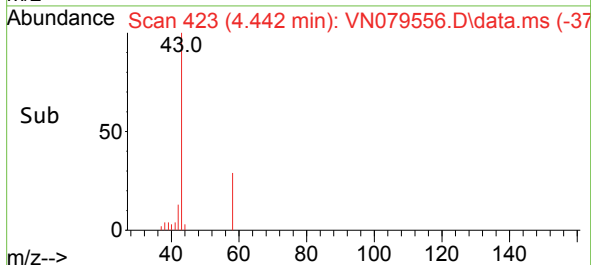
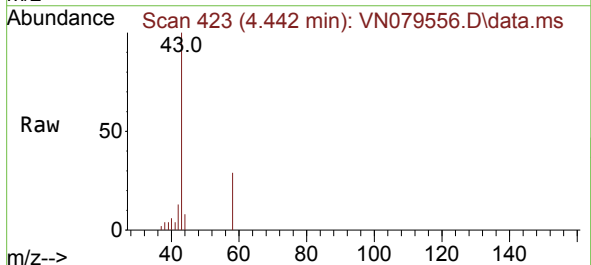


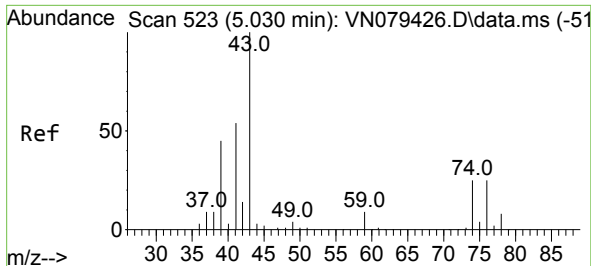
Tgt Ion: 59 Resp: 248
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 28.554 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Tgt Ion: 43 Resp: 32663
Ion Ratio Lower Upper
43 100
58 29.2 28.0 42.0

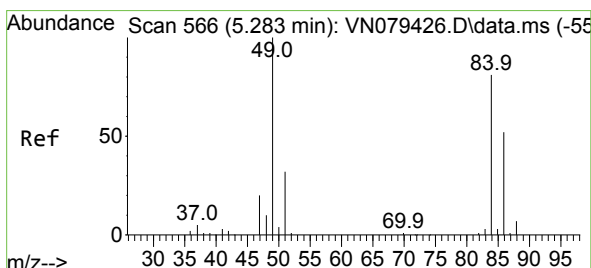
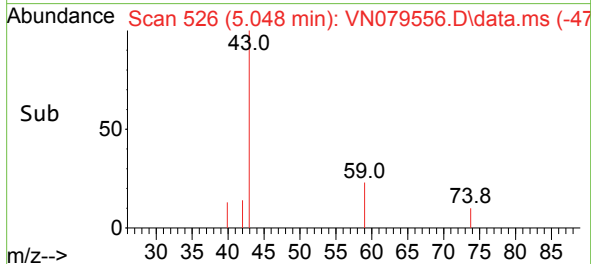
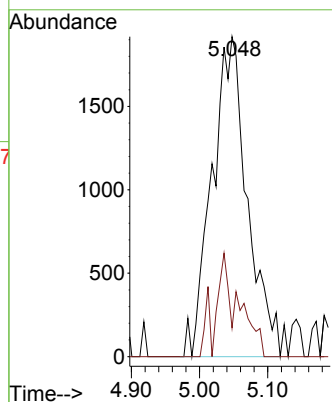
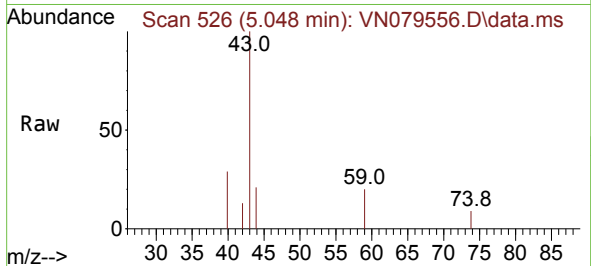




#18
Methyl Acetate
Concen: 1.236 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

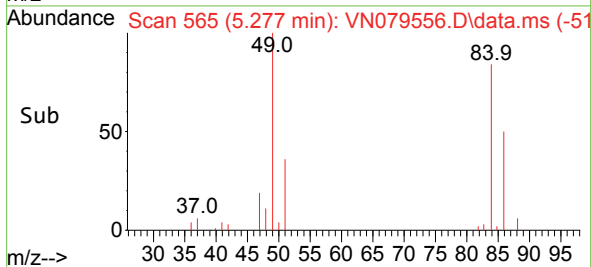
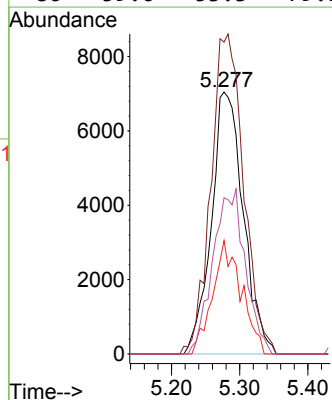
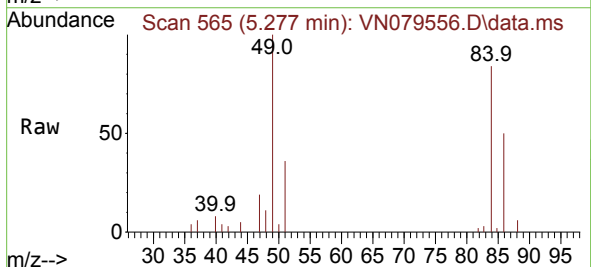
Instrument :
MSVOA_N
ClientSampleId :

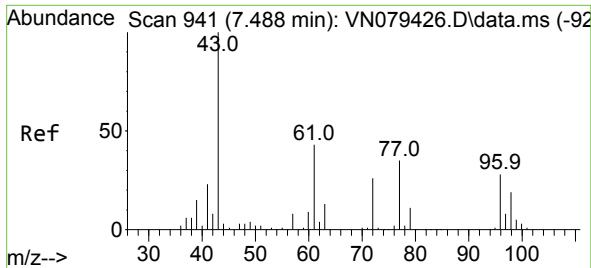
Tgt Ion: 43 Resp: 6918
Ion Ratio Lower Upper
43 100
74 9.8 26.2 39.4#



#20
Methylene Chloride
Concen: 8.662 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Tgt Ion: 84 Resp: 22945
Ion Ratio Lower Upper
84 100
49 119.0 79.7 119.5
51 43.3 25.2 37.8#
86 59.6 53.3 79.9

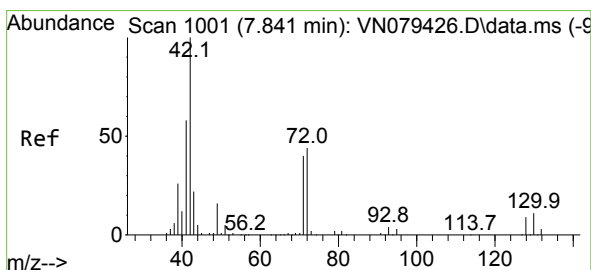
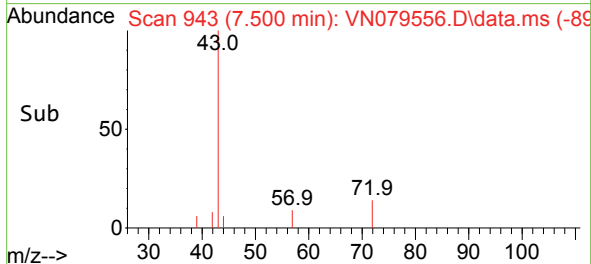
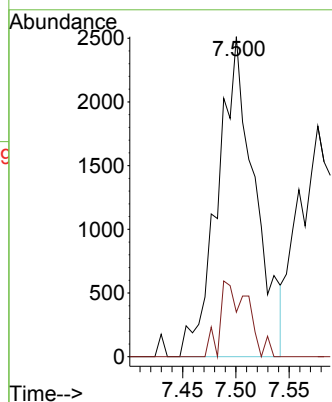
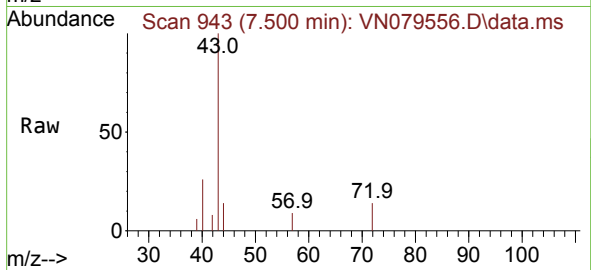




#25
2-Butanone
Concen: 3.591 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

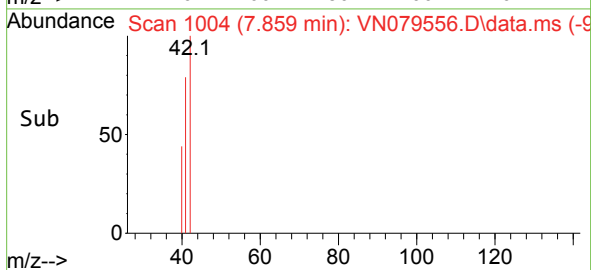
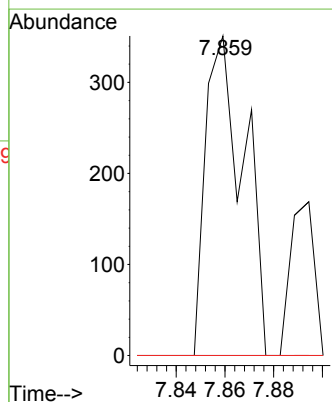
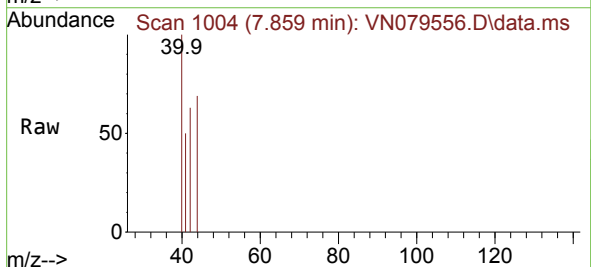
Instrument :
MSVOA_N
ClientSampleId :

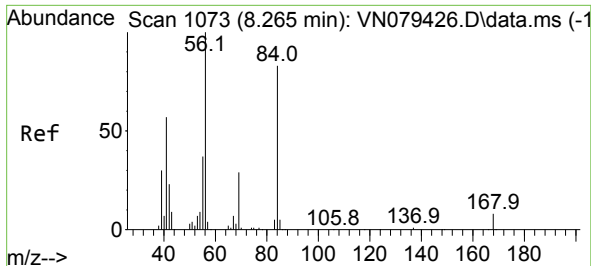
Tgt Ion: 43 Resp: 6097
Ion Ratio Lower Upper
43 100
72 13.9 30.2 45.2#



#29
Tetrahydrofuran
Concen: 0.350 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

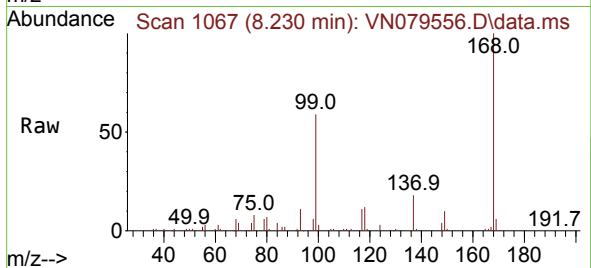
Tgt Ion: 42 Resp: 384
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



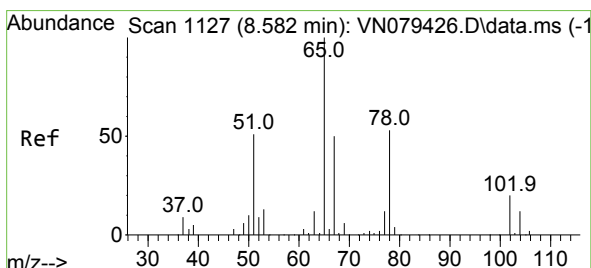
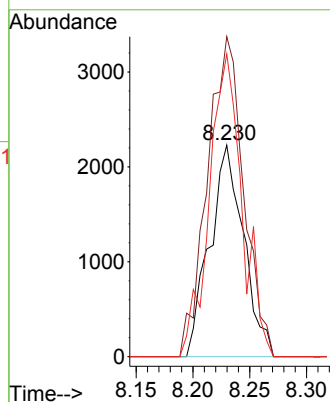
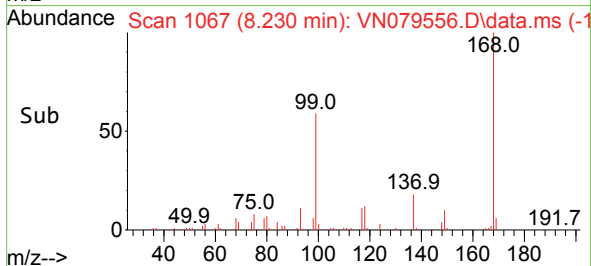


#31
Cyclohexane
Concen: 1.132 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.035 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Instrument :
MSVOA_N
ClientSampleId :

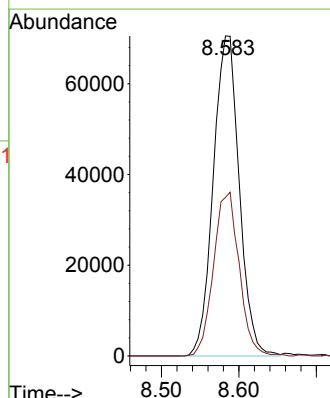
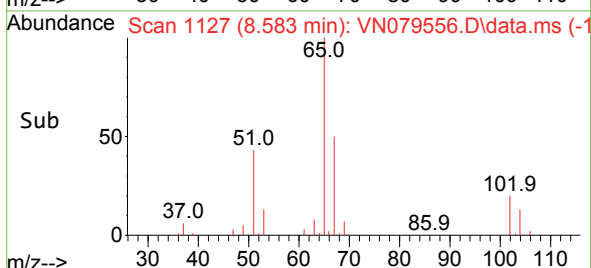
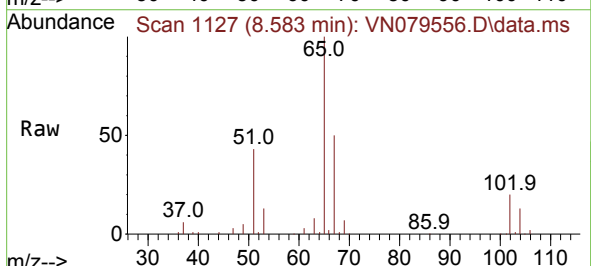


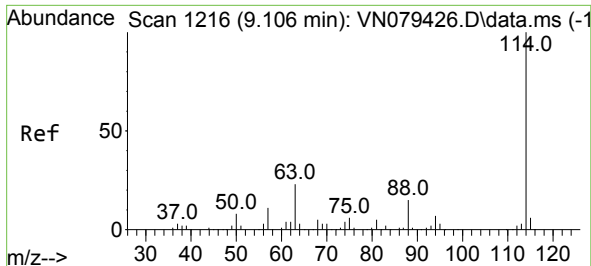
Tgt Ion: 56 Resp: 4630
Ion Ratio Lower Upper
56 100
69 151.3 26.8 40.2#
84 143.1 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 56.958 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Tgt Ion: 65 Resp: 164266
Ion Ratio Lower Upper
65 100
67 50.6 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: VN079556.D

Acq: 12 Oct 2023 19:35

Instrument :

MSVOA_N

ClientSampleId :

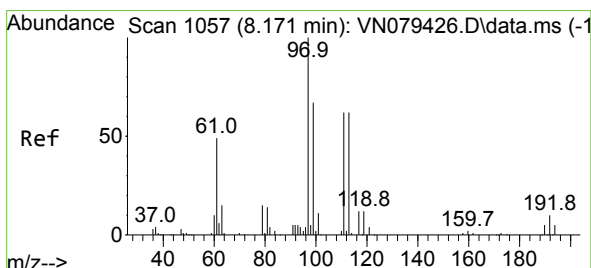
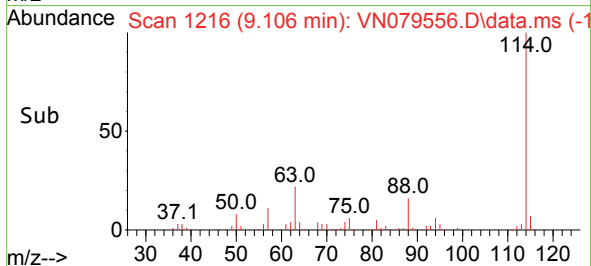
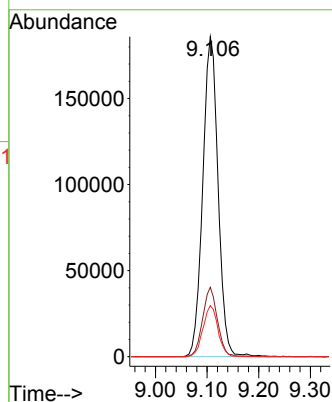
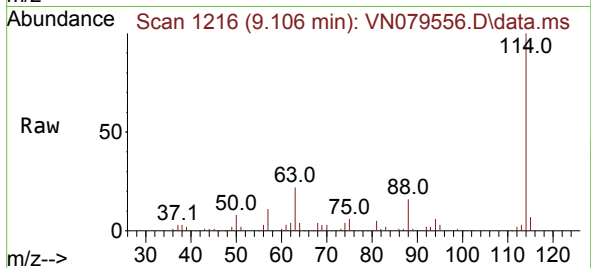
Tgt Ion:114 Resp: 382313

Ion Ratio Lower Upper

114 100

63 21.7 0.0 36.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.141 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN079556.D

Acq: 12 Oct 2023 19:35

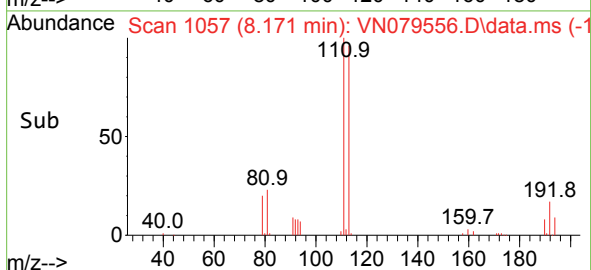
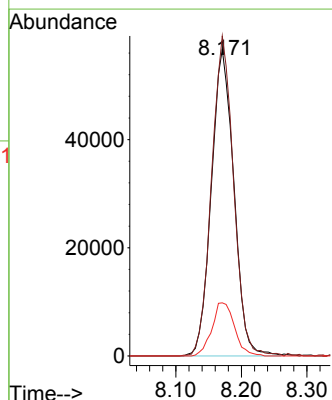
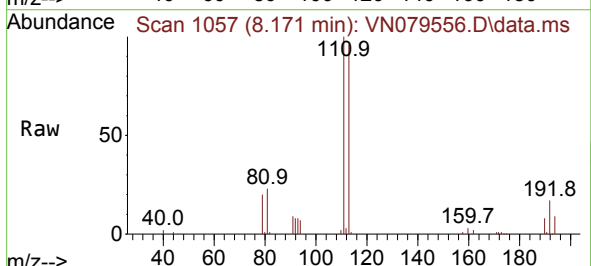
Tgt Ion:113 Resp: 135012

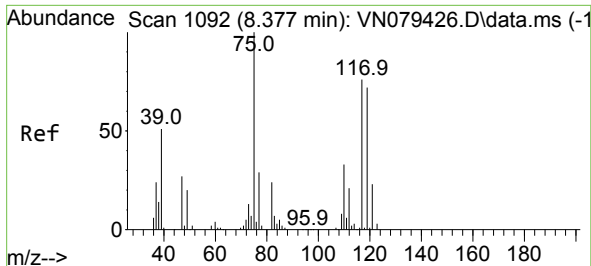
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 17.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 3.958 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.153 min

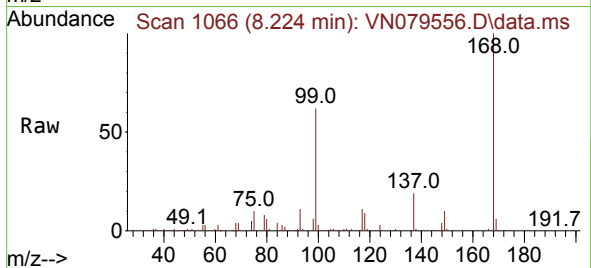
Lab File: VN079556.D

Acq: 12 Oct 2023 19:35

Instrument :

MSVOA_N

ClientSampleId :



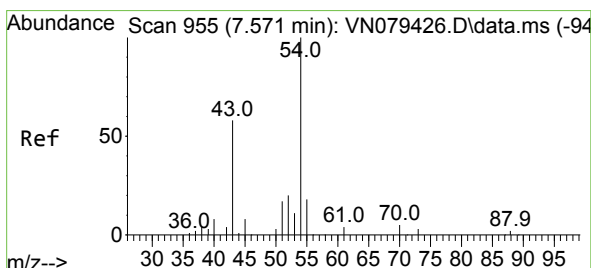
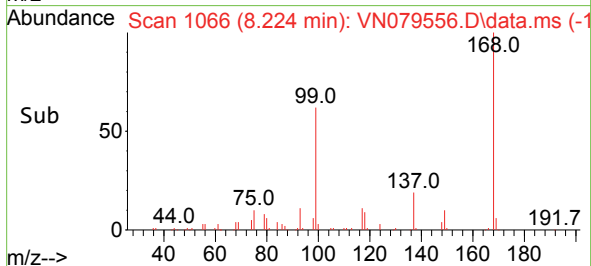
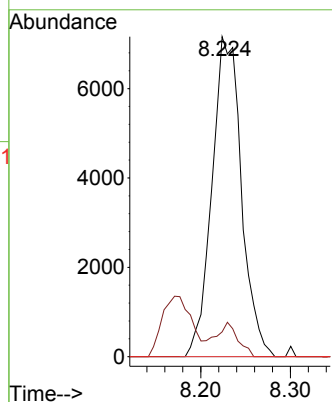
Tgt Ion: 75 Resp: 16319

Ion Ratio Lower Upper

75 100

110 7.8 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.122 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN079556.D

Acq: 12 Oct 2023 19:35

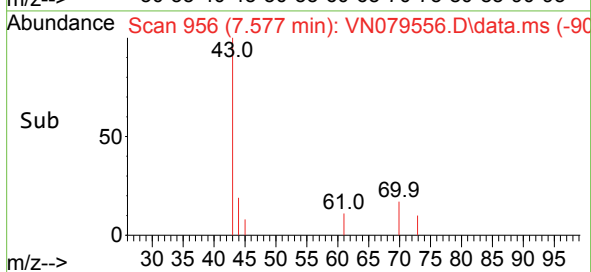
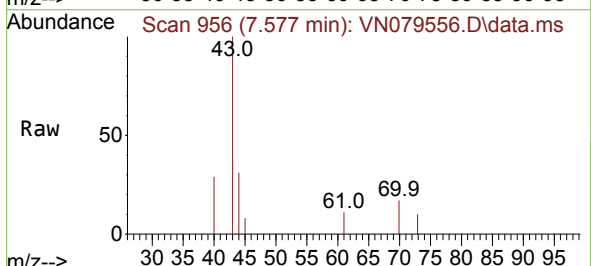
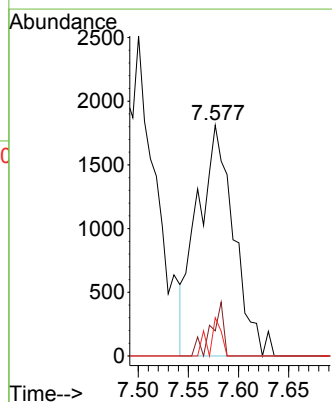
Tgt Ion: 43 Resp: 4602

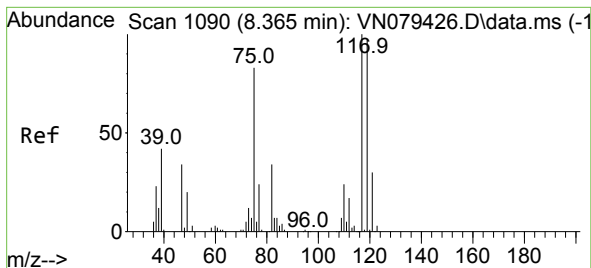
Ion Ratio Lower Upper

43 100

61 7.8 13.2 19.8#

70 5.3 11.3 16.9#





#38

Carbon Tetrachloride

Concen: 4.750 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

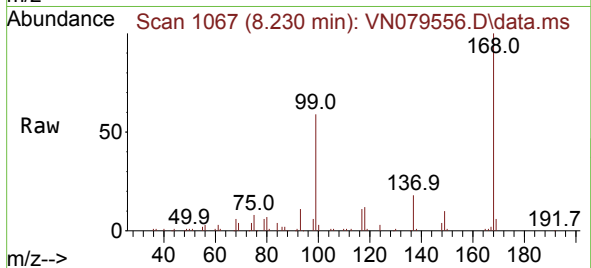
Lab File: VN079556.D

Acq: 12 Oct 2023 19:35

Instrument :

MSVOA_N

ClientSampleId :



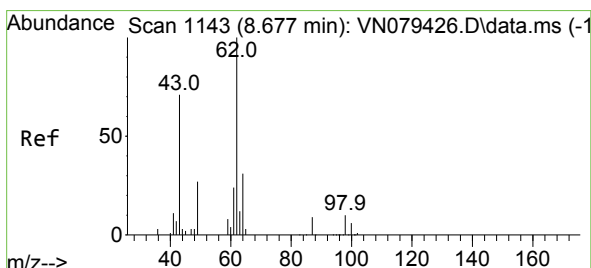
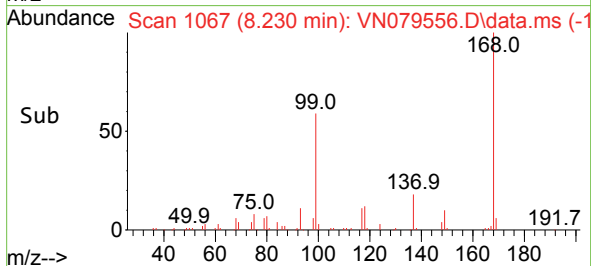
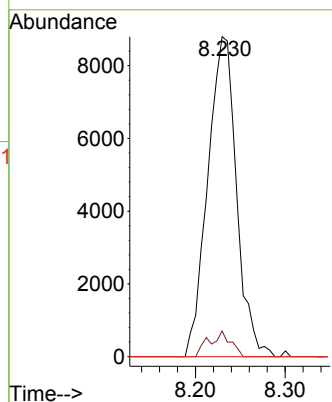
Tgt Ion:117 Resp: 19610

Ion Ratio Lower Upper

117 100

119 8.0 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.322 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.012 min

Lab File: VN079556.D

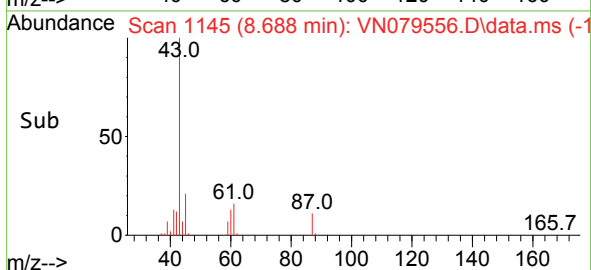
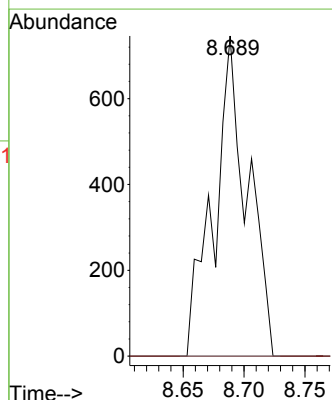
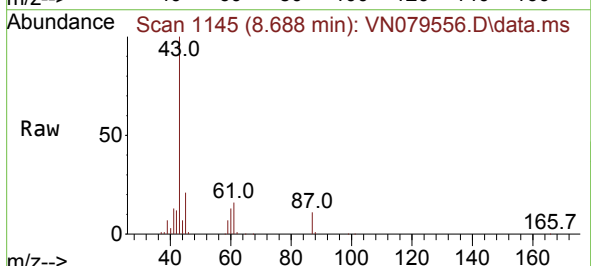
Acq: 12 Oct 2023 19:35

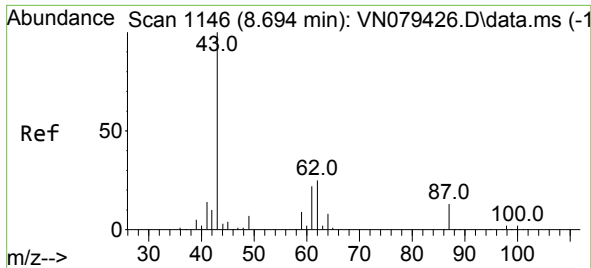
Tgt Ion: 62 Resp: 1433

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

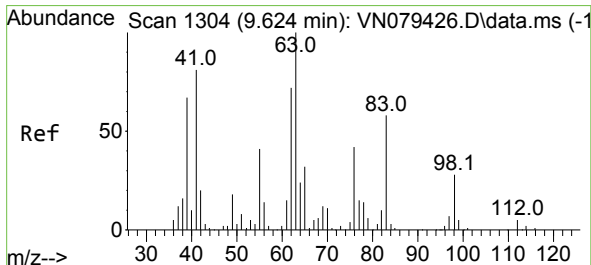
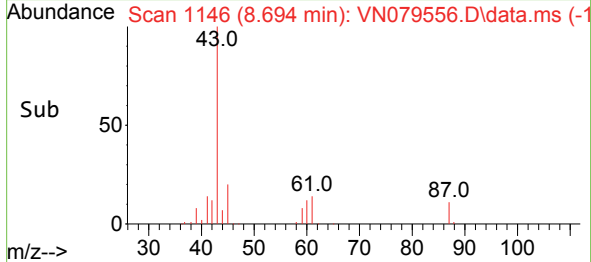
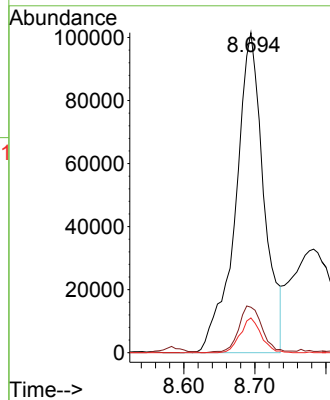
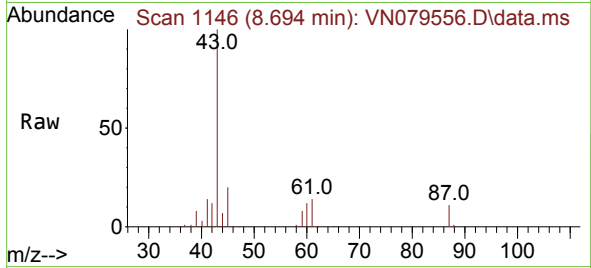




#43
Isopropyl Acetate
Concen: 39.150 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

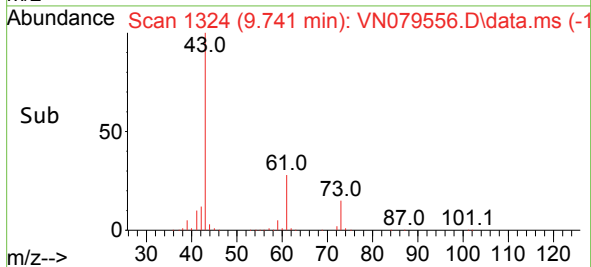
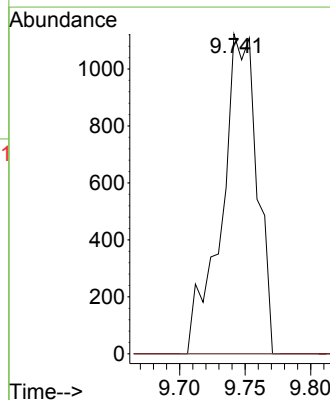
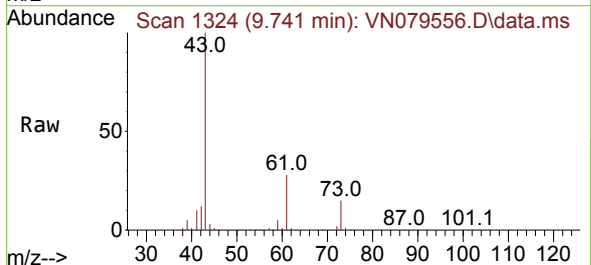
Instrument :
MSVOA_N
ClientSampleId :

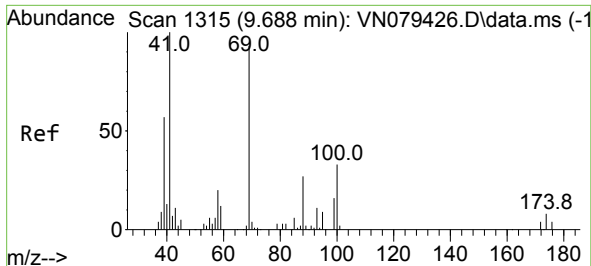
Tgt Ion: 43 Resp: 281424
Ion Ratio Lower Upper
43 100
61 12.1 24.7 37.1#
87 8.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.655 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.118 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

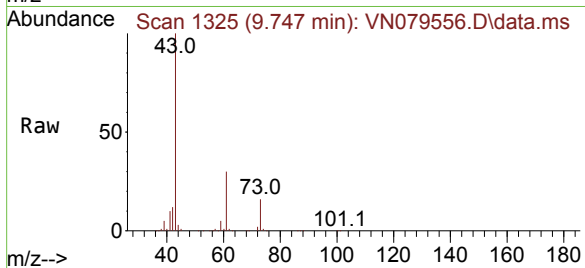
Tgt Ion: 63 Resp: 2115
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



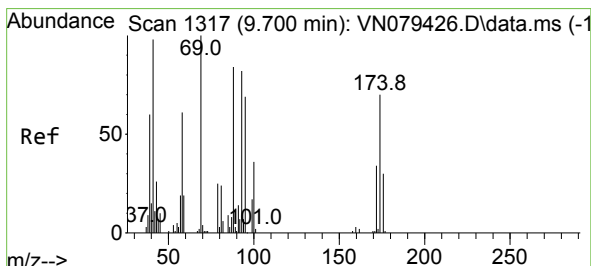
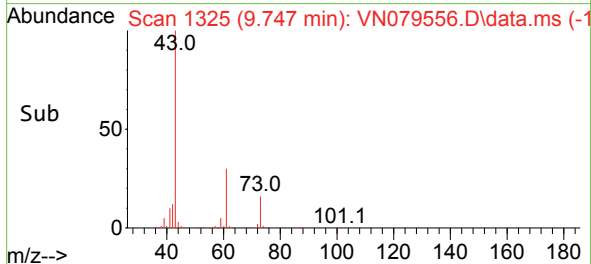
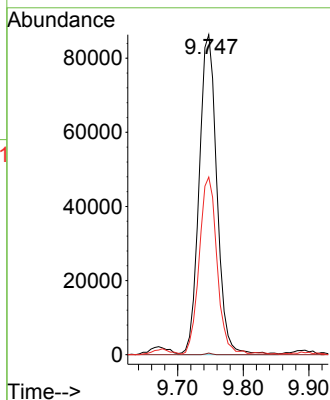


#48
Methyl methacrylate
Concen: 52.896 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Instrument :
MSVOA_N
ClientSampleId :

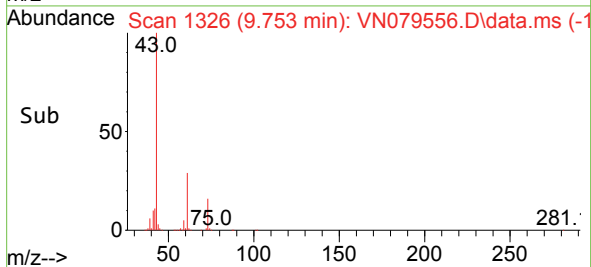
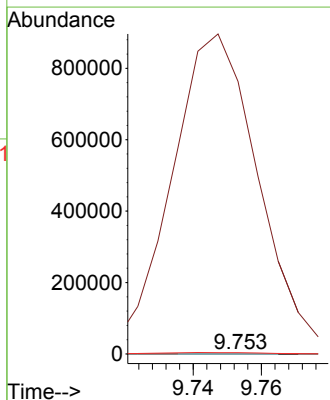
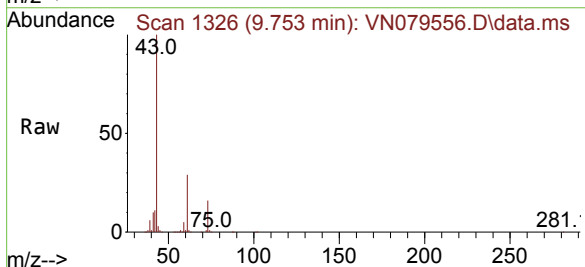


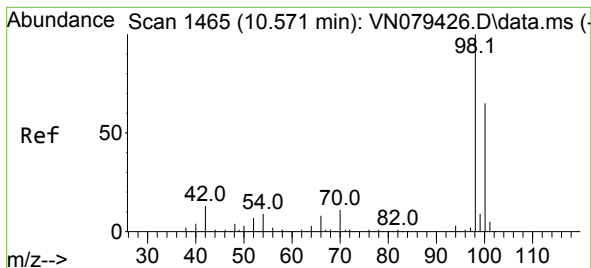
Tgt Ion: 41 Resp: 162939
Ion Ratio Lower Upper
41 100
69 0.2 90.4 135.6#
39 55.2 54.6 81.8



#49
1,4-Dioxane
Concen: 2.203 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.053 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Tgt Ion: 88 Resp: 125
Ion Ratio Lower Upper
88 100
43 1293088.8 17.0 25.6#
58 7011.2 47.0 70.4#

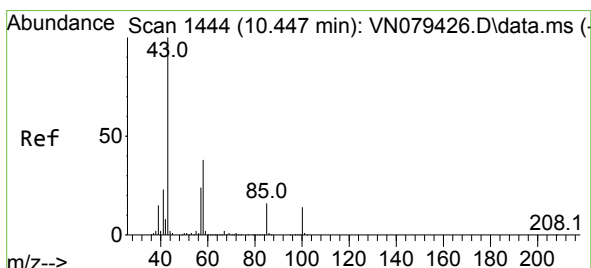
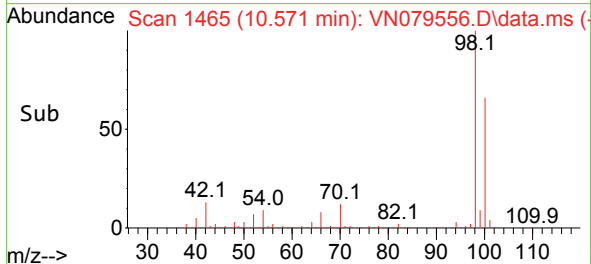
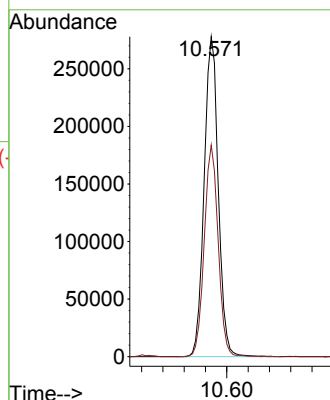
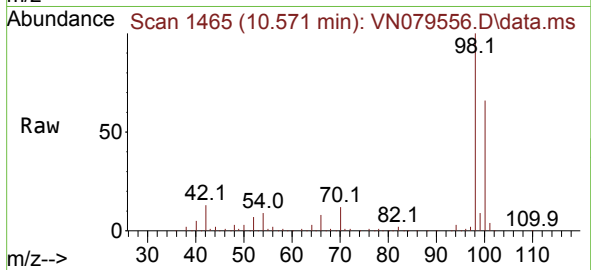




#50
Toluene-d8
Concen: 51.372 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

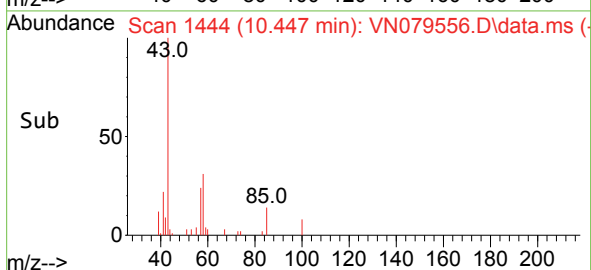
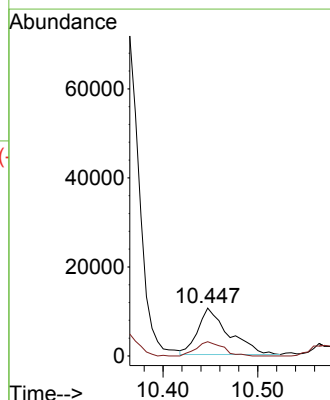
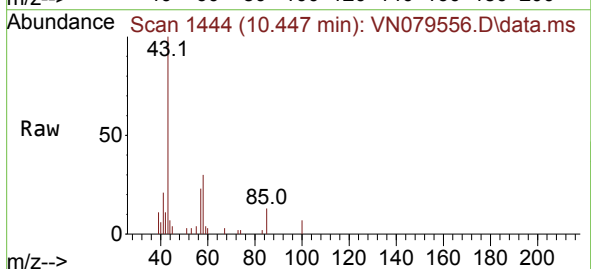
Instrument :
MSVOA_N
ClientSampleId :

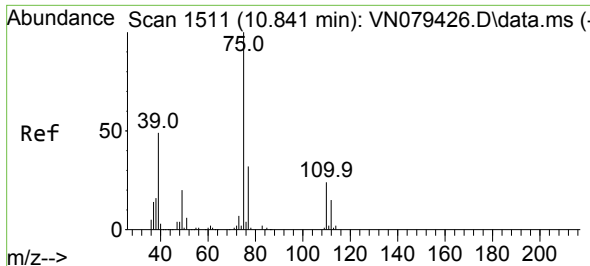
Tgt Ion: 98 Resp: 510689
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 5.823 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

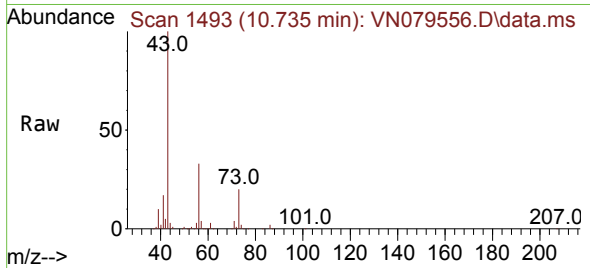
Tgt Ion: 43 Resp: 23627
Ion Ratio Lower Upper
43 100
58 26.6 36.6 54.8#



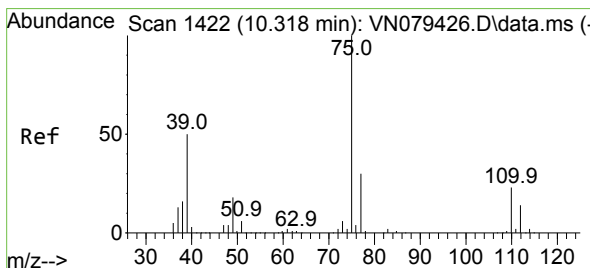
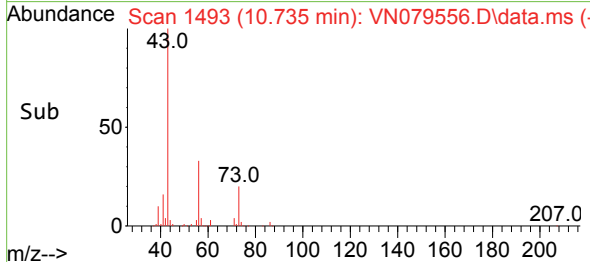
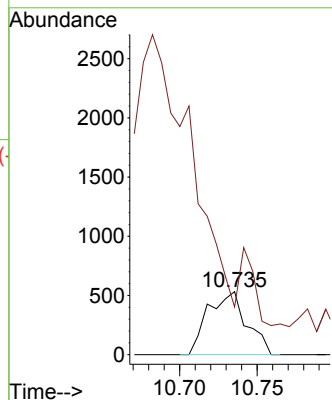


#53
 t-1,3-Dichloropropene
 Concen: 0.213 ug/l
 RT: 10.735 min Scan# 1493
 Delta R.T. -0.106 min
 Lab File: VN079556.D
 Acq: 12 Oct 2023 19:35

Instrument :
 MSVOA_N
 ClientSampleId :

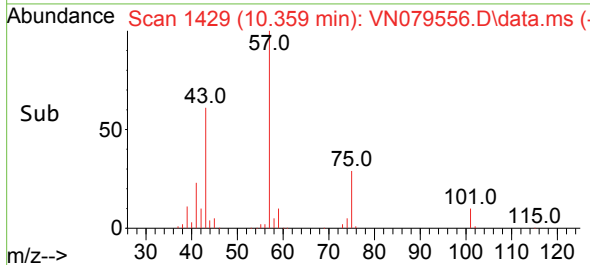
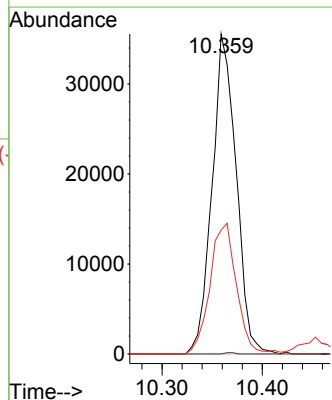
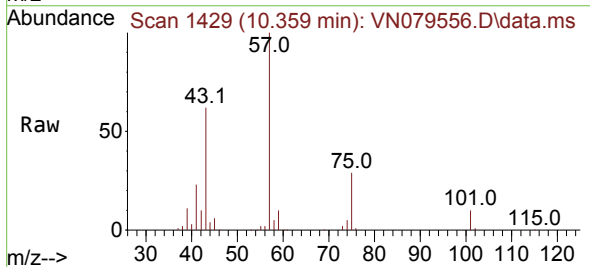


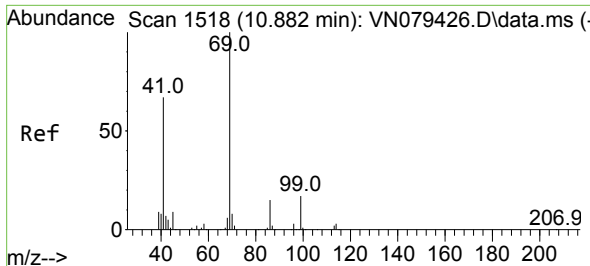
Tgt Ion: 75 Resp: 923
 Ion Ratio Lower Upper
 75 100
 77 27.1 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 12.494 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.041 min
 Lab File: VN079556.D
 Acq: 12 Oct 2023 19:35

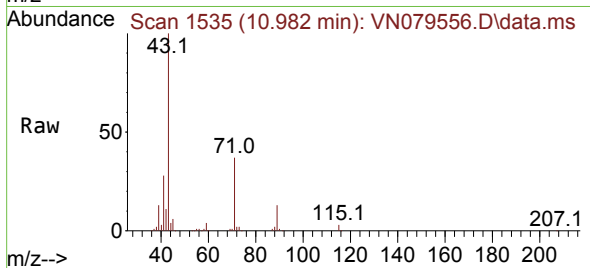
Tgt Ion: 75 Resp: 59249
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 38.7 31.6 47.4



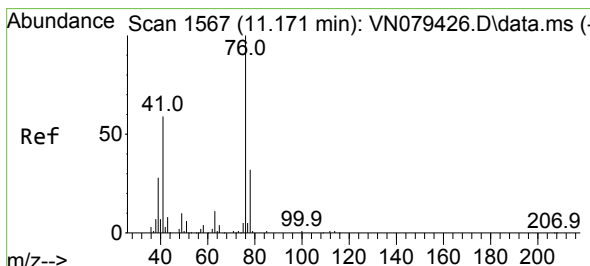
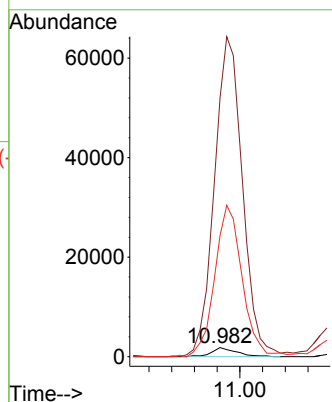
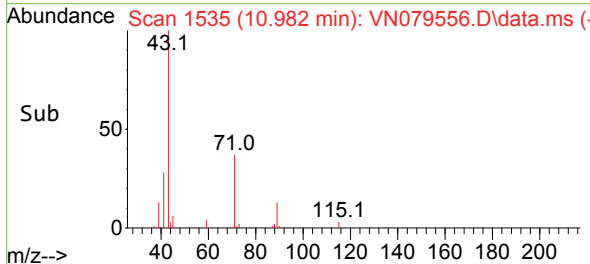


#56
Ethyl methacrylate
Concen: 0.703 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.100 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

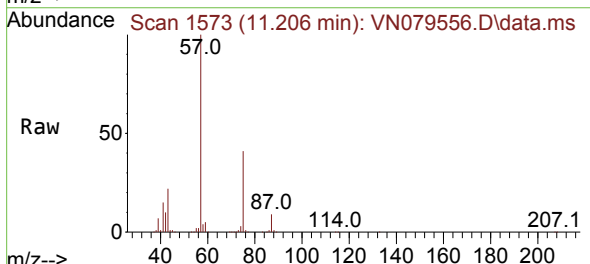
Instrument :
MSVOA_N
ClientSampleId :



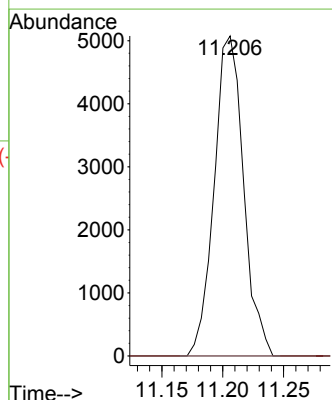
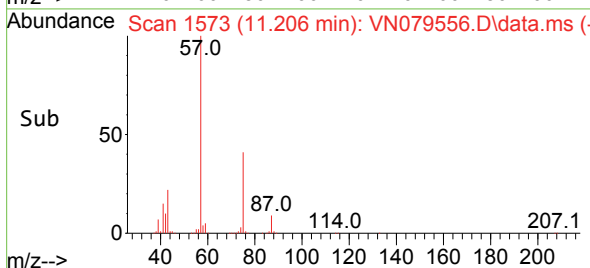
Tgt Ion: 69 Resp: 2795
Ion Ratio Lower Upper
69 100
41 3962.5 39.6 59.4#
39 1823.4 28.6 43.0#

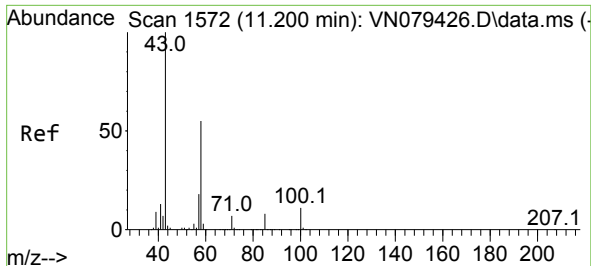


#57
1,3-Dichloropropane
Concen: 1.703 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35



Tgt Ion: 76 Resp: 8508
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

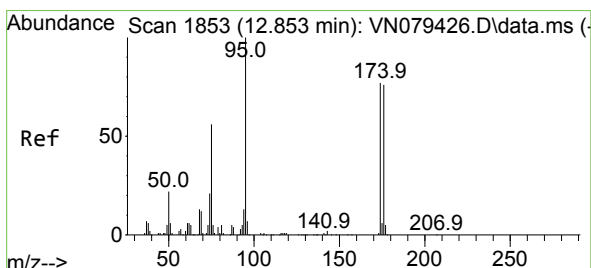
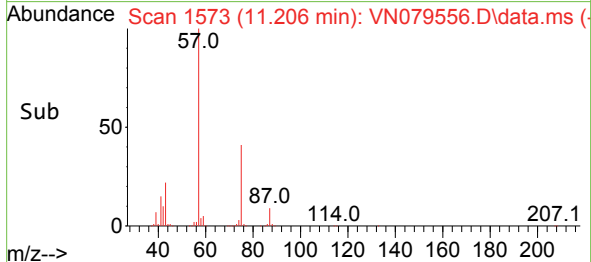
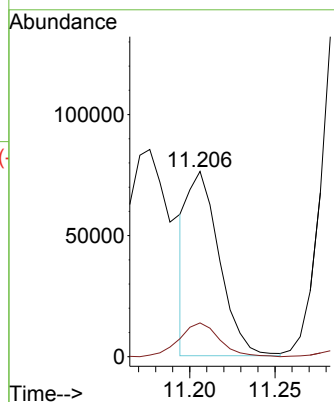
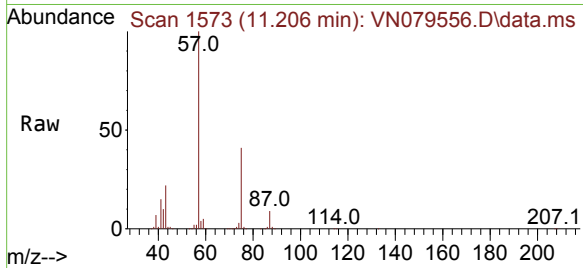




#59
2-Hexanone
Concen: 33.894 ug/l
RT: 11.206 min Scan# 11573
Delta R.T. 0.006 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

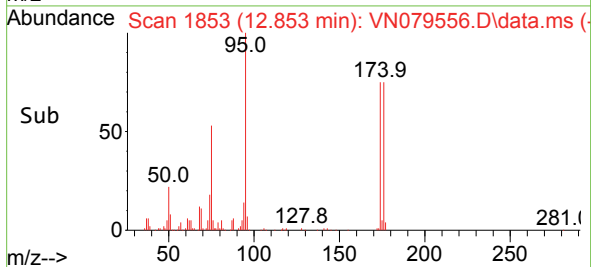
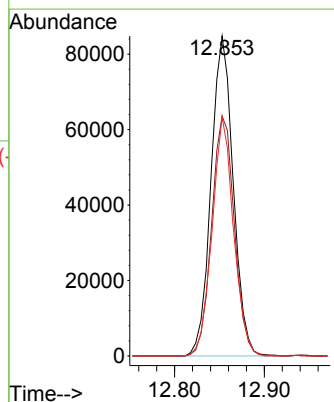
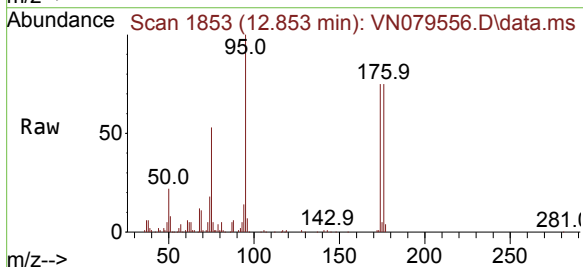
Instrument :
MSVOA_N
ClientSampleId :

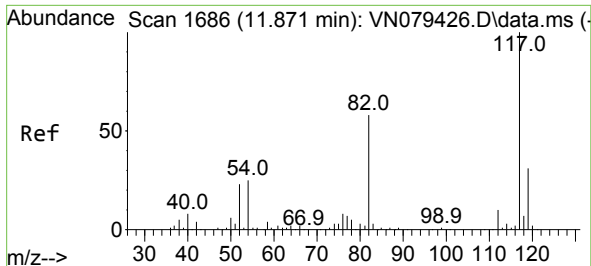
Tgt Ion: 43 Resp: 99247
Ion Ratio Lower Upper
43 100
58 23.1 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.508 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

Tgt Ion: 95 Resp: 145182
Ion Ratio Lower Upper
95 100
174 76.9 0.0 143.8
176 72.5 0.0 135.8

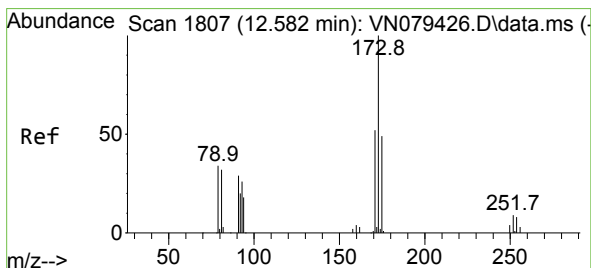
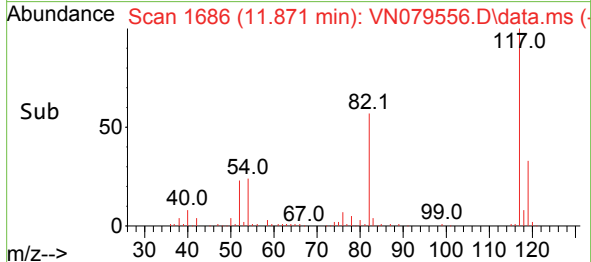
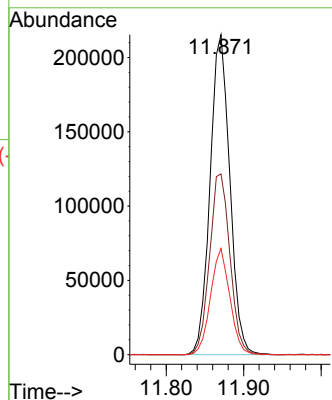
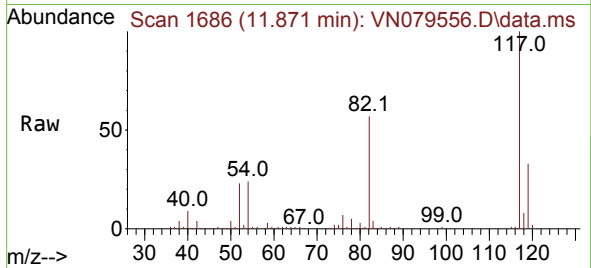




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

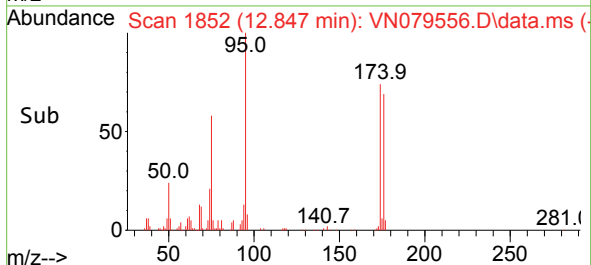
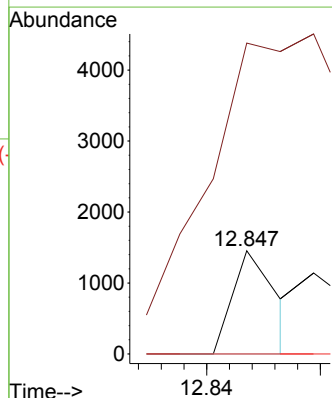
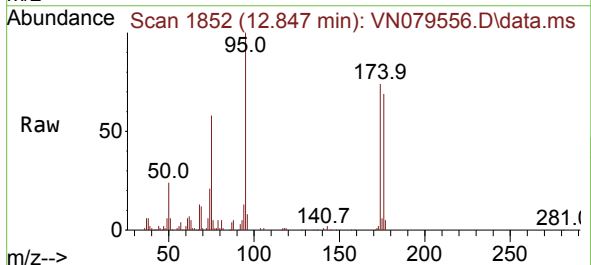
Instrument :
MSVOA_N
ClientSampleId :

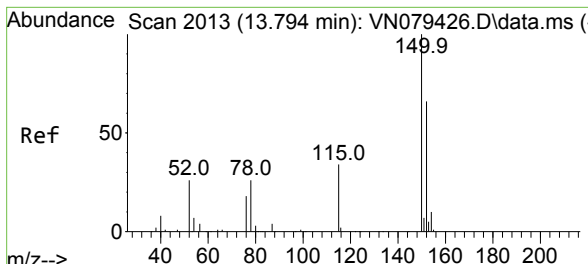
Tgt Ion:117 Resp: 381601
Ion Ratio Lower Upper
117 100
82 56.5 44.0 66.0
119 33.2 25.6 38.4



#71
Bromoform
Concen: 0.346 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079556.D
Acq: 12 Oct 2023 19:35

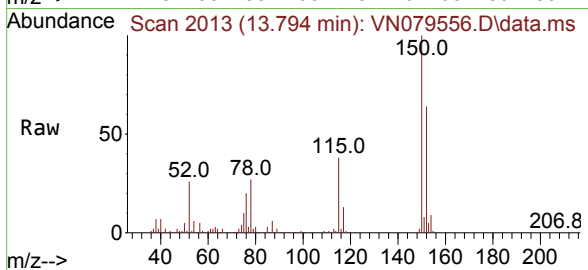
Tgt Ion:173 Resp: 787
Ion Ratio Lower Upper
173 100
175 598.5 24.3 73.0#
254 0.0 0.0 0.0



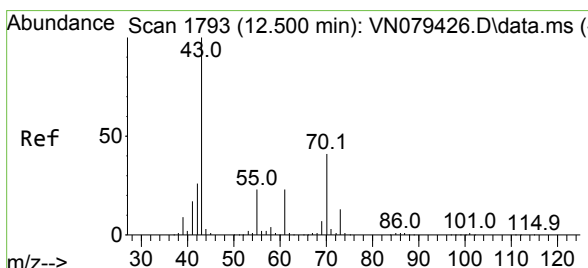
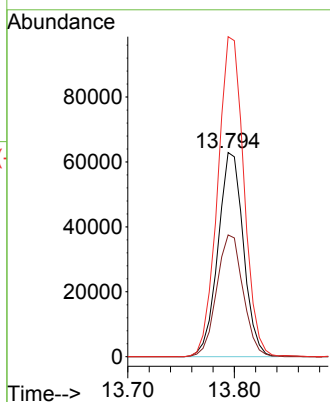
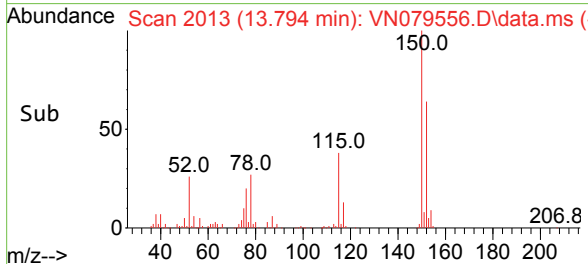


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. 0.000 min
 Lab File: VN079556.D
 Acq: 12 Oct 2023 19:35

Instrument :
 MSVOA_N
 ClientSampleId :

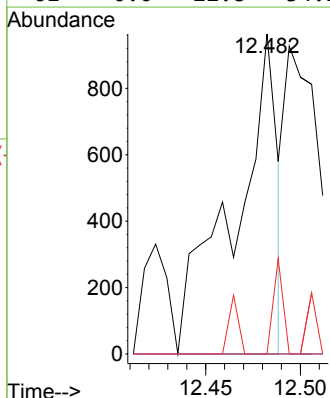
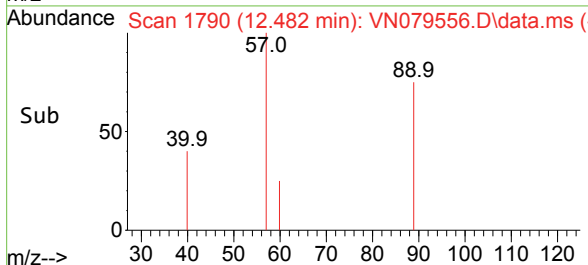
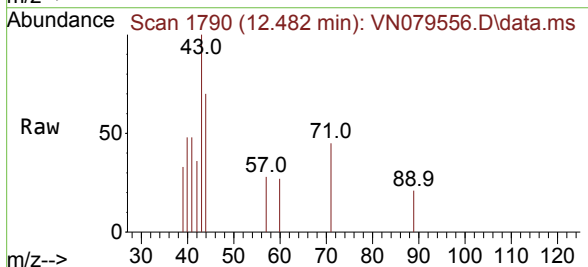


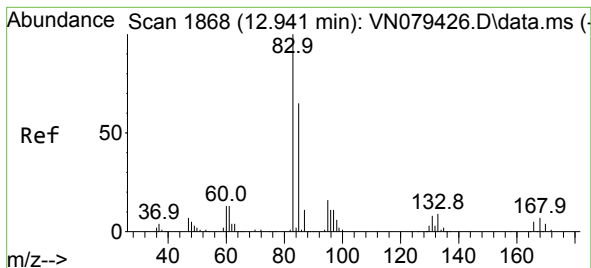
Tgt Ion:152 Resp: 104315
 Ion Ratio Lower Upper
 152 100
 115 61.8 32.3 96.8
 150 161.4 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.383 ug/l
 RT: 12.482 min Scan# 1790
 Delta R.T. -0.018 min
 Lab File: VN079556.D
 Acq: 12 Oct 2023 19:35

Tgt Ion: 43 Resp: 1524
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 6.6 21.4 32.0#
 61 0.0 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.971 min Scan# 1873

Delta R.T. 0.030 min

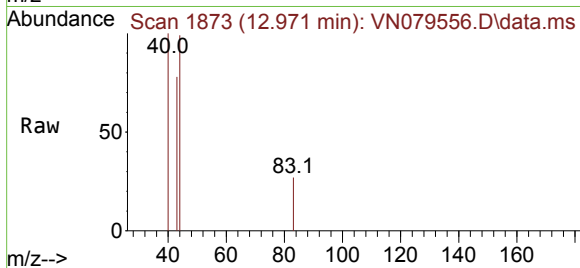
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Acq: 12 Oct 2023 19:35

Instrument :

MSVOA_N

ClientSampleId :



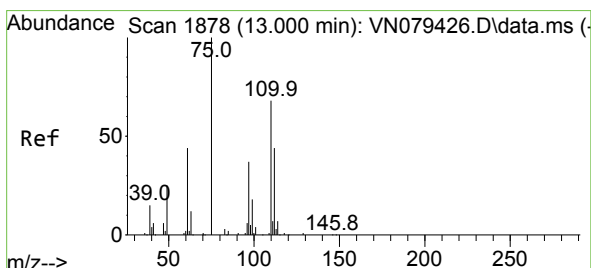
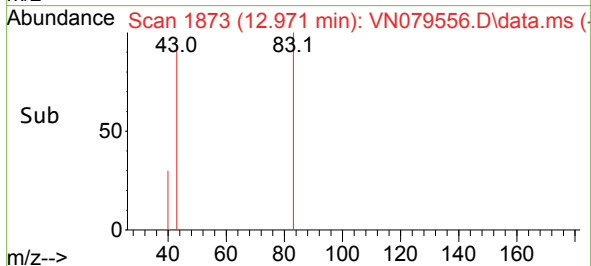
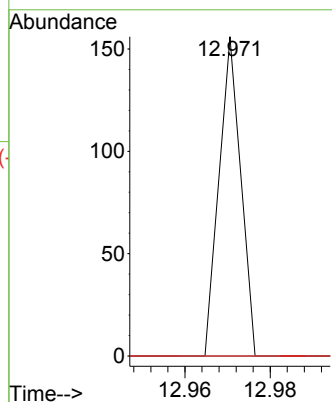
Tgt Ion: 83 Resp: 55

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 26.366 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079556.D

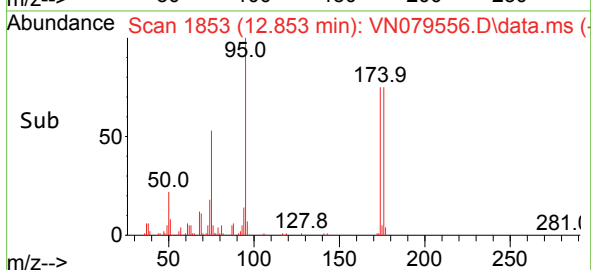
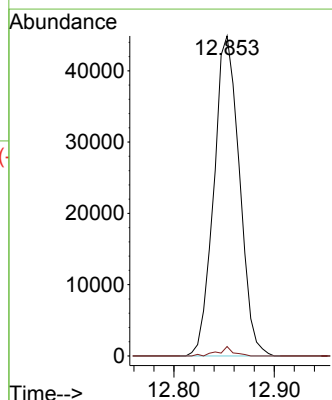
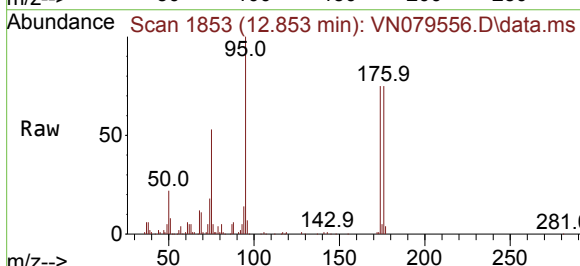
Acq: 12 Oct 2023 19:35

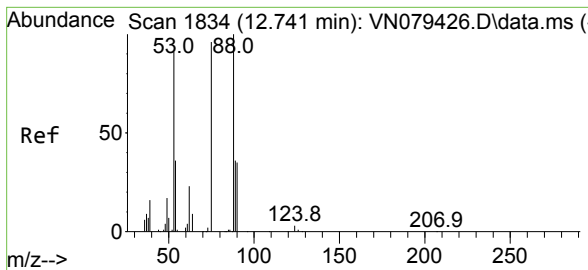
Tgt Ion: 75 Resp: 79300

Ion Ratio Lower Upper

75 100

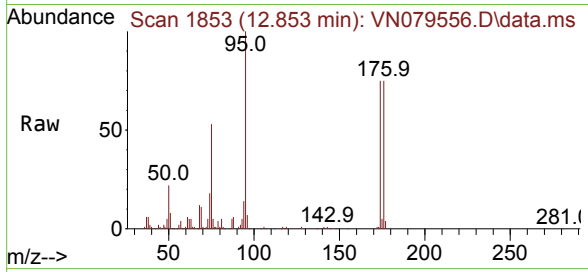
77 1.7 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.501 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079556.D
 Acq: 12 Oct 2023 19:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 79300
 Ion Ratio Lower Upper
 75 100
 53 0.1 67.4 101.2#
 89 0.0 38.8 58.2#

