

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079454.D
 Acq On : 06 Oct 2023 17:56
 Operator : JC\MD
 Sample : 04731-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 23:06:56 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)

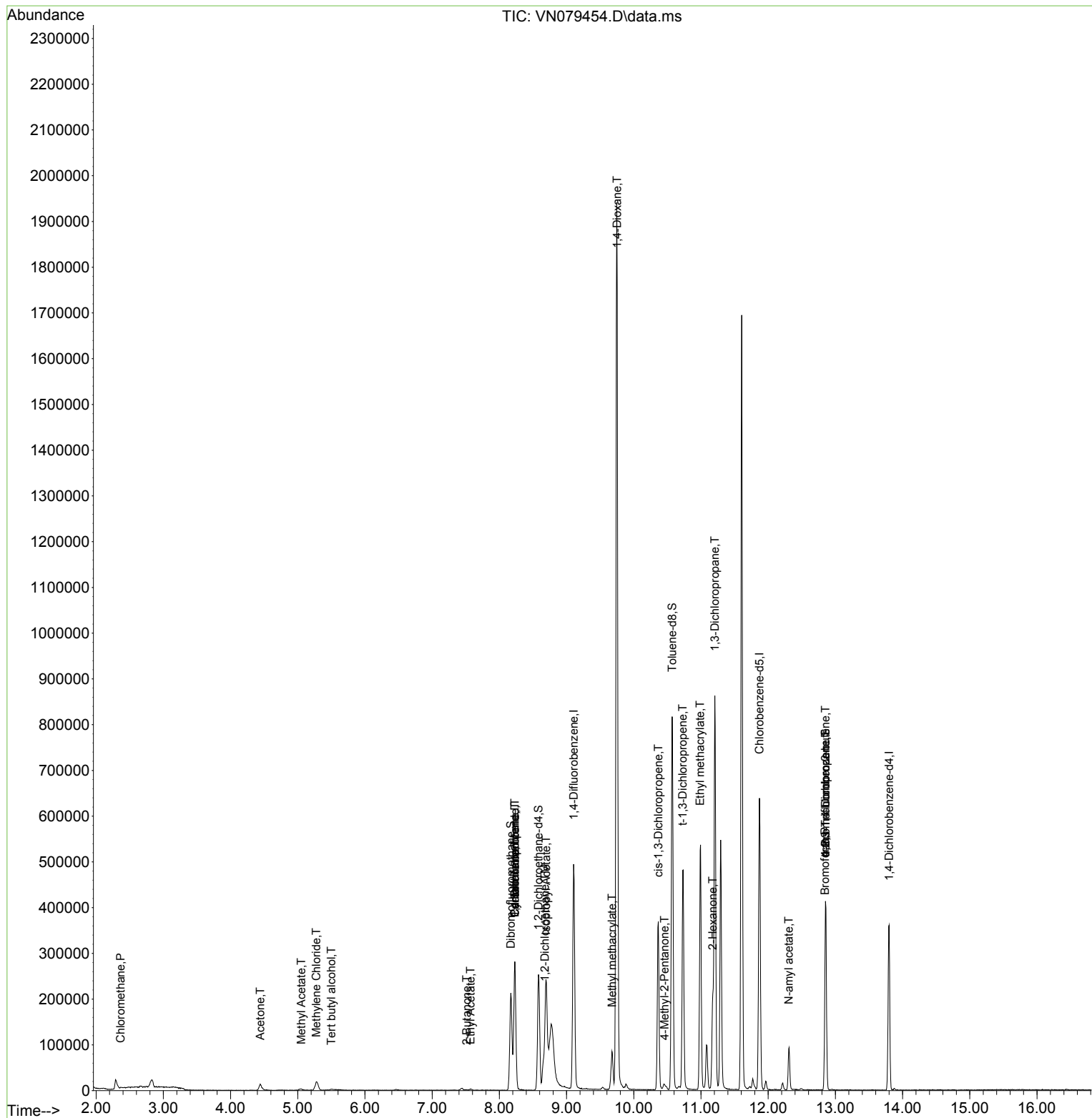
Internal Standards						
1) Pentafluorobenzene	8.229	168	186340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	404827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	361590	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	94536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	206626	68.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 136.780%#			
35) Dibromofluoromethane	8.171	113	148820	51.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.300%			
50) Toluene-d8	10.570	98	541082	51.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.853	95	136946	40.539	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 81.080%#			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	688	0.207	ug/l #	88
11) Tert butyl alcohol	5.500	59	1284	2.824	ug/l #	72
16) Acetone	4.441	43	23518	19.625	ug/l #	87
18) Methyl Acetate	5.053	43	6687	1.140	ug/l #	42
20) Methylene Chloride	5.277	84	15152	5.235	ug/l #	84
25) 2-Butanone	7.512	43	2369	1.332	ug/l #	78
31) Cyclohexane	8.229	56	5272	1.230	ug/l #	18
36) 1,1-Dichloropropene	8.229	75	17433	3.993	ug/l #	48
37) Ethyl Acetate	7.571	43	4532	1.043	ug/l #	74
38) Carbon Tetrachloride	8.229	117	21515	4.922	ug/l #	16
42) 1,2-Dichloroethane	8.676	62	1607	0.341	ug/l #	73
43) Isopropyl Acetate	8.694	43	327626	43.042	ug/l #	69
48) Methyl methacrylate	9.676	41	5846	1.792	ug/l #	29
49) 1,4-Dioxane	9.753	88	299	4.977	ug/l #	1
51) 4-Methyl-2-Pentanone	10.459	43	14491	3.373	ug/l #	65
53) t-1,3-Dichloropropene	10.729	75	1078	0.235	ug/l #	29
54) cis-1,3-Dichloropropene	10.365	75	63714	12.688	ug/l #	75
56) Ethyl methacrylate	10.988	69	3177	0.754	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8130	1.536	ug/l #	42
59) 2-Hexanone	11.176	43	168045	54.198	ug/l #	19
71) Bromoform	12.847	173	1172	0.543	ug/l #	1
74) N-amyl acetate	12.306	43	28922	8.021	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	12.864	83	64	Below Cal	#	2
76) 1,2,3-Trichloropropane	12.853	75	76457	28.050	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	76457	81.389	ug/l #	15

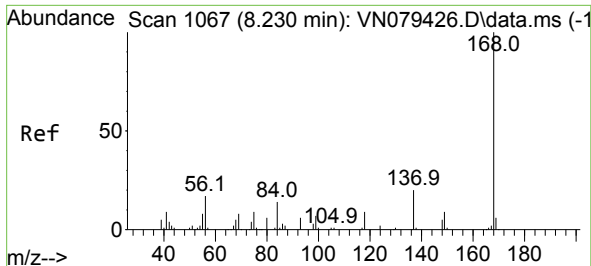
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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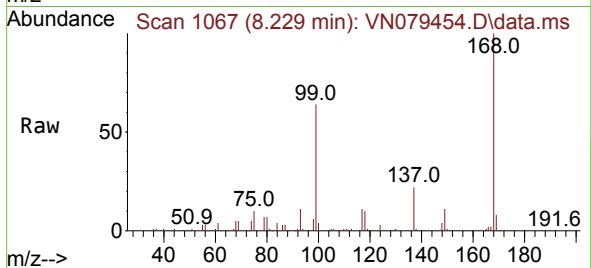
Quant Time: Oct 06 23:06:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
Response via : Initial Calibration



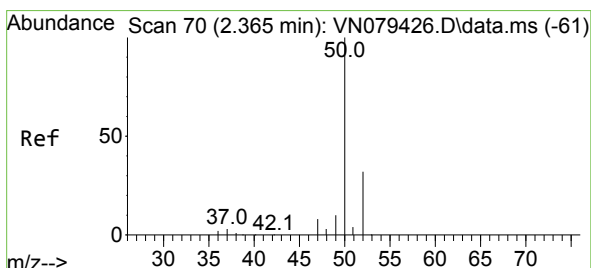
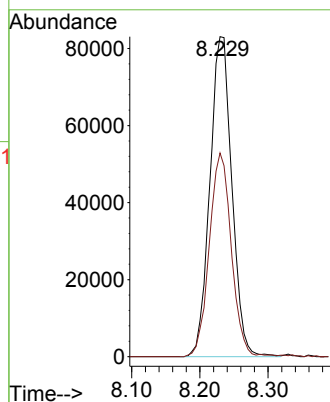
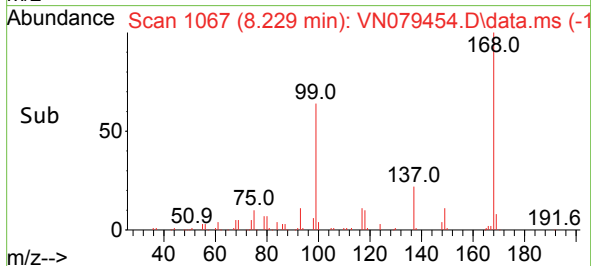


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Instrument :
MSVOA_N
ClientSampleId :

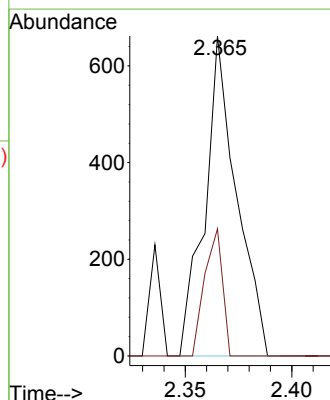
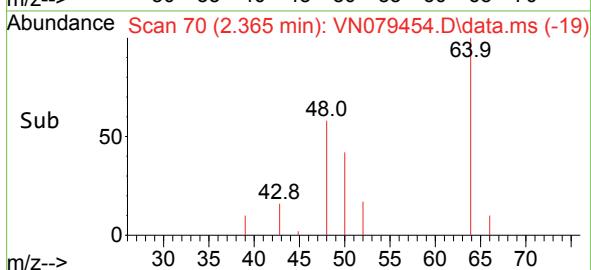
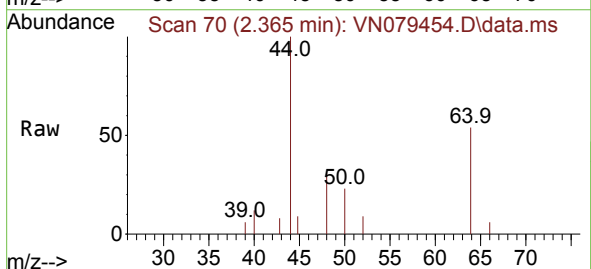


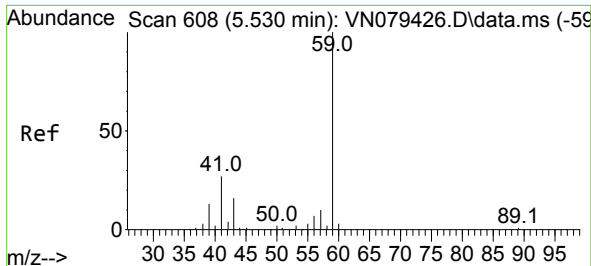
Tgt Ion:168 Resp: 186340
Ion Ratio Lower Upper
168 100
99 63.7 53.0 79.6



#3
Chloromethane
Concen: 0.207 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Tgt Ion: 50 Resp: 688
Ion Ratio Lower Upper
50 100
52 39.7 26.5 39.7#

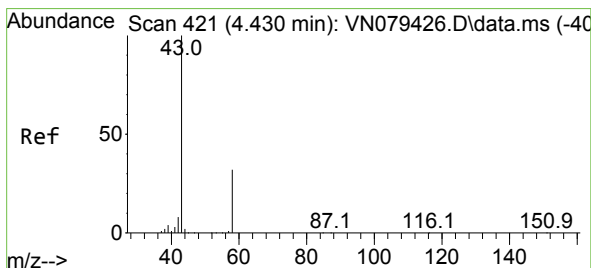
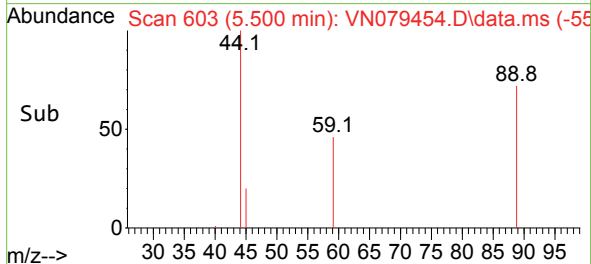
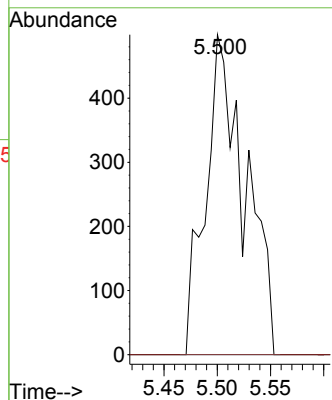
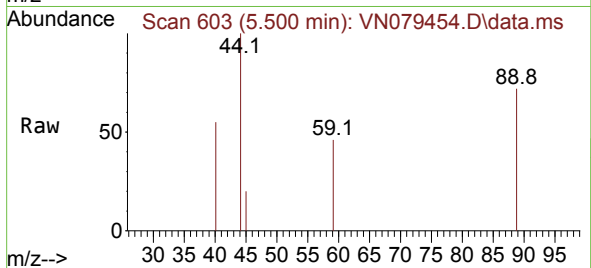




#11
Tert butyl alcohol
Concen: 2.824 ug/l
RT: 5.500 min Scan# 608
Delta R.T. -0.030 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

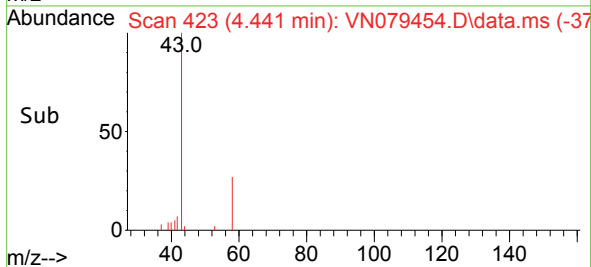
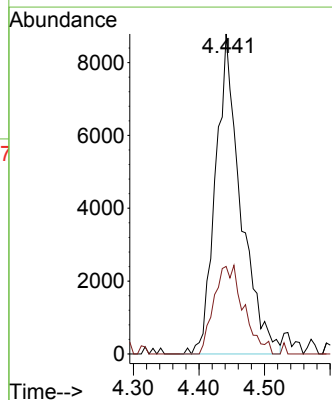
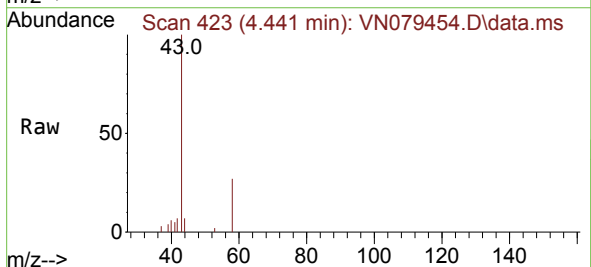
Instrument :
MSVOA_N
ClientSampleId :

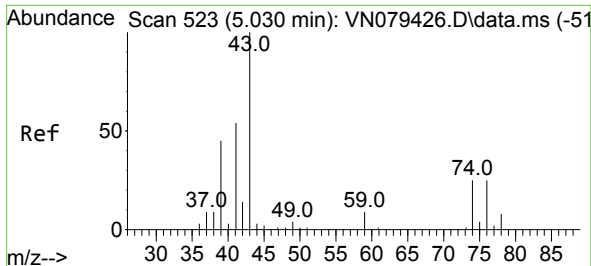
Tgt Ion: 59 Resp: 1284
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 19.625 ug/l
RT: 4.441 min Scan# 423
Delta R.T. 0.011 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Tgt Ion: 43 Resp: 23518
Ion Ratio Lower Upper
43 100
58 27.3 28.0 42.0#

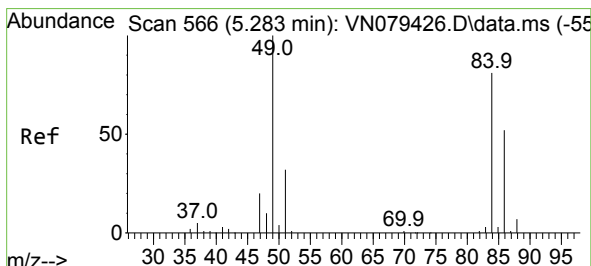
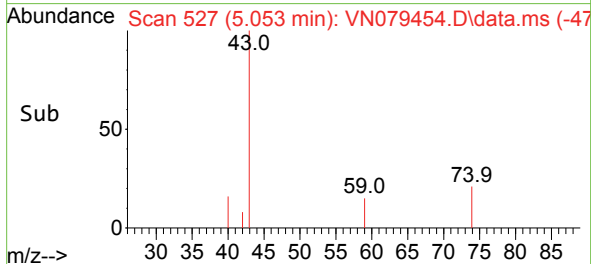
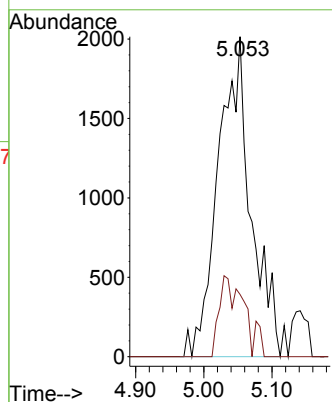
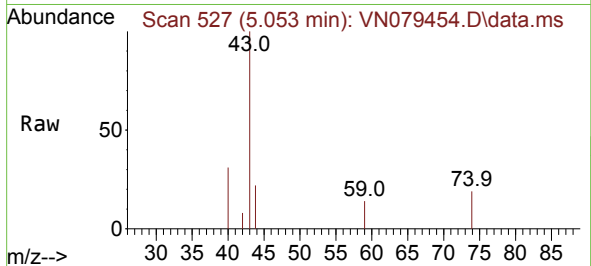




#18
Methyl Acetate
Concen: 1.140 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

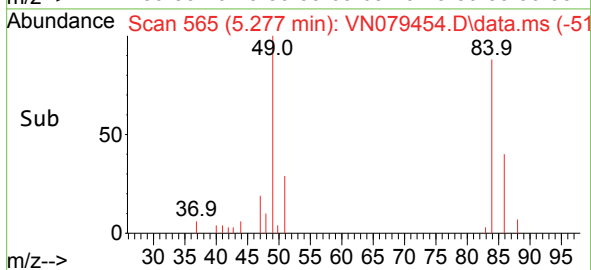
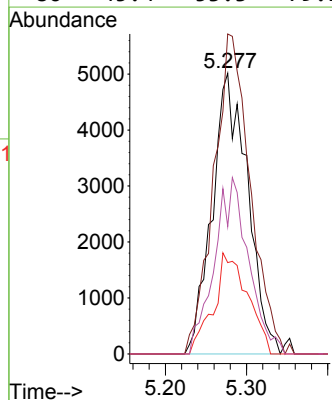
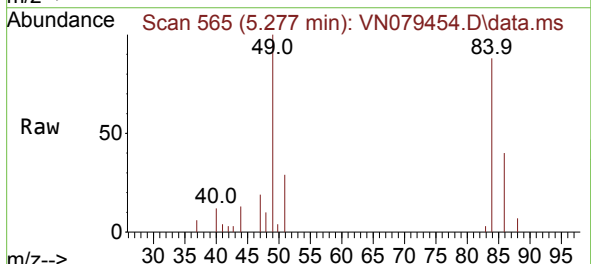
Instrument :
MSVOA_N
ClientSampleId :

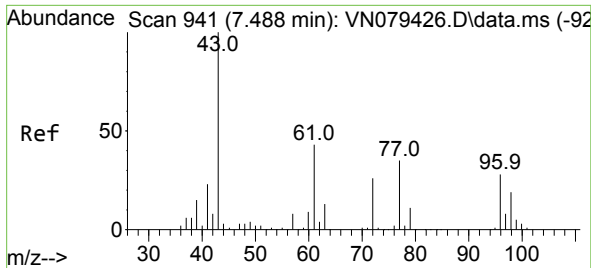
Tgt Ion: 43 Resp: 6687
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#



#20
Methylene Chloride
Concen: 5.235 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Tgt Ion: 84 Resp: 15152
Ion Ratio Lower Upper
84 100
49 114.0 79.7 119.5
51 32.6 25.2 37.8
86 45.4 53.3 79.9#

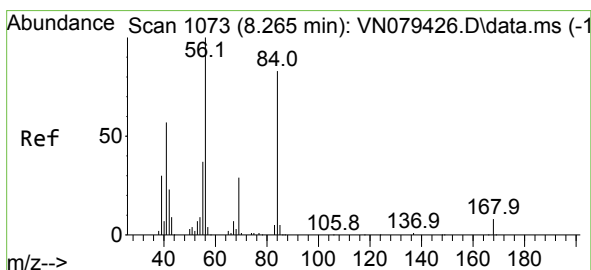
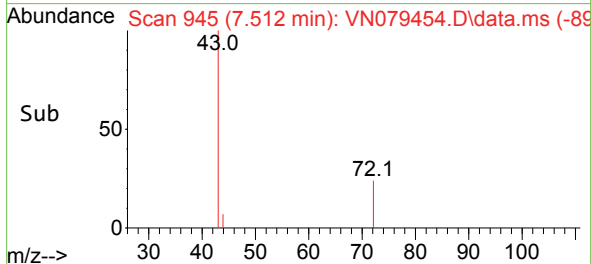
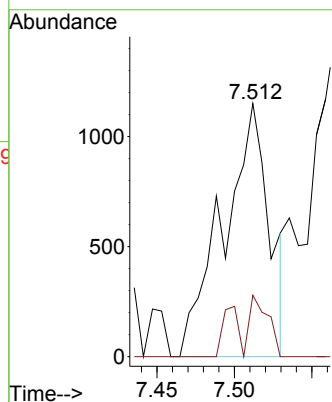
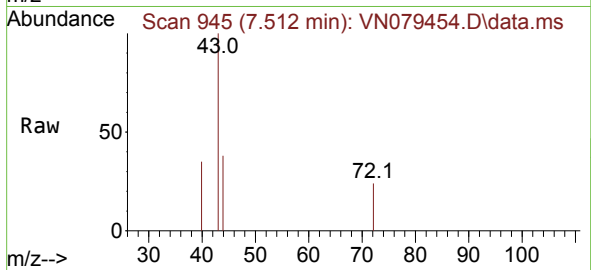




#25
2-Butanone
Concen: 1.332 ug/l
RT: 7.512 min Scan# 941
Delta R.T. 0.024 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

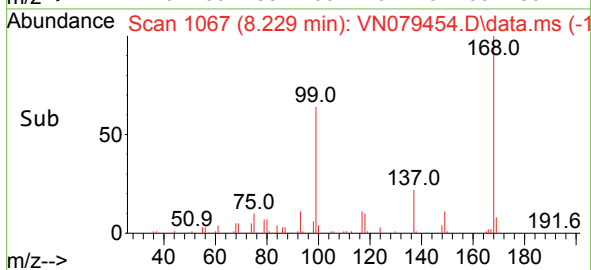
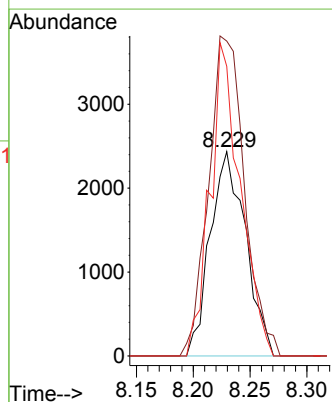
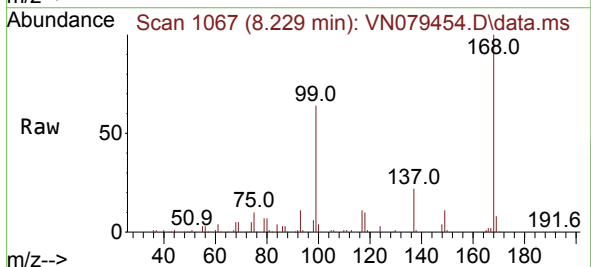
Instrument :
MSVOA_N
ClientSampleId :

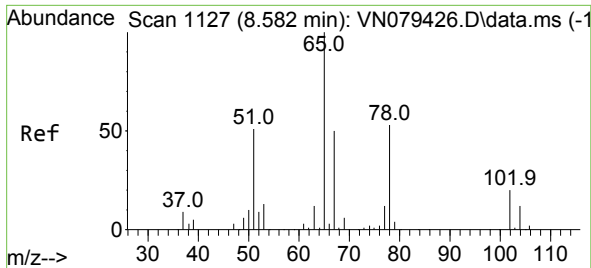
Tgt Ion: 43 Resp: 2369
Ion Ratio Lower Upper
43 100
72 24.3 30.2 45.2#



#31
Cyclohexane
Concen: 1.230 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Tgt Ion: 56 Resp: 5272
Ion Ratio Lower Upper
56 100
69 154.1 26.8 40.2#
84 141.8 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 68.388 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079454.D

Acq: 06 Oct 2023 17:56

Instrument :

MSVOA_N

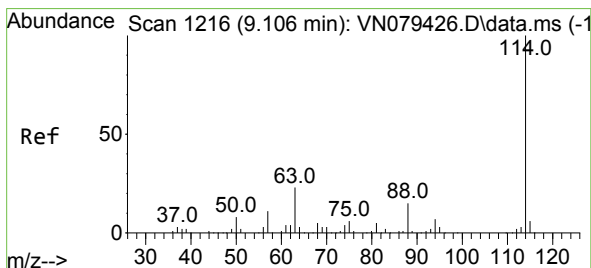
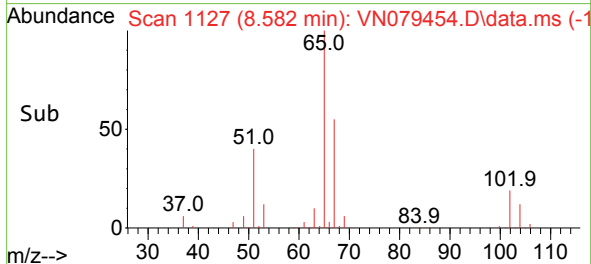
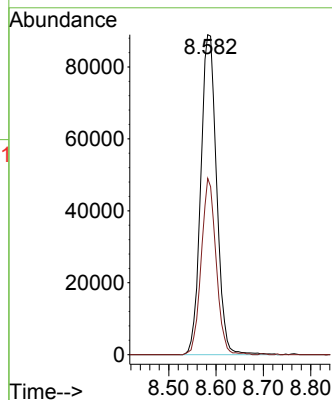
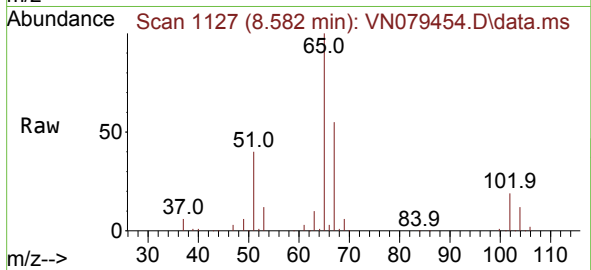
ClientSampleId :

Tgt Ion: 65 Resp: 206626

Ion Ratio Lower Upper

65 100

67 51.7 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: VN079454.D

Acq: 06 Oct 2023 17:56

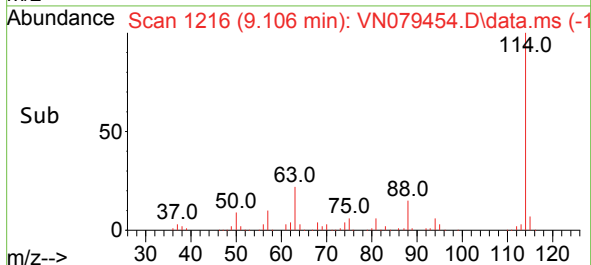
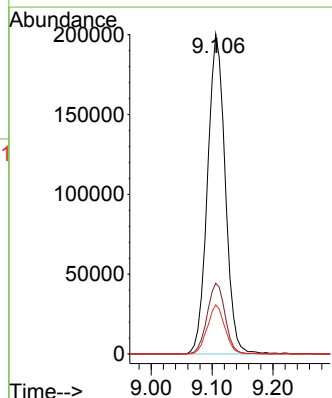
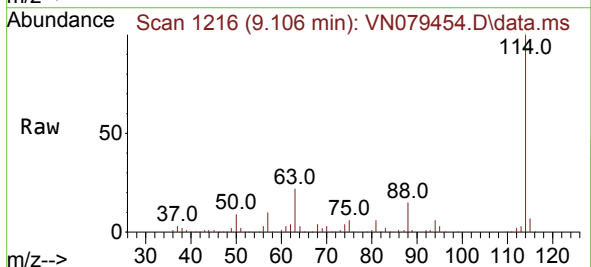
Tgt Ion: 114 Resp: 404827

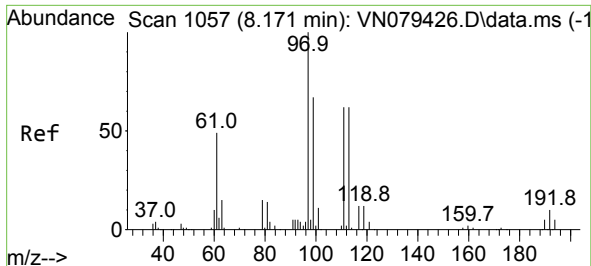
Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.154 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

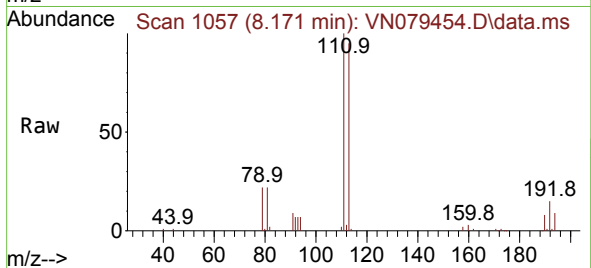
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Acq: 06 Oct 2023 17:56

Instrument :

MSVOA_N

ClientSampleId :



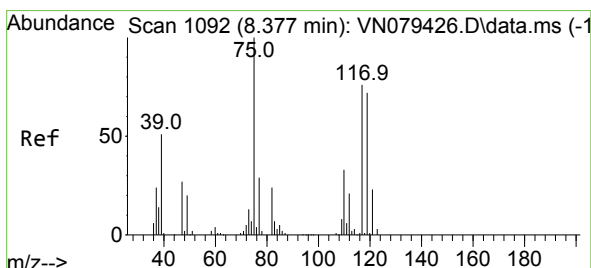
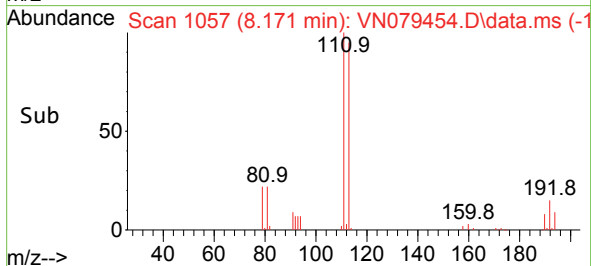
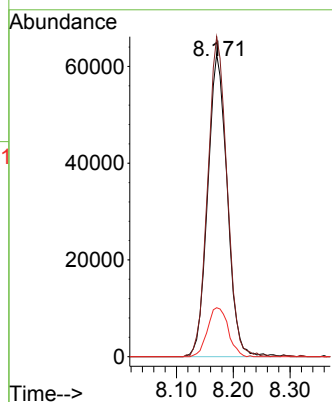
Tgt Ion:113 Resp: 148820

Ion Ratio Lower Upper

113 100

111 104.9 82.6 123.8

192 17.2 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.993 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079454.D

Acq: 06 Oct 2023 17:56

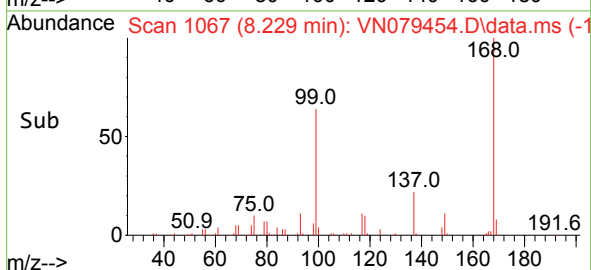
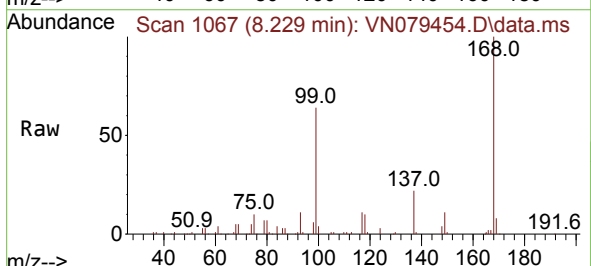
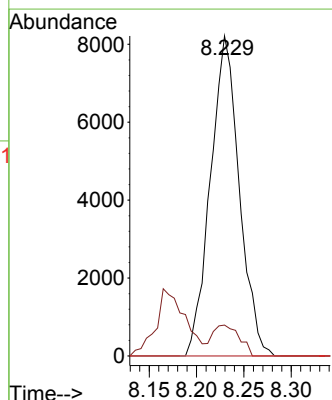
Tgt Ion: 75 Resp: 17433

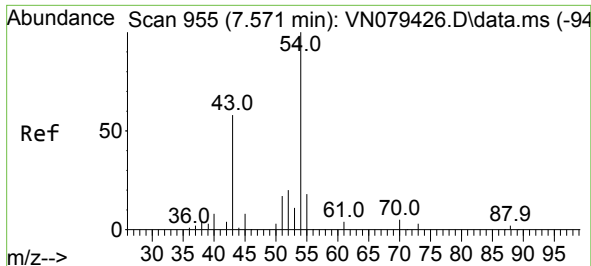
Ion Ratio Lower Upper

75 100

110 9.3 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.043 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.000 min

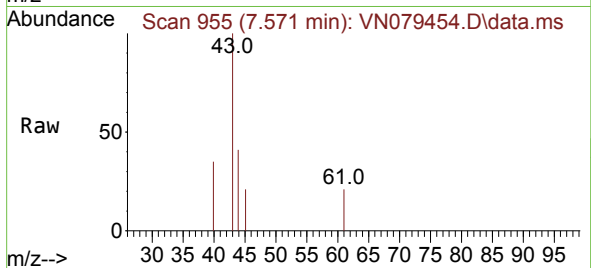
Lab File: VN079454.D

Acq: 06 Oct 2023 17:56

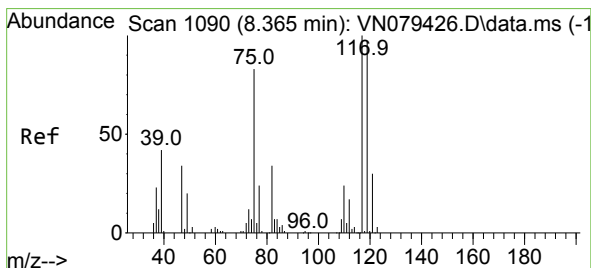
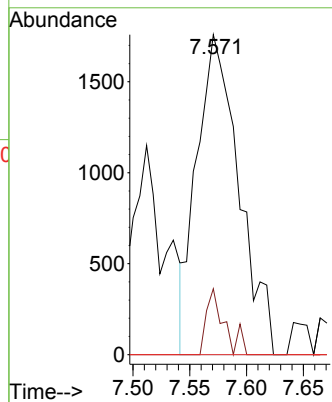
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 4532
Ion Ratio	Lower Upper
43	100
61	8.8 13.2 19.8#
70	0.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.922 ug/l

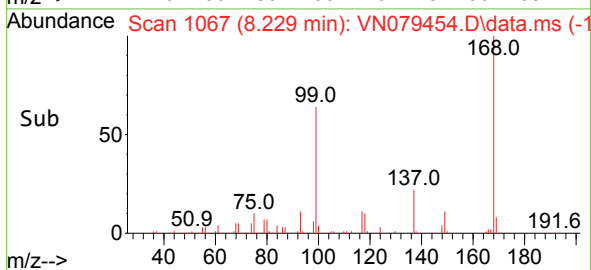
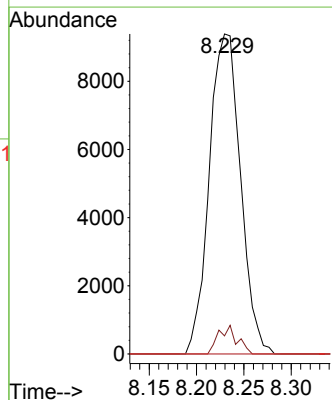
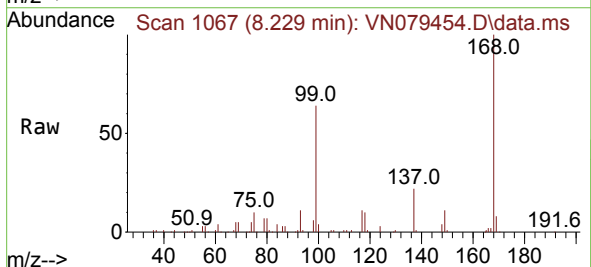
RT: 8.229 min Scan# 1067

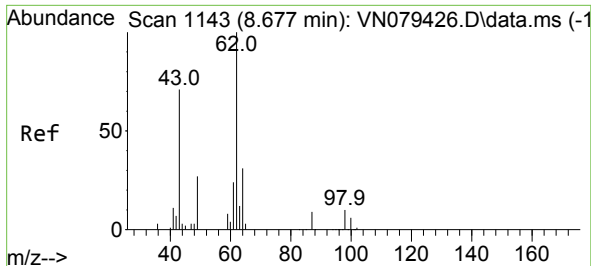
Delta R.T. -0.135 min

Lab File: VN079454.D

Acq: 06 Oct 2023 17:56

Tgt Ion: 117	Resp: 21515
Ion Ratio	Lower Upper
117	100
119	5.7 77.3 115.9#
121	0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.341 ug/l

RT: 8.676 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN079454.D

Acq: 06 Oct 2023 17:56

Instrument :

MSVOA_N

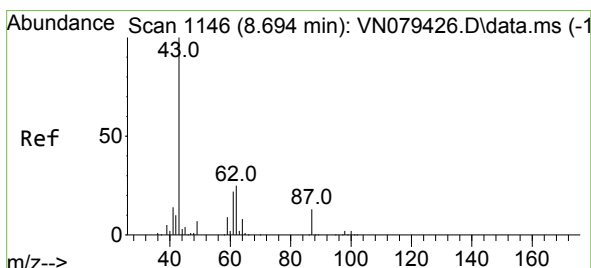
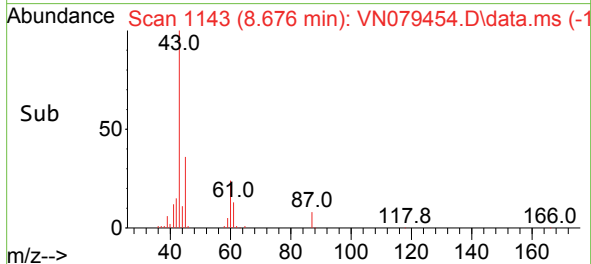
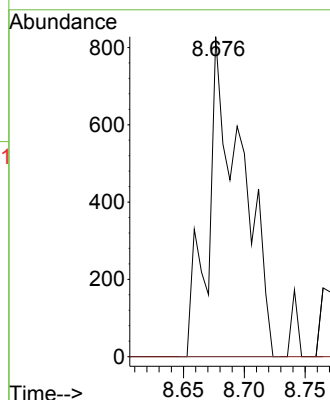
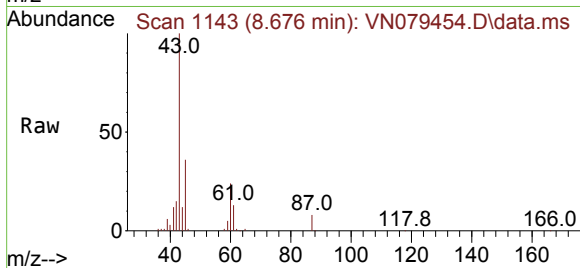
ClientSampleId :

Tgt Ion: 62 Resp: 1607

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 43.042 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. -0.000 min

Lab File: VN079454.D

Acq: 06 Oct 2023 17:56

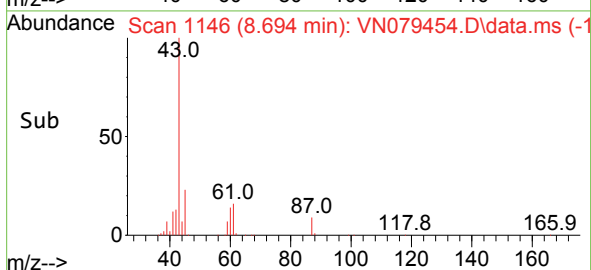
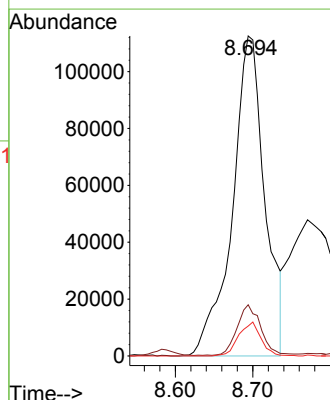
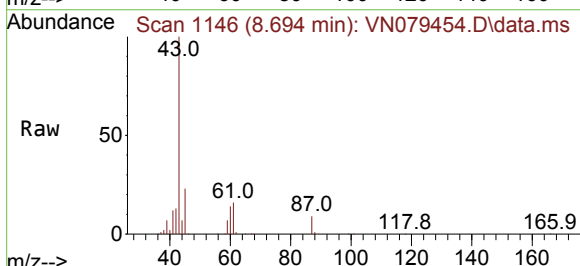
Tgt Ion: 43 Resp: 327626

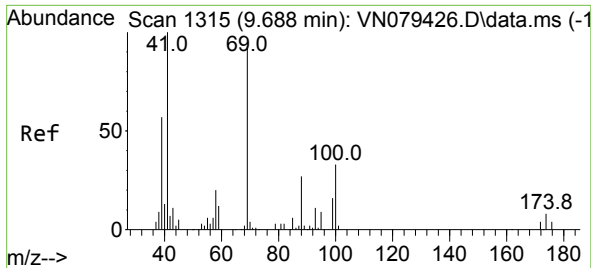
Ion Ratio Lower Upper

43 100

61 11.7 24.7 37.1#

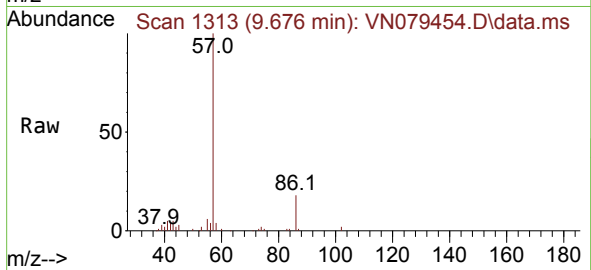
87 7.3 14.6 21.8#



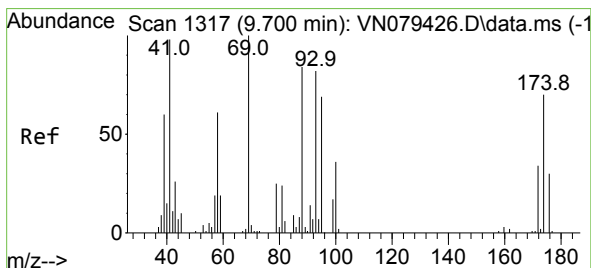
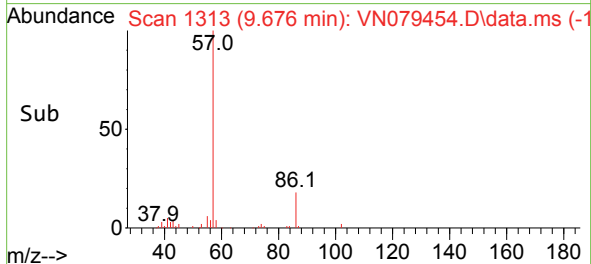
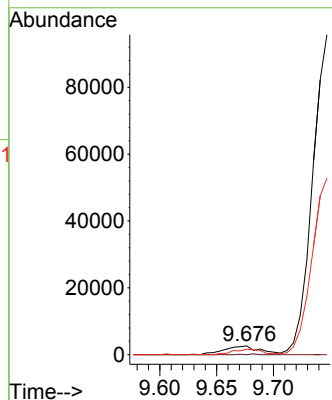


#48
Methyl methacrylate
Concen: 1.792 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Instrument :
MSVOA_N
ClientSampleId :

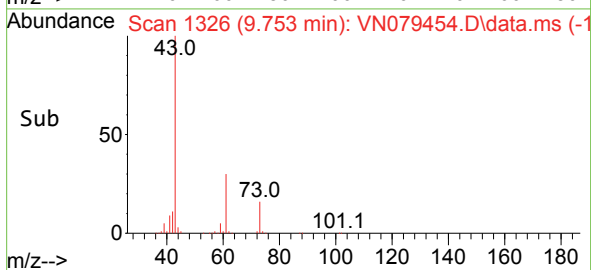
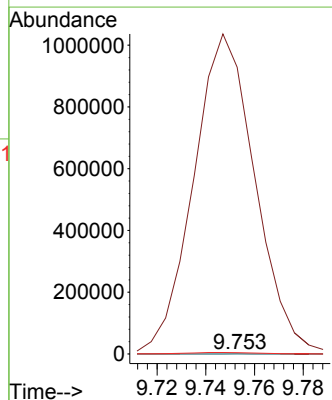
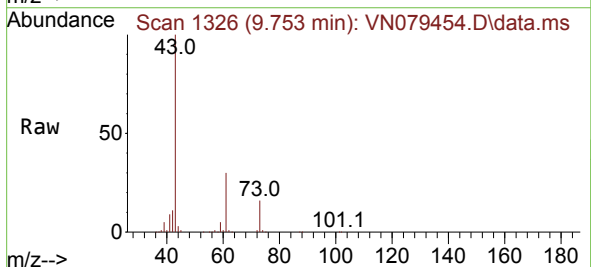


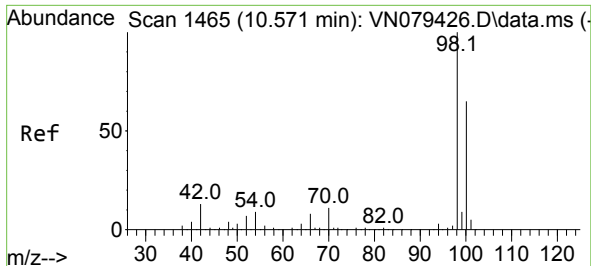
Tgt Ion: 41 Resp: 5846
Ion Ratio Lower Upper
41 100
69 2.7 90.4 135.6#
39 52.4 54.6 81.8#



#49
1,4-Dioxane
Concen: 4.977 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.053 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Tgt Ion: 88 Resp: 299
Ion Ratio Lower Upper
88 100
43 615087.3 17.0 25.6#
58 3331.4 47.0 70.4#

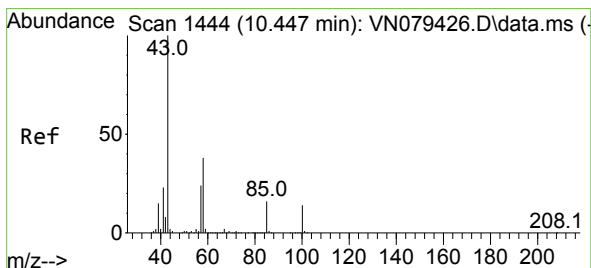
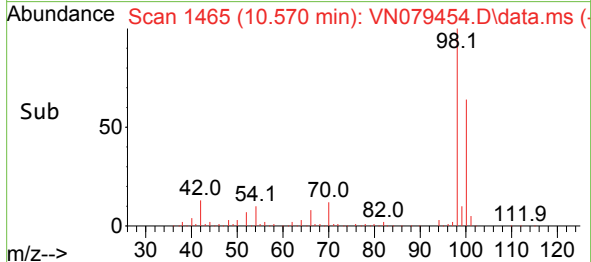
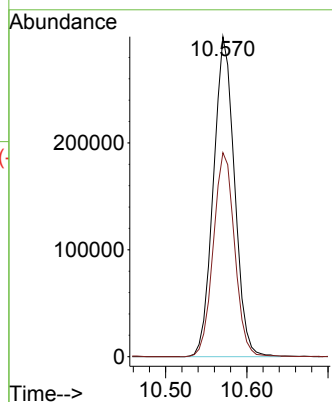
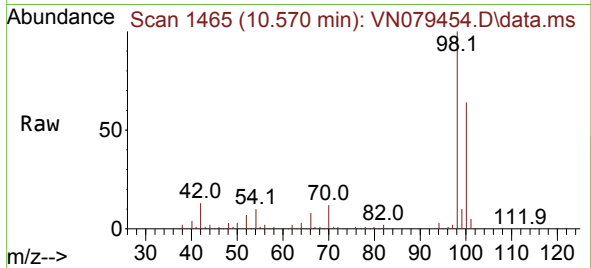




#50
Toluene-d8
Concen: 51.402 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

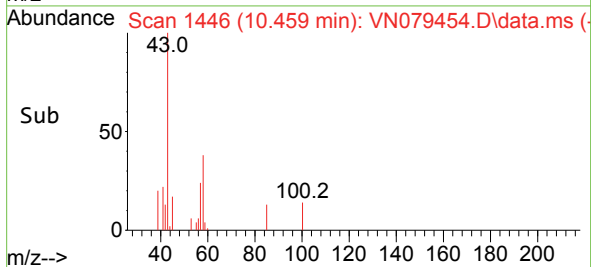
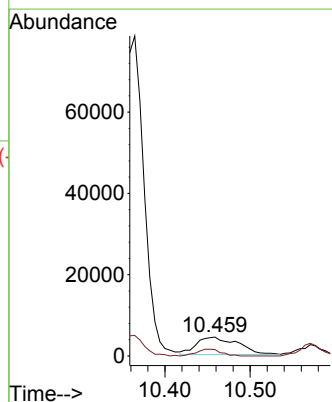
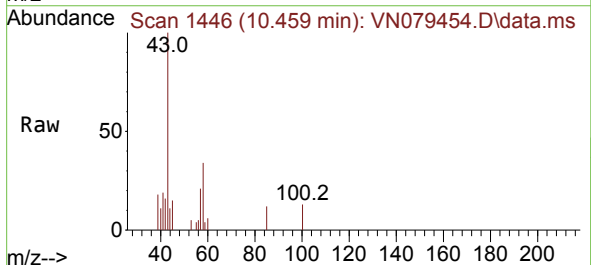
Instrument :
MSVOA_N
ClientSampleId :

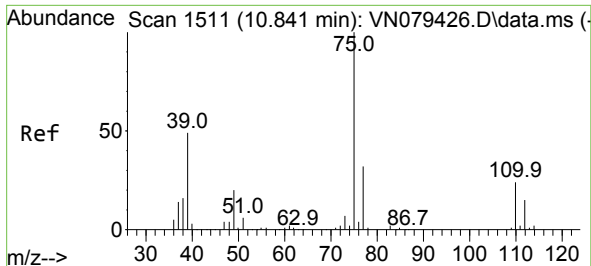
Tgt Ion: 98 Resp: 541082
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.373 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Tgt Ion: 43 Resp: 14491
Ion Ratio Lower Upper
43 100
58 22.9 36.6 54.8#

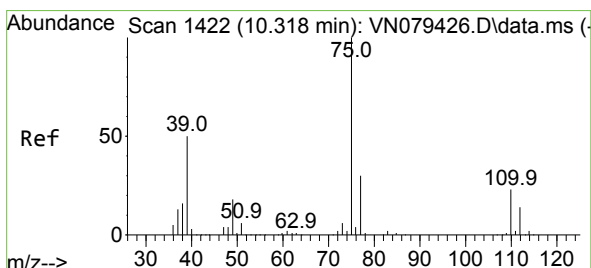
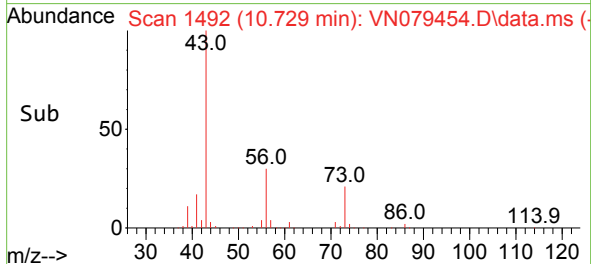
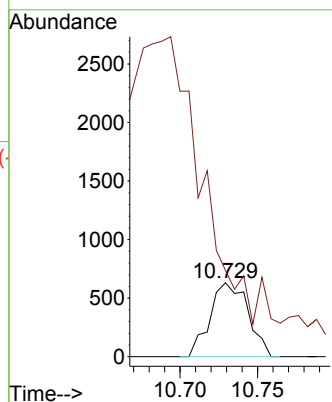
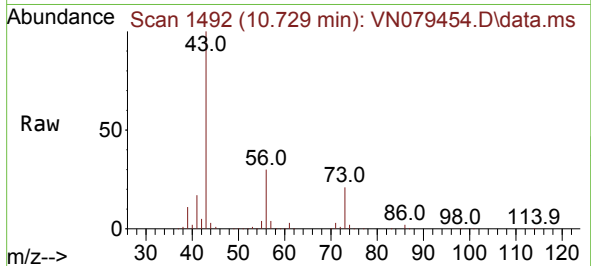




#53
 t-1,3-Dichloropropene
 Concen: 0.235 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.112 min
 Lab File: VN079454.D
 Acq: 06 Oct 2023 17:56

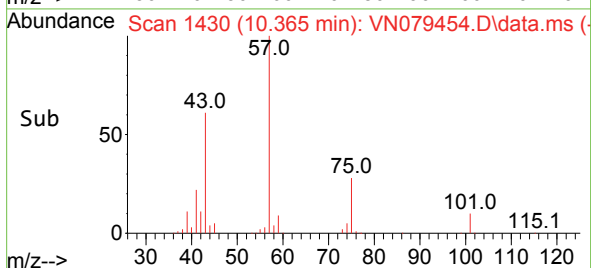
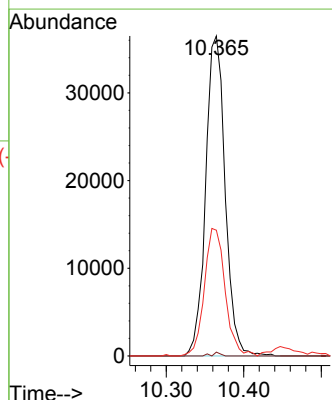
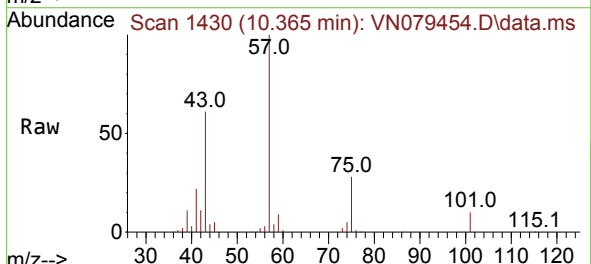
Instrument :
 MSVOA_N
 ClientSampleId :

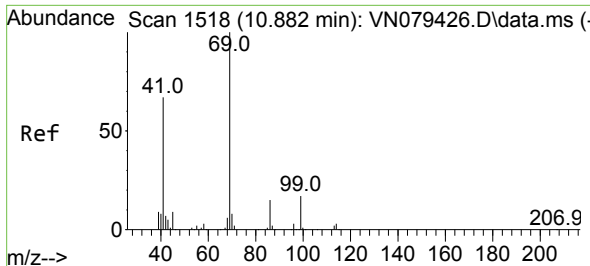
Tgt Ion: 75 Resp: 1078
 Ion Ratio Lower Upper
 75 100
 77 71.4 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 12.688 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079454.D
 Acq: 06 Oct 2023 17:56

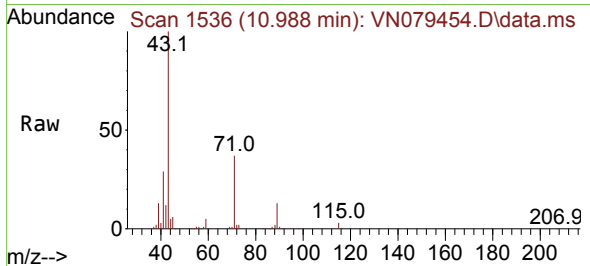
Tgt Ion: 75 Resp: 63714
 Ion Ratio Lower Upper
 75 100
 77 1.2 26.1 39.1#
 39 39.3 31.6 47.4



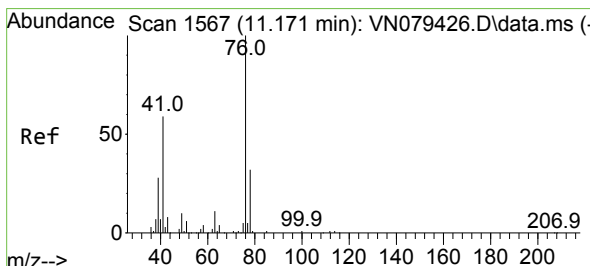
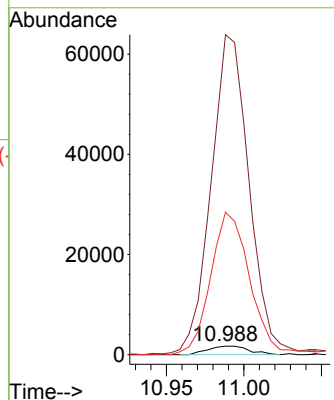
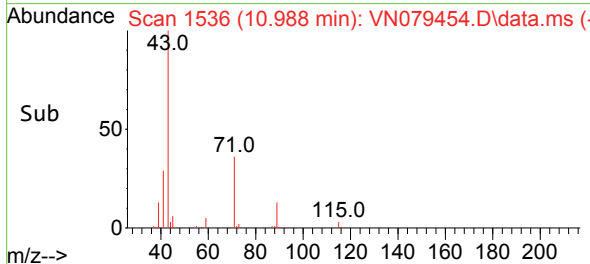


#56
Ethyl methacrylate
Concen: 0.754 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.106 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

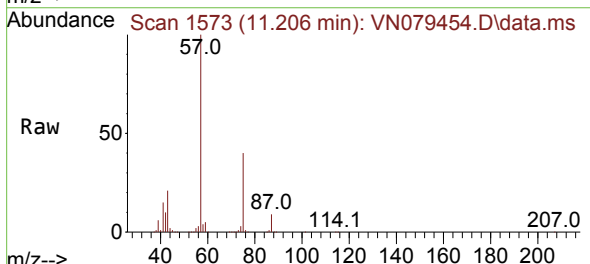
Instrument :
MSVOA_N
ClientSampleId :



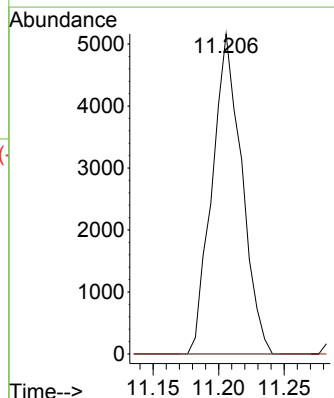
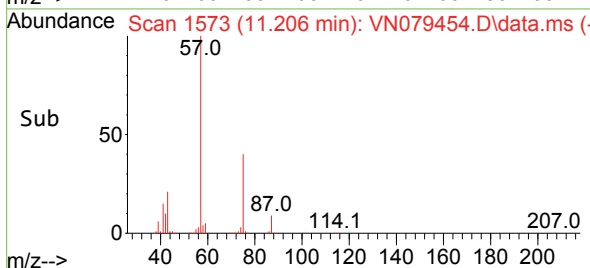
Tgt Ion: 69 Resp: 3177
Ion Ratio Lower Upper
69 100
41 3441.1 39.6 59.4#
39 1583.1 28.6 43.0#

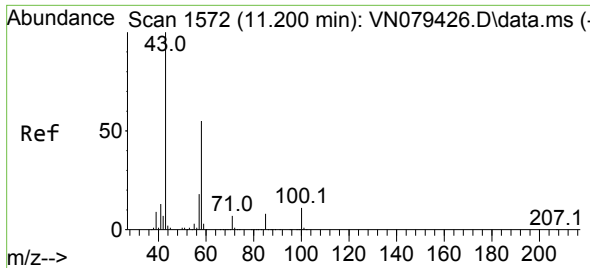


#57
1,3-Dichloropropane
Concen: 1.536 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.035 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56



Tgt Ion: 76 Resp: 8130
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

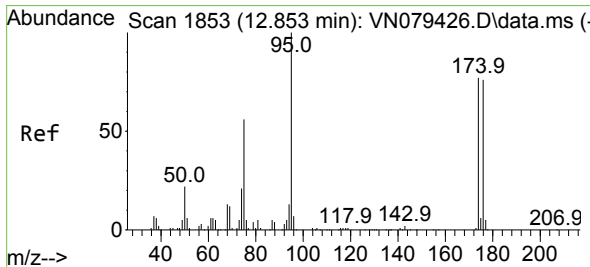
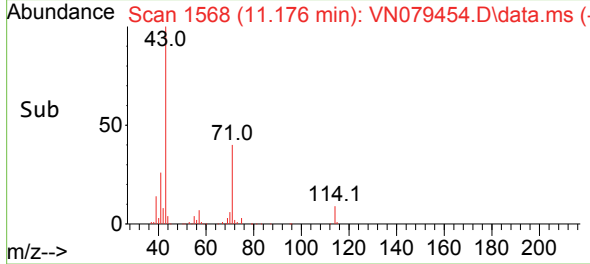
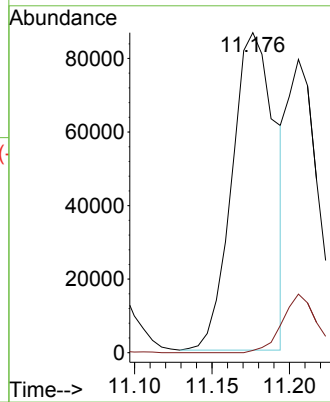
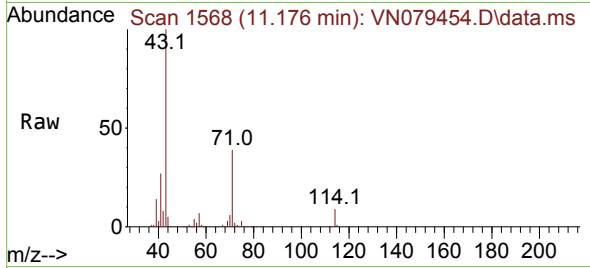




#59
2-Hexanone
Concen: 54.198 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

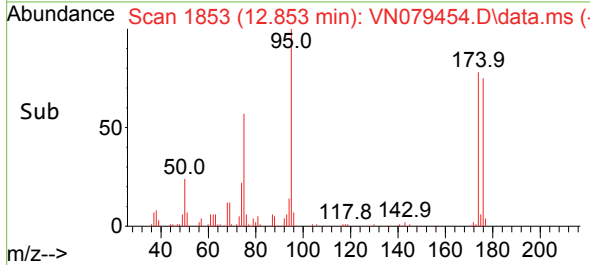
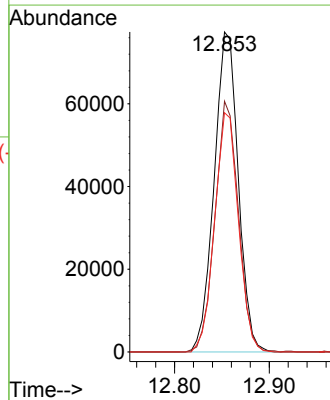
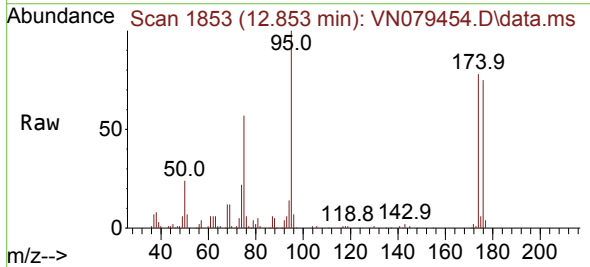
Instrument :
MSVOA_N
ClientSampleId :

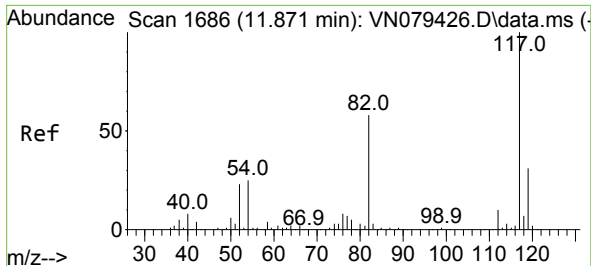
Tgt Ion: 43 Resp: 168045
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 40.539 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

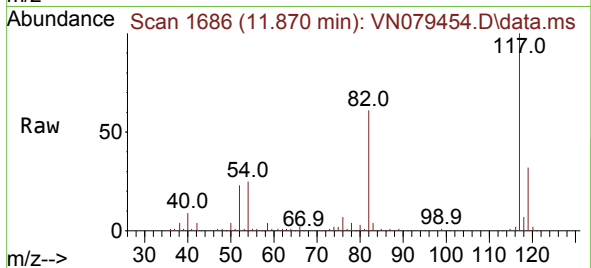
Tgt Ion: 95 Resp: 136946
Ion Ratio Lower Upper
95 100
174 76.0 0.0 143.8
176 73.8 0.0 135.8



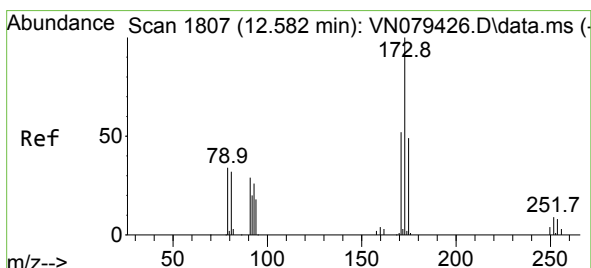
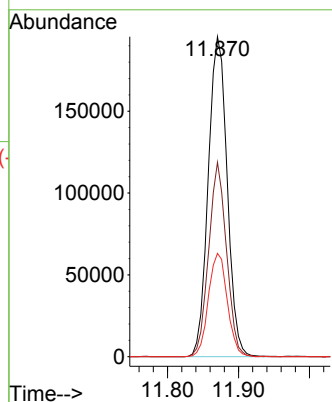
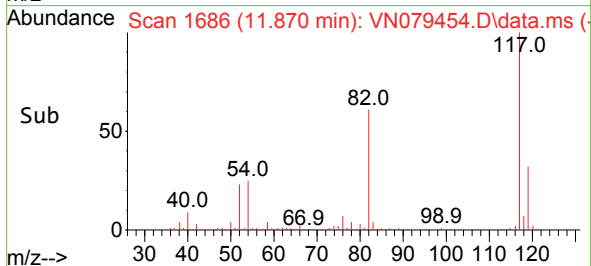


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

Instrument :
MSVOA_N
ClientSampleId :

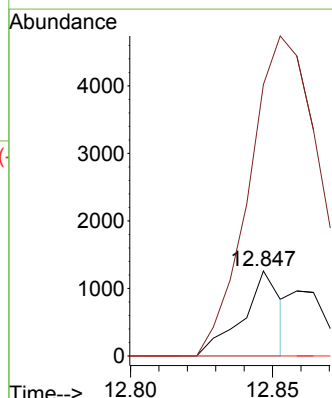
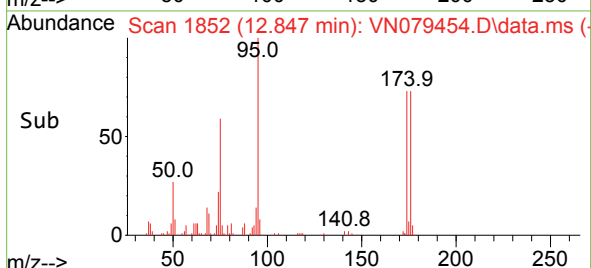
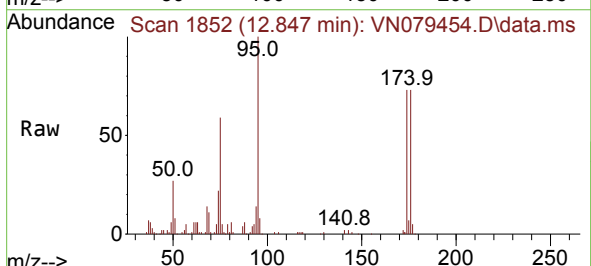


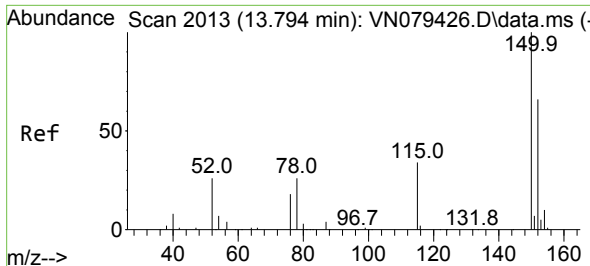
Tgt Ion:117 Resp: 361590
Ion Ratio Lower Upper
117 100
82 60.8 44.0 66.0
119 32.3 25.6 38.4



#71
Bromoform
Concen: 0.543 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079454.D
Acq: 06 Oct 2023 17:56

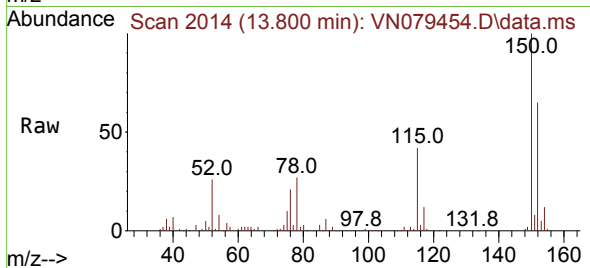
Tgt Ion:173 Resp: 1172
Ion Ratio Lower Upper
173 100
175 512.2 24.3 73.0#
254 0.0 0.0 0.0



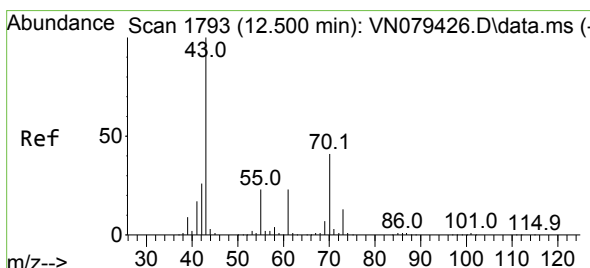
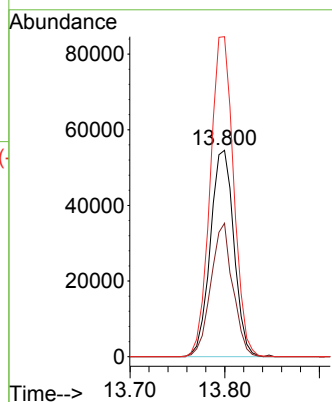
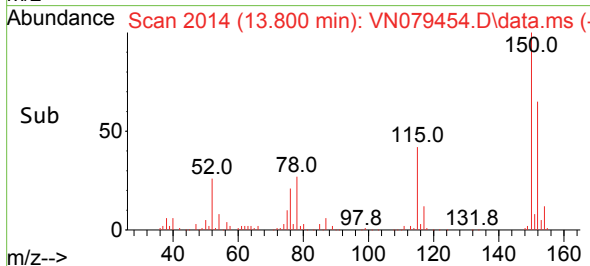


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.800 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN079454.D
 Acq: 06 Oct 2023 17:56

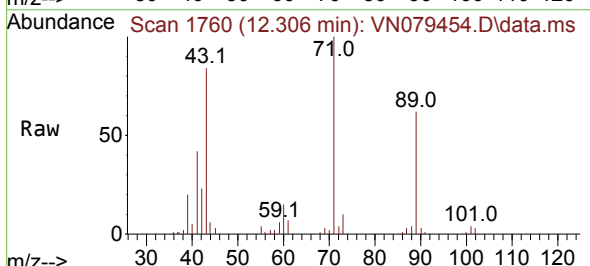
Instrument :
 MSVOA_N
 ClientSampleId :



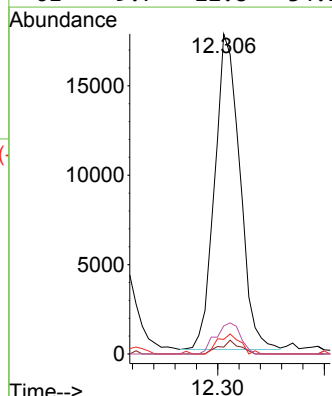
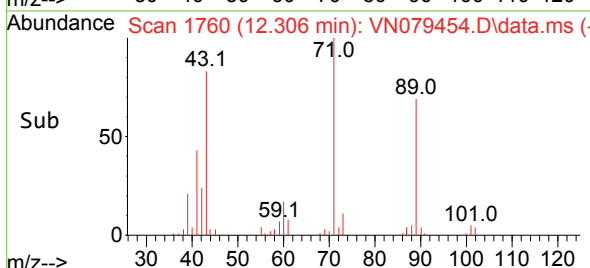
Tgt Ion:152 Resp: 94536
 Ion Ratio Lower Upper
 152 100
 115 60.3 32.3 96.8
 150 154.1 0.0 355.8

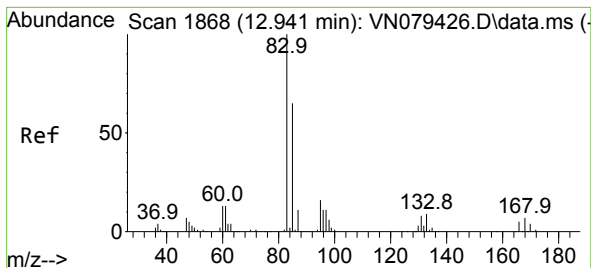


#74
 N-ethyl acetate
 Concen: 8.021 ug/l
 RT: 12.306 min Scan# 1760
 Delta R.T. -0.194 min
 Lab File: VN079454.D
 Acq: 06 Oct 2023 17:56



Tgt Ion: 43 Resp: 28922
 Ion Ratio Lower Upper
 43 100
 70 3.4 43.4 65.2#
 55 5.6 21.4 32.0#
 61 9.7 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.864 min Scan# 1855

Delta R.T. -0.077 min

Lab File: VN079454.D

Acq: 06 Oct 2023 17:56

Instrument :

MSVOA_N

ClientSampleId :

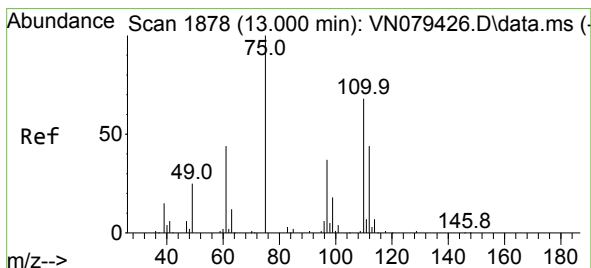
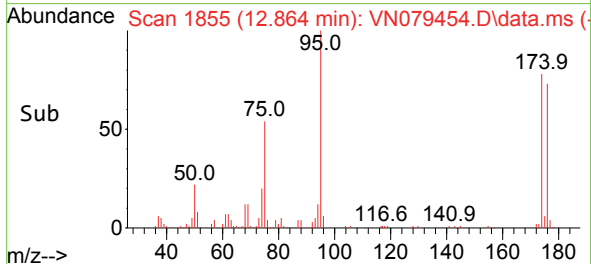
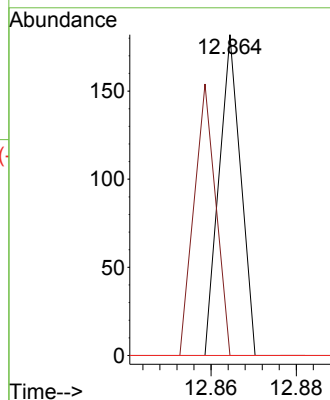
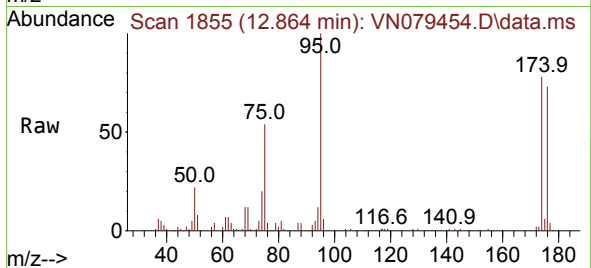
Tgt Ion: 83 Resp: 64

Ion Ratio Lower Upper

83 100

131 84.4 5.0 15.0#

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 28.050 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079454.D

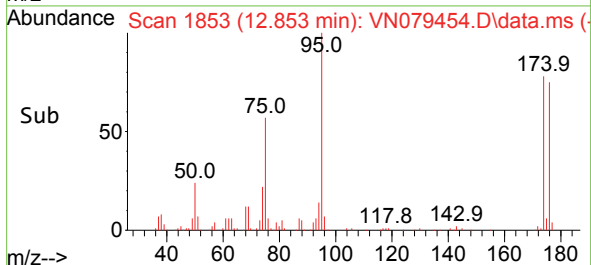
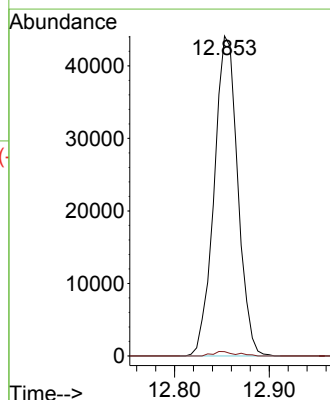
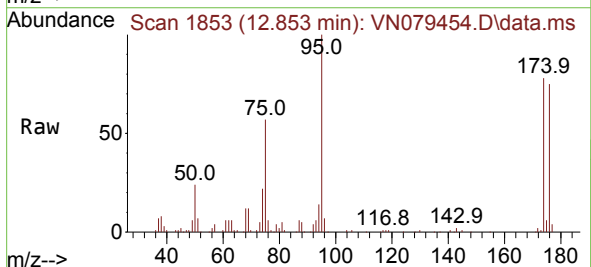
Acq: 06 Oct 2023 17:56

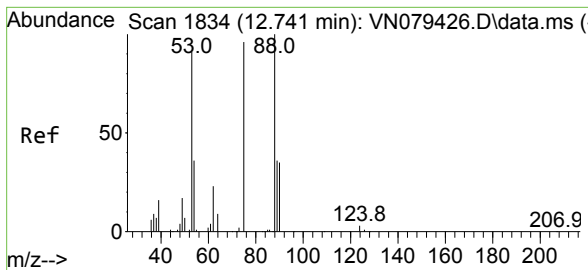
Tgt Ion: 75 Resp: 76457

Ion Ratio Lower Upper

75 100

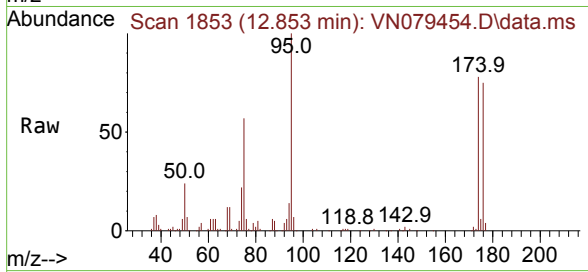
77 1.4 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.389 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079454.D
 Acq: 06 Oct 2023 17:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	76457
Ion	Ratio	Lower	Upper
75	100		
53	0.1	67.4	101.2#
89	0.3	38.8	58.2#

