

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100623\
 Data File : VN079453.D
 Acq On : 06 Oct 2023 17:31
 Operator : JC\MD
 Sample : PB156147ZHE#08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 06 23:06:33 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)

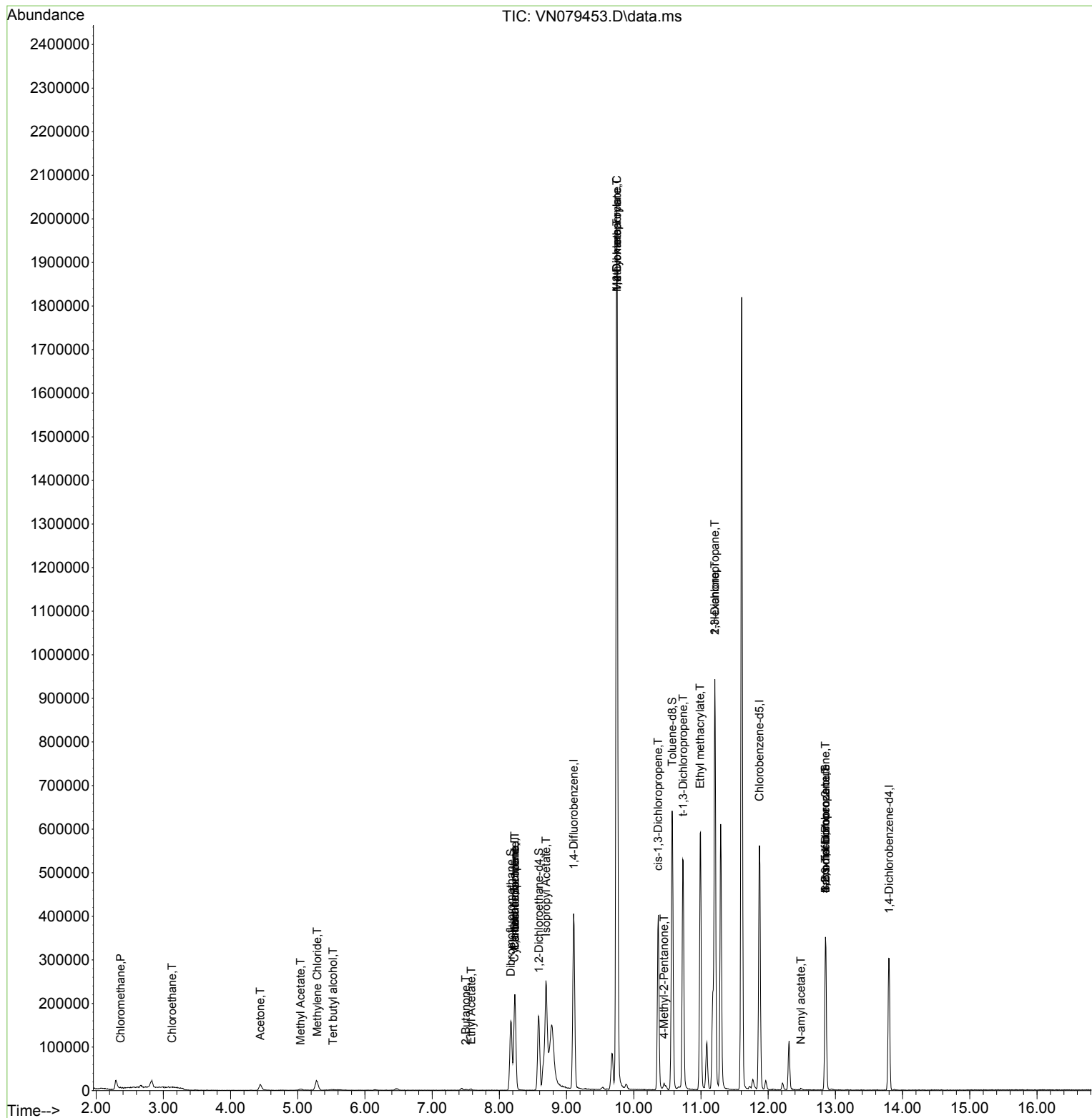
Internal Standards						
1) Pentafluorobenzene	8.229	168	151425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	332532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	326256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	83262	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	138860	56.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.120%			
35) Dibromofluoromethane	8.171	113	114113	47.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.500%			
50) Toluene-d8	10.571	98	435816	50.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.800%			
62) 4-Bromofluorobenzene	12.853	95	116158	41.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 83.720%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	713	0.263	ug/l #	42
6) Chloroethane	3.130	64	462	0.218	ug/l #	43
11) Tert butyl alcohol	5.524	59	442	1.196	ug/l #	72
16) Acetone	4.442	43	25100	25.775	ug/l #	86
18) Methyl Acetate	5.041	43	6365	1.335	ug/l #	61
20) Methylene Chloride	5.289	84	16243	7.100	ug/l	95
25) 2-Butanone	7.500	43	3108	2.150	ug/l #	64
31) Cyclohexane	8.224	56	4464	1.282	ug/l #	26
36) 1,1-Dichloropropene	8.229	75	14162	3.949	ug/l #	49
37) Ethyl Acetate	7.582	43	4507	1.263	ug/l #	78
38) Carbon Tetrachloride	8.229	117	16923	4.713	ug/l #	17
43) Isopropyl Acetate	8.694	43	328127	52.480	ug/l #	69
45) 1,2-Dichloropropane	9.747	63	2634	0.939	ug/l #	45
48) Methyl methacrylate	9.747	41	188842	70.483	ug/l #	30
49) 1,4-Dioxane	9.747	88	58	1.175	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	7484	2.120	ug/l	100
53) t-1,3-Dichloropropene	10.735	75	1148	0.305	ug/l #	80
54) cis-1,3-Dichloropropene	10.365	75	64919	15.739	ug/l #	73
56) Ethyl methacrylate	10.988	69	3031	0.876	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	8946	2.058	ug/l #	42
59) 2-Hexanone	11.206	43	119596	46.958	ug/l #	47
71) Bromoform	12.853	173	1096	0.563	ug/l #	1
74) N-amyl acetate	12.488	43	1848	0.582	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.853	83	79	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	63435	26.424	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	63435	76.670	ug/l #	15

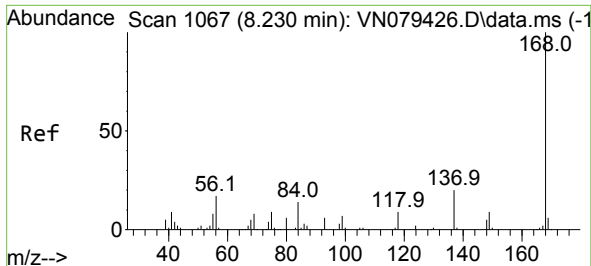
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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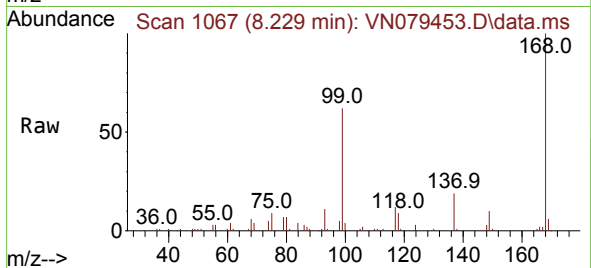
Quant Time: Oct 06 23:06:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 06 03:34:49 2023
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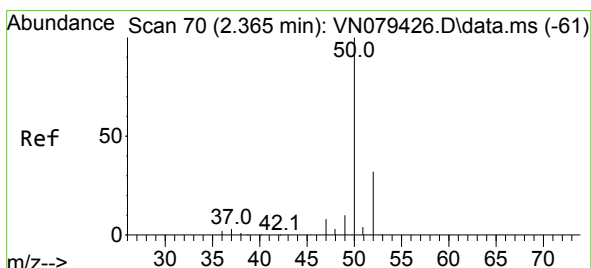
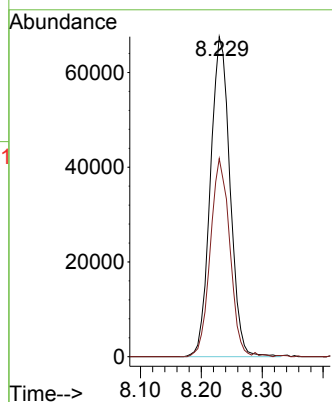
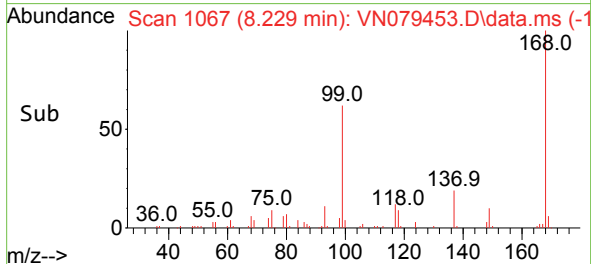


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

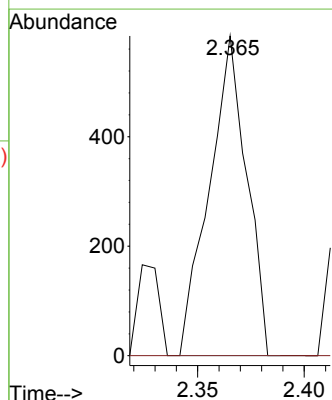
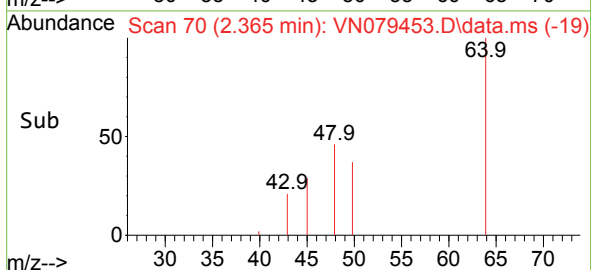
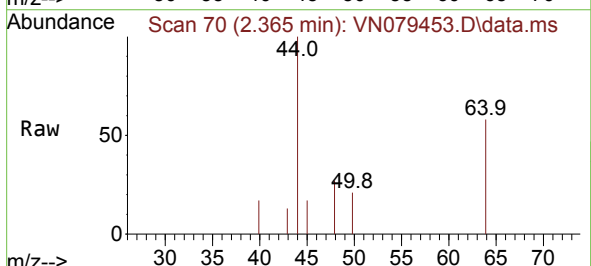


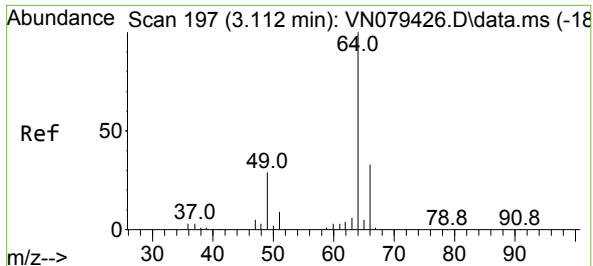
Tgt Ion:168 Resp: 151425
Ion Ratio Lower Upper
168 100
99 61.9 53.0 79.6



#3
Chloromethane
Concen: 0.263 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Tgt Ion: 50 Resp: 713
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

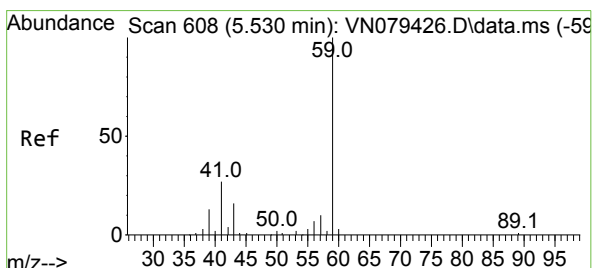
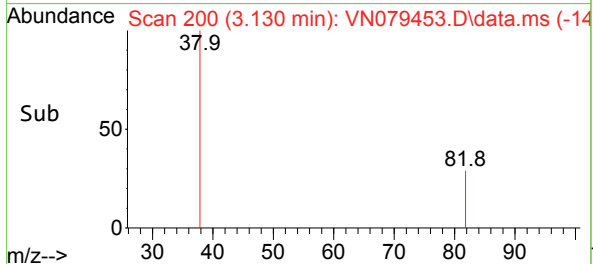
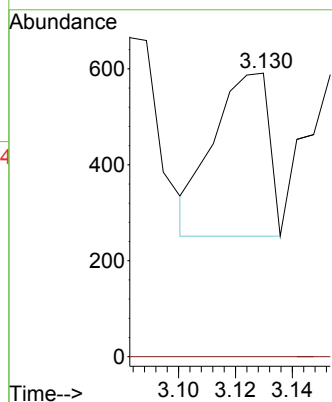
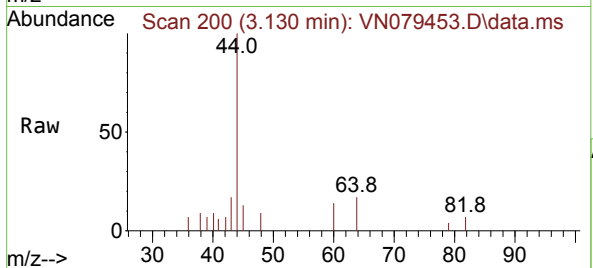




#6
Chloroethane
Concen: 0.218 ug/l
RT: 3.130 min Scan# 20
Delta R.T. 0.018 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

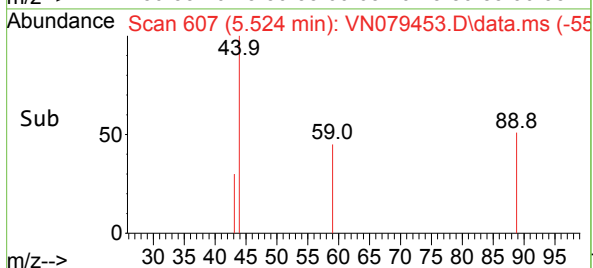
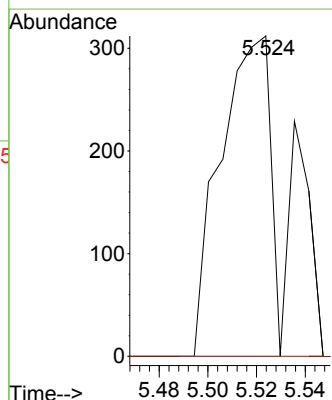
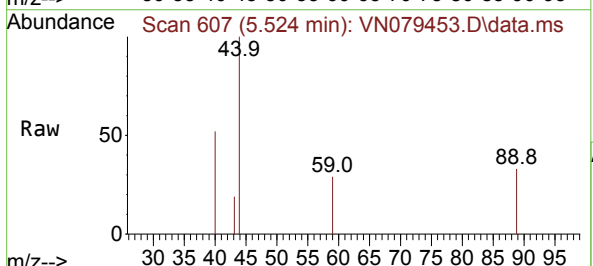
Instrument :
MSVOA_N
ClientSampleId :

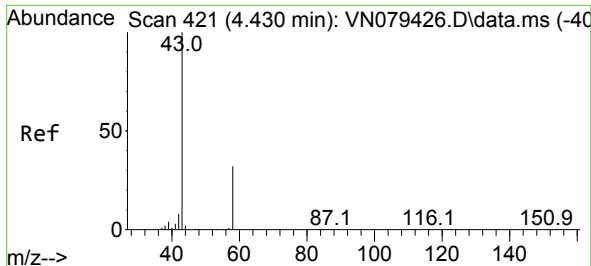
Tgt Ion: 64 Resp: 462
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.196 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Tgt Ion: 59 Resp: 442
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

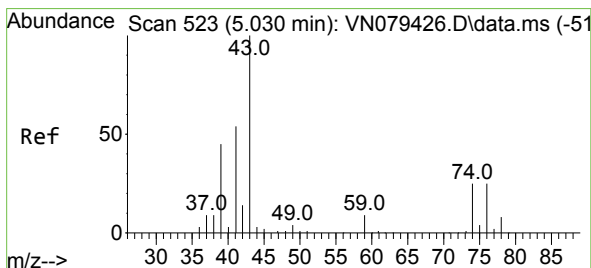
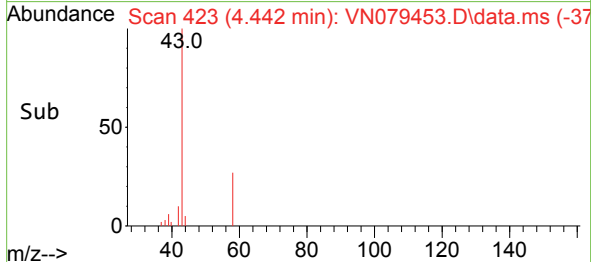
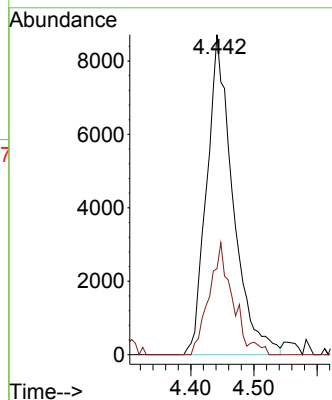
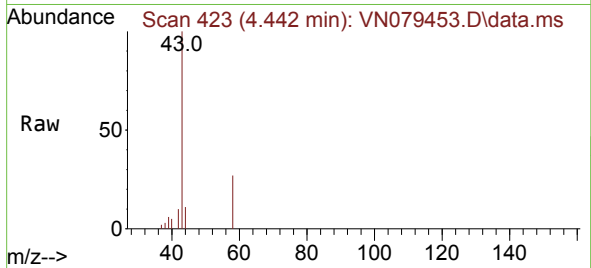




#16
Acetone
Concen: 25.775 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

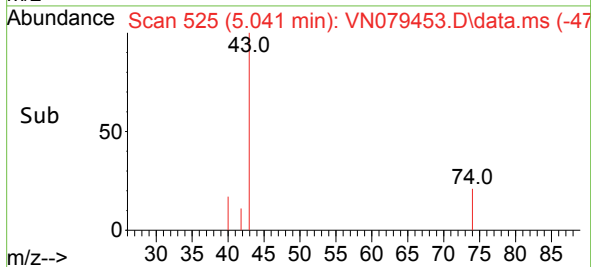
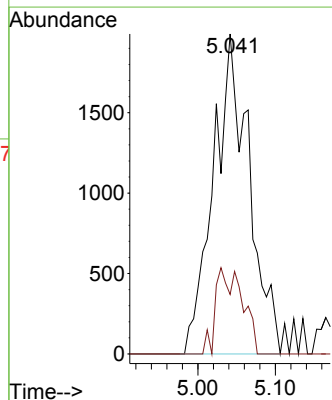
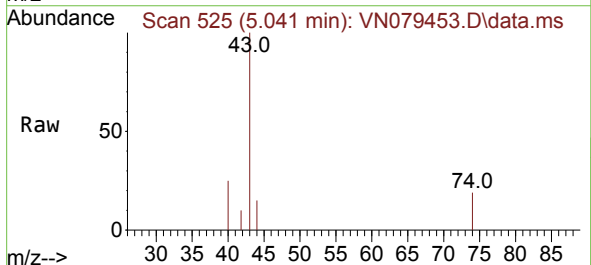
Instrument :
MSVOA_N
ClientSampleId :

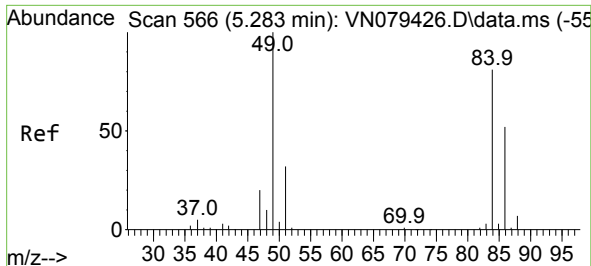
Tgt Ion: 43 Resp: 25100
Ion Ratio Lower Upper
43 100
58 26.8 28.0 42.0#



#18
Methyl Acetate
Concen: 1.335 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

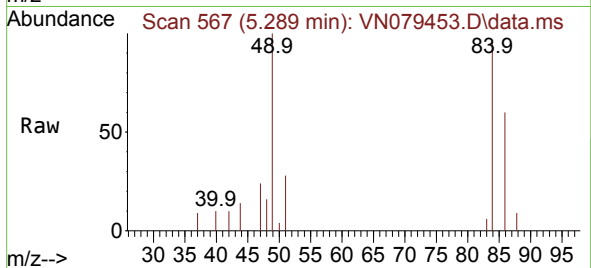
Tgt Ion: 43 Resp: 6365
Ion Ratio Lower Upper
43 100
74 10.7 26.2 39.4#



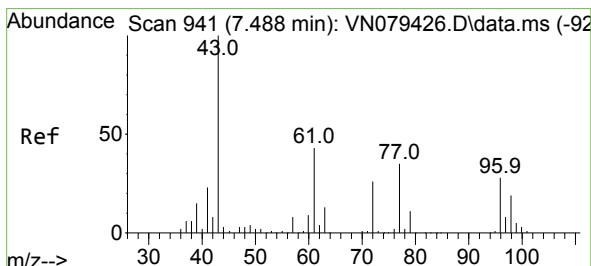
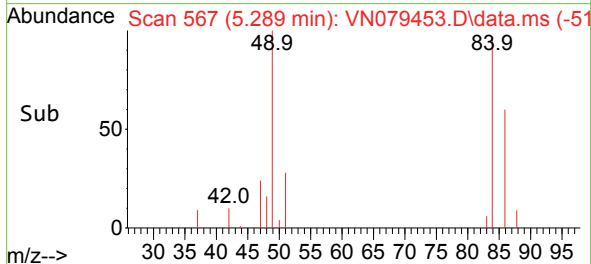
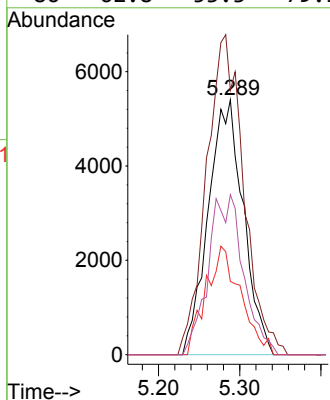


#20
Methylene Chloride
Concen: 7.100 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

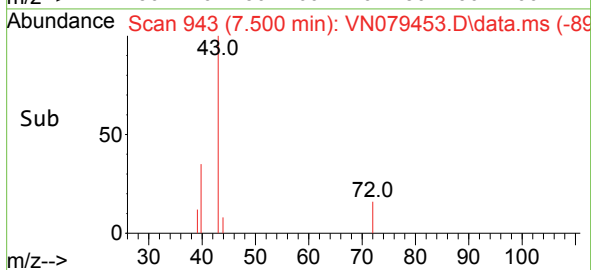
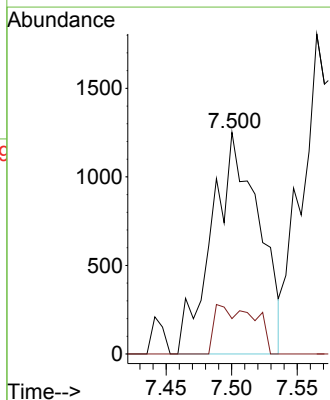
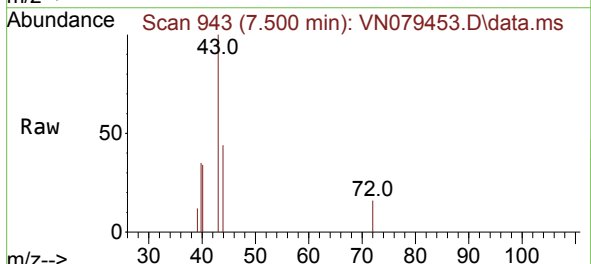


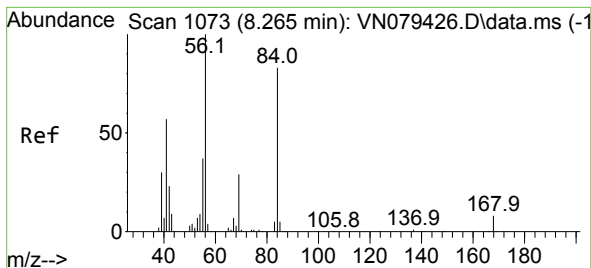
Tgt Ion:	84	Resp:	16243
Ion	Ratio	Lower	Upper
84	100		
49	103.8	79.7	119.5
51	28.8	25.2	37.8
86	62.8	53.3	79.9



#25
2-Butanone
Concen: 2.150 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Tgt Ion:	43	Resp:	3108
Ion	Ratio	Lower	Upper
43	100		
72	16.0	30.2	45.2#





#31

Cyclohexane

Concen: 1.282 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.041 min

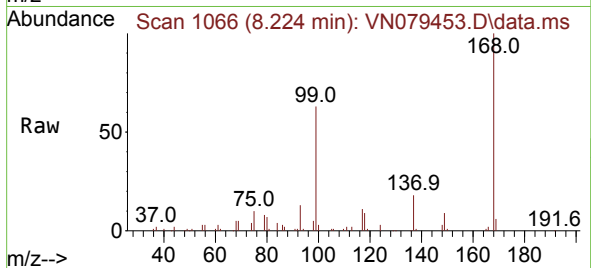
Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :



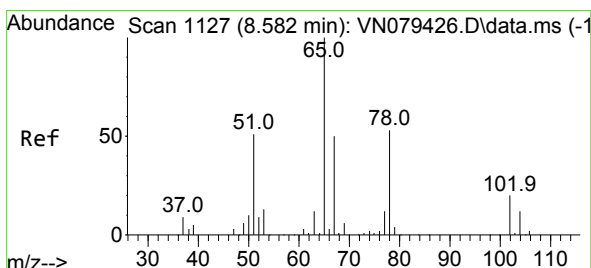
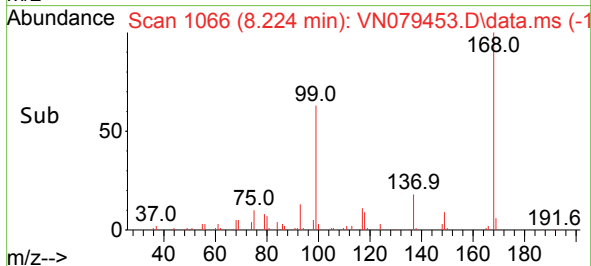
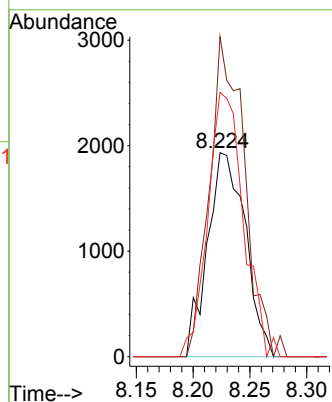
Tgt Ion: 56 Resp: 4464

Ion Ratio Lower Upper

56 100

69 156.8 26.8 40.2#

84 129.5 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 56.557 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN079453.D

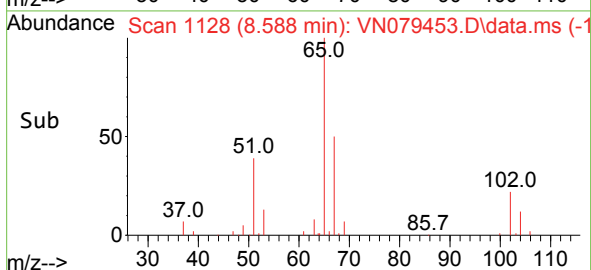
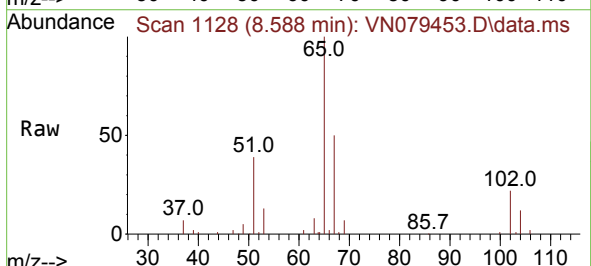
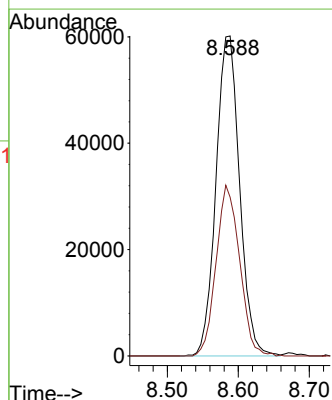
Acq: 06 Oct 2023 17:31

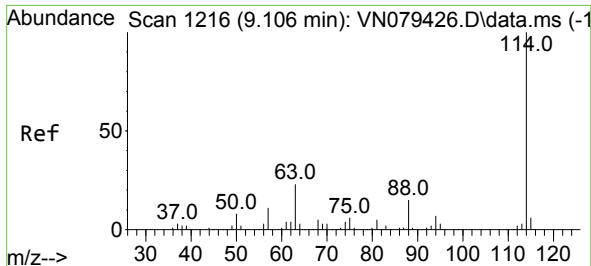
Tgt Ion: 65 Resp: 138860

Ion Ratio Lower Upper

65 100

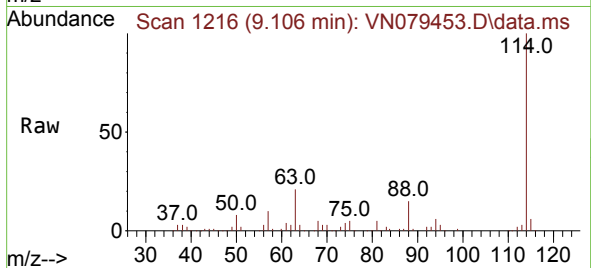
67 53.2 0.0 106.6



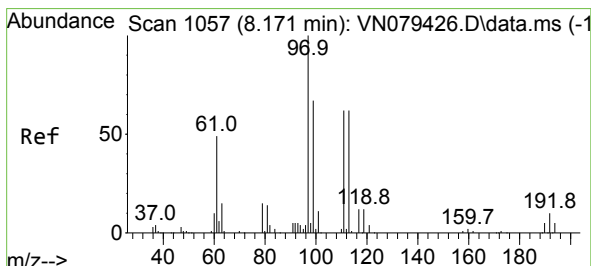
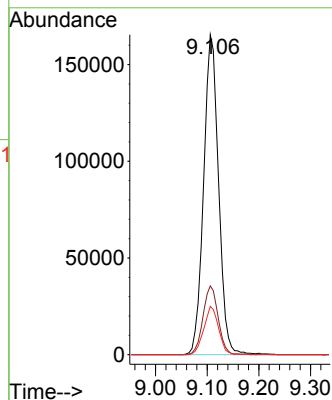
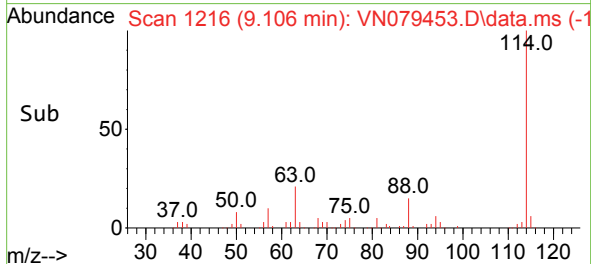


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Instrument :
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ClientSampleId :

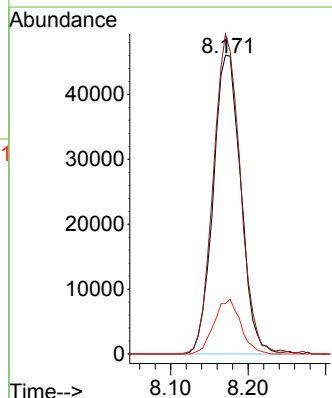
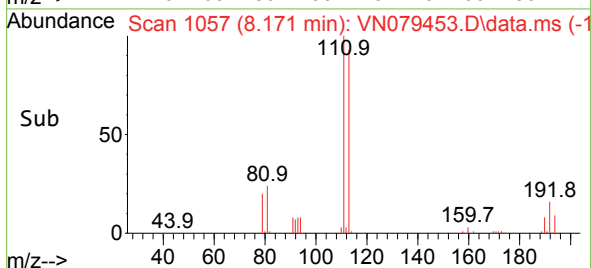
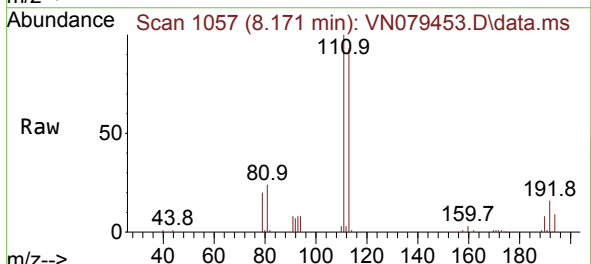


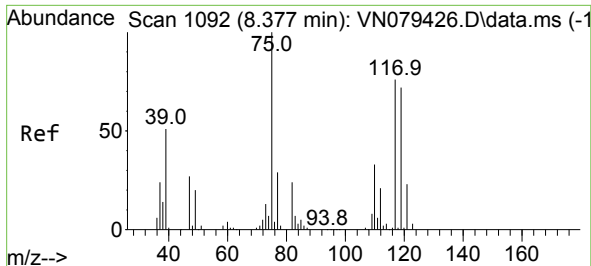
Tgt Ion:114 Resp: 332532
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 47.752 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

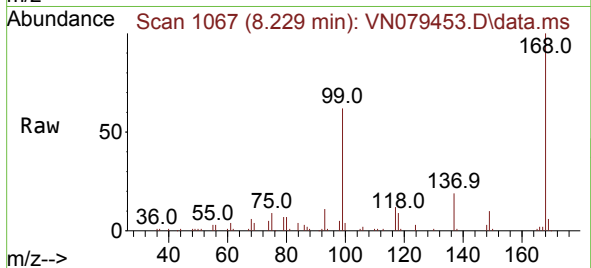
Tgt Ion:113 Resp: 114113
Ion Ratio Lower Upper
113 100
111 105.0 82.6 123.8
192 17.6 12.7 19.1



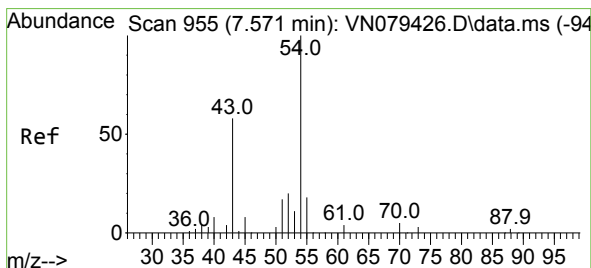
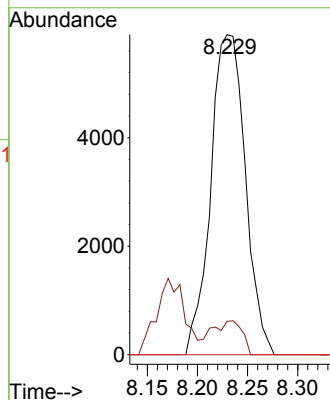
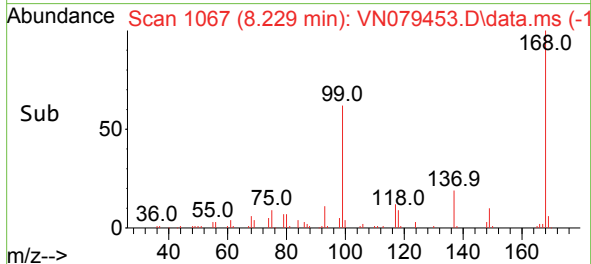


#36
1,1-Dichloropropene
Concen: 3.949 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

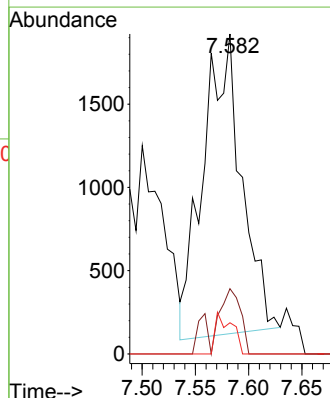
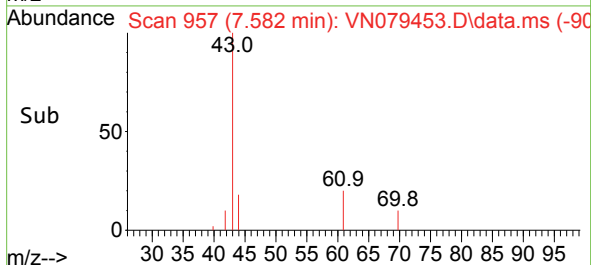
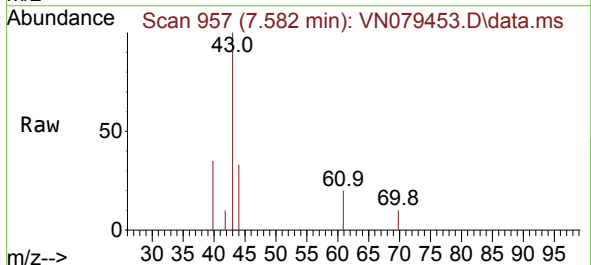


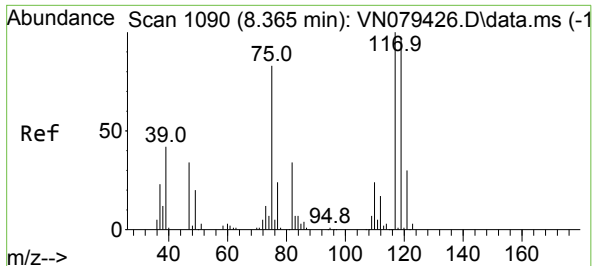
Tgt Ion: 75 Resp: 14162
Ion Ratio Lower Upper
75 100
110 9.6 19.1 57.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.263 ug/l
RT: 7.582 min Scan# 957
Delta R.T. 0.012 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

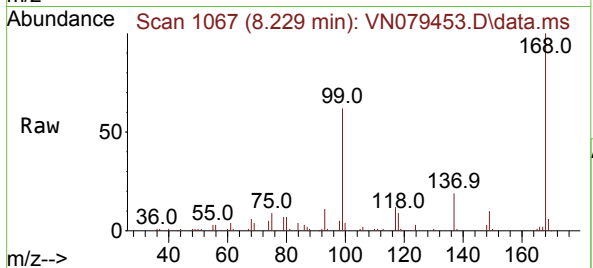
Tgt Ion: 43 Resp: 4507
Ion Ratio Lower Upper
43 100
61 11.6 13.2 19.8#
70 0.0 11.3 16.9#



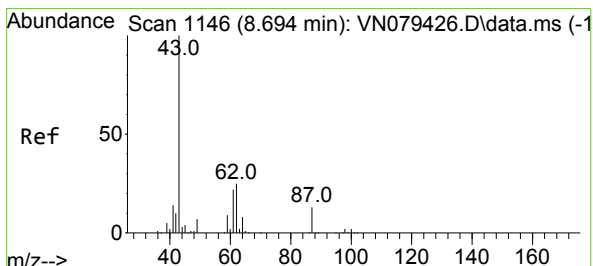
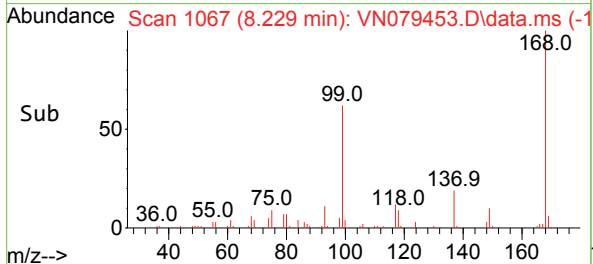
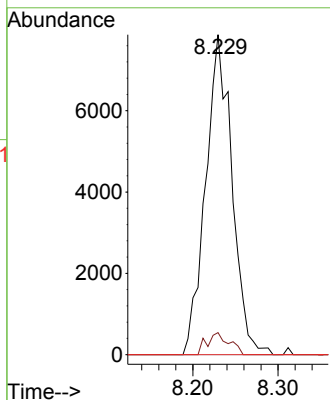


#38
Carbon Tetrachloride
Concen: 4.713 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Instrument :
MSVOA_N
ClientSampleId :

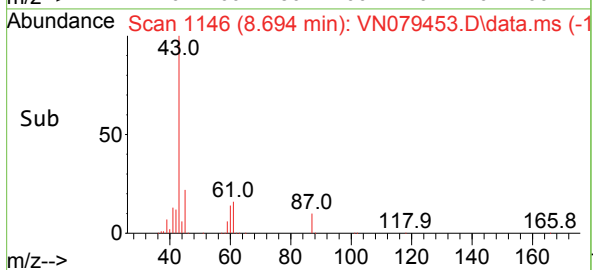
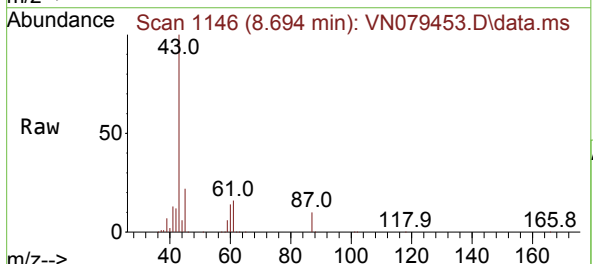
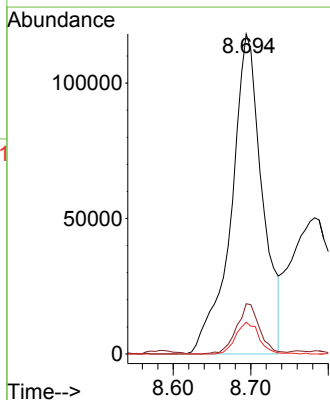


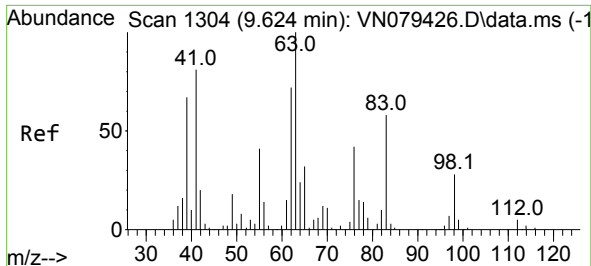
Tgt Ion:117 Resp: 16923
Ion Ratio Lower Upper
117 100
119 6.9 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 52.480 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Tgt Ion: 43 Resp: 328127
Ion Ratio Lower Upper
43 100
61 11.7 24.7 37.1#
87 7.5 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.939 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

Instrument :

MSVOA_N

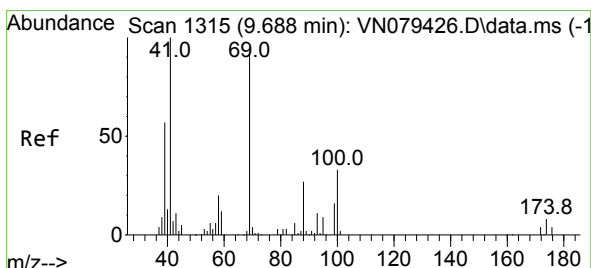
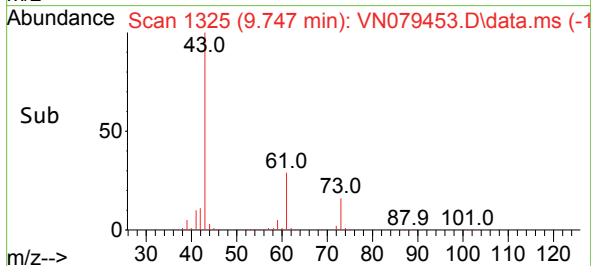
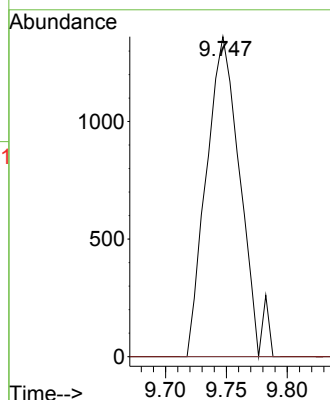
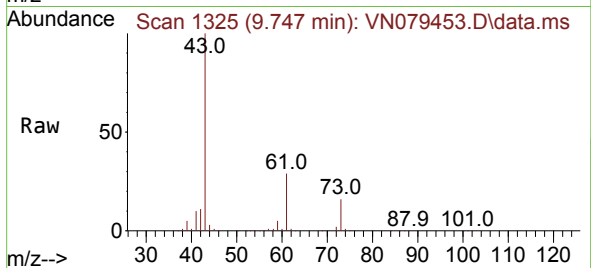
ClientSampleId :

Tgt Ion: 63 Resp: 2634

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 70.483 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.059 min

Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

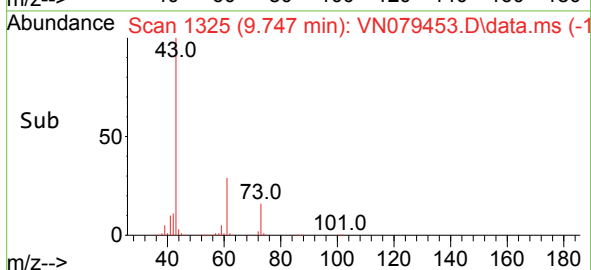
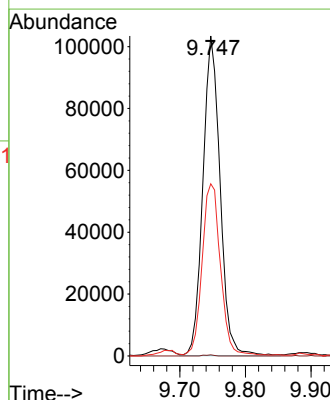
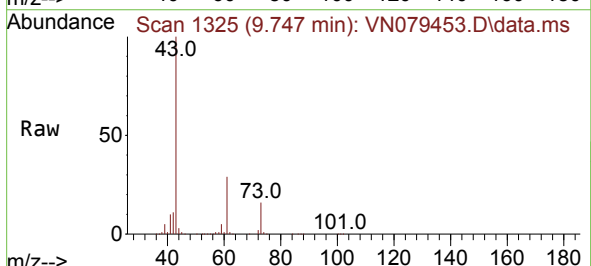
Tgt Ion: 41 Resp: 188842

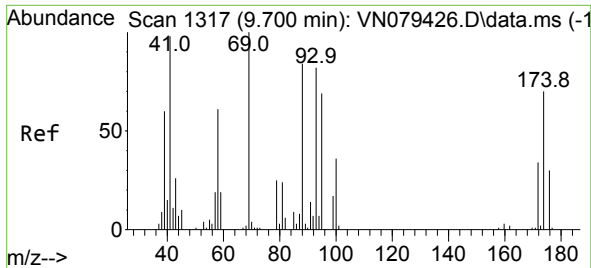
Ion Ratio Lower Upper

41 100

69 0.2 90.4 135.6#

39 57.6 54.6 81.8

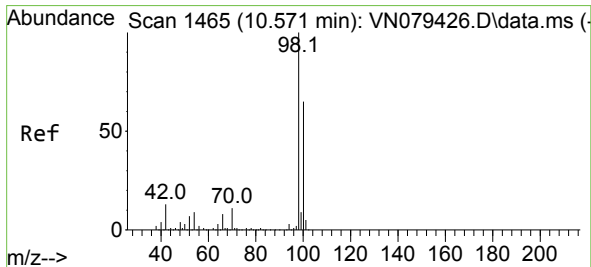
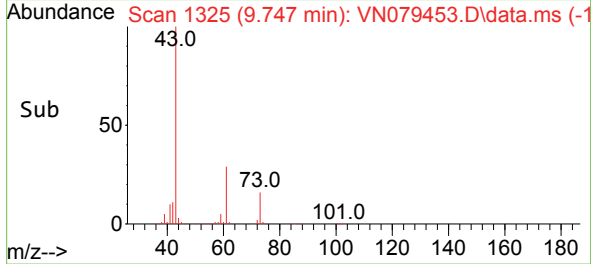
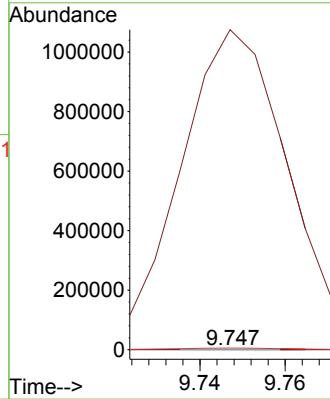
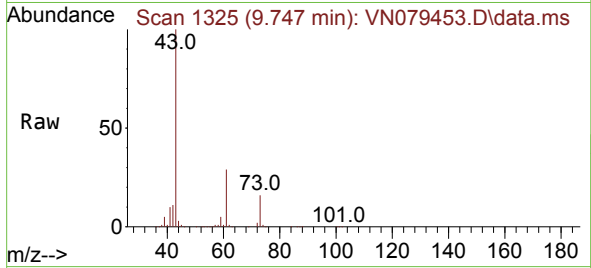




#49
1,4-Dioxane
Concen: 1.175 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

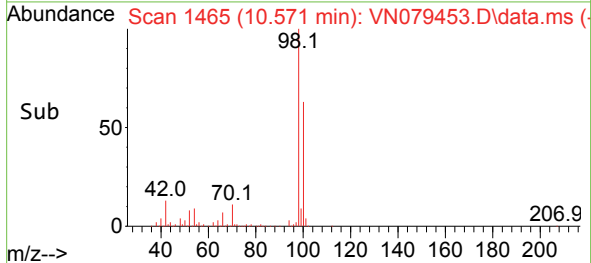
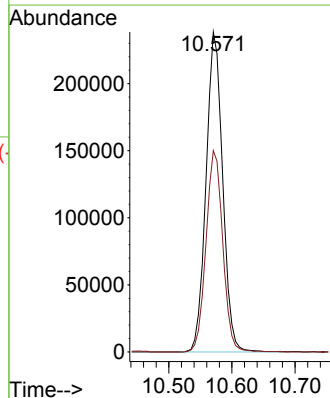
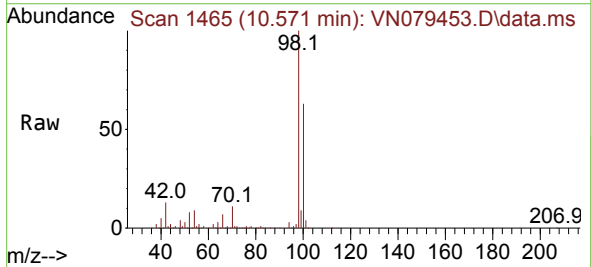
Instrument :
MSVOA_N
ClientSampleId :

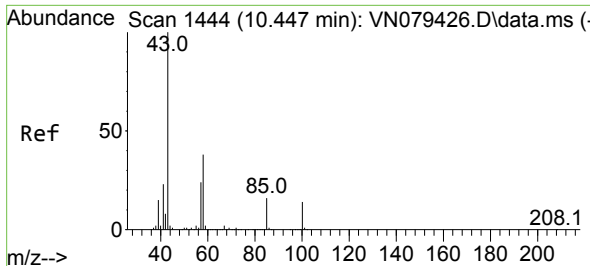
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 3361620.7 17.0 25.6#
58 18606.9 47.0 70.4#



#50
Toluene-d8
Concen: 50.403 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Tgt Ion: 98 Resp: 435816
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

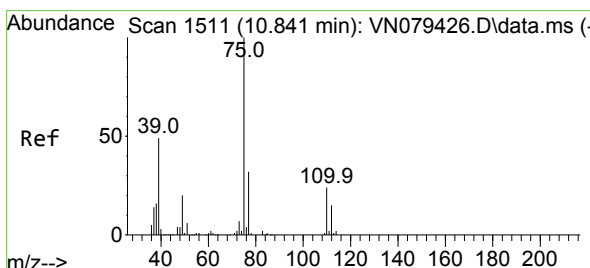
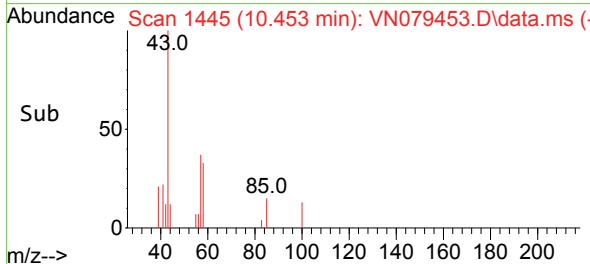
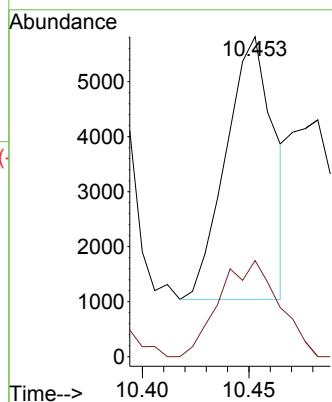
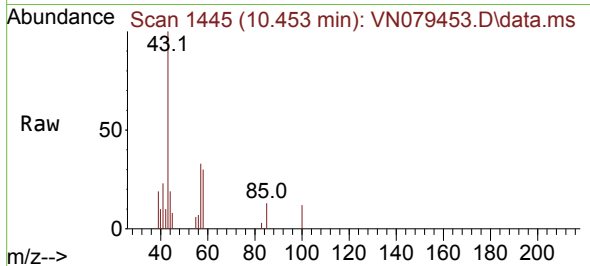




#51
4-Methyl-2-Pentanone
Concen: 2.120 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

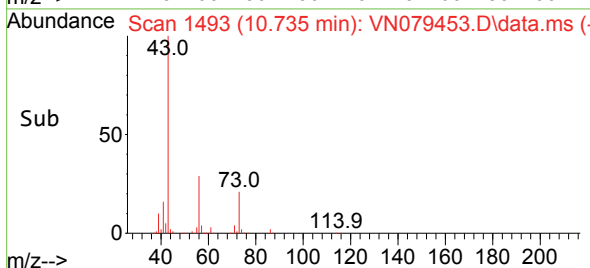
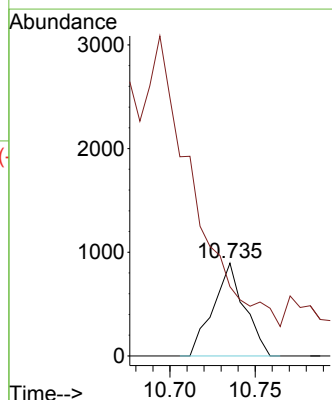
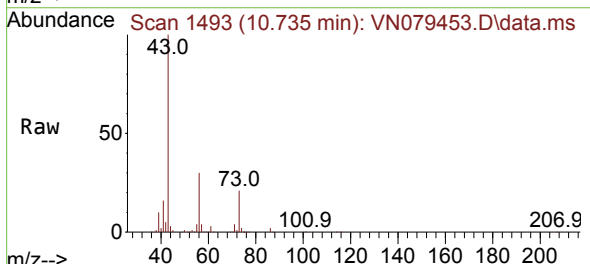
Instrument :
MSVOA_N
ClientSampleId :

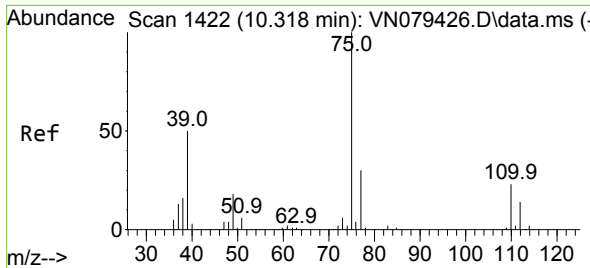
Tgt Ion: 43 Resp: 7484
Ion Ratio Lower Upper
43 100
58 45.4 36.6 54.8



#53
t-1,3-Dichloropropene
Concen: 0.305 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Tgt Ion: 75 Resp: 1148
Ion Ratio Lower Upper
75 100
77 43.1 25.4 38.0#

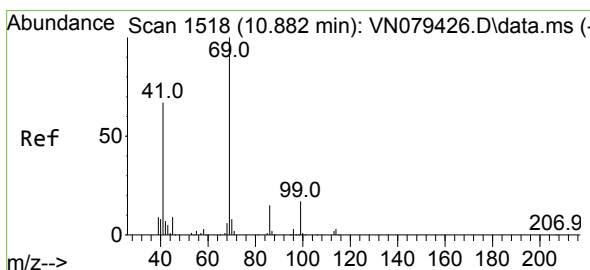
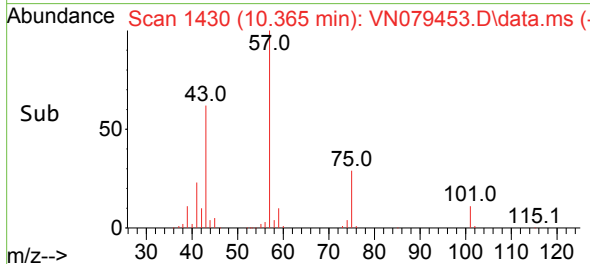
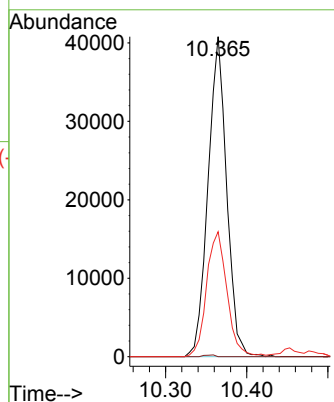
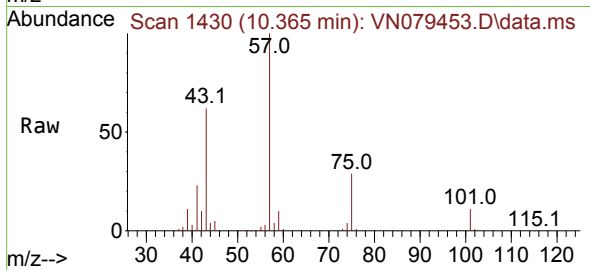




#54
 cis-1,3-Dichloropropene
 Concen: 15.739 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079453.D
 Acq: 06 Oct 2023 17:31

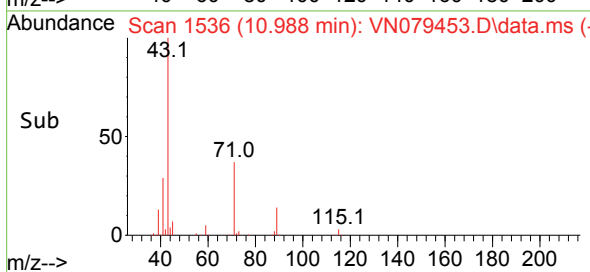
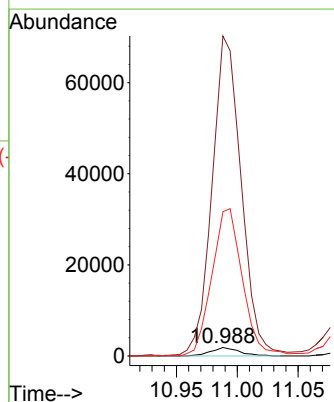
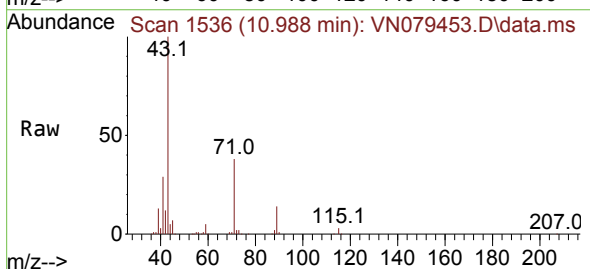
Instrument :
 MSVOA_N
 ClientSampleId :

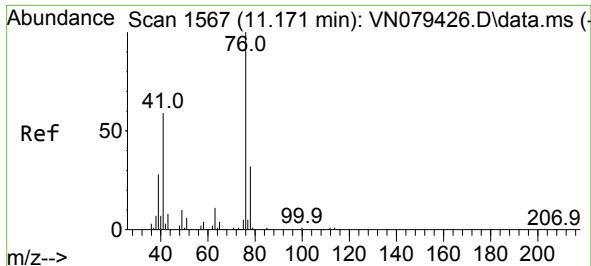
Tgt Ion: 75 Resp: 64919
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 39.1 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.876 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.106 min
 Lab File: VN079453.D
 Acq: 06 Oct 2023 17:31

Tgt Ion: 69 Resp: 3031
 Ion Ratio Lower Upper
 69 100
 41 3871.1 39.6 59.4#
 39 1874.4 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 2.058 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.035 min

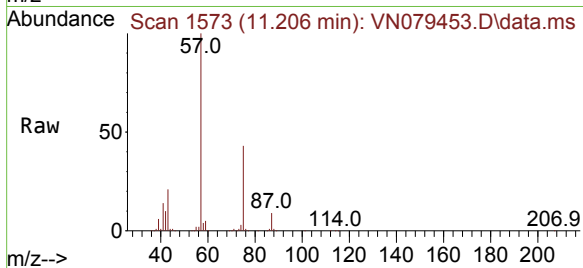
Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :

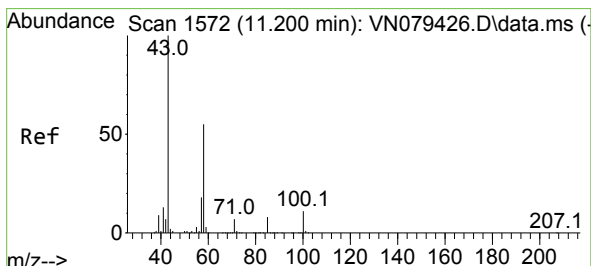
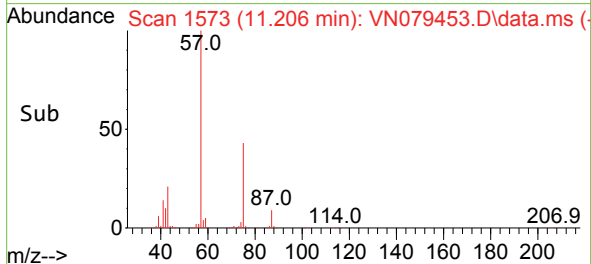
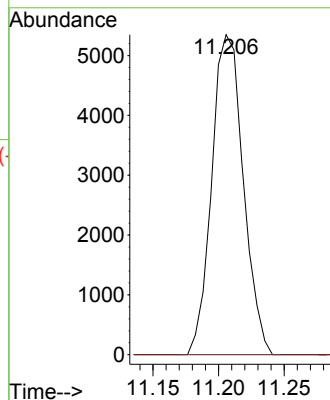


Tgt Ion: 76 Resp: 8946

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 46.958 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079453.D

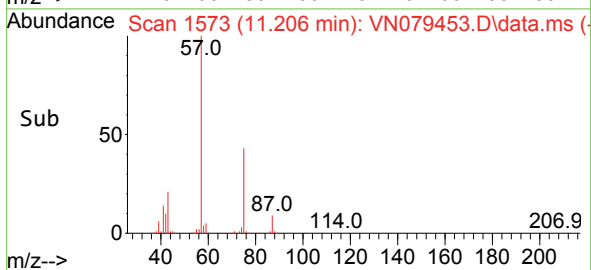
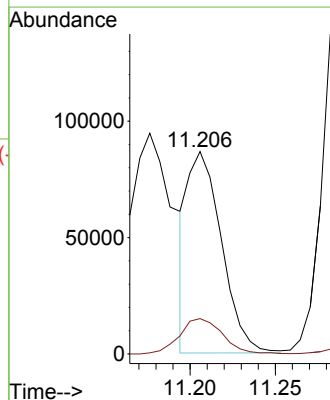
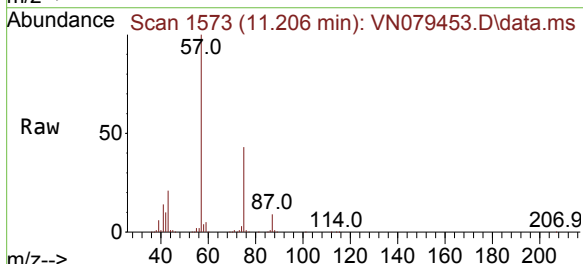
Acq: 06 Oct 2023 17:31

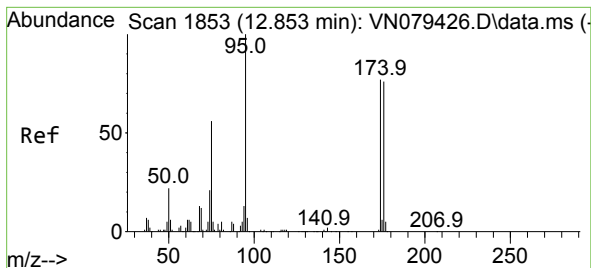
Tgt Ion: 43 Resp: 119596

Ion Ratio Lower Upper

43 100

58 22.4 31.7 95.1#

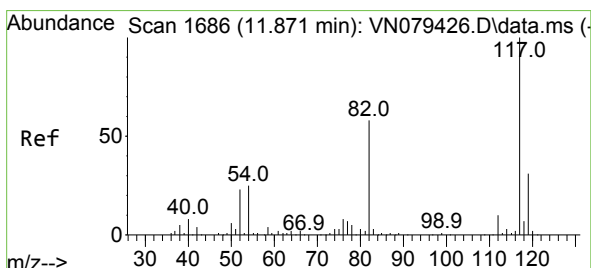
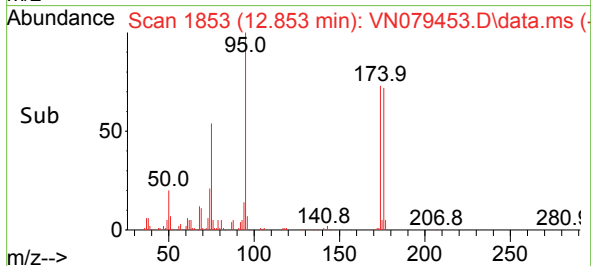
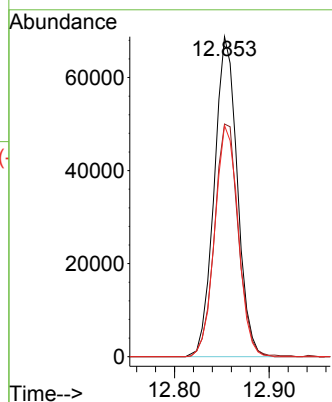
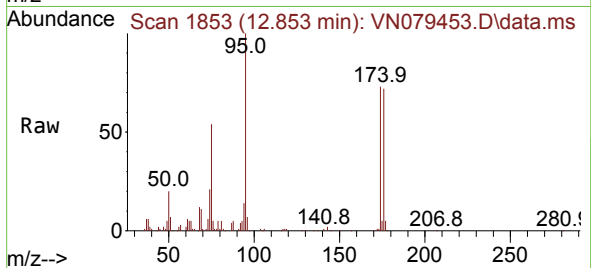




#62
4-Bromofluorobenzene
Concen: 41.861 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

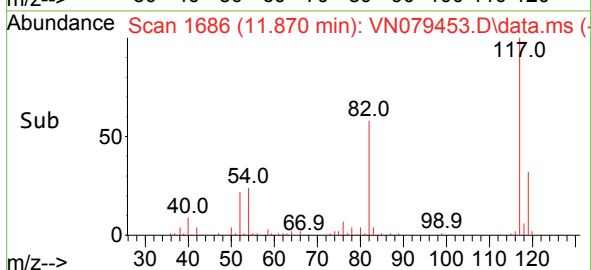
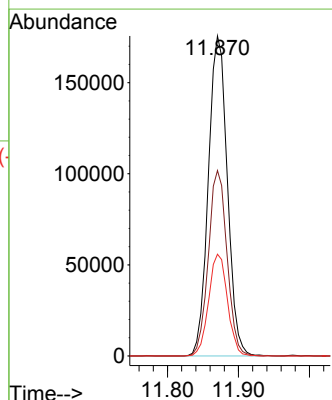
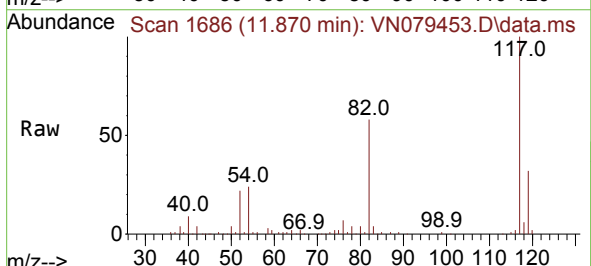
Instrument :
MSVOA_N
ClientSampleId :

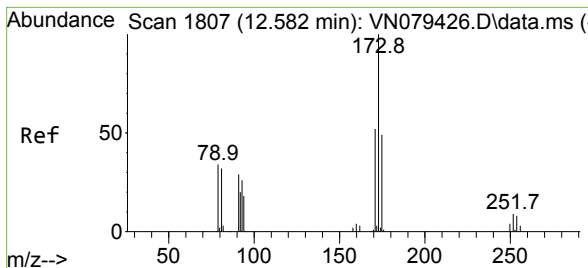
Tgt Ion: 95 Resp: 116158
Ion Ratio Lower Upper
95 100
174 75.4 0.0 143.8
176 73.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079453.D
Acq: 06 Oct 2023 17:31

Tgt Ion: 117 Resp: 326256
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 31.8 25.6 38.4





#71

Bromoform

Concen: 0.563 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :

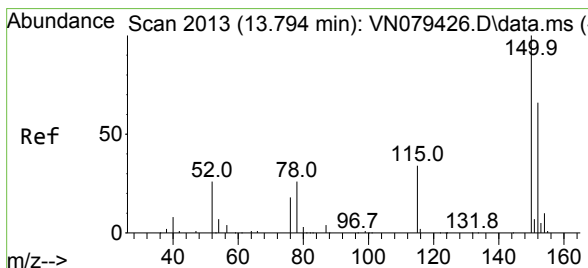
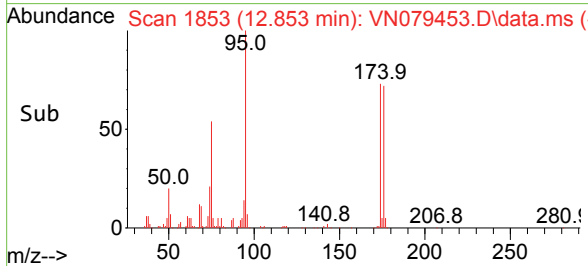
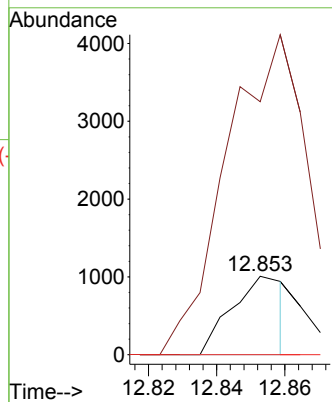
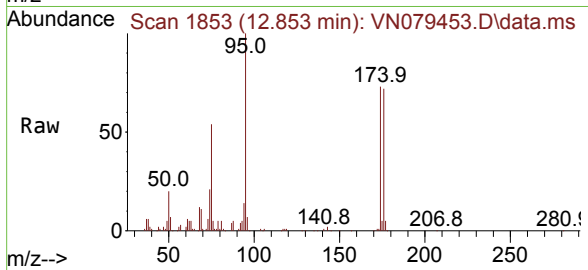
Tgt Ion:173 Resp: 1096

Ion Ratio Lower Upper

173 100

175 328.6 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# 2014

Delta R.T. 0.006 min

Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

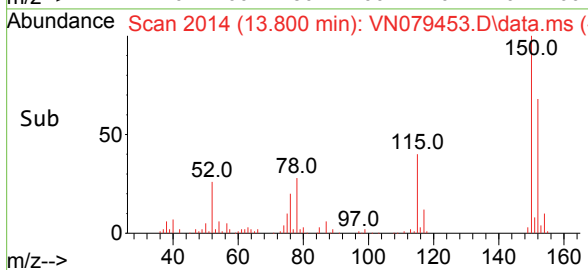
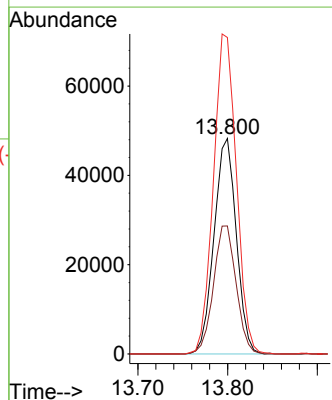
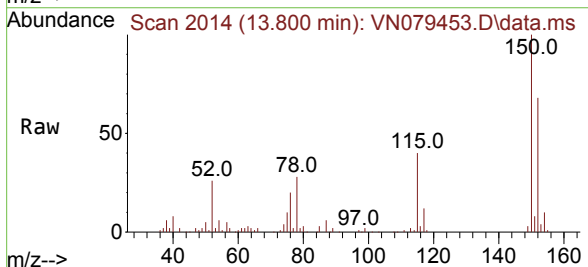
Tgt Ion:152 Resp: 83262

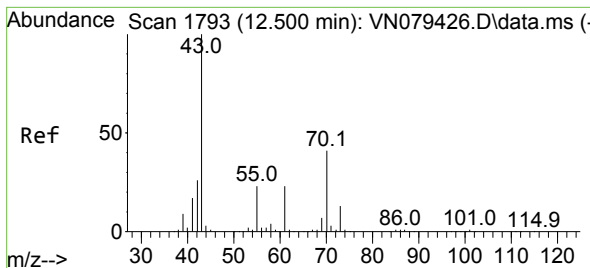
Ion Ratio Lower Upper

152 100

115 60.3 32.3 96.8

150 152.8 0.0 355.8





#74

N-amy1 acetate

Concen: 0.582 ug/l

RT: 12.488 min Scan# 1

Delta R.T. -0.012 min

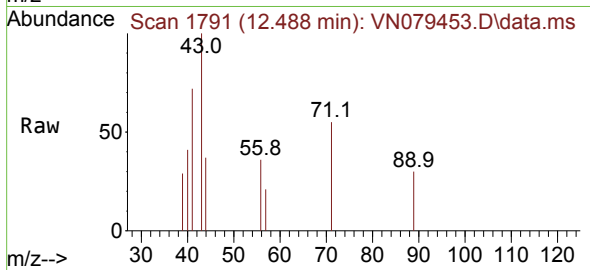
Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1848

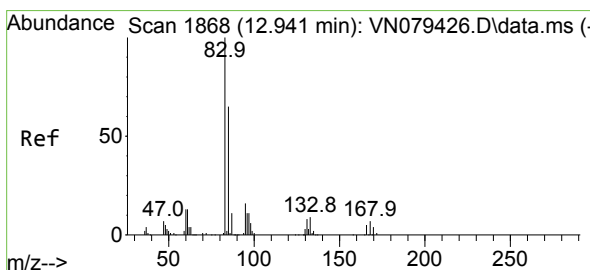
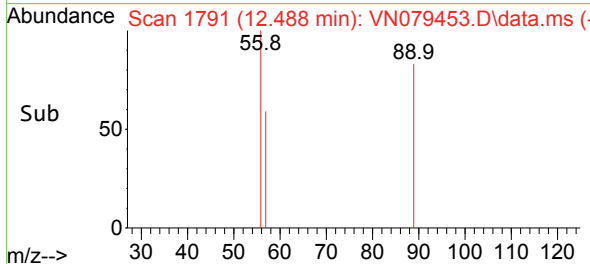
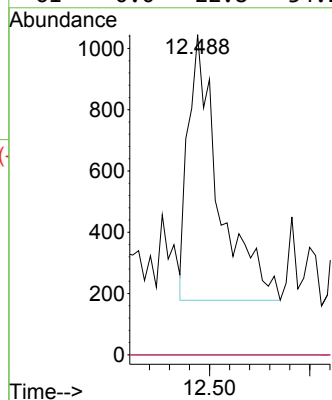
Ion Ratio Lower Upper

43 100

70 0.0 43.4 65.2#

55 0.0 21.4 32.0#

61 0.0 22.8 34.2#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.853 min Scan# 1853

Delta R.T. -0.088 min

Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

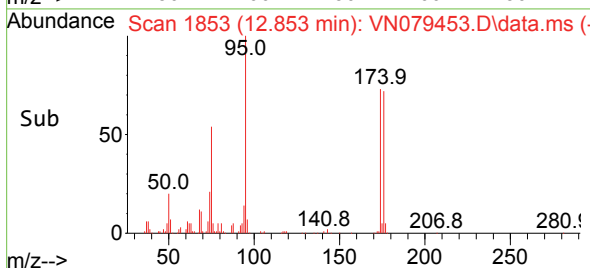
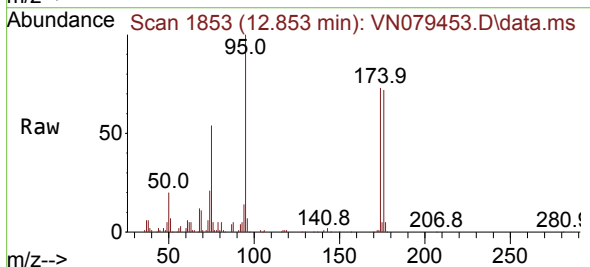
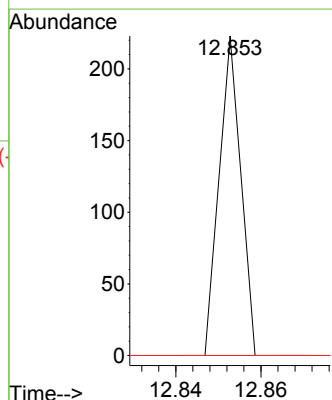
Tgt Ion: 83 Resp: 79

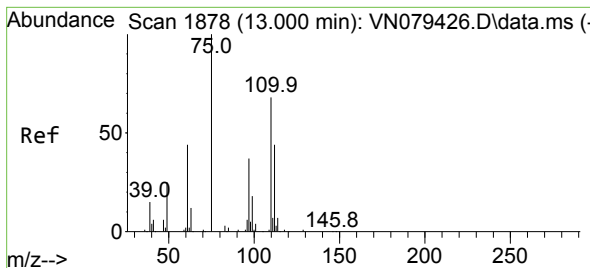
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.424 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

Instrument :

MSVOA_N

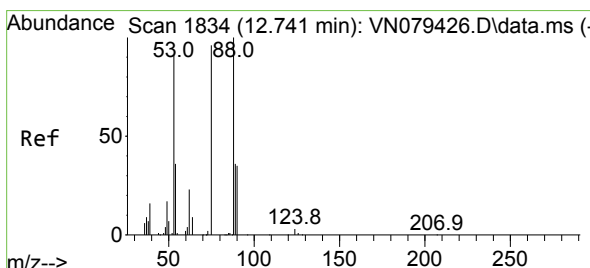
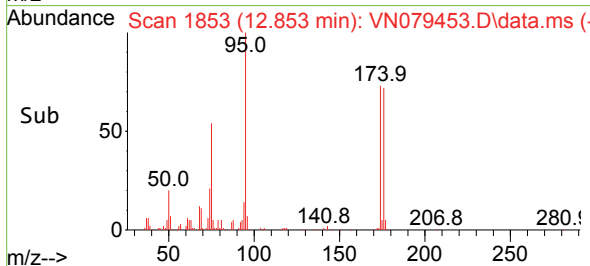
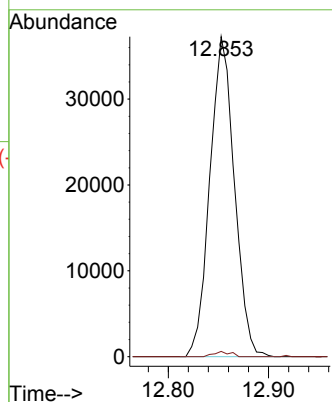
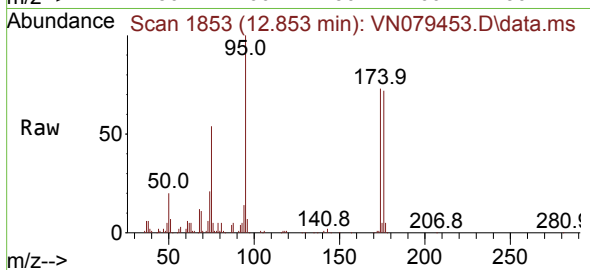
ClientSampleId :

Tgt Ion: 75 Resp: 63435

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.670 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079453.D

Acq: 06 Oct 2023 17:31

Tgt Ion: 75 Resp: 63435

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

