

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091523\
 Data File : VN079280.D
 Acq On : 15 Sep 2023 18:31
 Operator : JC\MD
 Sample : 04436-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 01:57:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

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

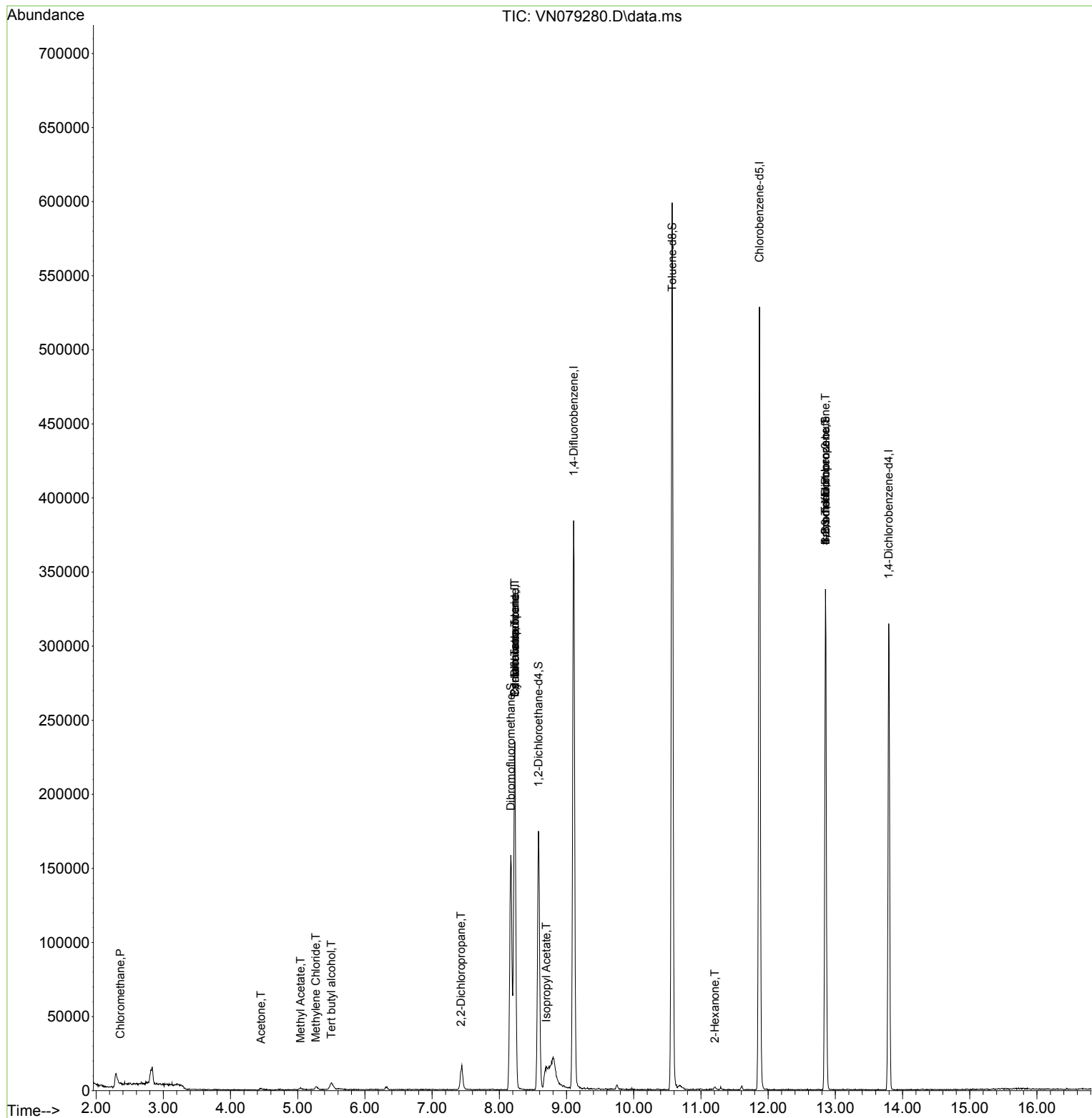
Internal Standards						
1) Pentafluorobenzene	8.230	168	159324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	325503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	296540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	79732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	140119	65.150	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 130.300%#		
35) Dibromofluoromethane	8.171	113	113970	52.638	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.280%		
50) Toluene-d8	10.571	98	396378	49.857	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 99.720%		
62) 4-Bromofluorobenzene	12.853	95	109685	43.252	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 86.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	570	0.275	ug/l	98
6) Chloroethane	3.136	64	809	Below Cal	#	43
11) Tert butyl alcohol	5.501	59	4376	11.021	ug/l #	72
16) Acetone	4.454	43	2106	2.306	ug/l	99
18) Methyl Acetate	5.042	43	2176	0.580	ug/l #	62
20) Methylene Chloride	5.271	84	1600	0.720	ug/l #	65
26) 2,2-Dichloropropane	7.430	77	1072	0.356	ug/l #	53
31) Cyclohexane	8.230	56	4202	1.338	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	14994	4.493	ug/l #	47
38) Carbon Tetrachloride	8.230	117	18429	5.336	ug/l #	16
43) Isopropyl Acetate	8.700	43	3256	0.599	ug/l #	56
59) 2-Hexanone	11.206	43	817	0.358	ug/l #	19
71) Bromoform	12.853	173	832	0.447	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	61027	28.399	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61027	78.076	ug/l #	15

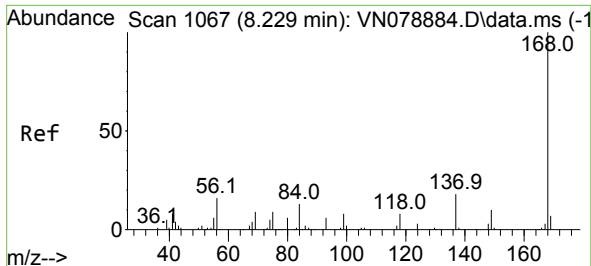
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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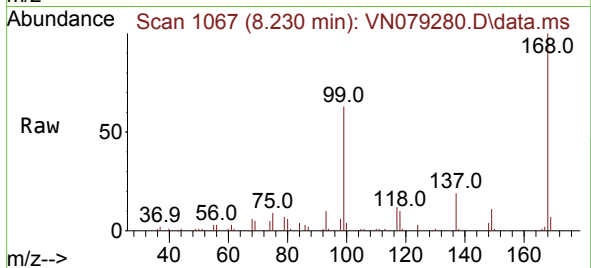
Quant Time: Sep 16 01:57:22 2023
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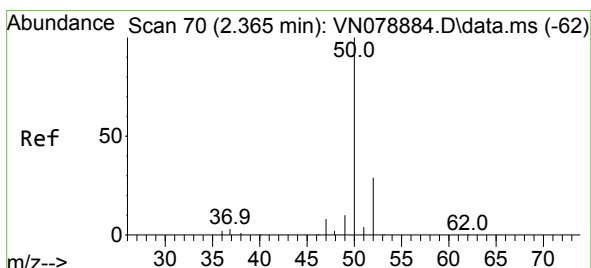
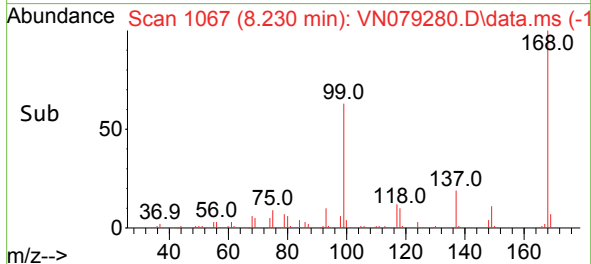
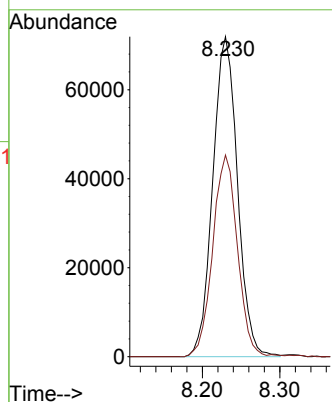


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

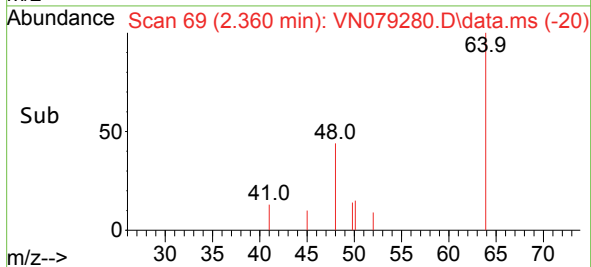
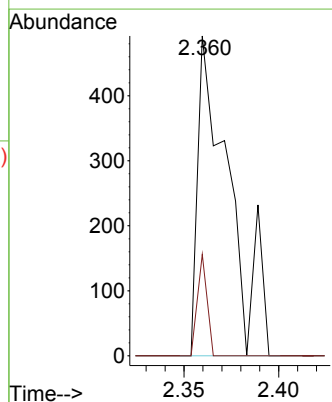
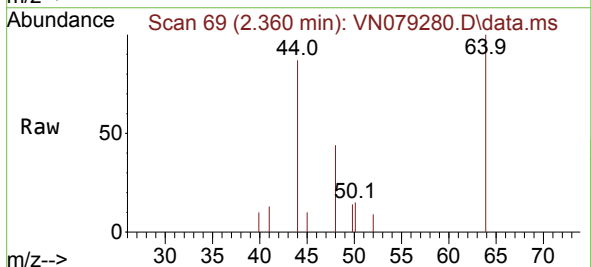


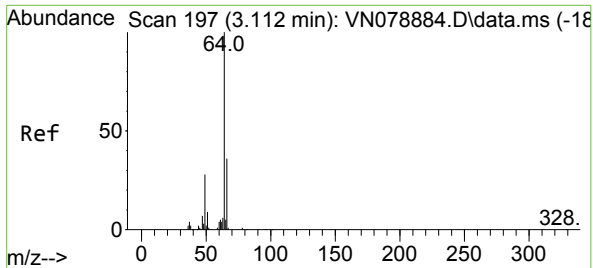
Tgt Ion:168 Resp: 159324
Ion Ratio Lower Upper
168 100
99 63.0 53.0 79.6



#3
Chloromethane
Concen: 0.275 ug/l
RT: 2.360 min Scan# 69
Delta R.T. -0.011 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 31.7 26.5 39.7

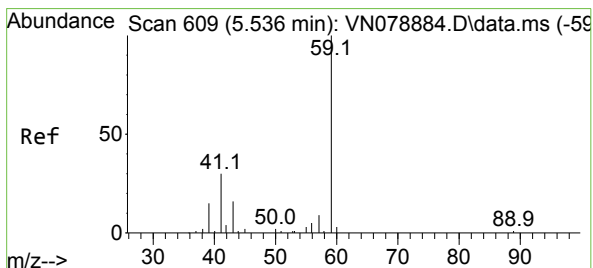
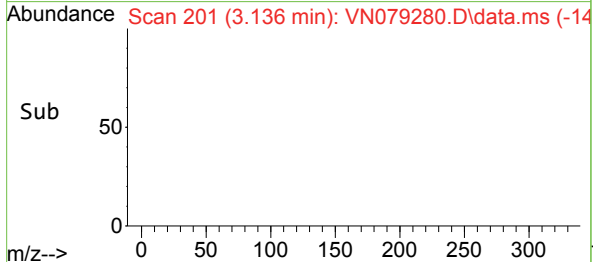
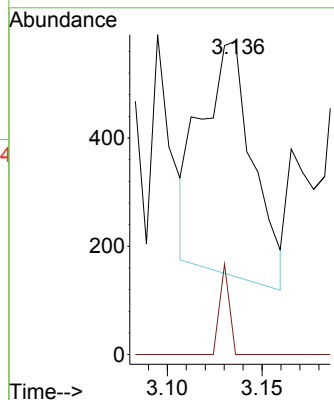
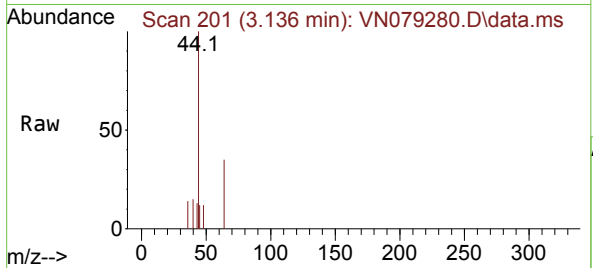




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

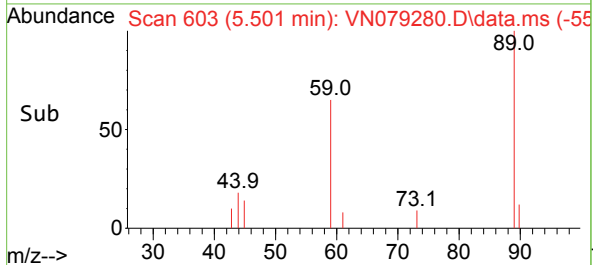
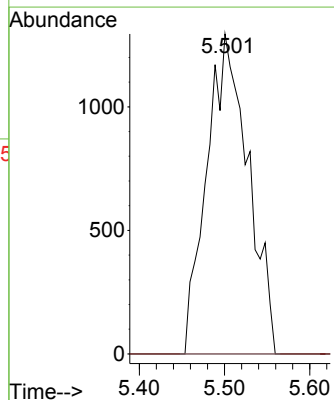
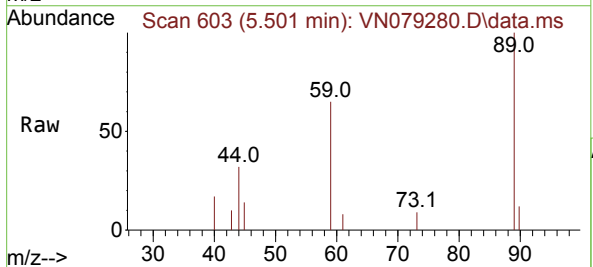
Instrument :
MSVOA_N
ClientSampleId :

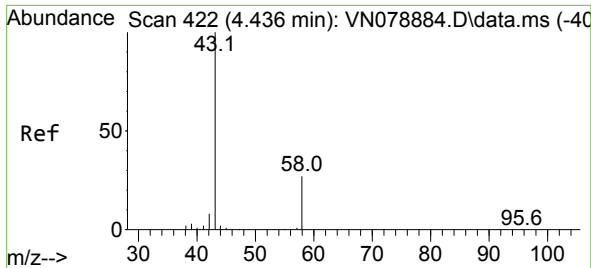
Tgt Ion: 64 Resp: 809
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 11.021 ug/l
RT: 5.501 min Scan# 603
Delta R.T. -0.041 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Tgt Ion: 59 Resp: 4376
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 2.306 ug/l

RT: 4.454 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN079280.D

Acq: 15 Sep 2023 18:31

Instrument :

MSVOA_N

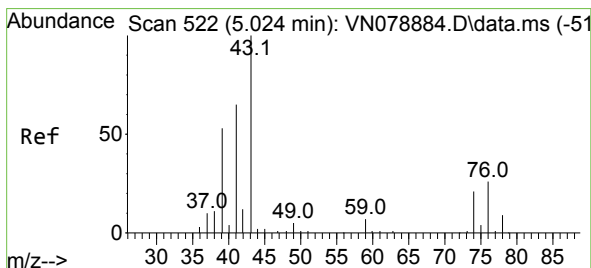
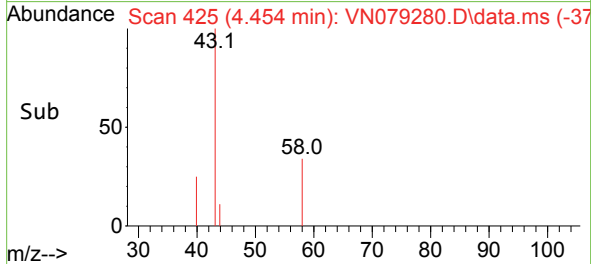
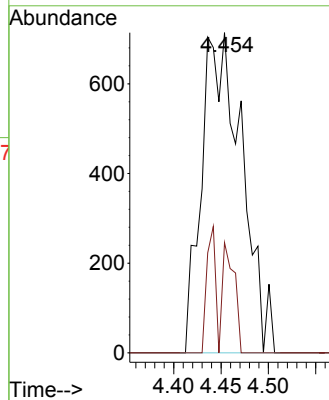
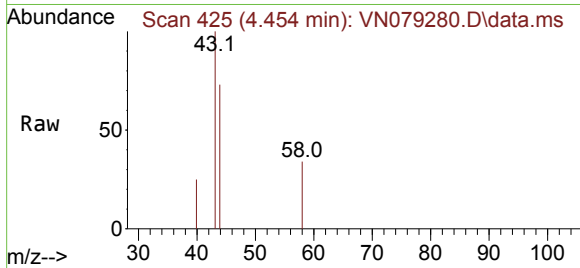
ClientSampleId :

Tgt Ion: 43 Resp: 2106

Ion Ratio Lower Upper

43 100

58 34.5 28.0 42.0



#18

Methyl Acetate

Concen: 0.580 ug/l

RT: 5.042 min Scan# 525

Delta R.T. -0.000 min

Lab File: VN079280.D

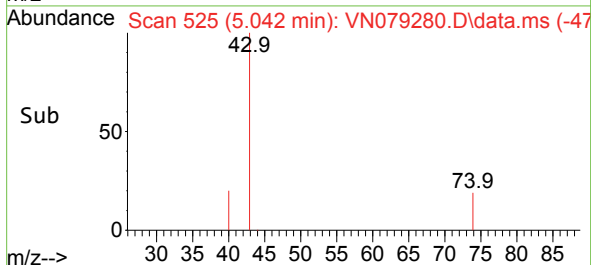
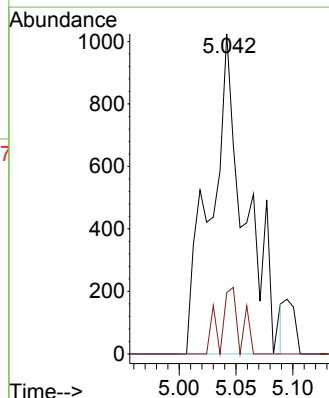
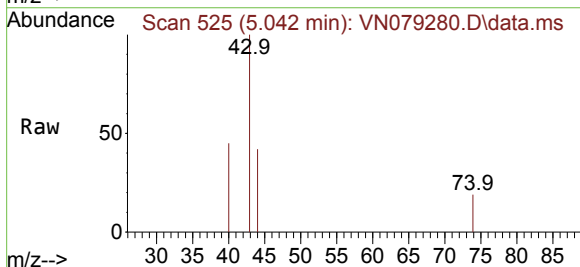
Acq: 15 Sep 2023 18:31

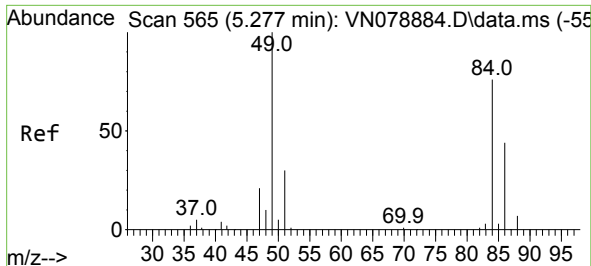
Tgt Ion: 43 Resp: 2176

Ion Ratio Lower Upper

43 100

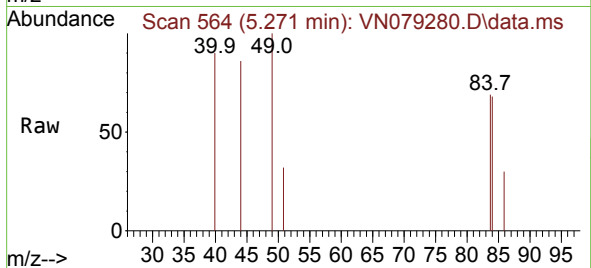
74 11.6 26.2 39.4#





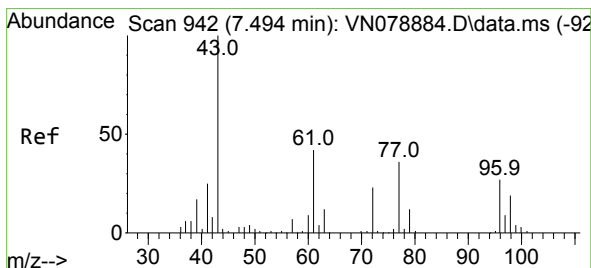
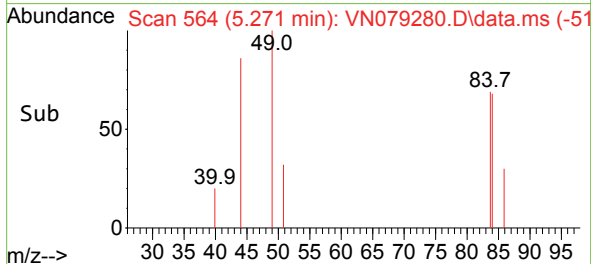
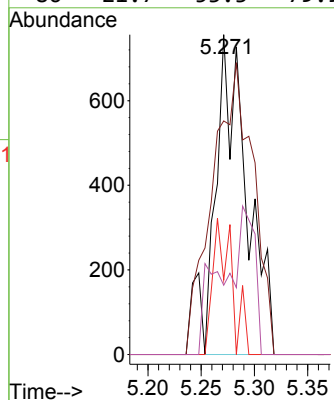
#20
Methylene Chloride
Concen: 0.720 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1600

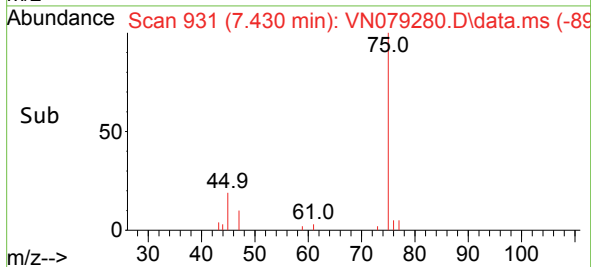
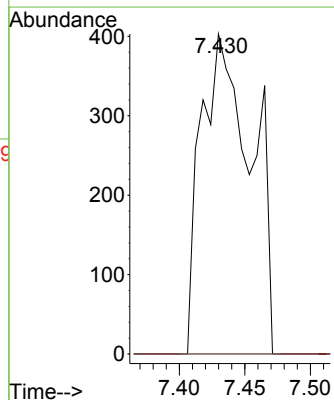
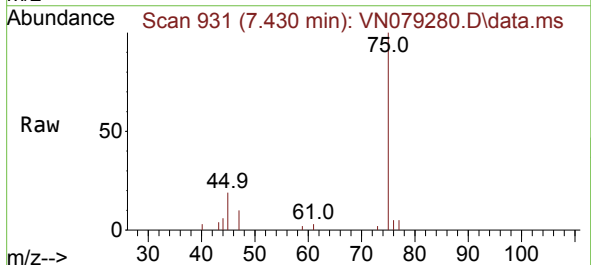
Ion	Ratio	Lower	Upper
84	100		
49	73.0	79.7	119.5#
51	23.3	25.2	37.8#
86	21.7	53.3	79.9#

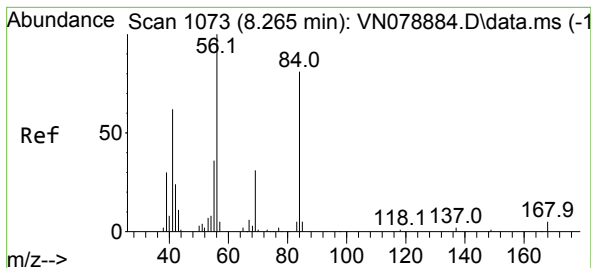


#26
2,2-Dichloropropane
Concen: 0.356 ug/l
RT: 7.430 min Scan# 931
Delta R.T. -0.070 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Tgt Ion: 77 Resp: 1072

Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.2	33.6#





#31

Cyclohexane

Concen: 1.338 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

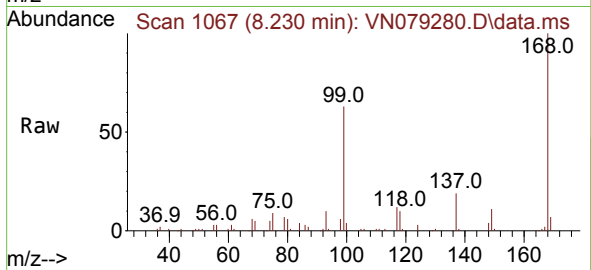
Lab File: VN079280.D

Acq: 15 Sep 2023 18:31

Instrument :

MSVOA_N

ClientSampleId :



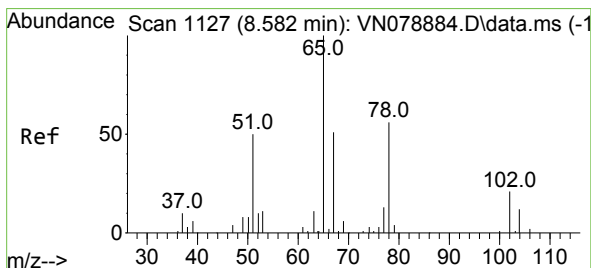
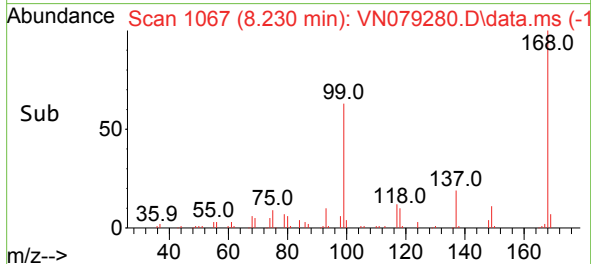
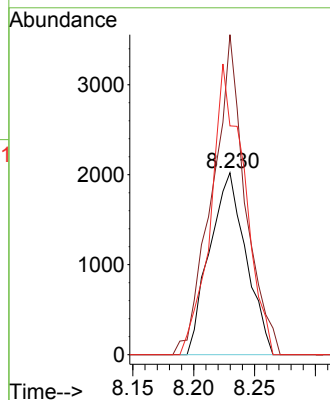
Tgt Ion: 56 Resp: 4202

Ion Ratio Lower Upper

56 100

69 176.0 26.8 40.2#

84 125.8 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 65.150 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079280.D

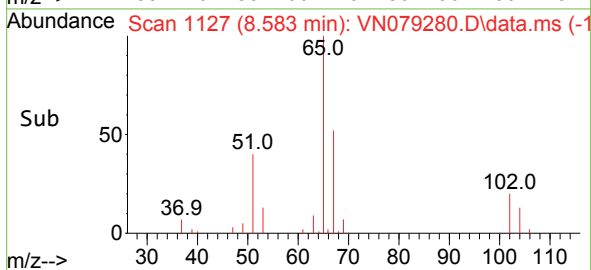
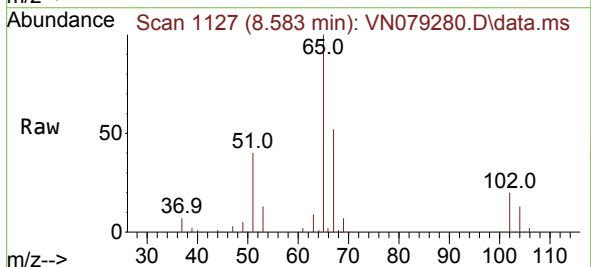
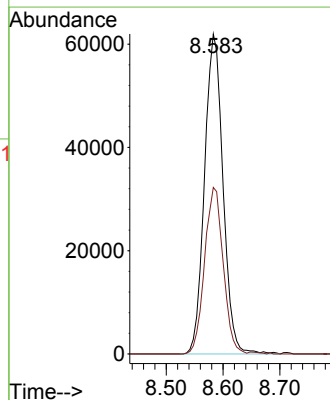
Acq: 15 Sep 2023 18:31

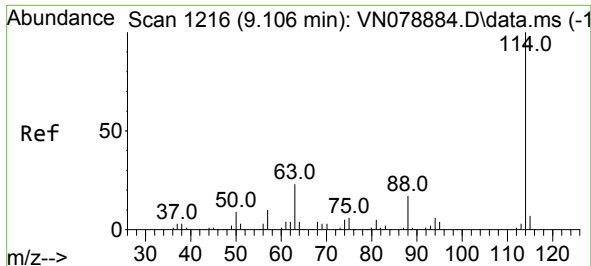
Tgt Ion: 65 Resp: 140119

Ion Ratio Lower Upper

65 100

67 52.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079280.D

Acq: 15 Sep 2023 18:31

Instrument :

MSVOA_N

ClientSampleId :

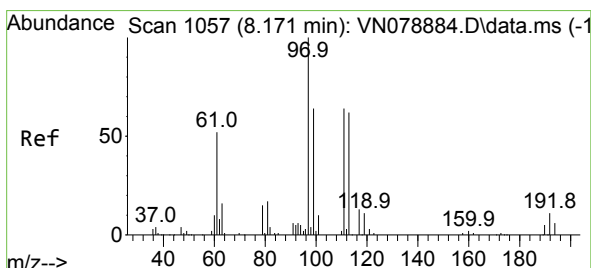
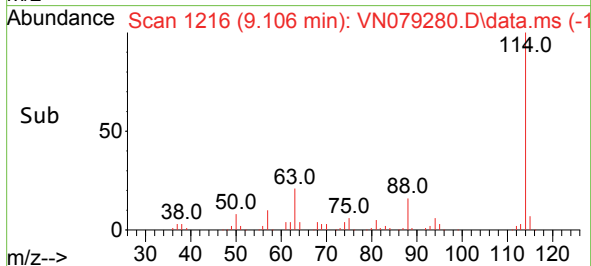
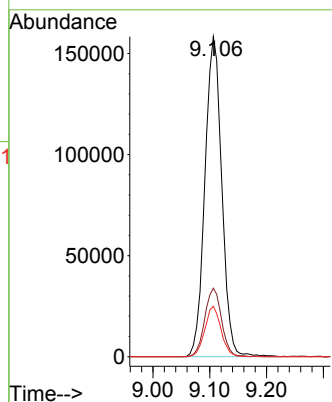
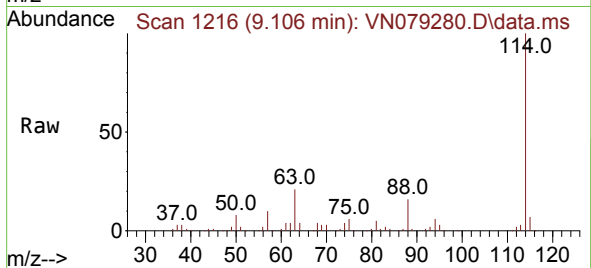
Tgt Ion:114 Resp: 325503

Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.638 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079280.D

Acq: 15 Sep 2023 18:31

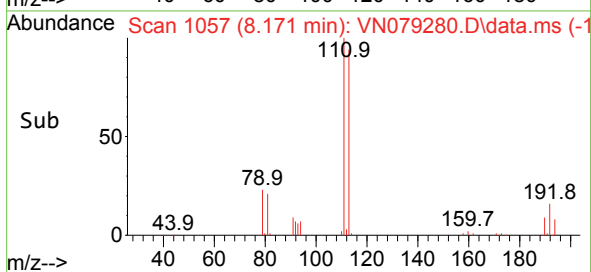
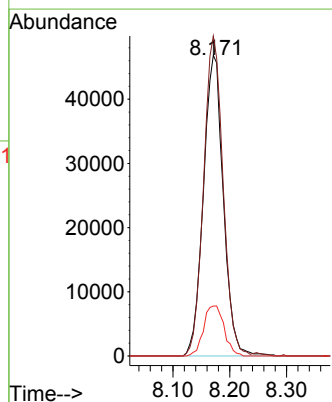
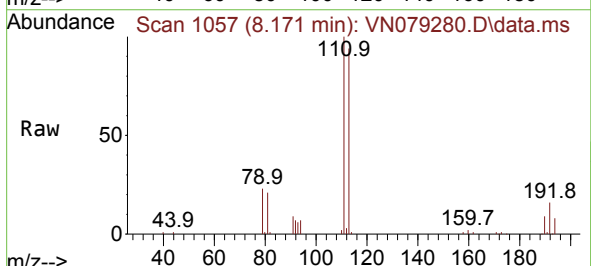
Tgt Ion:113 Resp: 113970

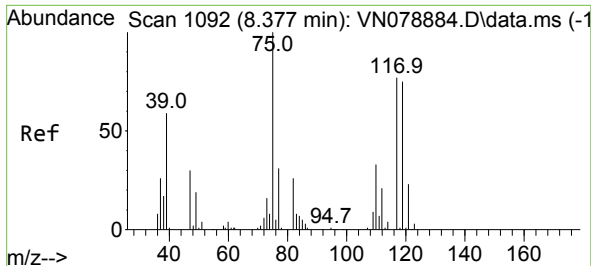
Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

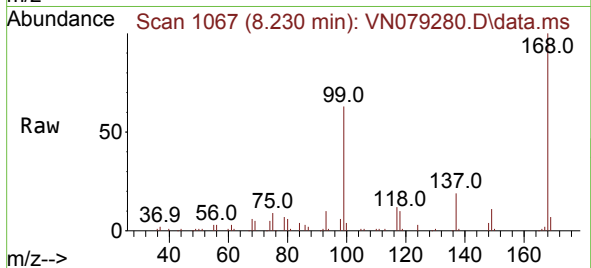
192 17.1 12.7 19.1



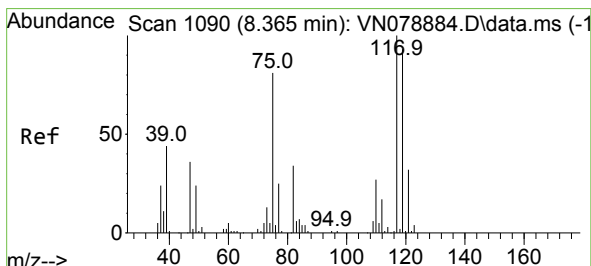
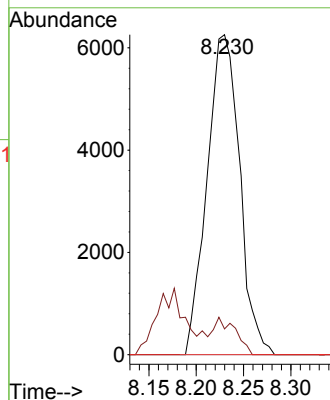
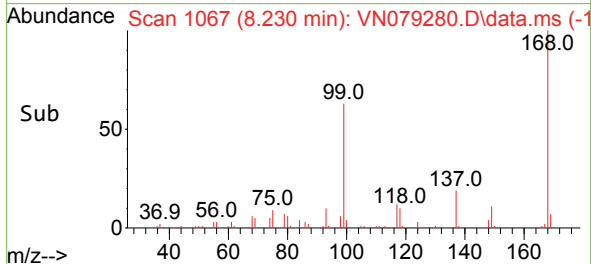


#36
1,1-Dichloropropene
Concen: 4.493 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

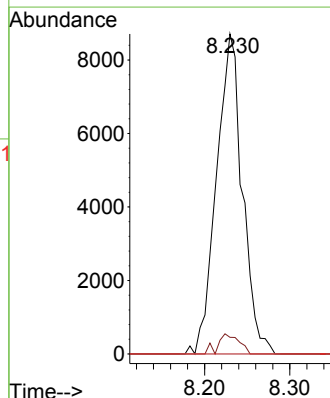
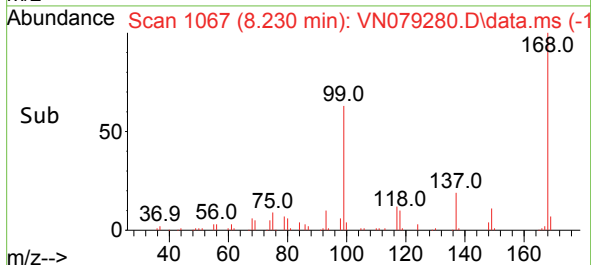
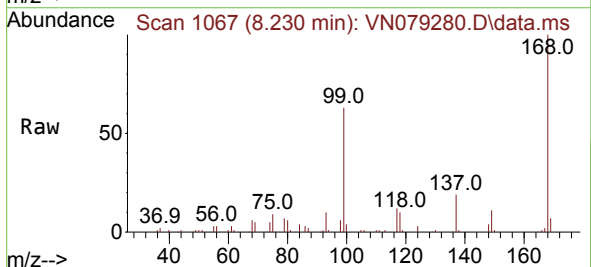


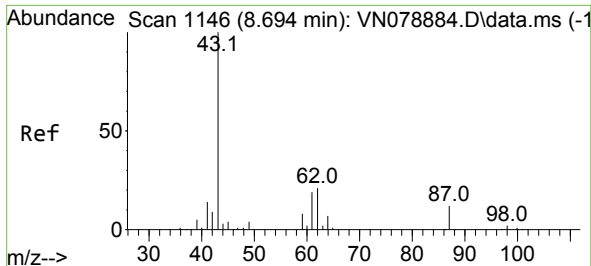
Tgt Ion: 75 Resp: 14994
Ion Ratio Lower Upper
75 100
110 7.8 19.1 57.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Tgt Ion: 117 Resp: 18429
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 23.3 34.9#

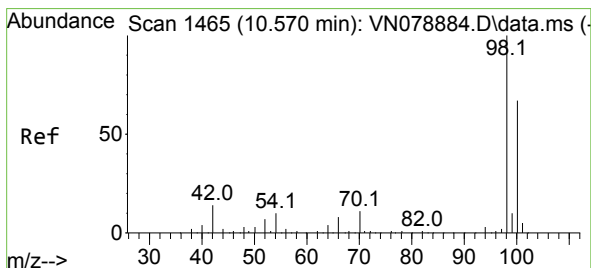
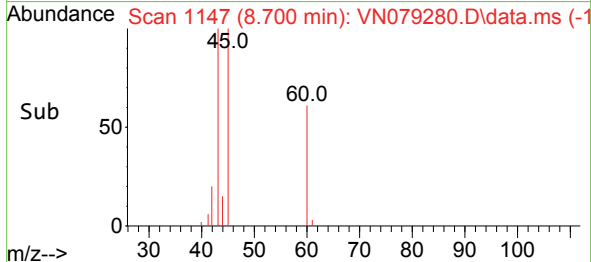
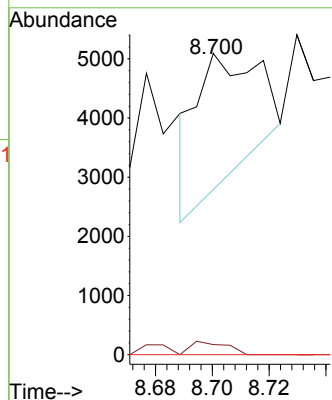
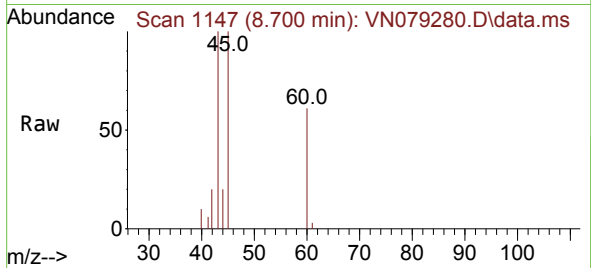




#43
Isopropyl Acetate
Concen: 0.599 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

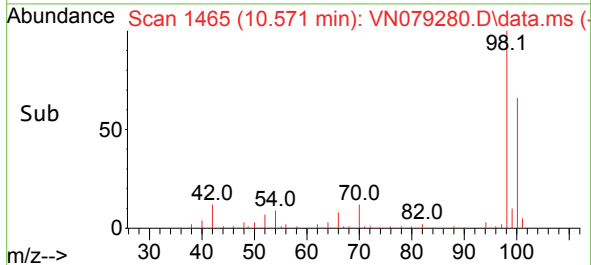
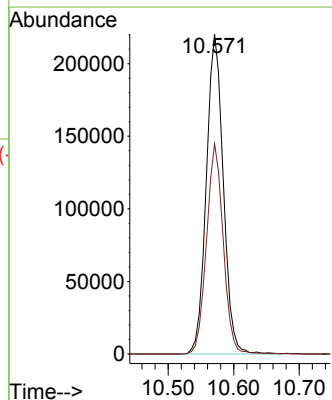
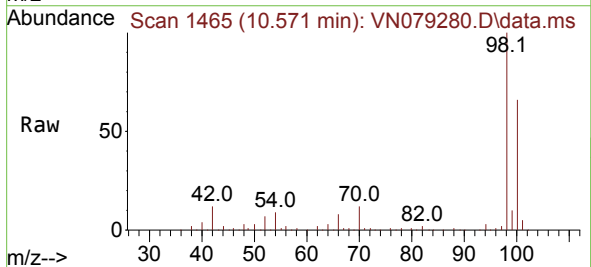
Instrument :
MSVOA_N
ClientSampleId :

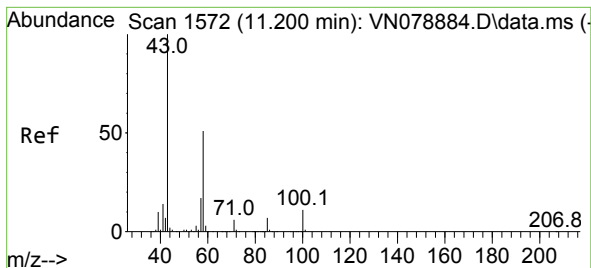
Tgt Ion: 43 Resp: 3256
Ion Ratio Lower Upper
43 100
61 6.1 24.7 37.1#
87 0.0 14.6 21.8#



#50
Toluene-d8
Concen: 49.857 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Tgt Ion: 98 Resp: 396378
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

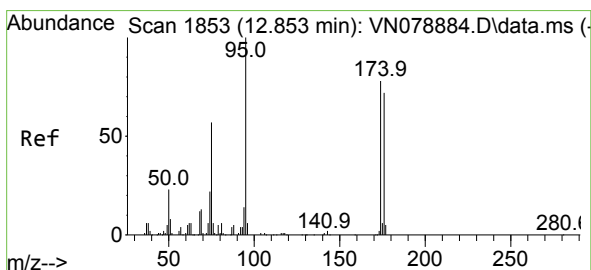
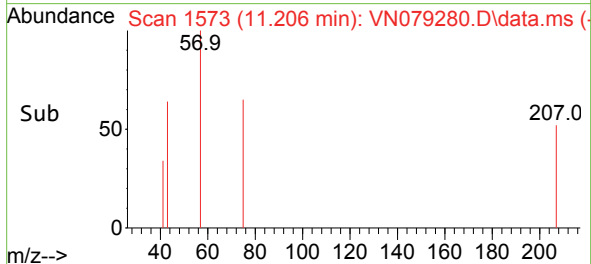
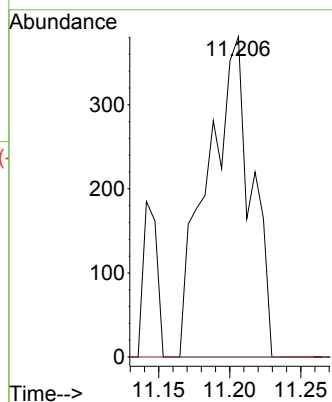
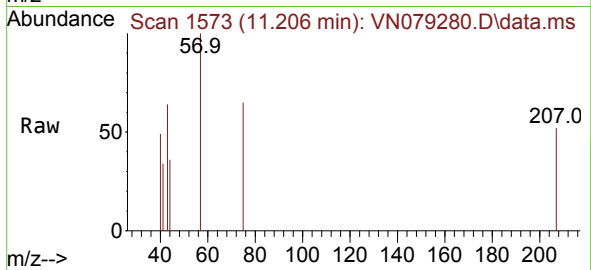




#59
2-Hexanone
Concen: 0.358 ug/l
RT: 11.206 min Scan# 111
Delta R.T. 0.006 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

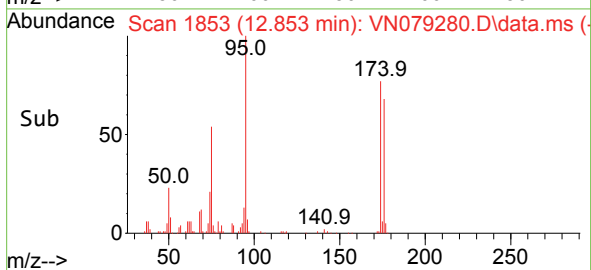
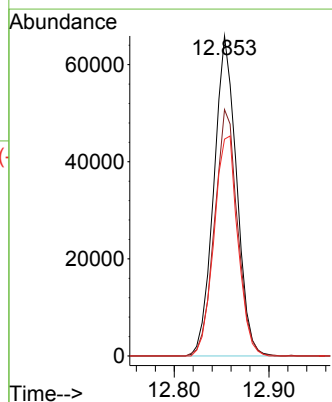
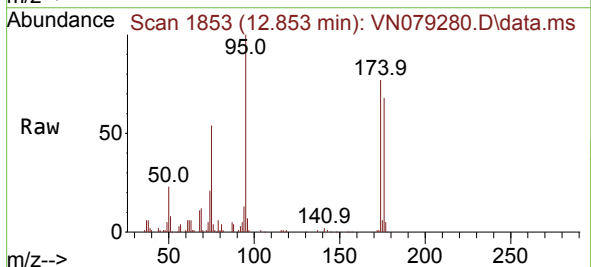
Instrument :
MSVOA_N
ClientSampleId :

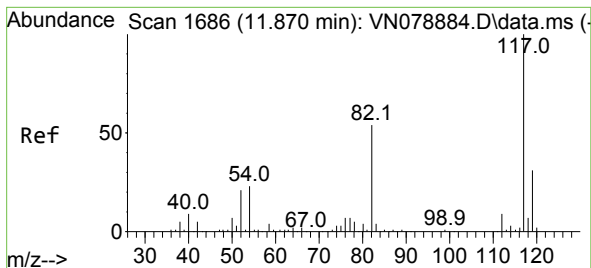
Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 43.252 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

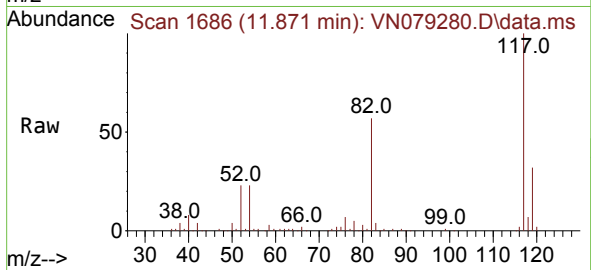
Tgt Ion: 95 Resp: 109685
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 72.1 0.0 135.8



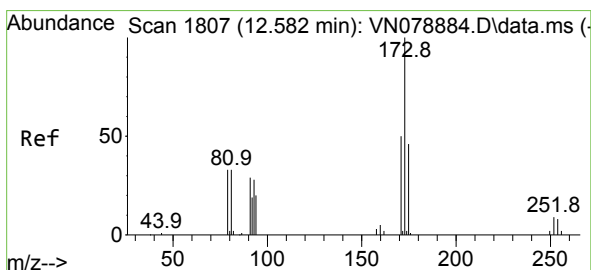
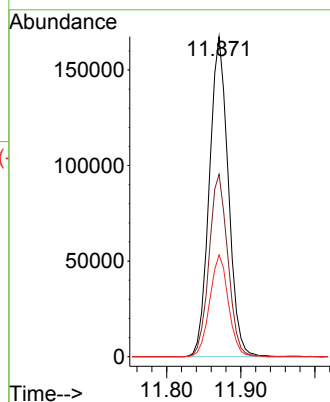
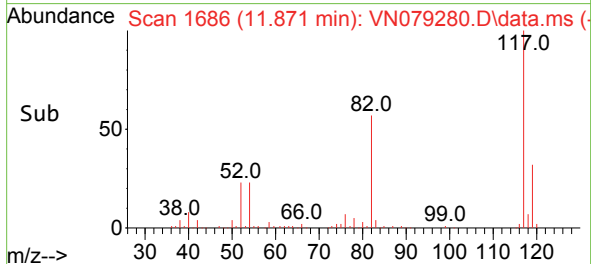


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :

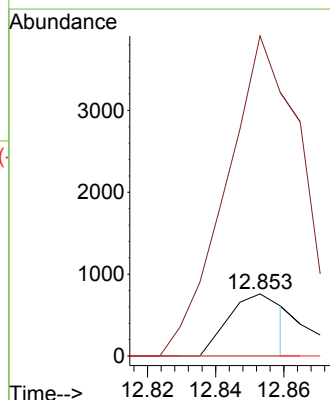
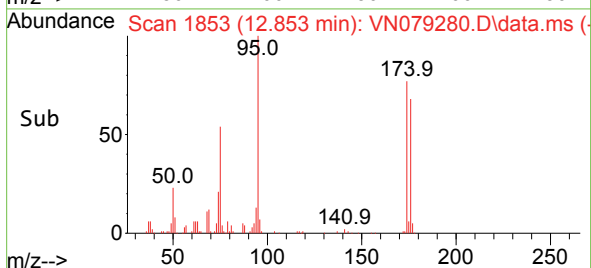
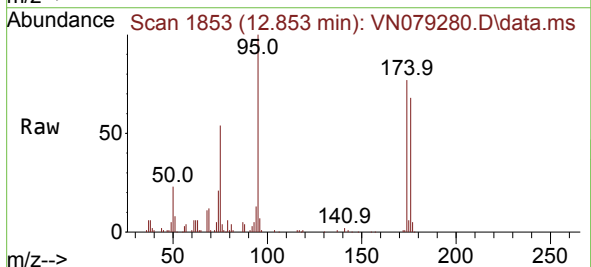


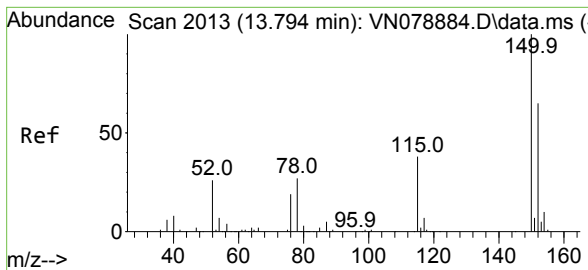
Tgt Ion:117 Resp: 296540
Ion Ratio Lower Upper
117 100
82 57.0 44.0 66.0
119 31.8 25.6 38.4



#71
Bromoform
Concen: 0.447 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Tgt Ion:173 Resp: 832
Ion Ratio Lower Upper
173 100
175 550.4 24.3 73.0#
254 0.0 0.0 0.0

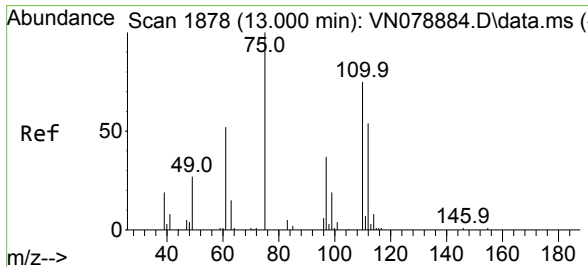
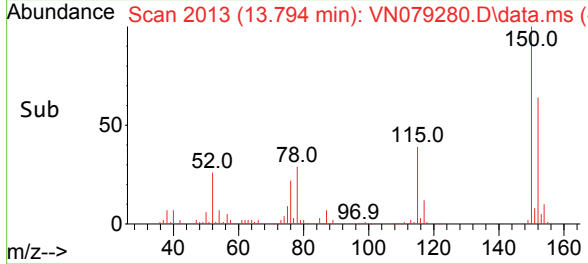
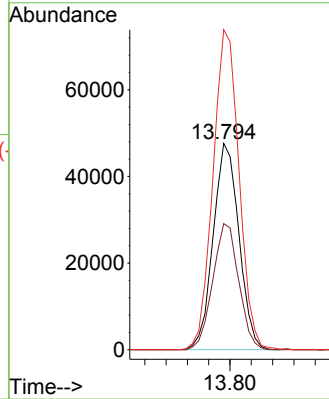
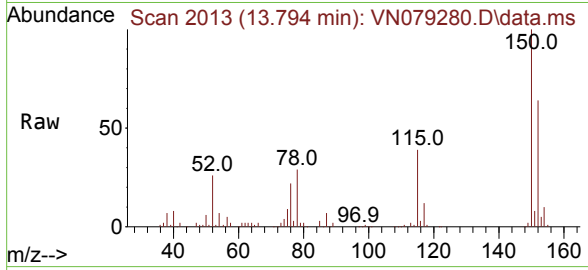




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079280.D
 Acq: 15 Sep 2023 18:31

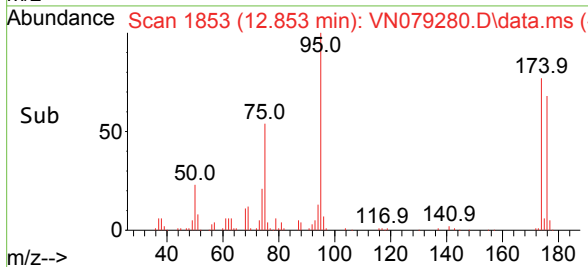
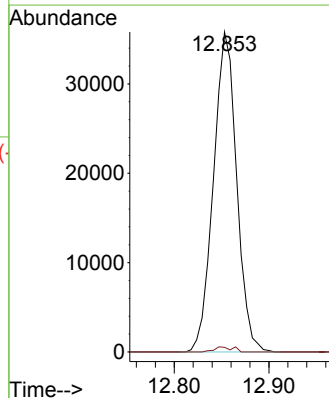
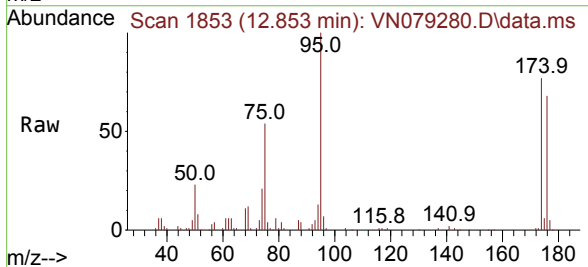
Instrument :
 MSVOA_N
 ClientSampleId :

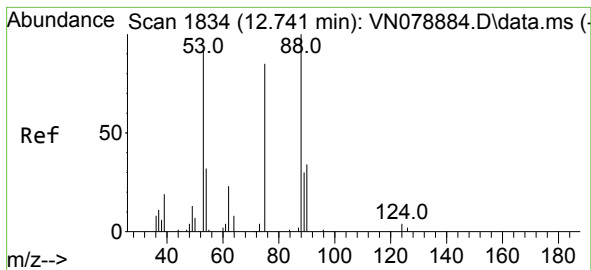
Tgt Ion:152 Resp: 79732
 Ion Ratio Lower Upper
 152 100
 115 61.6 32.3 96.8
 150 157.1 0.0 355.8



#76
 1,2,3-Trichloropropane
 Concen: 28.399 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079280.D
 Acq: 15 Sep 2023 18:31

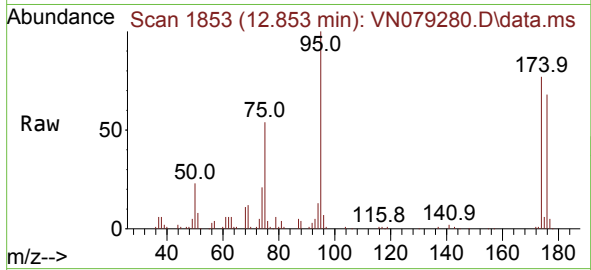
Tgt Ion: 75 Resp: 61027
 Ion Ratio Lower Upper
 75 100
 77 1.3 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 78.076 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079280.D
Acq: 15 Sep 2023 18:31

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 61027
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

