

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079195.D
 Acq On : 08 Sep 2023 14:16
 Operator : JC\MD
 Sample : 04329-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 17:20:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

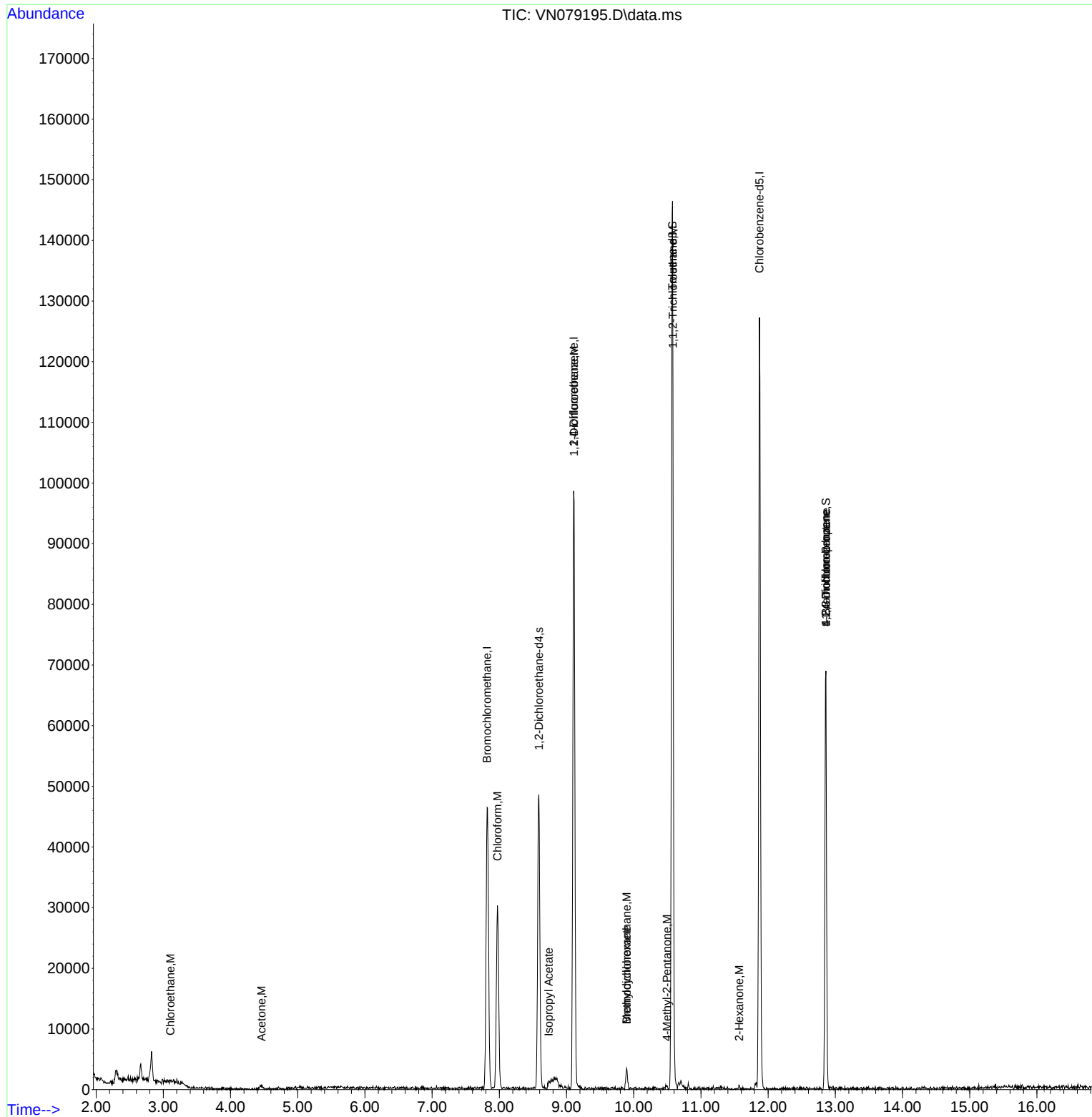
Internal Standards						
1) Bromochloromethane	7.818	128	17022	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	87190	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	76593	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	41247	32.252	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.500%
60) 4-Bromofluorobenzene	12.859	95	23752	21.046	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	70.167%
63) Toluene-d8	10.577	98	104774	29.271	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.567%
Target Compounds						
					Qvalue	
6) Chloroethane	3.106	64	181	0.314	ug/l #	50
15) Acetone	4.459	58	58	0.543	ug/l #	1
25) Chloroform	7.971	83	30415	14.991	ug/l	95
36) 1,2-Dichloroethane	9.112	62	2968	2.026	ug/l #	73
38) Methylcyclohexane	9.894	83	2976	2.129	ug/l #	17
41) Bromodichloromethane	9.894	83	2976	1.976	ug/l #	92
44) Isopropyl Acetate	8.736	43	562	0.234	ug/l #	1
50) 1,1,2-Trichloroethane	10.582	97	3823	3.607	ug/l #	1
58) 4-Methyl-2-Pentanone	10.494	43	992	0.706	ug/l #	41
59) 2-Hexanone	11.571	43	231	0.234	ug/l #	31
72) 1,2,3-Trichloropropane	12.859	75	13023	9.990	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.859	75	13023	28.374	ug/l #	14

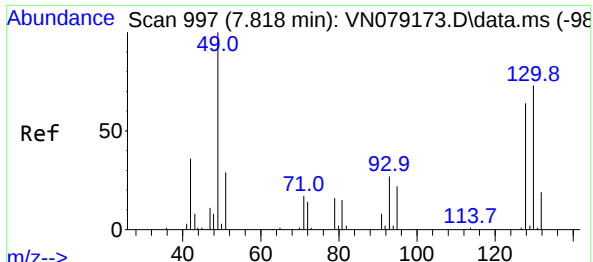
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
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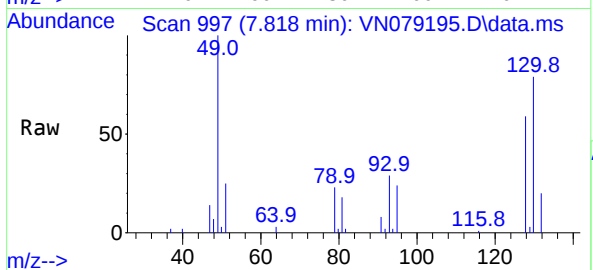
Quant Time: Sep 08 17:20:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
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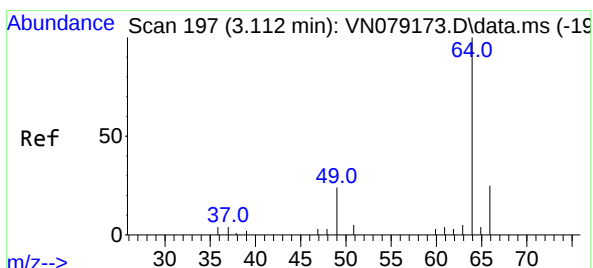
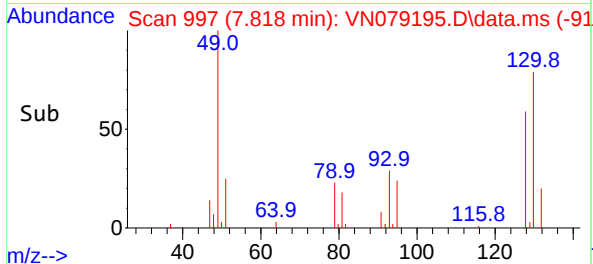
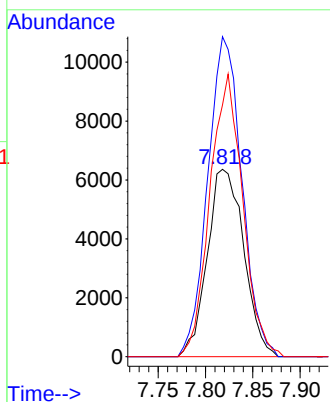


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

Instrument :
MSVOA_N
ClientSampleId :

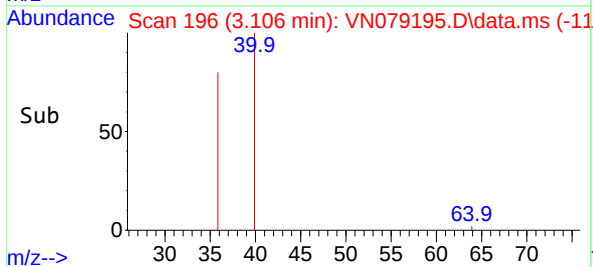
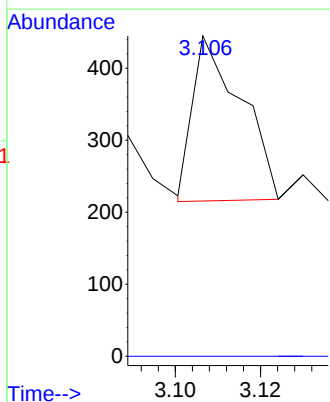
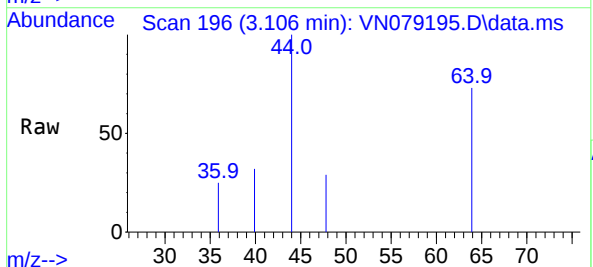


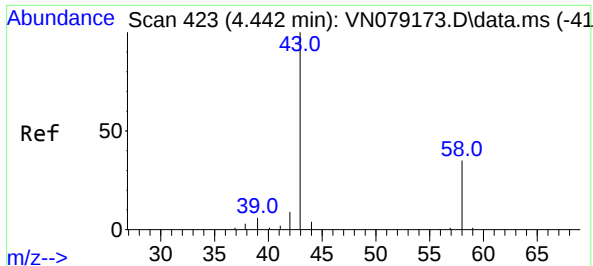
Tgt Ion:128 Resp: 17022
Ion Ratio Lower Upper
128 100
49 159.5 0.0 414.3
130 136.1 0.0 311.0



#6
Chloroethane
Concen: 0.314 ug/l
RT: 3.106 min Scan# 196
Delta R.T. -0.006 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

Tgt Ion: 64 Resp: 181
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#





#15

Acetone

Concen: 0.543 ug/l

RT: 4.459 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN079195.D

Acq: 08 Sep 2023 14:16

Instrument :

MSVOA_N

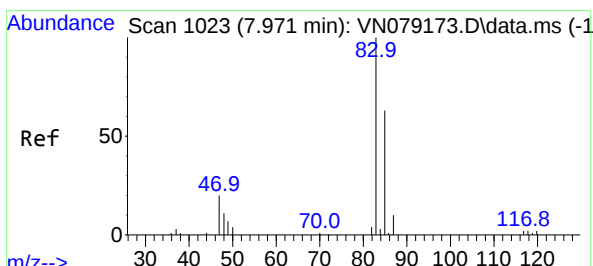
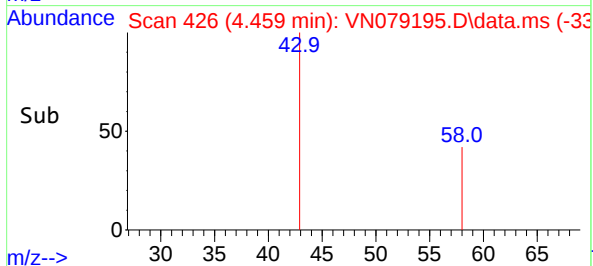
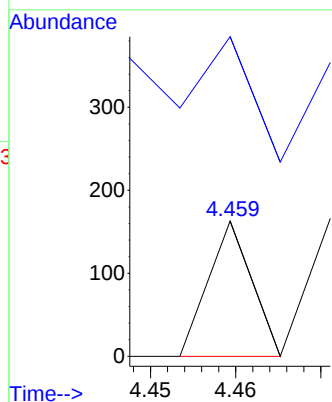
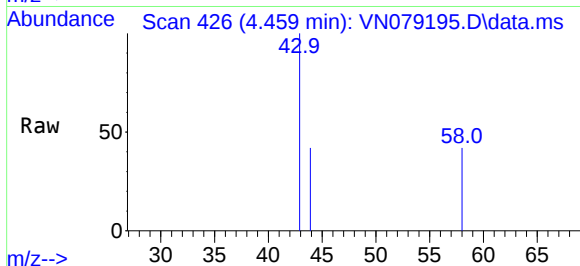
ClientSampleId :

Tgt Ion: 58 Resp: 58

Ion Ratio Lower Upper

58 100

43 92.6 228.3 342.5#



#25

Chloroform

Concen: 14.991 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.000 min

Lab File: VN079195.D

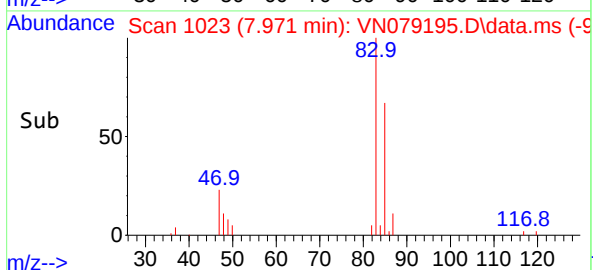
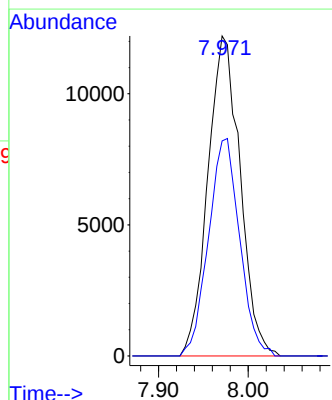
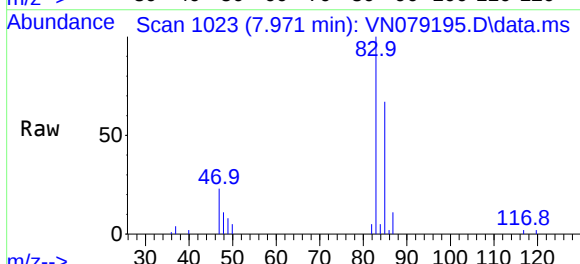
Acq: 08 Sep 2023 14:16

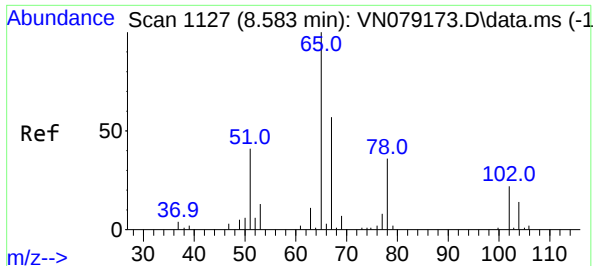
Tgt Ion: 83 Resp: 30415

Ion Ratio Lower Upper

83 100

85 67.2 50.6 76.0

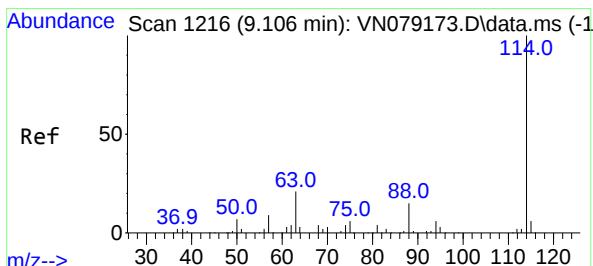
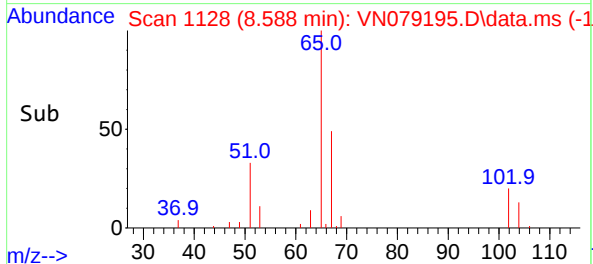
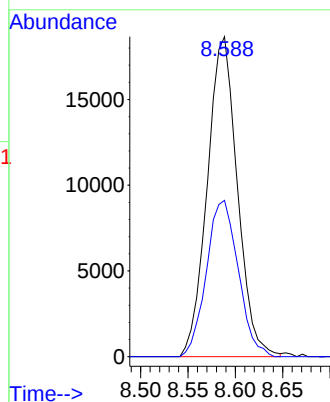
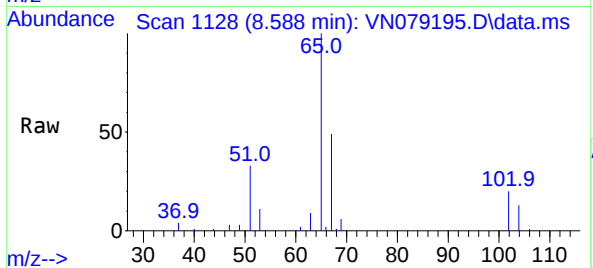




#27
1,2-Dichloroethane-d4
Concen: 32.252 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

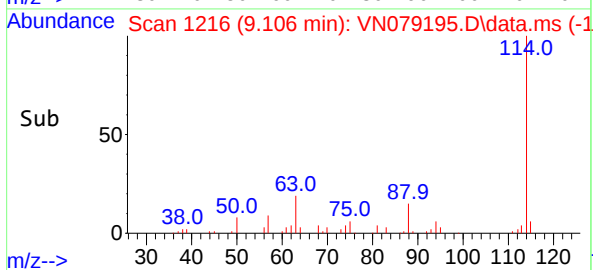
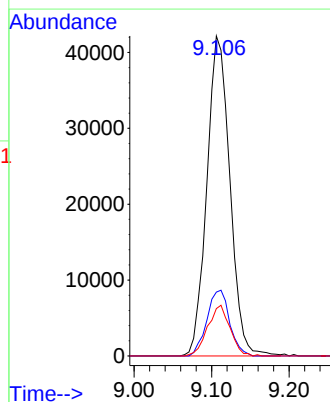
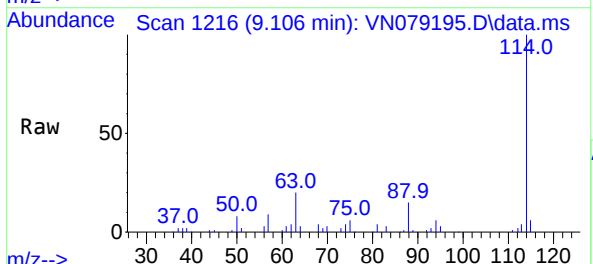
Instrument :
MSVOA_N
ClientSampleId :

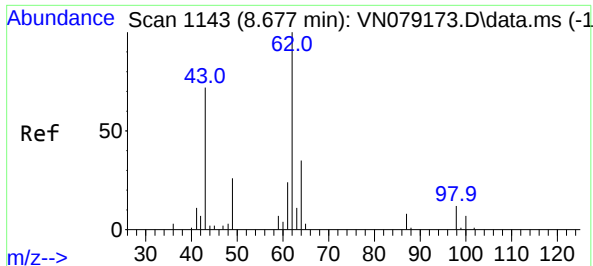
Tgt Ion: 65 Resp: 41247
Ion Ratio Lower Upper
65 100
67 51.6 44.4 66.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

Tgt Ion: 114 Resp: 87190
Ion Ratio Lower Upper
114 100
63 20.2 17.0 25.4
88 15.3 12.8 19.2

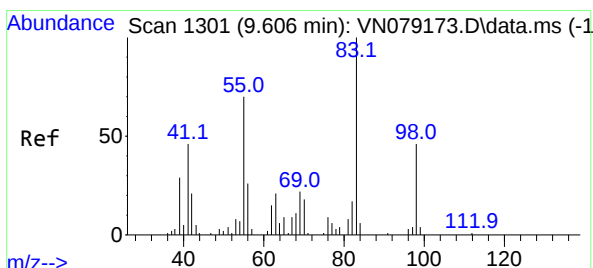
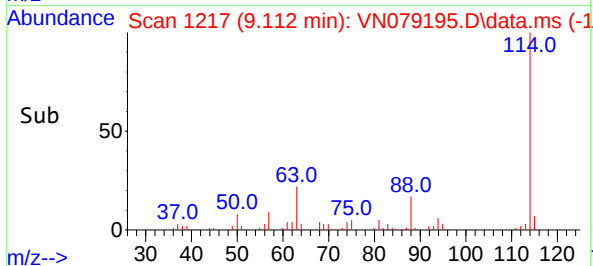
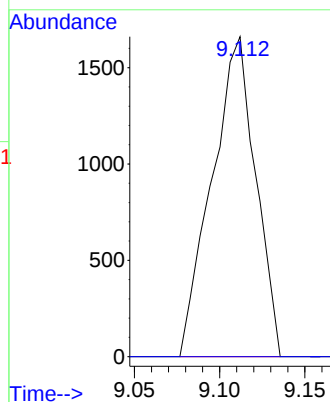
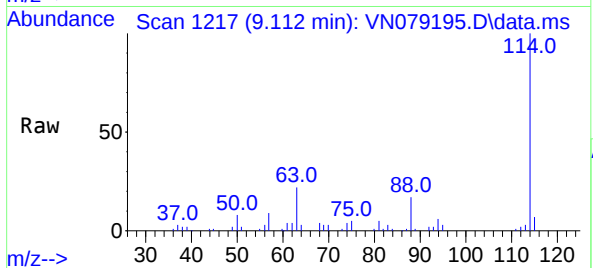




#36
1,2-Dichloroethane
Concen: 2.026 ug/l
RT: 9.112 min Scan# 1143
Delta R.T. 0.435 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

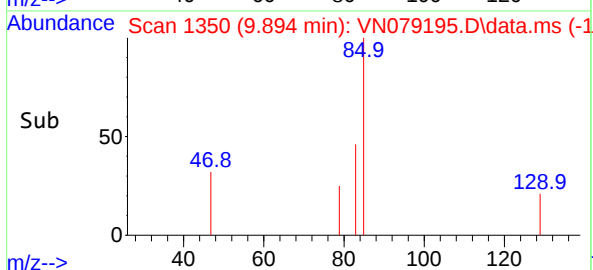
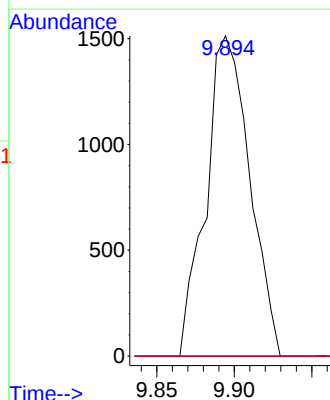
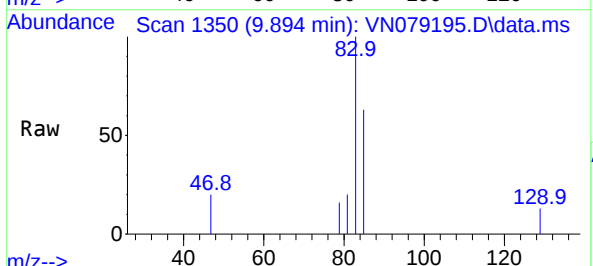
Instrument :
MSVOA_N
ClientSampleId :

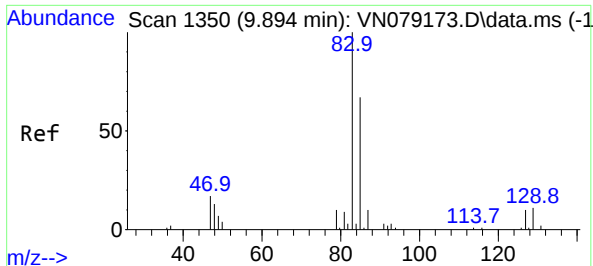
Tgt Ion: 62 Resp: 2968
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



#38
Methylcyclohexane
Concen: 2.129 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.288 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

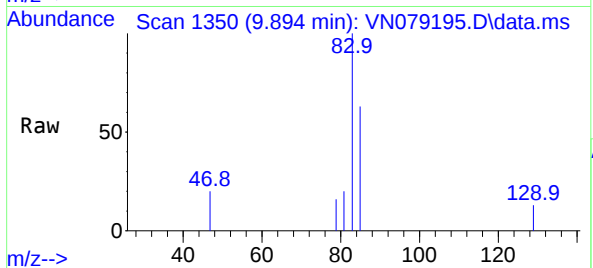
Tgt Ion: 83 Resp: 2976
Ion Ratio Lower Upper
83 100
55 0.0 39.1 117.2#
98 0.0 24.1 72.4#



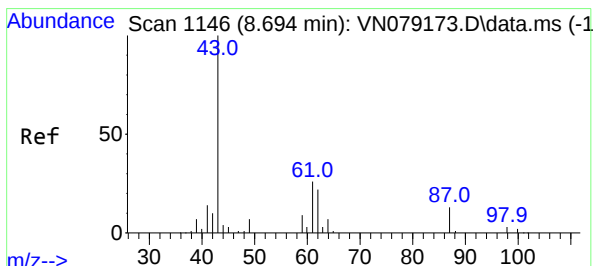
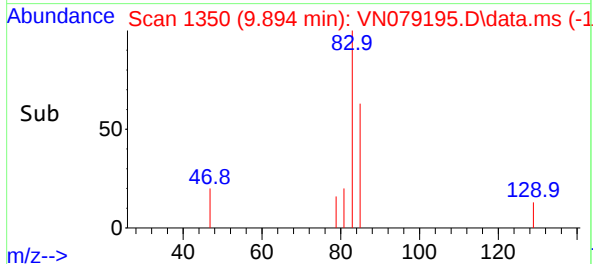
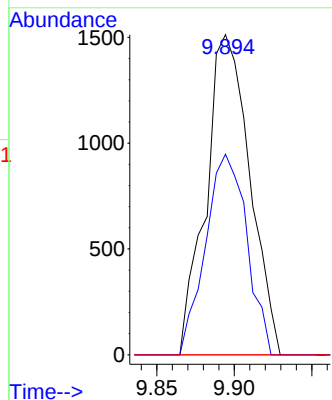


#41
Bromodichloromethane
Concen: 1.976 ug/l
RT: 9.894 min Scan# 1153
Delta R.T. 0.000 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

Instrument :
MSVOA_N
ClientSampleId :

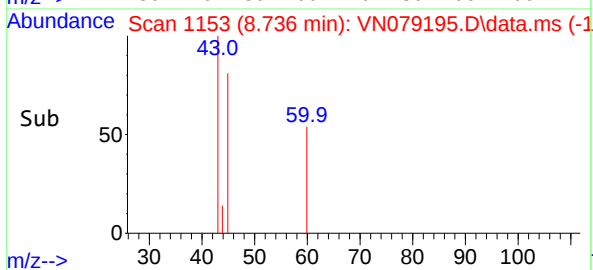
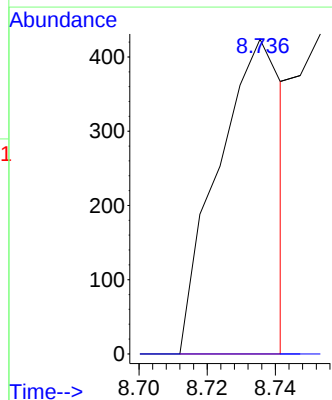
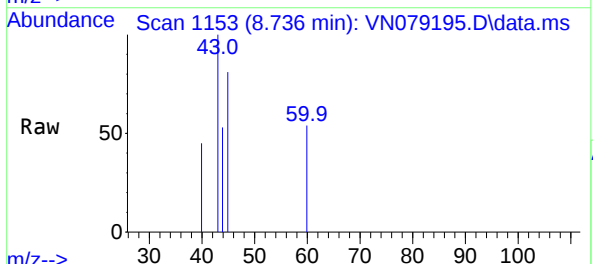


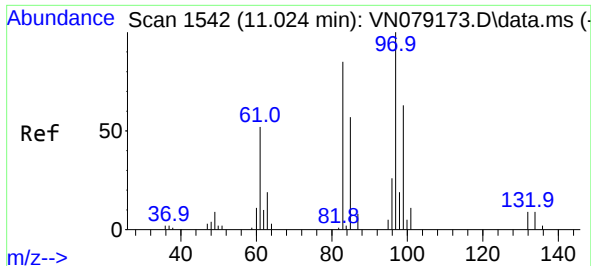
Tgt Ion: 83 Resp: 2976
Ion Ratio Lower Upper
83 100
85 62.7 53.4 80.2
127 0.0 8.3 12.5#



#44
Isopropyl Acetate
Concen: 0.234 ug/l
RT: 8.736 min Scan# 1153
Delta R.T. 0.042 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

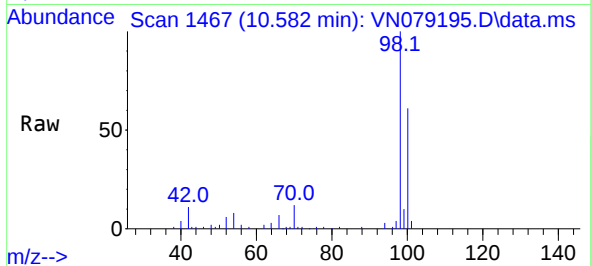
Tgt Ion: 43 Resp: 562
Ion Ratio Lower Upper
43 100
61 146.6 22.6 33.8#



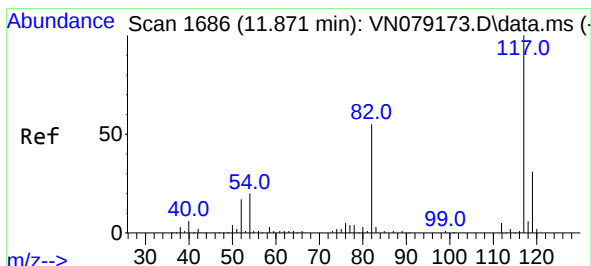
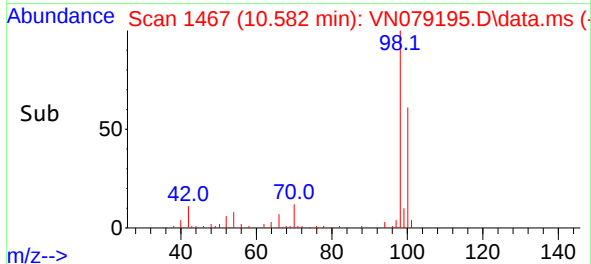
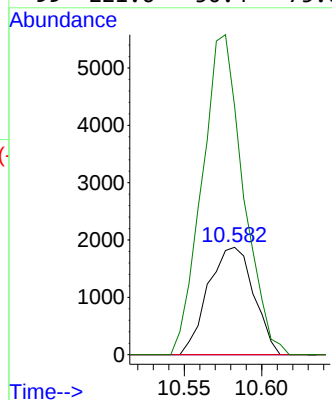


#50
1,1,2-Trichloroethane
Concen: 3.607 ug/l
RT: 10.582 min Scan# 14
Delta R.T. -0.442 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

Instrument :
MSVOA_N
ClientSampleId :

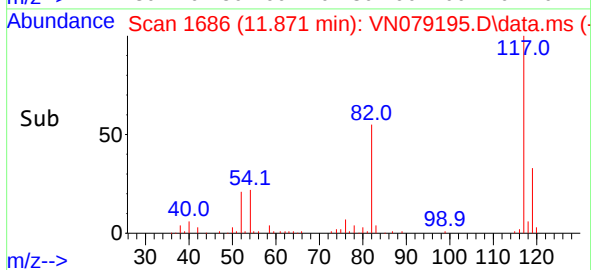
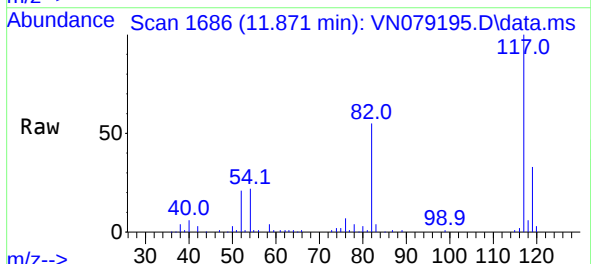
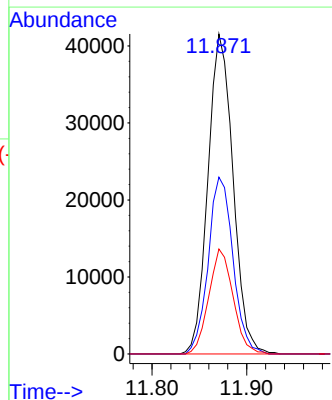


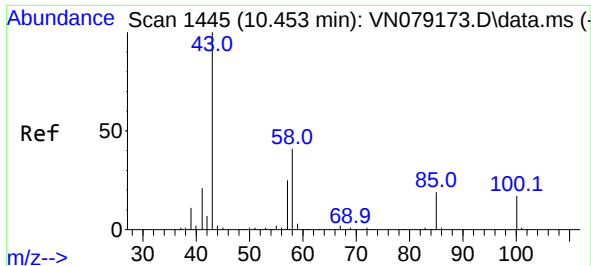
Tgt Ion: 97 Resp: 3823
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 221.6 50.4 75.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

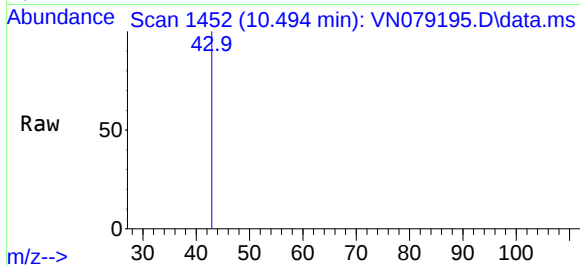
Tgt Ion: 117 Resp: 76593
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 31.8 24.9 37.3





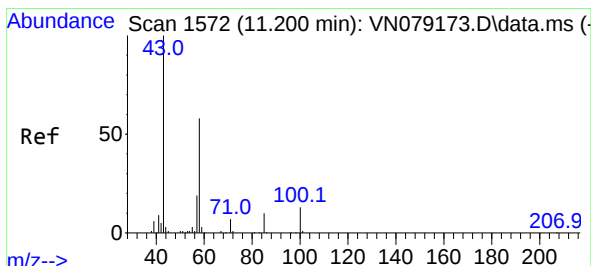
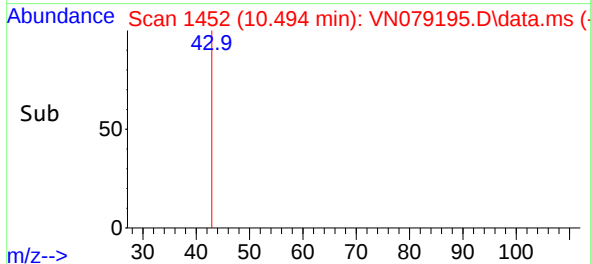
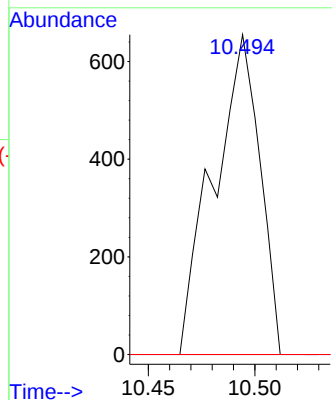
#58
 4-Methyl-2-Pentanone
 Concen: 0.706 ug/l
 RT: 10.494 min Scan# 1445
 Delta R.T. 0.041 min
 Lab File: VN079195.D
 Acq: 08 Sep 2023 14:16

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 43 Resp: 992

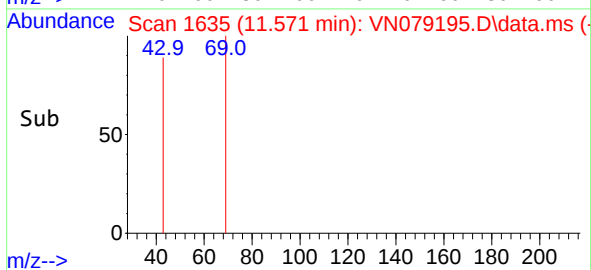
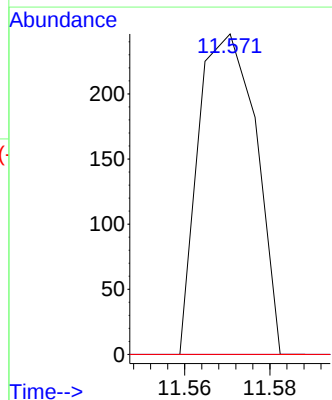
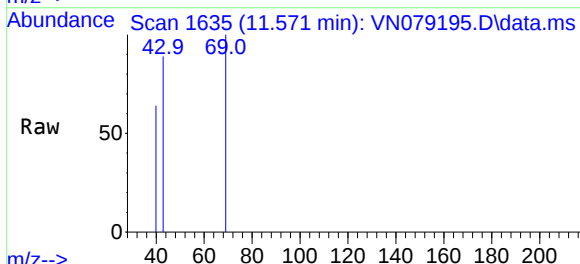
Ion	Ratio	Lower	Upper
43	100		
58	0.0	33.6	50.4#
85	0.0	15.0	22.4#

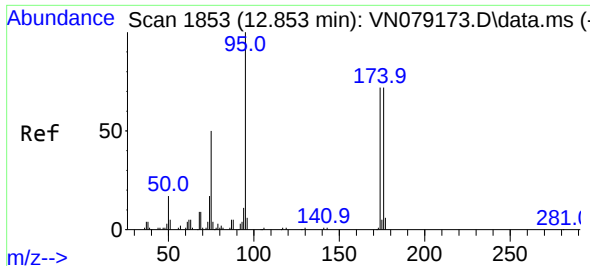


#59
 2-Hexanone
 Concen: 0.234 ug/l
 RT: 11.571 min Scan# 1635
 Delta R.T. 0.371 min
 Lab File: VN079195.D
 Acq: 08 Sep 2023 14:16

Tgt Ion: 43 Resp: 231

Ion	Ratio	Lower	Upper
43	100		
58	0.0	46.4	69.6#
57	0.0	15.3	22.9#

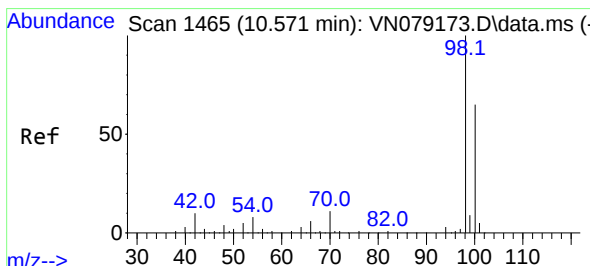
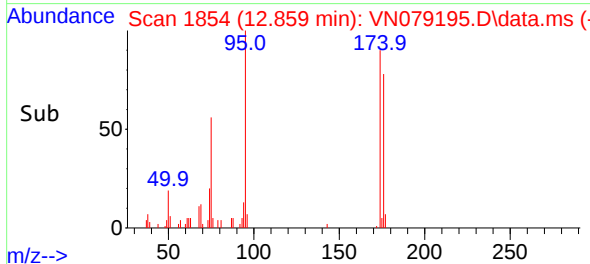
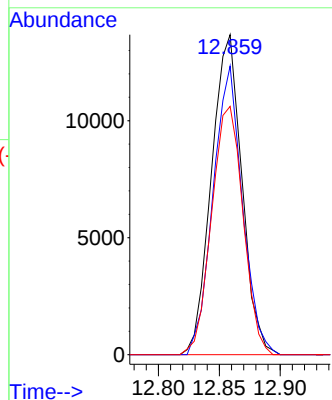
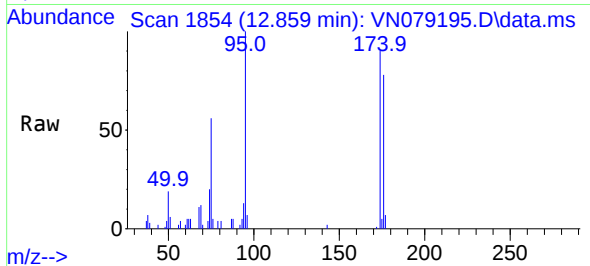




#60
4-Bromofluorobenzene
Concen: 21.046 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

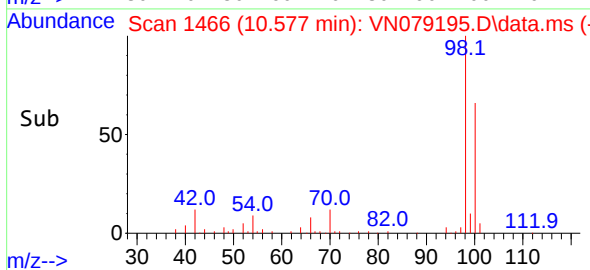
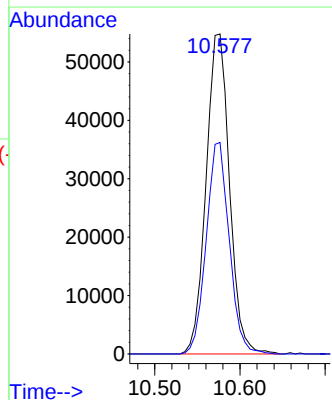
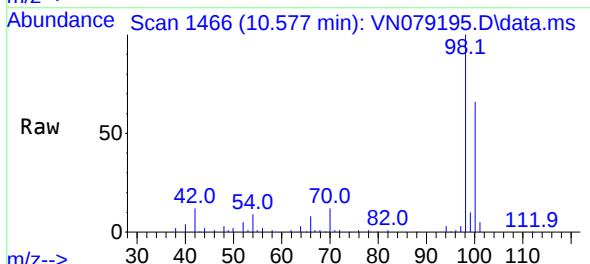
Instrument :
MSVOA_N
ClientSampleId :

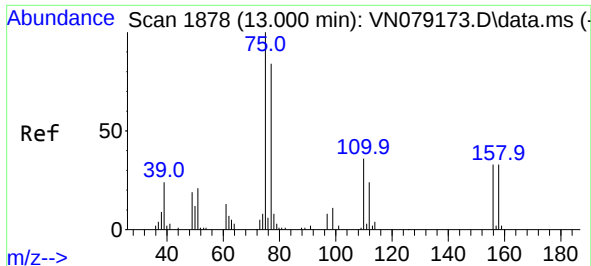
Tgt Ion: 95 Resp: 23752
Ion Ratio Lower Upper
95 100
174 87.0 59.5 89.3
176 80.2 59.1 88.7



#63
Toluene-d8
Concen: 29.271 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

Tgt Ion: 98 Resp: 104774
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7

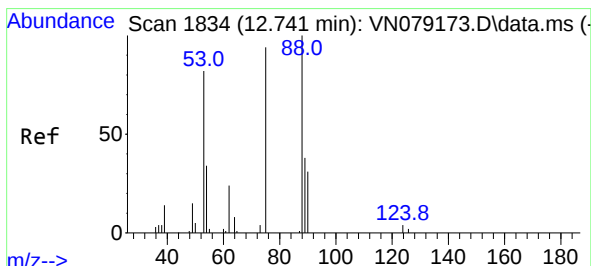
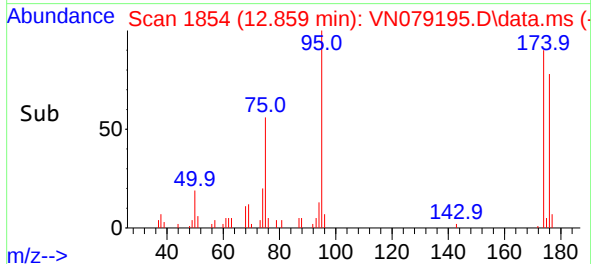
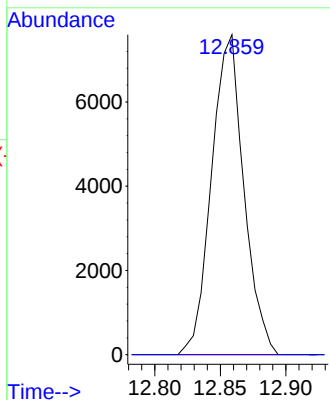
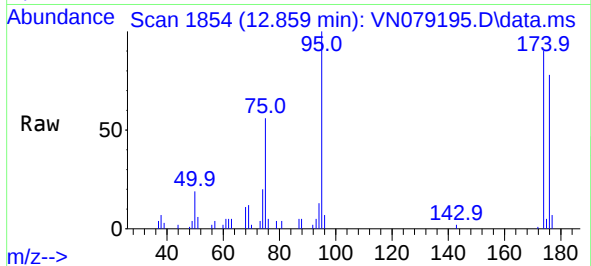




#72
1,2,3-Trichloropropane
Concen: 9.990 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.141 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 13023
Ion Ratio Lower Upper
75 100
77 0.0 0.0 252.2



#77
t-1,4-Dichloro-2-butene
Concen: 28.374 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN079195.D
Acq: 08 Sep 2023 14:16

Tgt Ion: 75 Resp: 13023
Ion Ratio Lower Upper
75 100
53 0.0 44.1 132.4#
89 0.0 22.4 67.3#

