

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079587.D
 Acq On : 17 Oct 2023 17:33
 Operator : JC\MD
 Sample : 04913-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:32:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

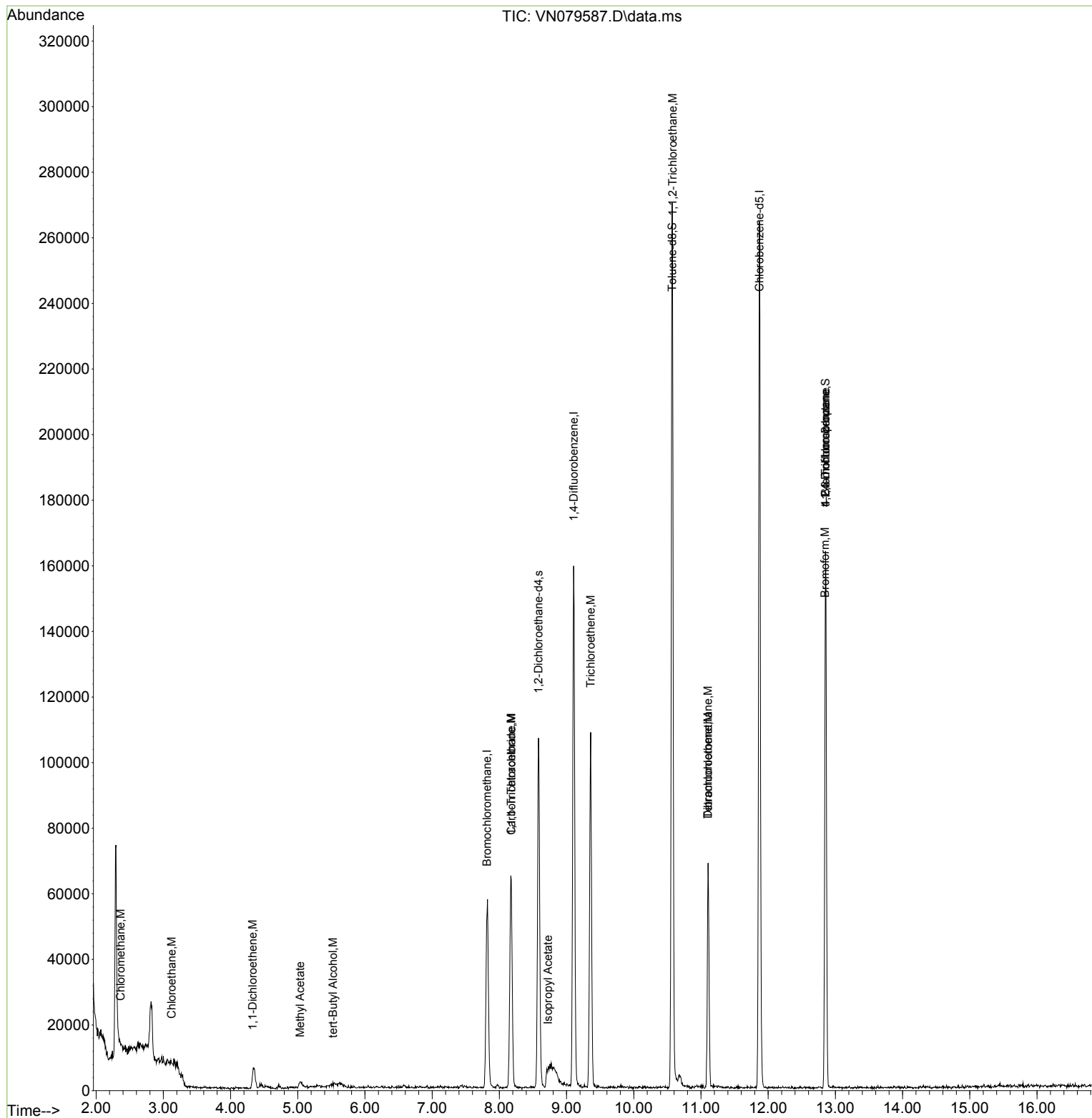
Internal Standards						
1) Bromochloromethane	7.818	128	19199	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	132719	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	148690	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	84781	31.059	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.533%
60) 4-Bromofluorobenzene	12.853	95	55883	20.552	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	68.500%
63) Toluene-d8	10.571	98	187728	29.464	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1804	0.500	ug/l	96
6) Chloroethane	3.124	64	2793	1.019	ug/l	97
10) 1,1-Dichloroethene	4.330	96	1453	0.562	ug/l #	44
12) Methyl Acetate	5.036	43	4045	0.649	ug/l #	83
23) tert-Butyl Alcohol	5.524	59	245	0.491	ug/l #	100
32) 1,1,1-Trichloroethane	8.177	97	50378	10.928	ug/l	98
33) Carbon Tetrachloride	8.177	117	6161	1.571	ug/l	89
37) Trichloroethene	9.359	130	38912	14.127	ug/l	89
44) Isopropyl Acetate	8.724	43	1800	0.277	ug/l #	50
50) 1,1,2-Trichloroethane	10.576	97	6984	2.467	ug/l #	1
53) Dibromochloromethane	11.106	129	14489	5.007	ug/l #	11
56) Bromoform	12.847	173	585	0.306	ug/l #	1
61) Tetrachloroethene	11.106	164	15322	7.505	ug/l	94
72) 1,2,3-Trichloropropane	12.853	75	30765	8.968	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	30765	29.383	ug/l #	7

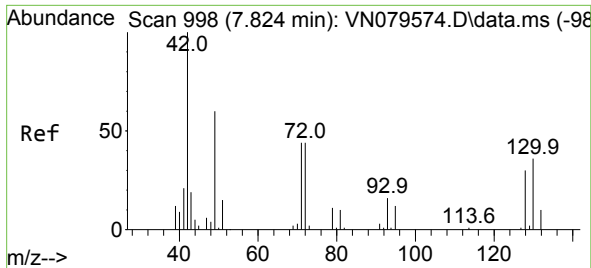
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079587.D
Acq On : 17 Oct 2023 17:33
Operator : JC\MD
Sample : 04913-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 18 02:32:58 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration

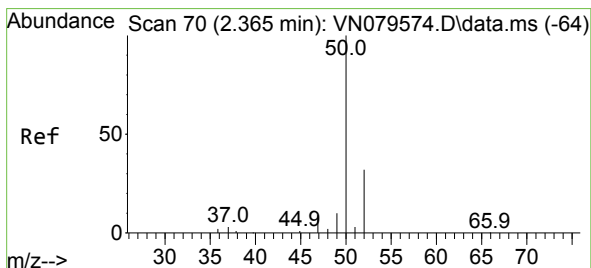
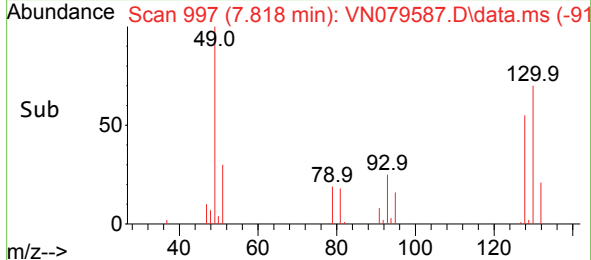
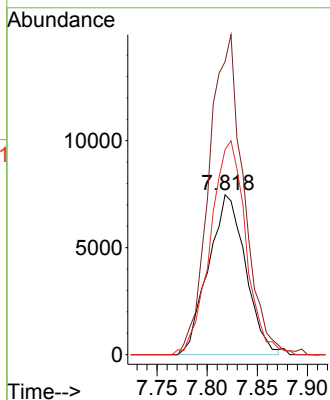
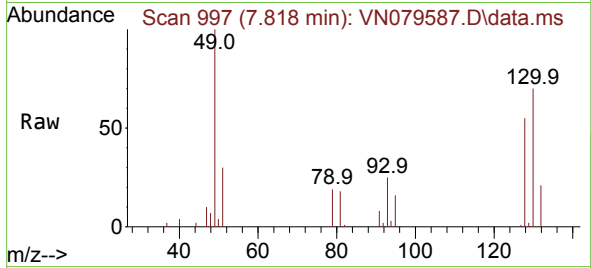




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

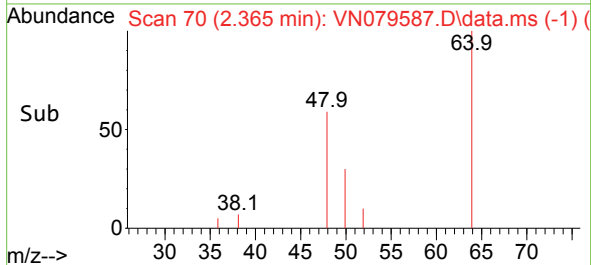
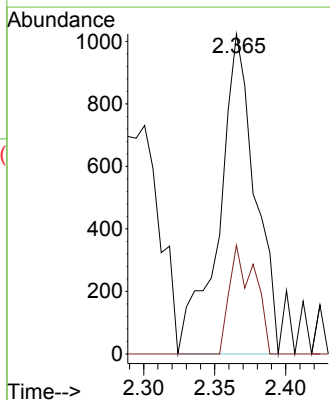
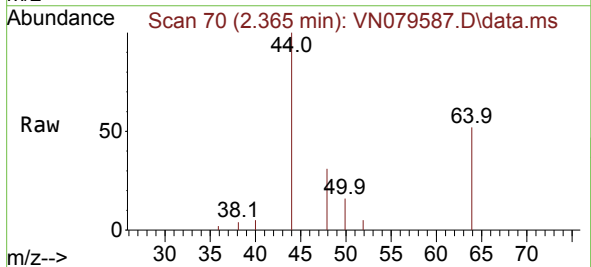
Instrument :
MSVOA_N
ClientSampleId :

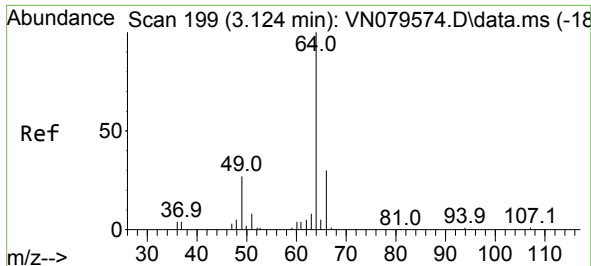
Tgt Ion:128 Resp: 19199
Ion Ratio Lower Upper
128 100
49 186.2 0.0 468.5
130 128.2 0.0 320.7



#3
Chloromethane
Concen: 0.500 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

Tgt Ion: 50 Resp: 1804
Ion Ratio Lower Upper
50 100
52 34.0 25.6 38.4

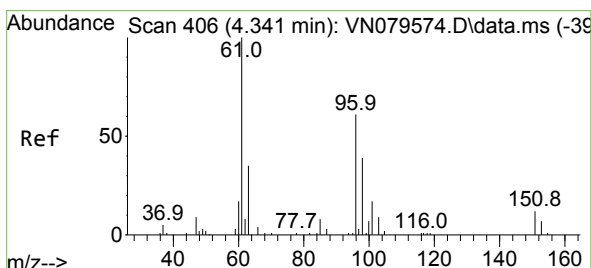
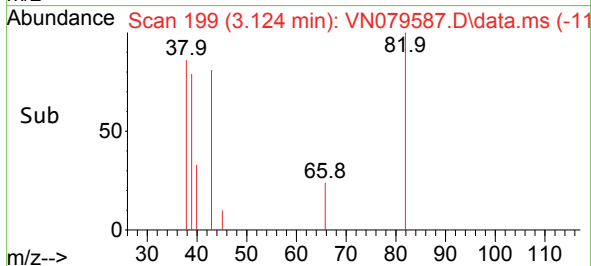
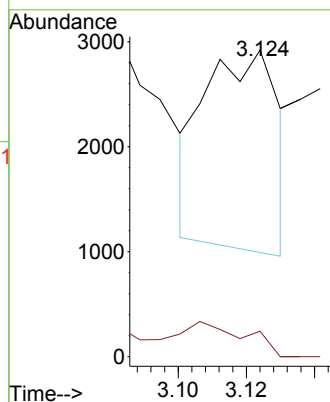
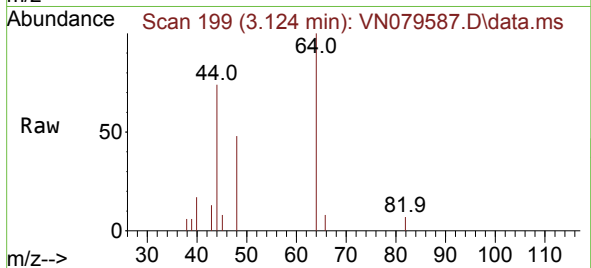




#6
Chloroethane
Concen: 1.019 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

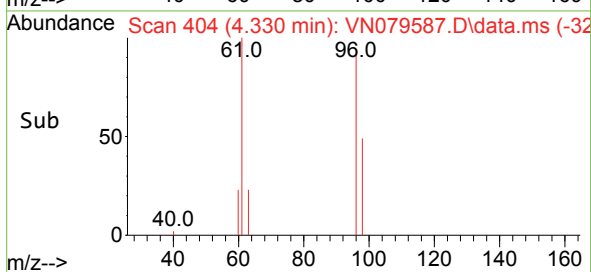
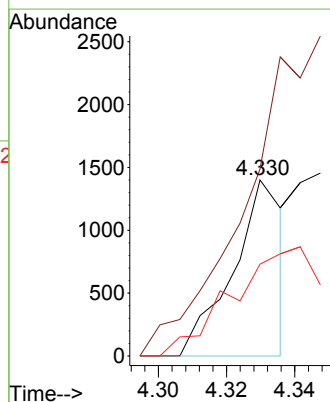
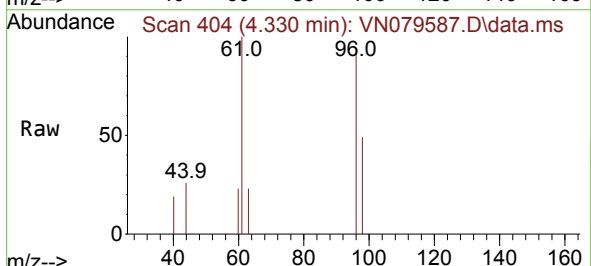
Instrument :
MSVOA_N
ClientSampleId :

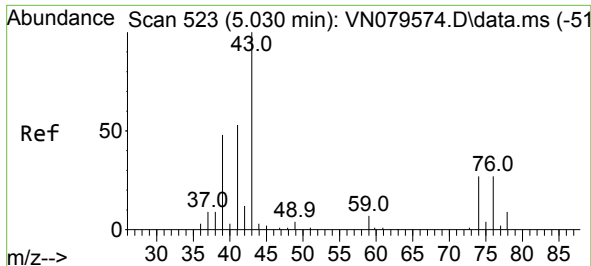
Tgt Ion: 64 Resp: 2793
Ion Ratio Lower Upper
64 100
66 30.6 23.3 34.9



#10
1,1-Dichloroethene
Concen: 0.562 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.012 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

Tgt Ion: 96 Resp: 1453
Ion Ratio Lower Upper
96 100
61 85.4 141.3 211.9#
98 41.3 53.2 79.8#





#12

Methyl Acetate

Concen: 0.649 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN079587.D

Acq: 17 Oct 2023 17:33

Instrument :

MSVOA_N

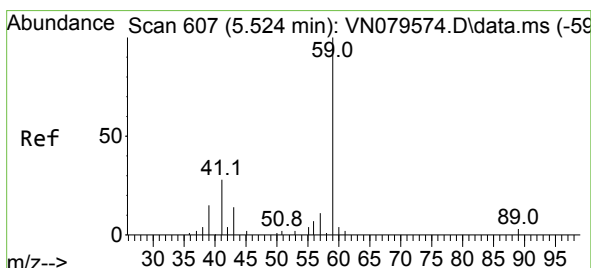
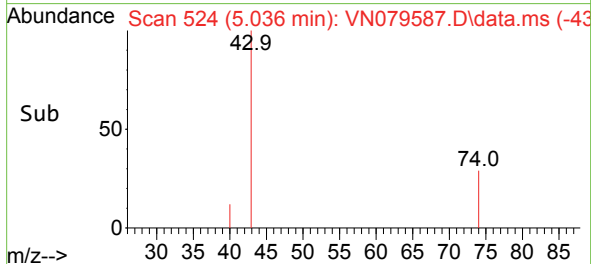
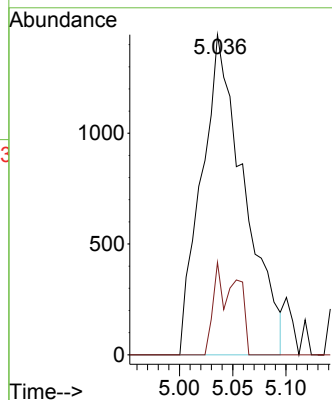
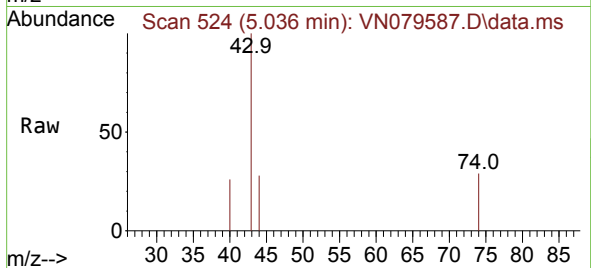
ClientSampleId :

Tgt Ion: 43 Resp: 4045

Ion Ratio Lower Upper

43 100

74 30.9 18.1 27.1#



#23

tert-Butyl Alcohol

Concen: 0.491 ug/l

RT: 5.524 min Scan# 607

Delta R.T. 0.000 min

Lab File: VN079587.D

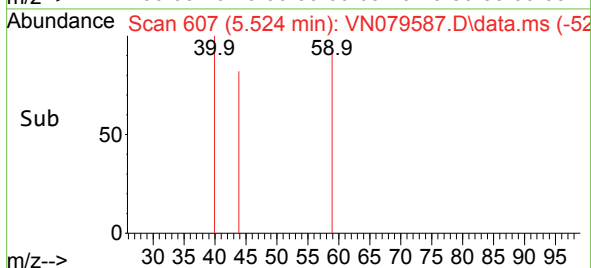
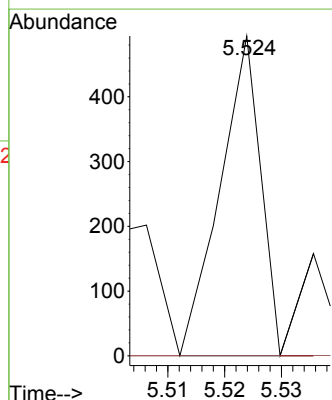
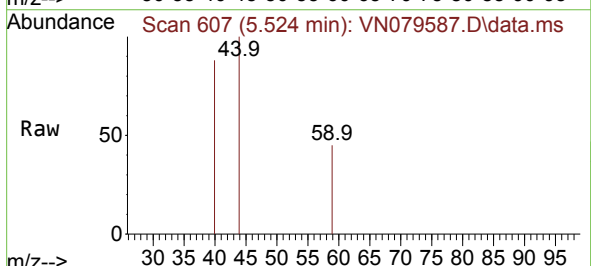
Acq: 17 Oct 2023 17:33

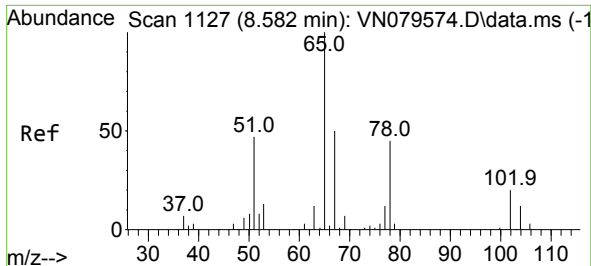
Tgt Ion: 59 Resp: 245

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

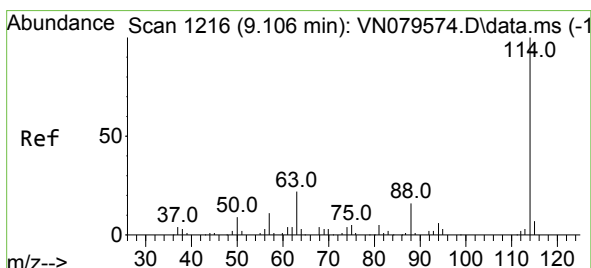
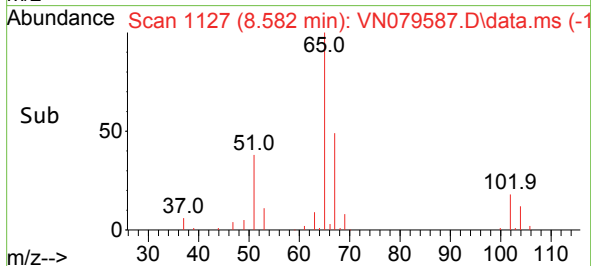
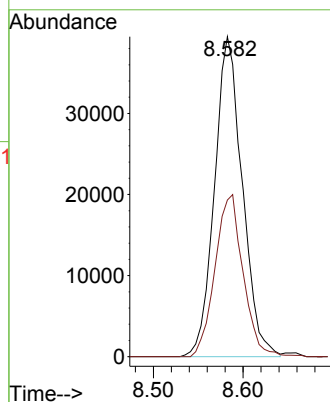
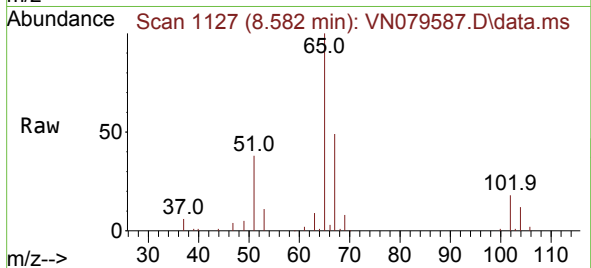




#27
1,2-Dichloroethane-d4
Concen: 31.059 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

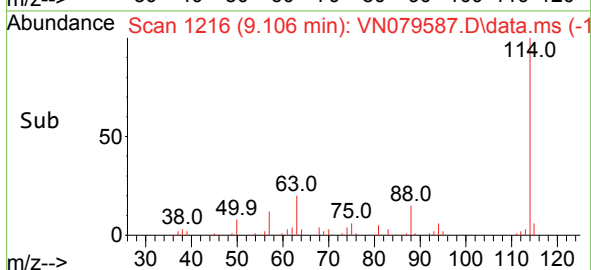
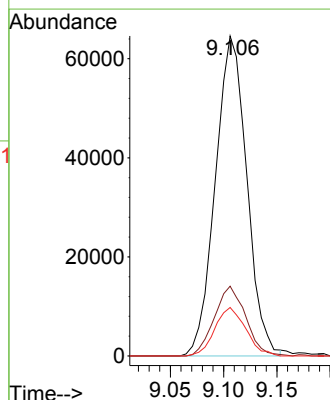
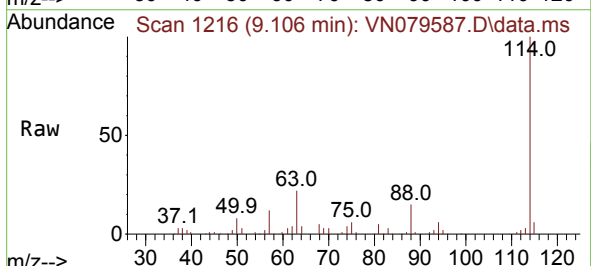
Instrument :
MSVOA_N
ClientSampleId :

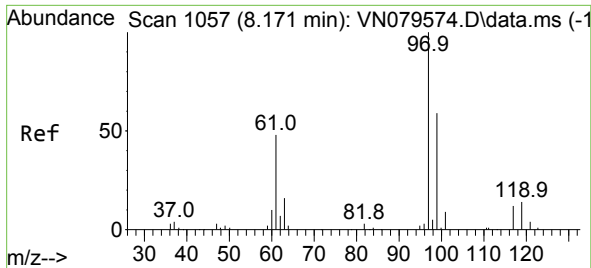
Tgt Ion: 65 Resp: 84781
Ion Ratio Lower Upper
65 100
67 51.2 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

Tgt Ion: 114 Resp: 132719
Ion Ratio Lower Upper
114 100
63 21.6 18.1 27.1
88 14.9 12.2 18.2

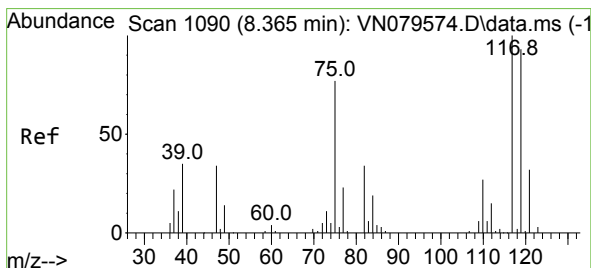
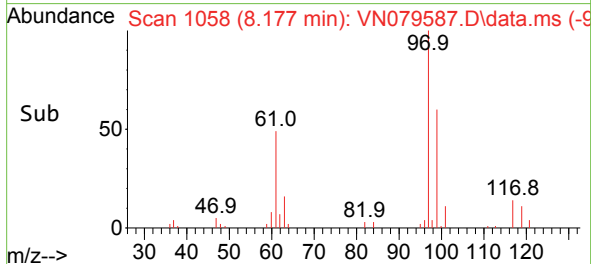
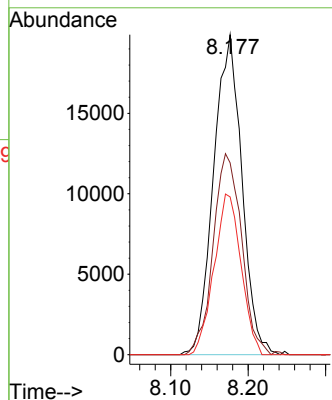
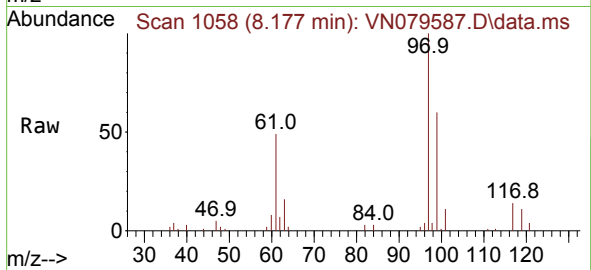




#32
1,1,1-Trichloroethane
Concen: 10.928 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

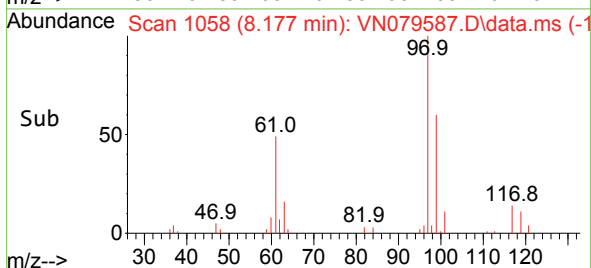
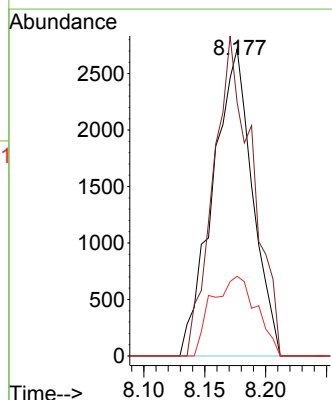
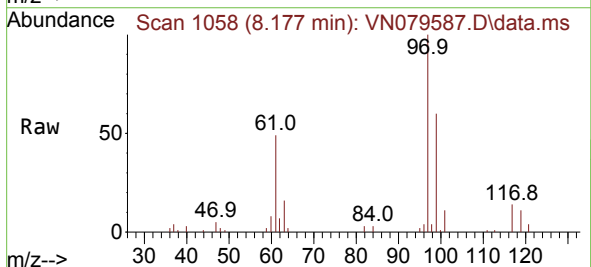
Instrument :
MSVOA_N
ClientSampleId :

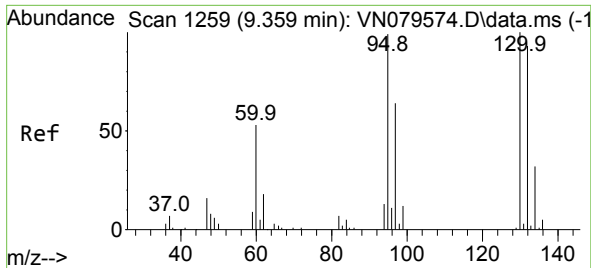
Tgt Ion: 97 Resp: 50378
Ion Ratio Lower Upper
97 100
99 63.1 51.9 77.9
61 48.0 37.6 56.4



#33
Carbon Tetrachloride
Concen: 1.571 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.188 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

Tgt Ion: 117 Resp: 6161
Ion Ratio Lower Upper
117 100
119 82.5 75.0 112.6
121 26.0 24.3 36.5

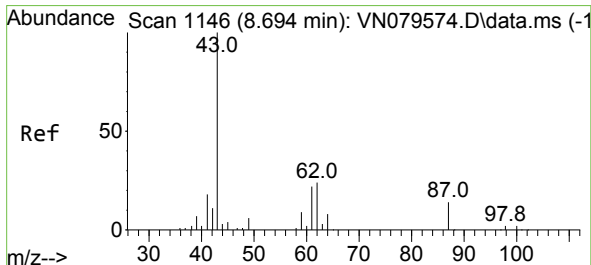
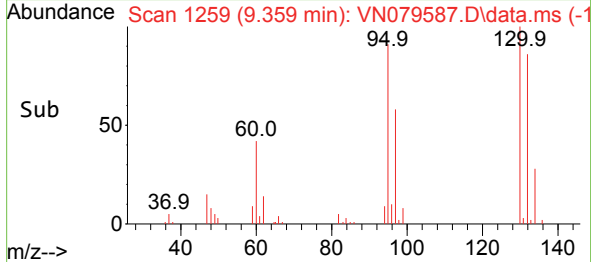
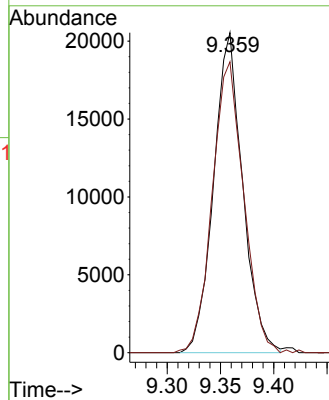
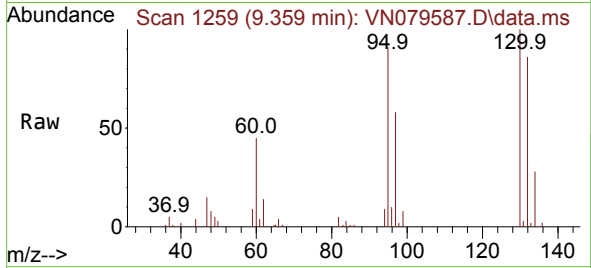




#37
Trichloroethene
Concen: 14.127 ug/l
RT: 9.359 min Scan# 1151
Delta R.T. 0.000 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

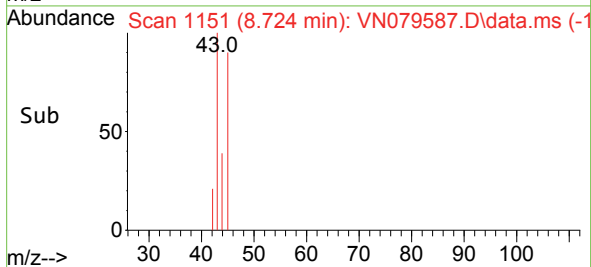
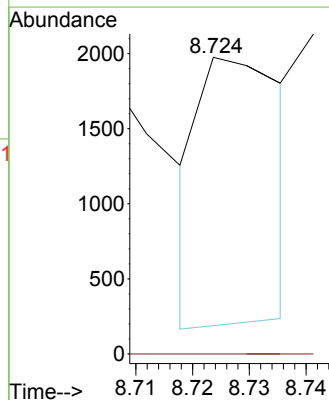
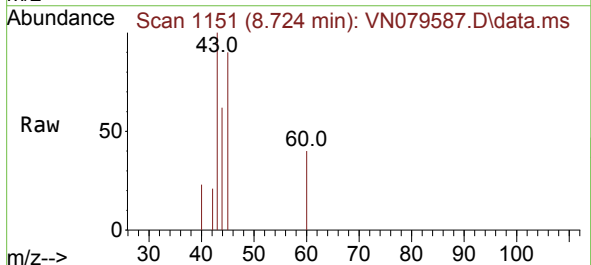
Instrument :
MSVOA_N
ClientSampleId :

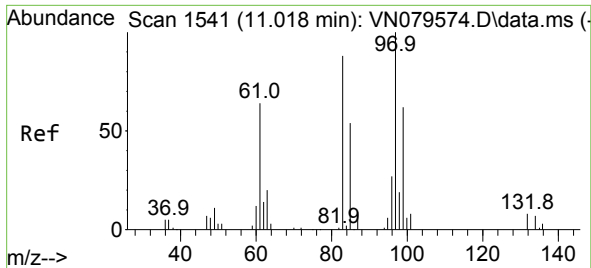
Tgt Ion:130 Resp: 38912
Ion Ratio Lower Upper
130 100
95 90.9 81.2 121.8



#44
Isopropyl Acetate
Concen: 0.277 ug/l
RT: 8.724 min Scan# 1151
Delta R.T. 0.030 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

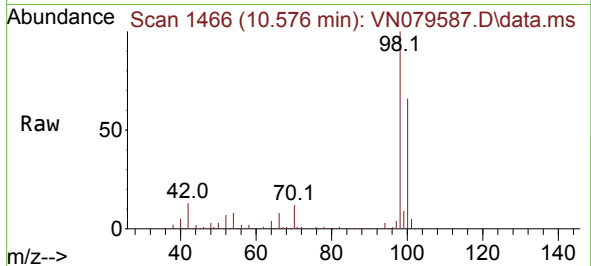
Tgt Ion: 43 Resp: 1800
Ion Ratio Lower Upper
43 100
61 0.0 20.3 30.5#



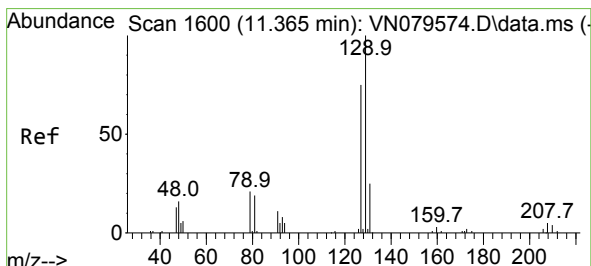
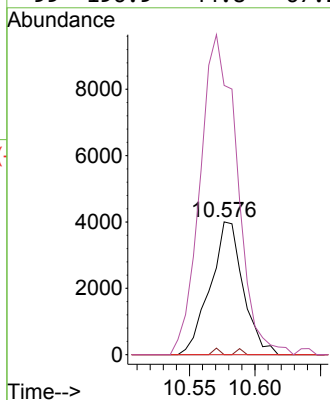
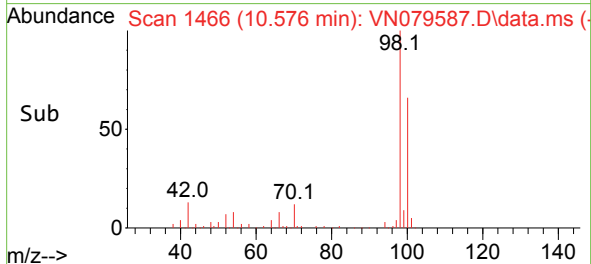


#50
1,1,2-Trichloroethane
Concen: 2.467 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

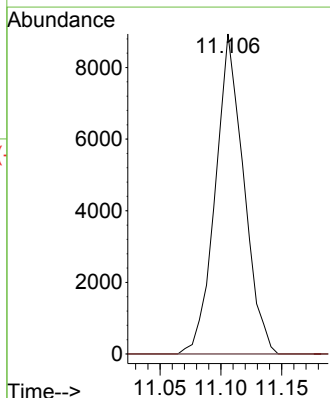
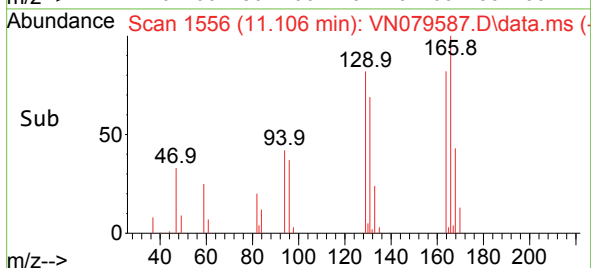
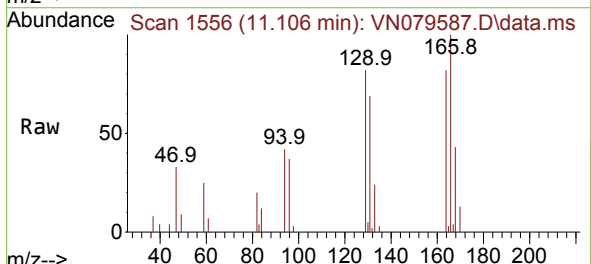


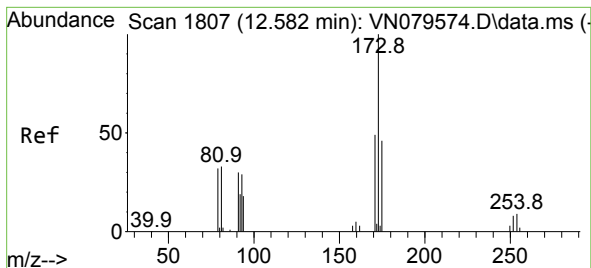
Tgt Ion: 97	Resp: 6984
Ion Ratio	Lower Upper
97 100	
83 0.0	68.2 102.4#
85 0.0	42.9 64.3#
99 196.9	44.8 67.2#



#53
Dibromochloromethane
Concen: 5.007 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

Tgt Ion: 129	Resp: 14489
Ion Ratio	Lower Upper
129 100	
127 0.0	38.8 116.3#





#56

Bromoform

Concen: 0.306 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

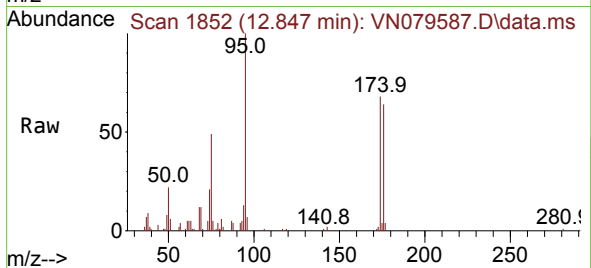
Lab File: VN079587.D

Acq: 17 Oct 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :



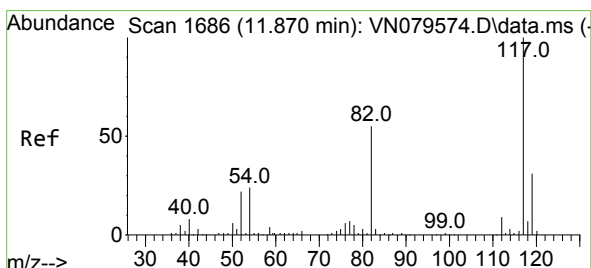
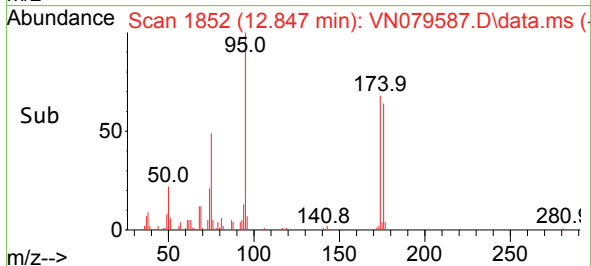
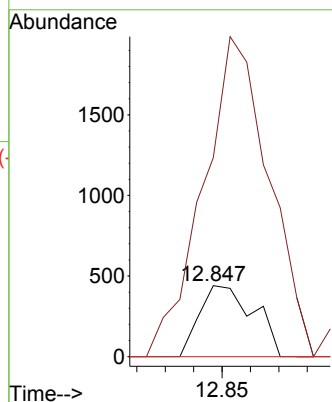
Tgt Ion:173 Resp: 585

Ion Ratio Lower Upper

173 100

175 547.9 37.9 56.9#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN079587.D

Acq: 17 Oct 2023 17:33

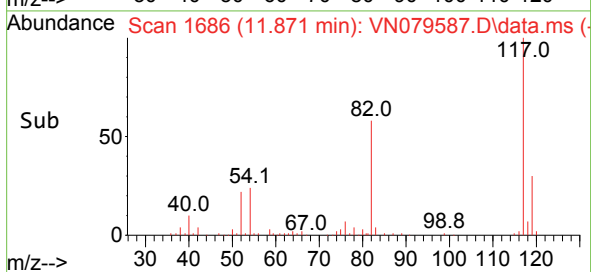
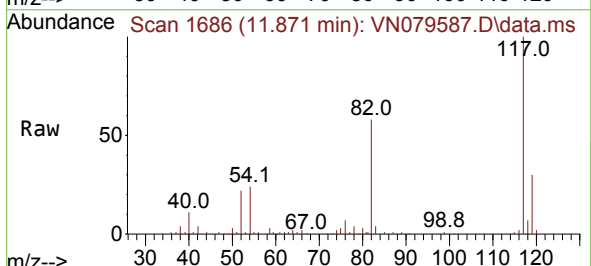
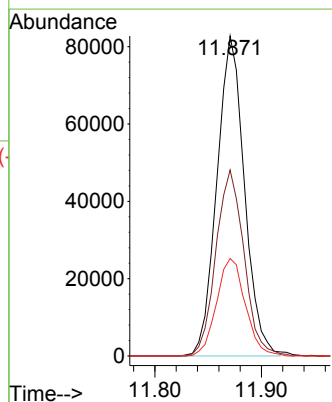
Tgt Ion:117 Resp: 148690

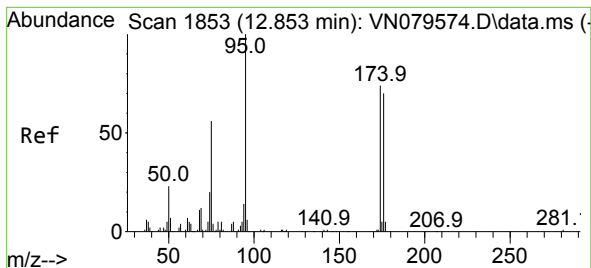
Ion Ratio Lower Upper

117 100

82 59.2 46.2 69.2

119 31.7 25.2 37.8

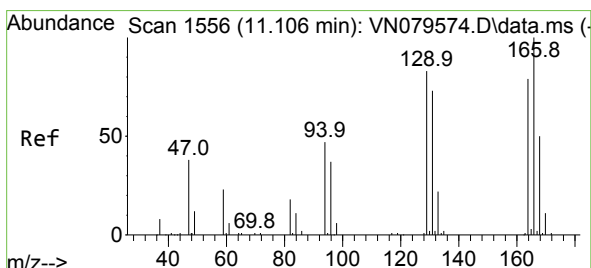
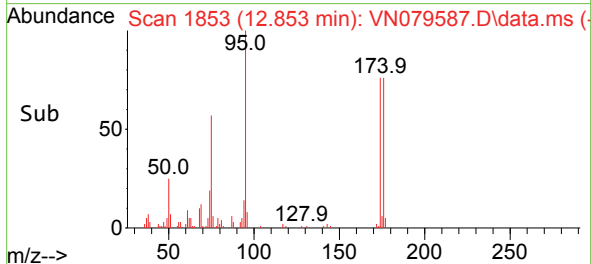
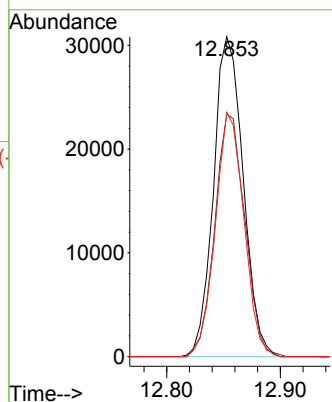
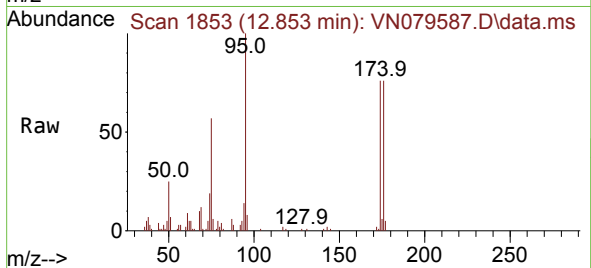




#60
4-Bromofluorobenzene
Concen: 20.552 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

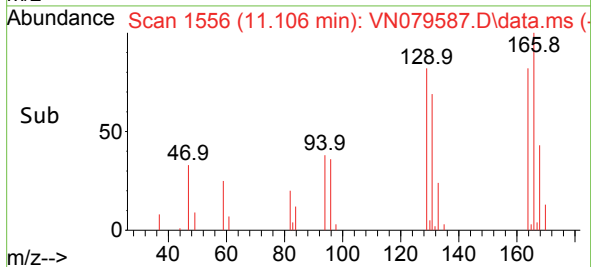
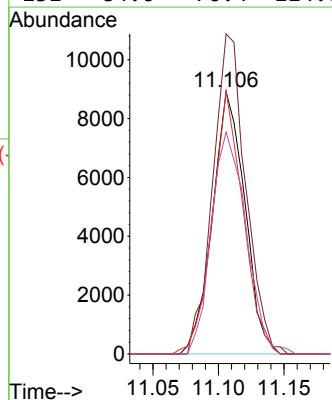
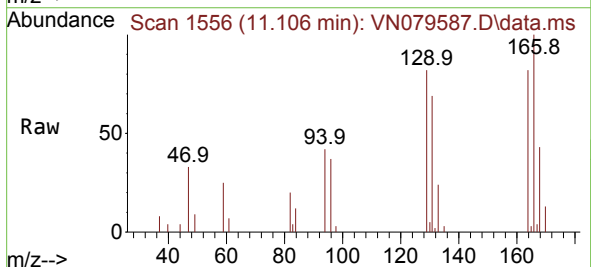
Instrument :
MSVOA_N
ClientSampleId :

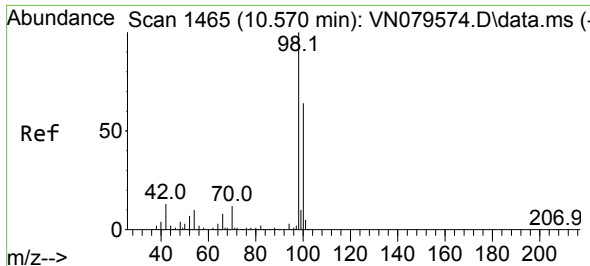
Tgt Ion: 95 Resp: 55883
Ion Ratio Lower Upper
95 100
174 76.9 60.5 90.7
176 73.4 57.2 85.8



#61
Tetrachloroethene
Concen: 7.505 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

Tgt Ion: 164 Resp: 15322
Ion Ratio Lower Upper
164 100
166 122.0 98.2 147.4
129 100.3 75.0 112.4
131 84.6 76.4 114.6

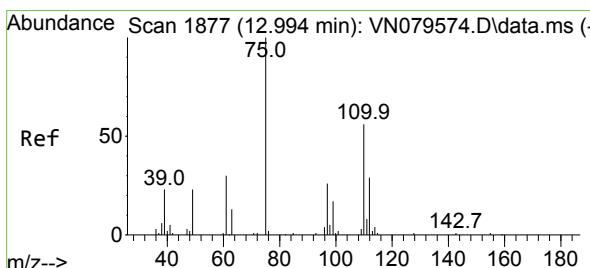
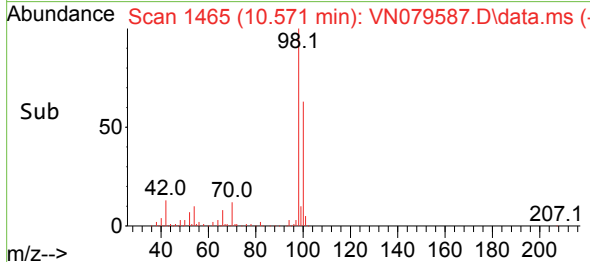
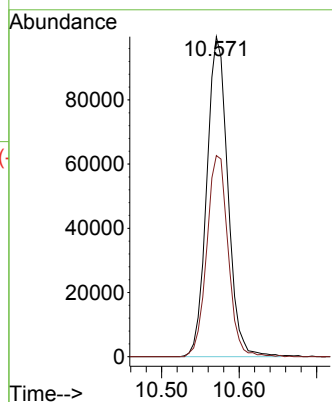
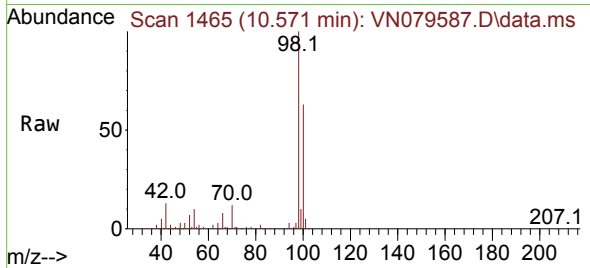




#63
Toluene-d8
Concen: 29.464 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

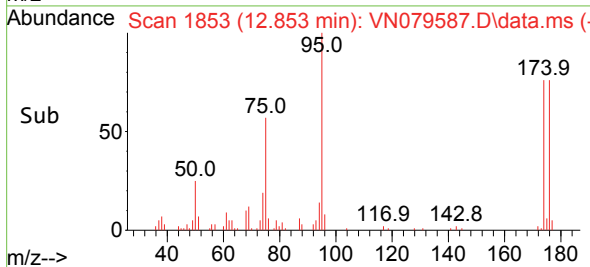
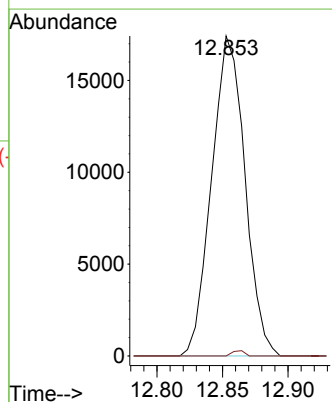
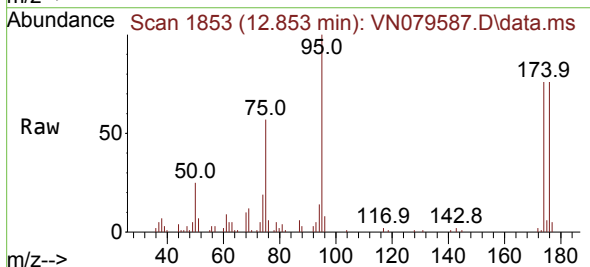
Instrument :
MSVOA_N
ClientSampleId :

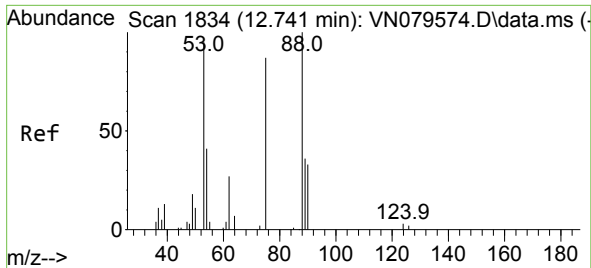
Tgt Ion: 98 Resp: 187728
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 8.968 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079587.D
Acq: 17 Oct 2023 17:33

Tgt Ion: 75 Resp: 30765
Ion Ratio Lower Upper
75 100
77 0.6 0.0 338.2





#77

t-1,4-Dichloro-2-butene

Concen: 29.383 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.112 min

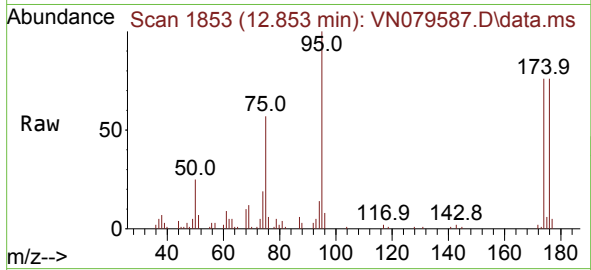
Lab File: VN079587.D

Acq: 17 Oct 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 30765

Ion Ratio Lower Upper

75 100

53 0.0 53.0 159.1#

89 0.0 22.6 67.7#

