

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079584.D
 Acq On : 17 Oct 2023 16:21
 Operator : JC\MD
 Sample : 04911-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 02:31:53 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)

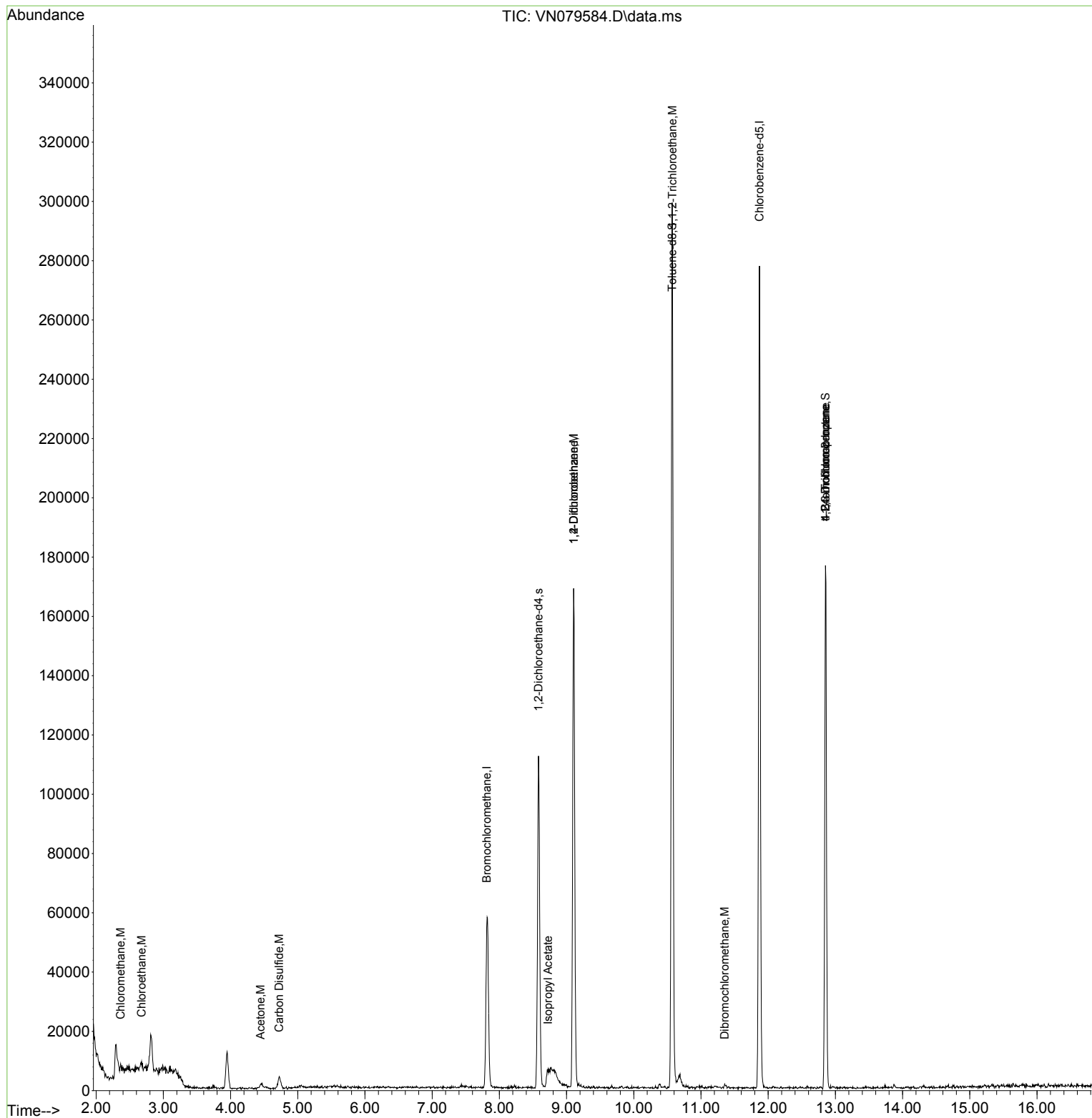
Internal Standards						
1) Bromochloromethane	7.812	128	20016	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	138629	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	159692	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	88481	31.091	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.633%
60) 4-Bromofluorobenzene	12.853	95	61242	20.971	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	69.900%
63) Toluene-d8	10.571	98	203004	29.666	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.900%
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	1275	0.339	ug/l #	85
6) Chloroethane	2.677	64	574	0.201	ug/l	96
15) Acetone	4.447	58	573	1.162	ug/l #	1
16) Carbon Disulfide	4.724	76	3489	0.424	ug/l #	74
36) 1,2-Dichloroethane	9.106	62	5675	1.291	ug/l #	75
44) Isopropyl Acetate	8.724	43	1482	0.218	ug/l #	50
50) 1,1,2-Trichloroethane	10.577	97	7678	2.596	ug/l #	1
53) Dibromochloromethane	11.353	129	728	0.241	ug/l #	35
72) 1,2,3-Trichloropropane	12.853	75	34016	9.232	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	34016	30.250	ug/l #	7

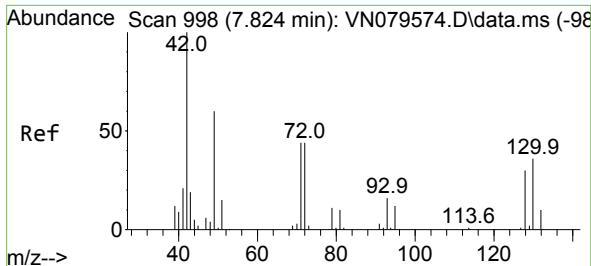
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
Data File : VN079584.D
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Instrument :
MSVOA_N
ClientSampleId :

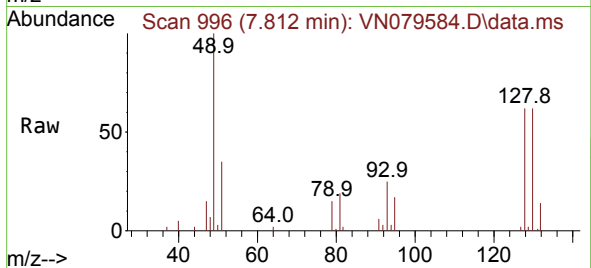
Quant Time: Oct 18 02:31:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



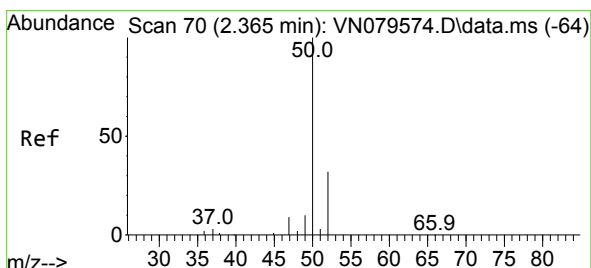
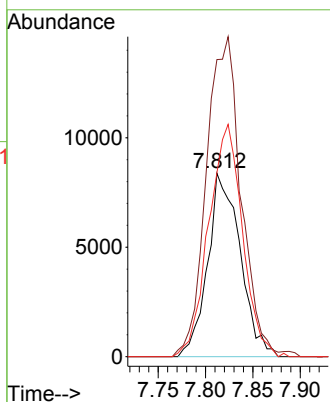
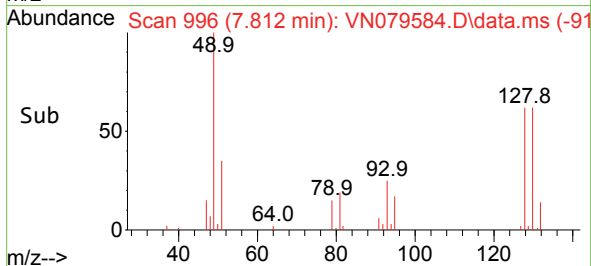


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

Instrument :
MSVOA_N
ClientSampleId :

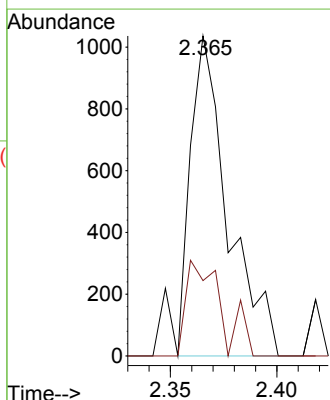
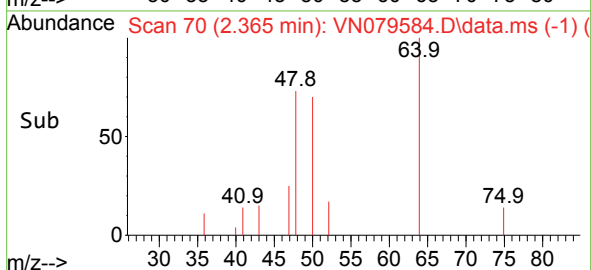
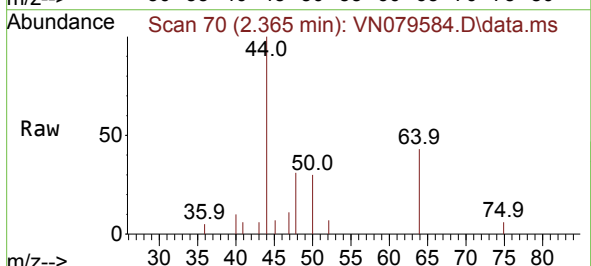


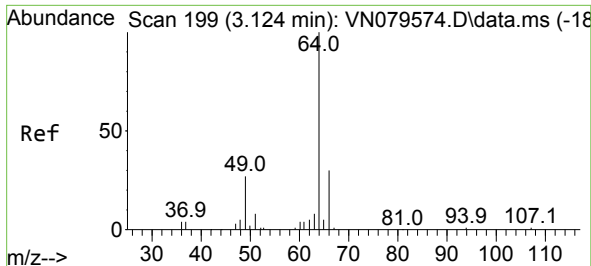
Tgt Ion:128 Resp: 20016
Ion Ratio Lower Upper
128 100
49 185.7 0.0 468.5
130 131.7 0.0 320.7



#3
Chloromethane
Concen: 0.339 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

Tgt Ion: 50 Resp: 1275
Ion Ratio Lower Upper
50 100
52 23.6 25.6 38.4#

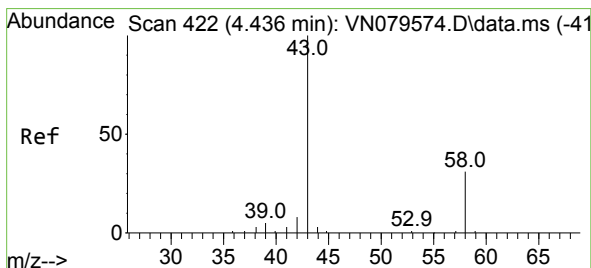
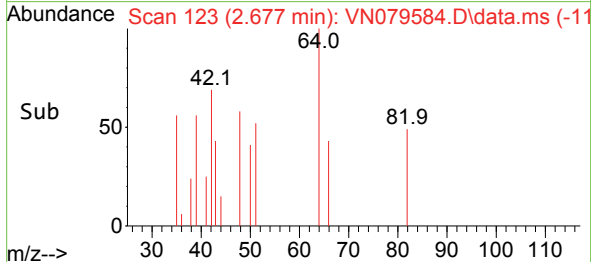
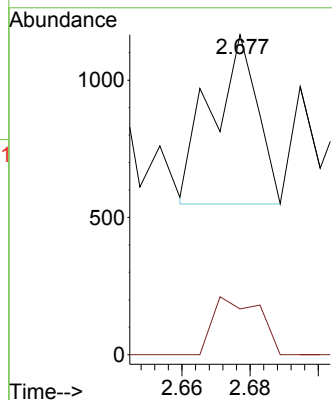
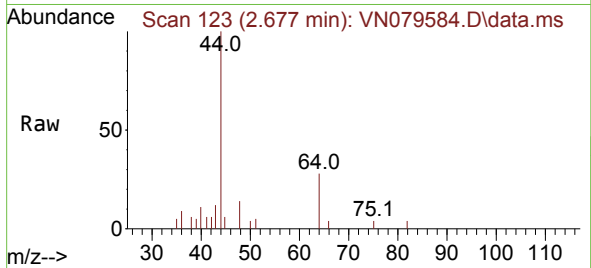




#6
Chloroethane
Concen: 0.201 ug/l
RT: 2.677 min Scan# 11
Delta R.T. -0.447 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

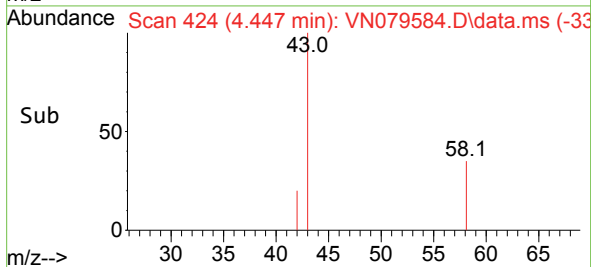
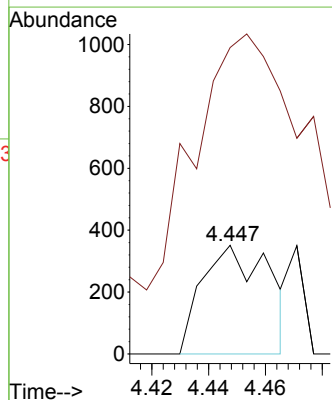
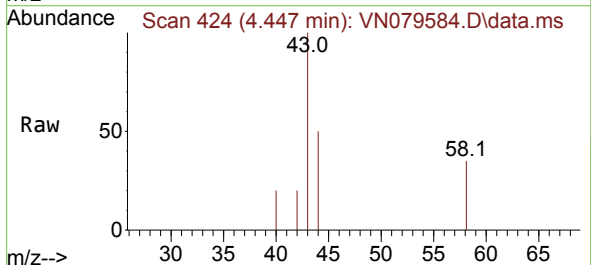
Instrument :
MSVOA_N
ClientSampleId :

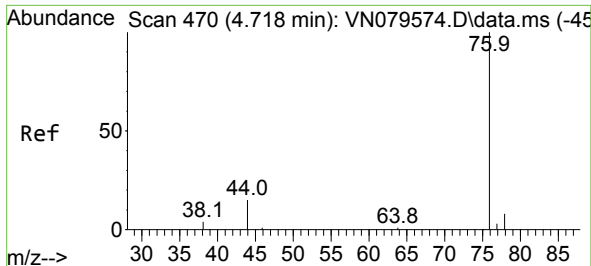
Tgt Ion: 64 Resp: 574
Ion Ratio Lower Upper
64 100
66 27.1 23.3 34.9



#15
Acetone
Concen: 1.162 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

Tgt Ion: 58 Resp: 573
Ion Ratio Lower Upper
58 100
43 88.3 225.2 337.8#

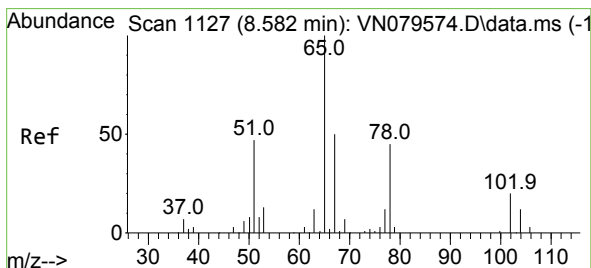
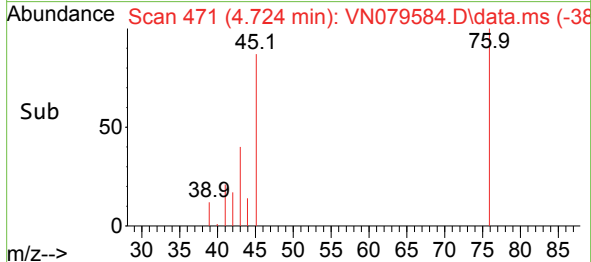
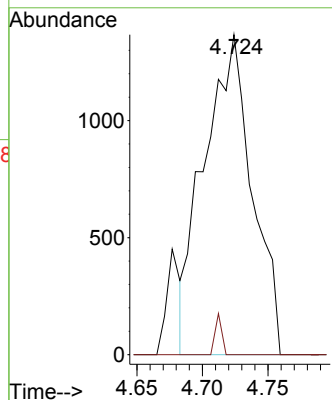
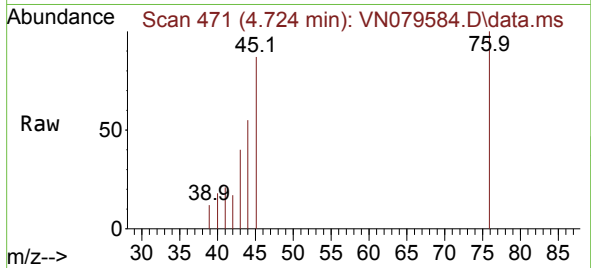




#16
Carbon Disulfide
Concen: 0.424 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

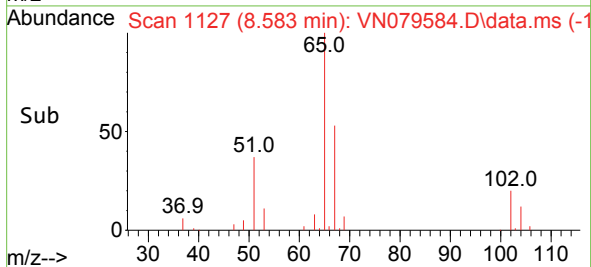
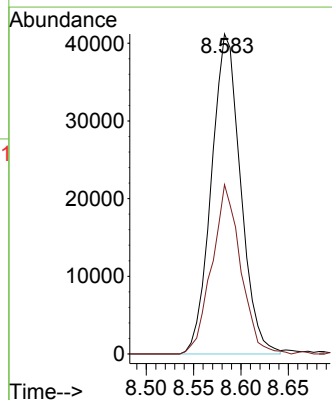
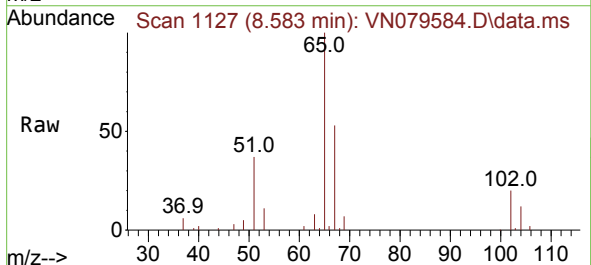
Instrument :
MSVOA_N
ClientSampleId :

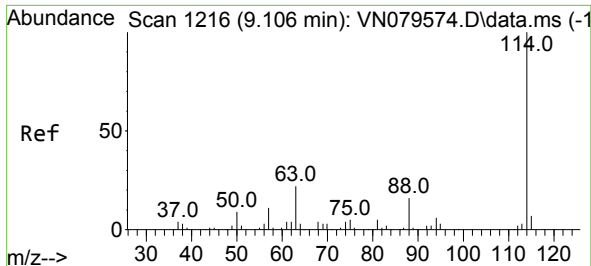
Tgt Ion: 76 Resp: 3489
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#27
1,2-Dichloroethane-d4
Concen: 31.091 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

Tgt Ion: 65 Resp: 88481
Ion Ratio Lower Upper
65 100
67 52.1 42.1 63.1

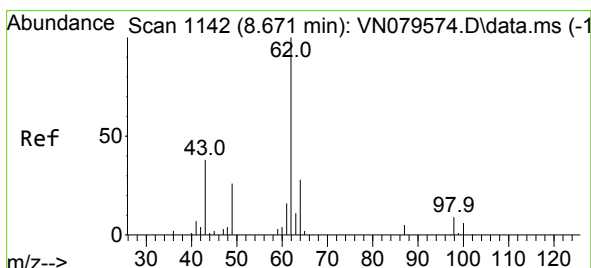
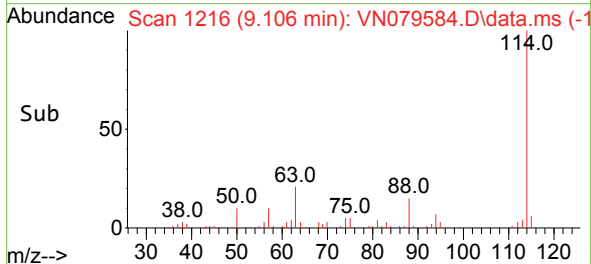
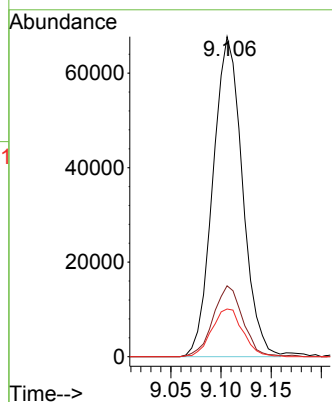
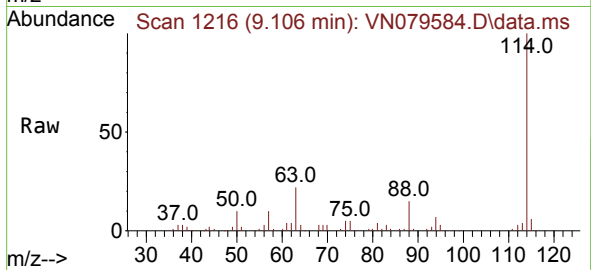




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

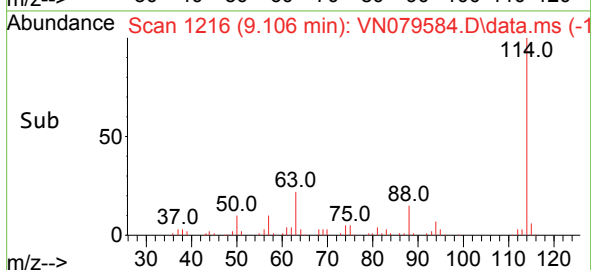
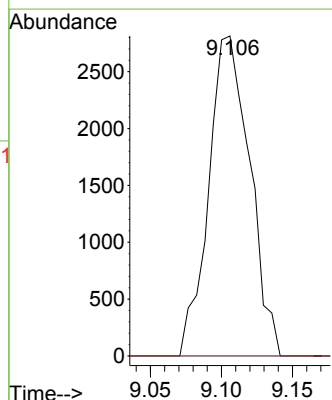
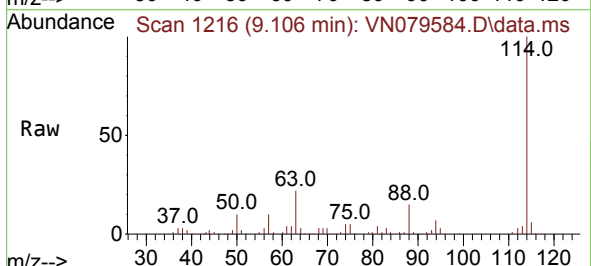
Instrument :
MSVOA_N
ClientSampleId :

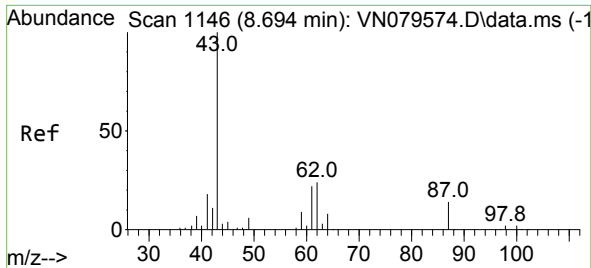
Tgt Ion:114 Resp: 138629
Ion Ratio Lower Upper
114 100
63 22.2 18.1 27.1
88 15.7 12.2 18.2



#36
1,2-Dichloroethane
Concen: 1.291 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

Tgt Ion: 62 Resp: 5675
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

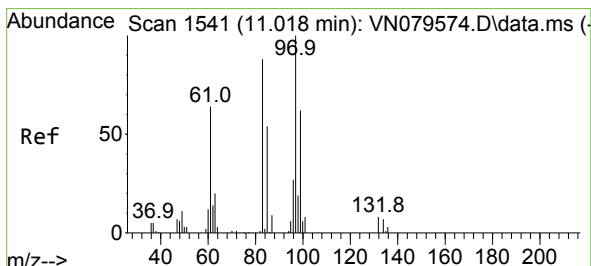
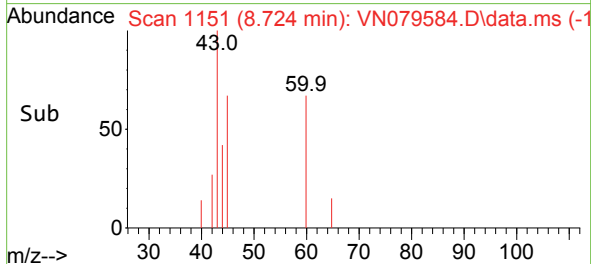
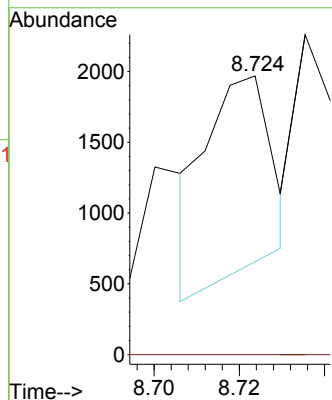
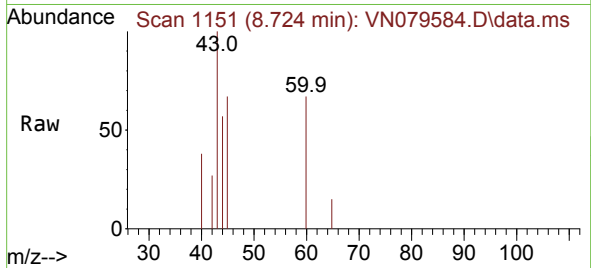




#44
Isopropyl Acetate
Concen: 0.218 ug/l
RT: 8.724 min Scan# 1146
Delta R.T. 0.030 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

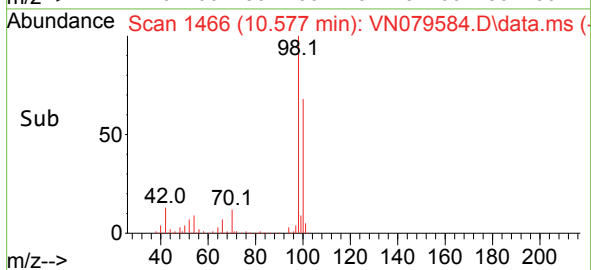
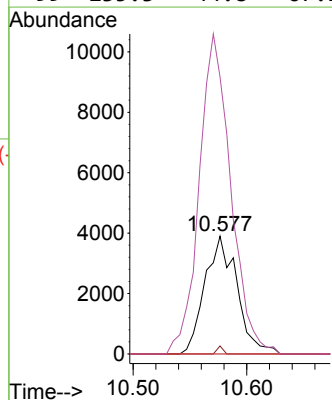
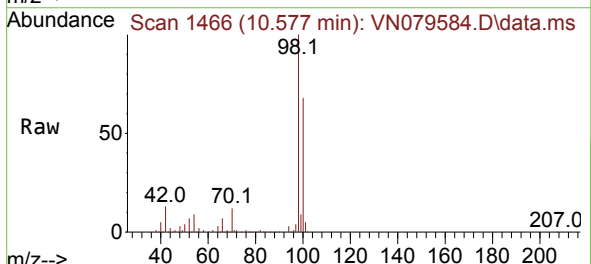
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MSVOA_N
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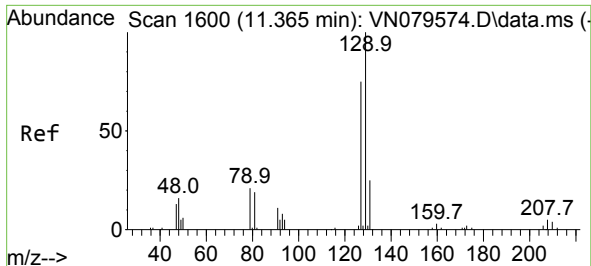
Tgt Ion: 43 Resp: 1482
Ion Ratio Lower Upper
43 100
61 0.0 20.3 30.5#



#50
1,1,2-Trichloroethane
Concen: 2.596 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

Tgt Ion: 97 Resp: 7678
Ion Ratio Lower Upper
97 100
83 6.8 68.2 102.4#
85 0.0 42.9 64.3#
99 235.3 44.8 67.2#

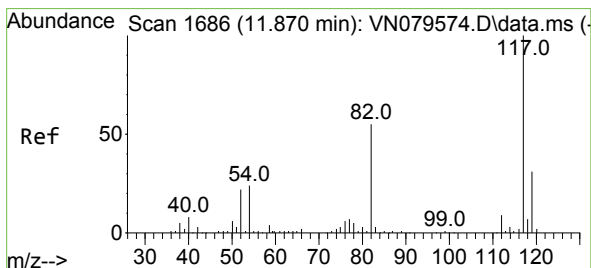
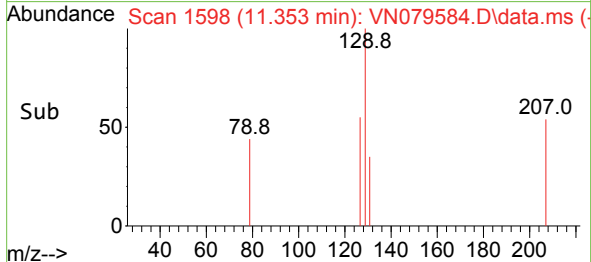
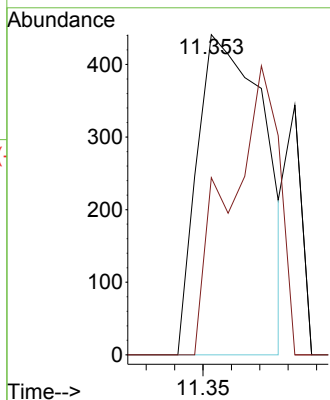
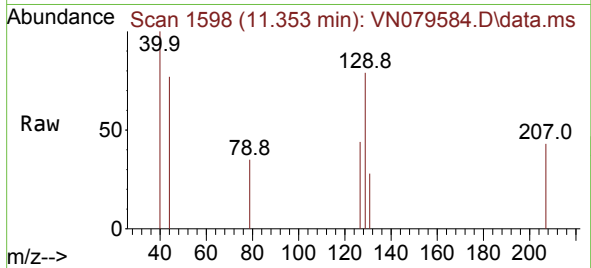




#53
Dibromochloromethane
Concen: 0.241 ug/l
RT: 11.353 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

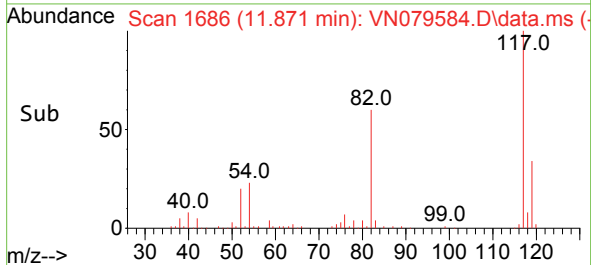
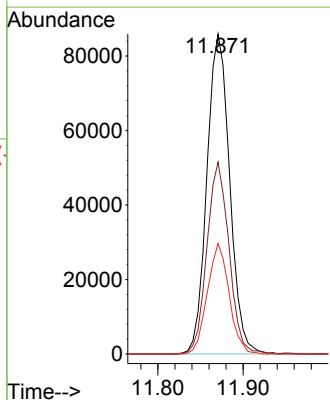
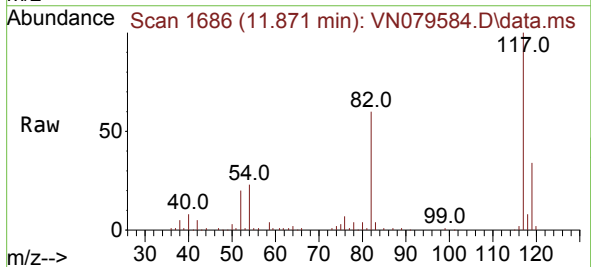
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ClientSampleId :

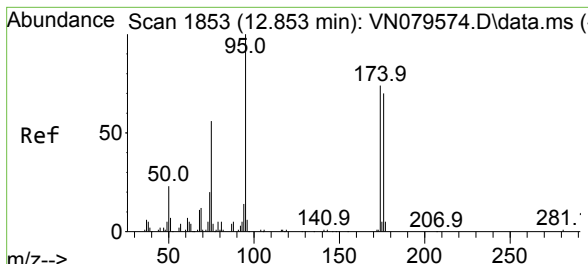
Tgt Ion:129 Resp: 728
Ion Ratio Lower Upper
129 100
127 21.3 38.8 116.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079584.D
Acq: 17 Oct 2023 16:21

Tgt Ion:117 Resp: 159692
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.2
119 33.0 25.2 37.8

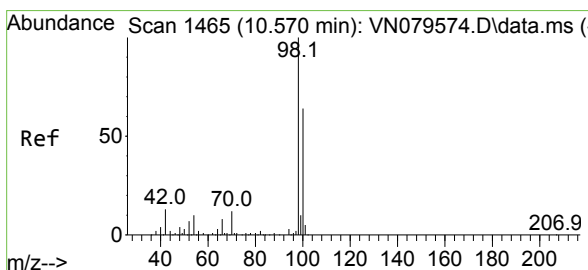
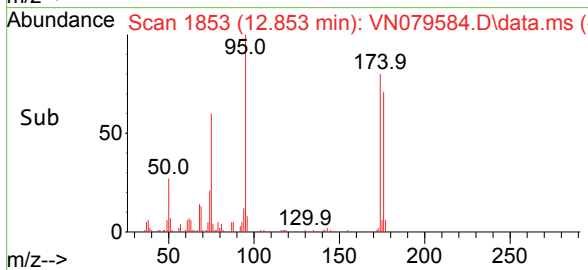
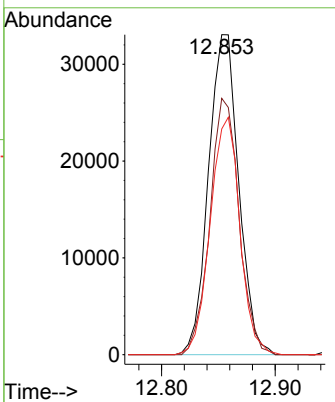
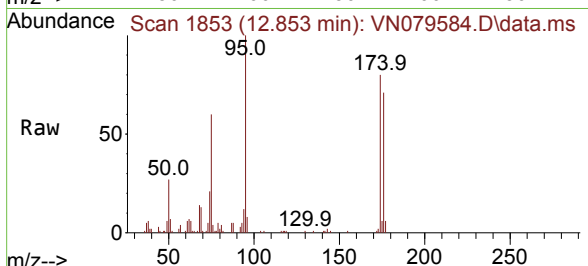




#60
 4-Bromofluorobenzene
 Concen: 20.971 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079584.D
 Acq: 17 Oct 2023 16:21

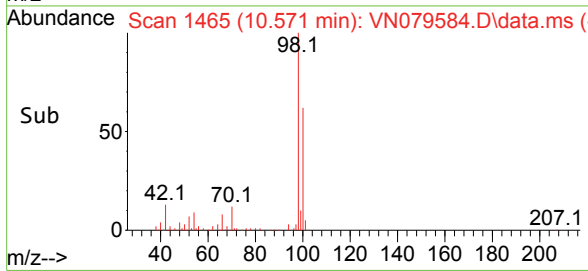
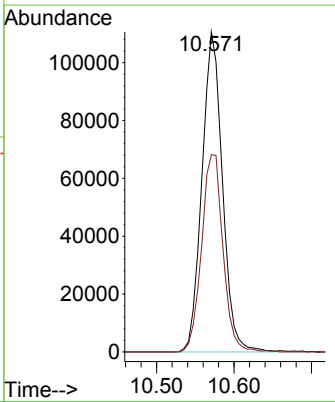
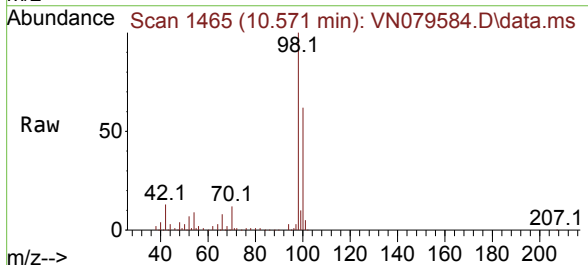
Instrument :
 MSVOA_N
 ClientSampleId :

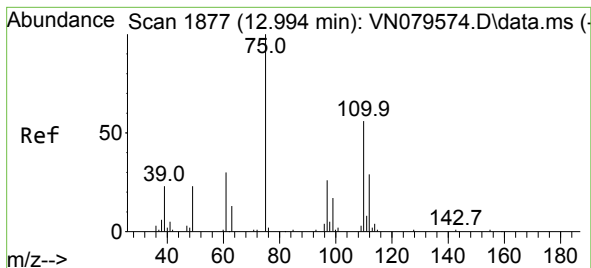
Tgt Ion:	95	Resp:	61242
Ion Ratio	Lower	Upper	
95	100		
174	77.2	60.5	90.7
176	72.6	57.2	85.8



#63
 Toluene-d8
 Concen: 29.666 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. 0.000 min
 Lab File: VN079584.D
 Acq: 17 Oct 2023 16:21

Tgt Ion:	98	Resp:	203004
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.6	77.4





#72

1,2,3-Trichloropropane

Concen: 9.232 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079584.D

Acq: 17 Oct 2023 16:21

Instrument :

MSVOA_N

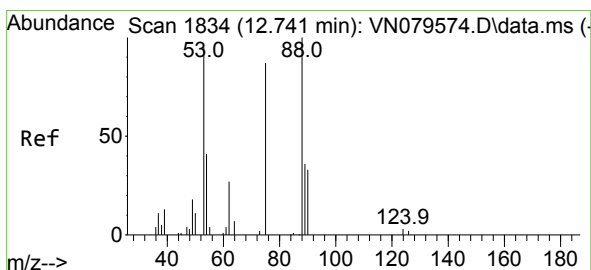
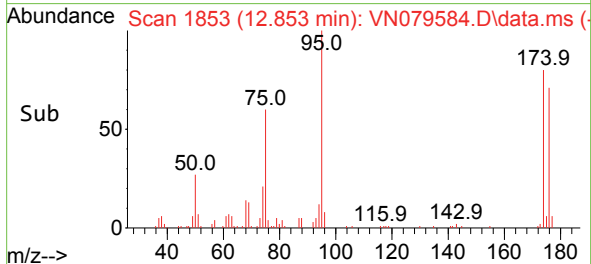
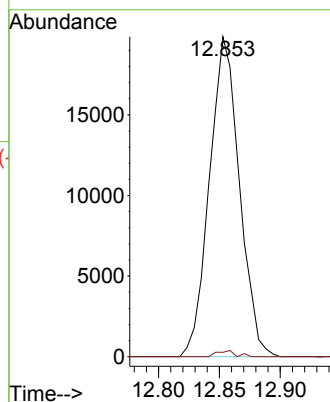
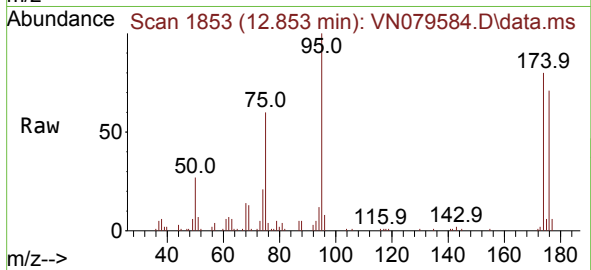
ClientSampleId :

Tgt Ion: 75 Resp: 34016

Ion Ratio Lower Upper

75 100

77 1.0 0.0 338.2



#77

t-1,4-Dichloro-2-butene

Concen: 30.250 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079584.D

Acq: 17 Oct 2023 16:21

Tgt Ion: 75 Resp: 34016

Ion Ratio Lower Upper

75 100

53 0.0 53.0 159.1#

89 0.0 22.6 67.7#

