

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079677.D
 Acq On : 25 Oct 2023 13:14
 Operator : JC\MD
 Sample : 05033-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:35:46 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)

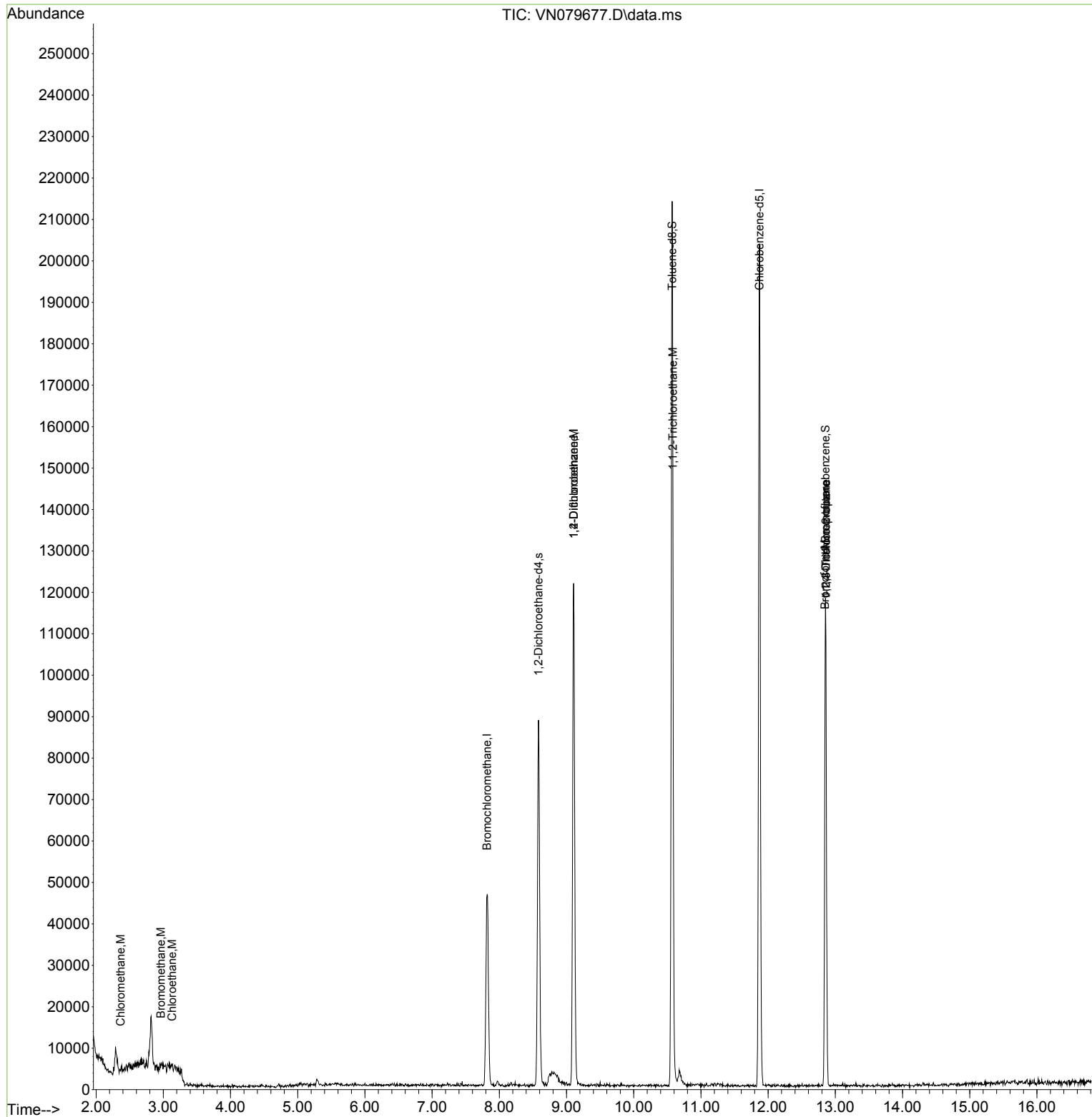
Internal Standards						
1) Bromochloromethane	7.818	128	15737	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	102122	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	118601	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	70243	31.394	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.633%
60) 4-Bromofluorobenzene	12.853	95	40593	18.716	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	62.400%#
63) Toluene-d8	10.571	98	145736	28.676	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.600%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	698	0.236	ug/l #	87
5) Bromomethane	2.965	94	852	0.430	ug/l	85
6) Chloroethane	3.130	64	1130	0.503	ug/l #	46
36) 1,2-Dichloroethane	9.106	62	3891	1.202	ug/l #	75
50) 1,1,2-Trichloroethane	10.583	97	5426	2.491	ug/l #	1
56) Bromoform	12.847	173	370	0.251	ug/l #	37
72) 1,2,3-Trichloropropane	12.859	75	22660	8.281	ug/l	1
77) t-1,4-Dichloro-2-butene	12.859	75	22660	27.132	ug/l #	7

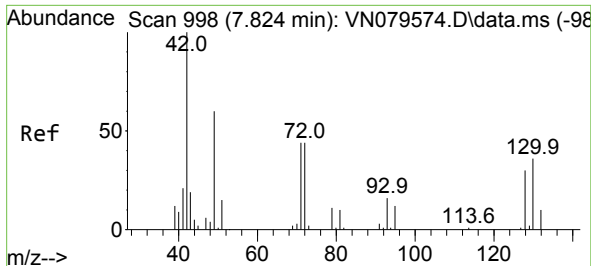
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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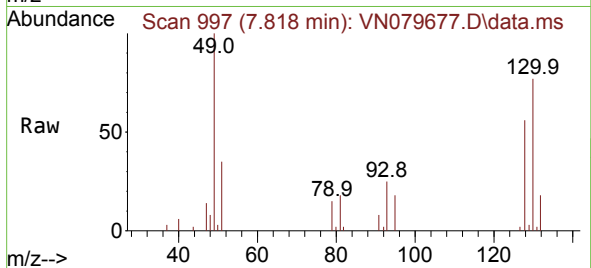
Quant Time: Oct 26 01:35:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
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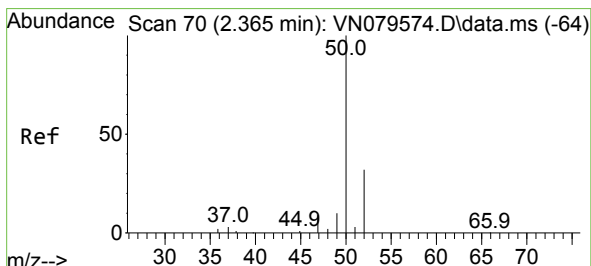
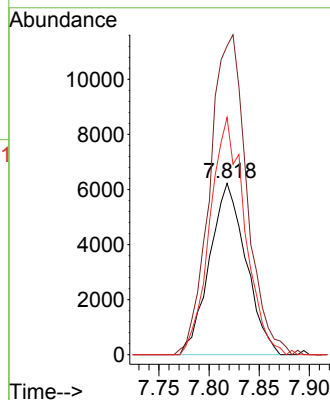
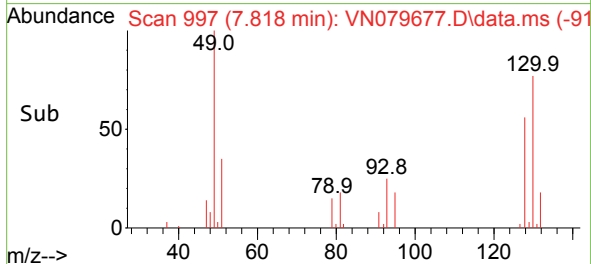


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

Instrument :
MSVOA_N
ClientSampleId :

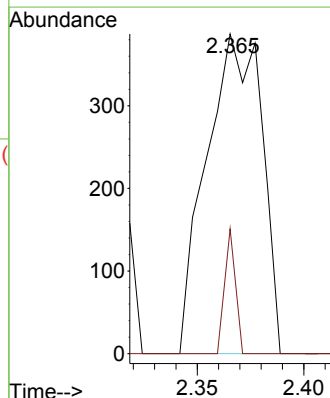
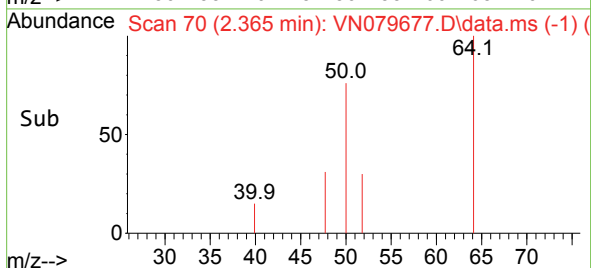
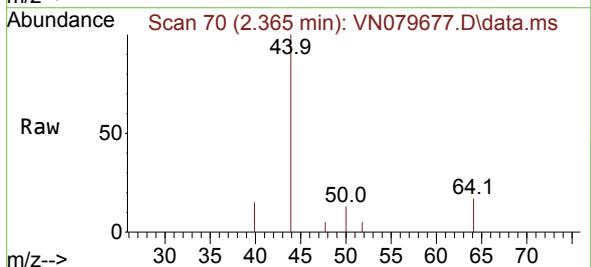


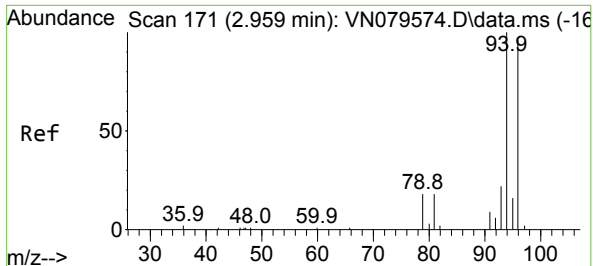
Tgt Ion:128 Resp: 15737
Ion Ratio Lower Upper
128 100
49 189.5 0.0 468.5
130 132.9 0.0 320.7



#3
Chloromethane
Concen: 0.236 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

Tgt Ion: 50 Resp: 698
Ion Ratio Lower Upper
50 100
52 39.0 25.6 38.4#

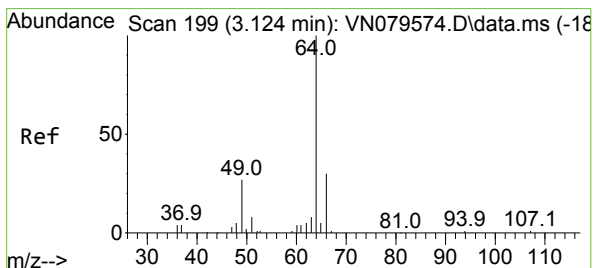
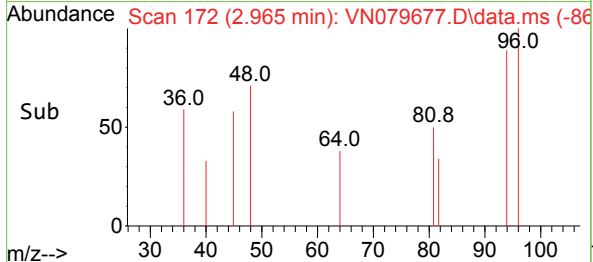
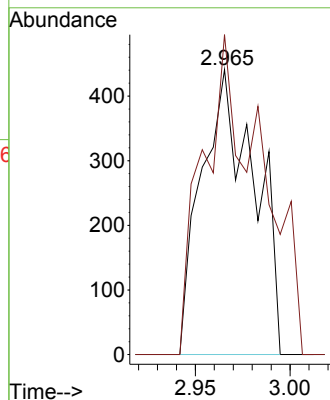
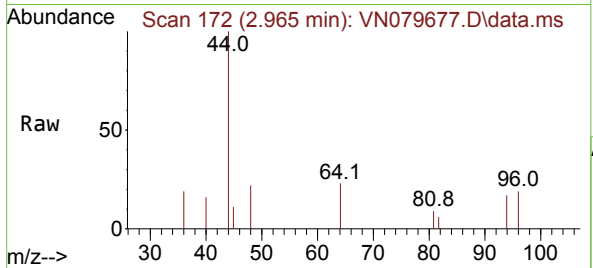




#5
Bromomethane
Concen: 0.430 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

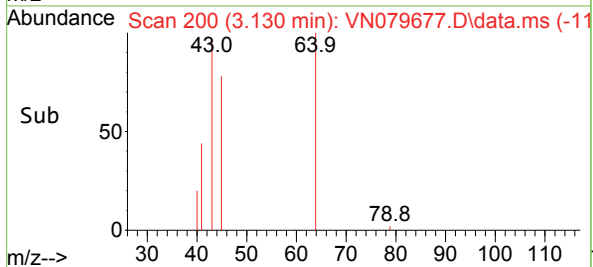
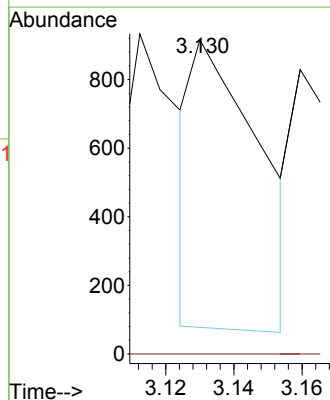
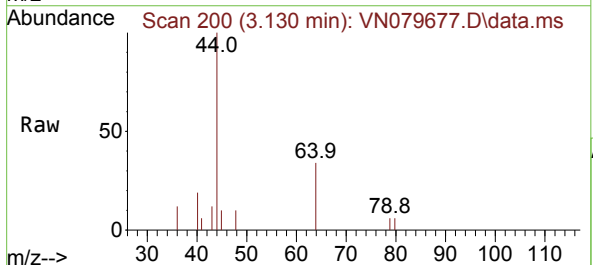
Instrument :
MSVOA_N
ClientSampleId :

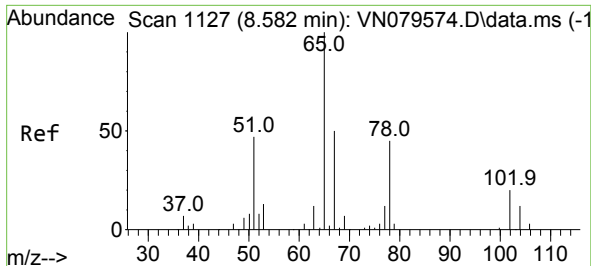
Tgt Ion: 94 Resp: 852
Ion Ratio Lower Upper
94 100
96 112.2 77.8 116.6



#6
Chloroethane
Concen: 0.503 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

Tgt Ion: 64 Resp: 1130
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





#27

1,2-Dichloroethane-d4

Concen: 31.394 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079677.D

Acq: 25 Oct 2023 13:14

Instrument :

MSVOA_N

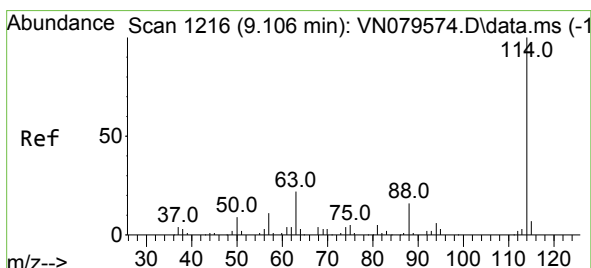
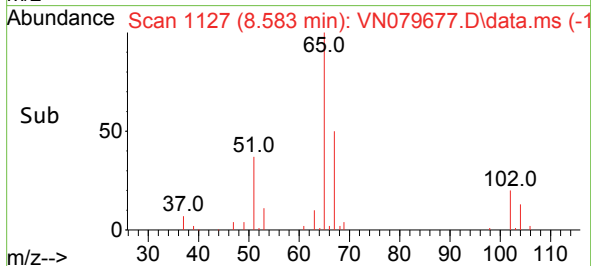
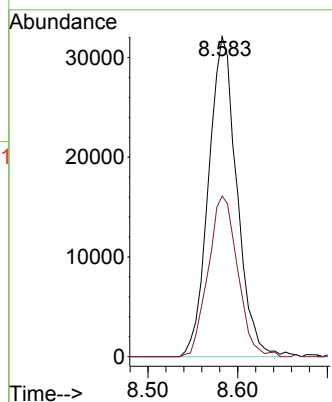
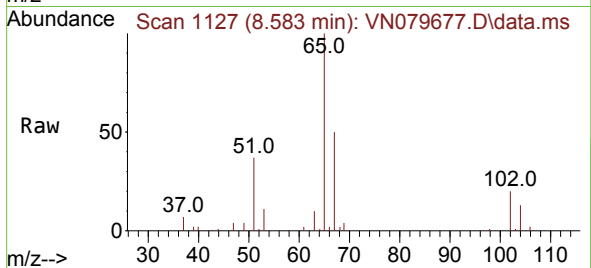
ClientSampleId :

Tgt Ion: 65 Resp: 70243

Ion Ratio Lower Upper

65 100

67 51.7 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: VN079677.D

Acq: 25 Oct 2023 13:14

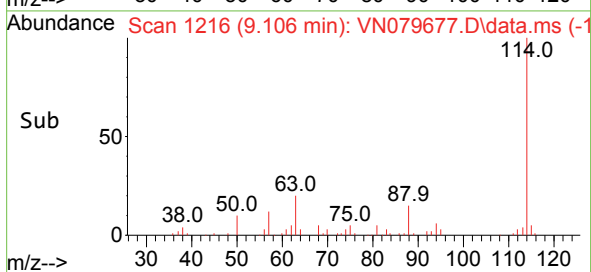
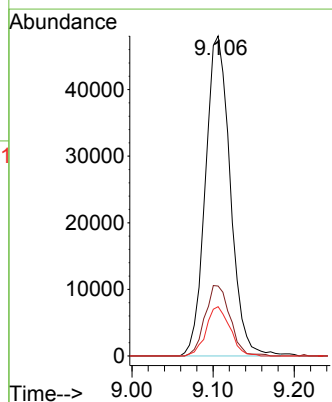
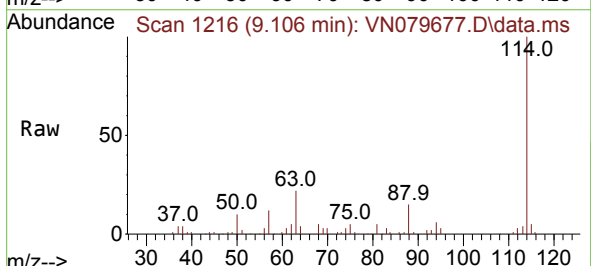
Tgt Ion: 114 Resp: 102122

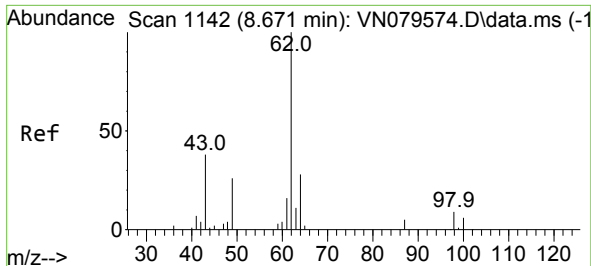
Ion Ratio Lower Upper

114 100

63 21.9 18.1 27.1

88 14.8 12.2 18.2

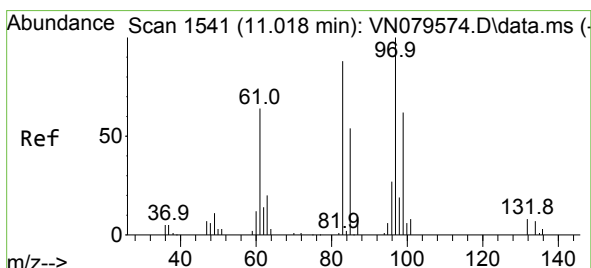
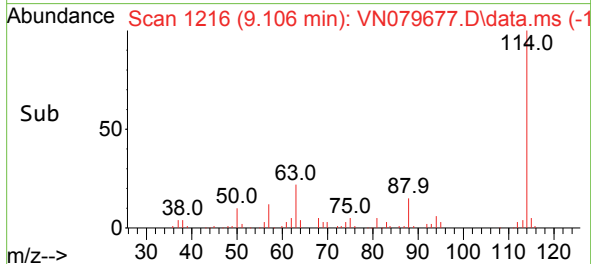
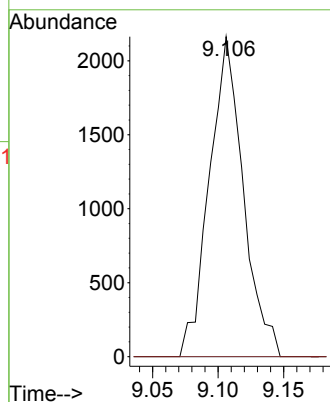
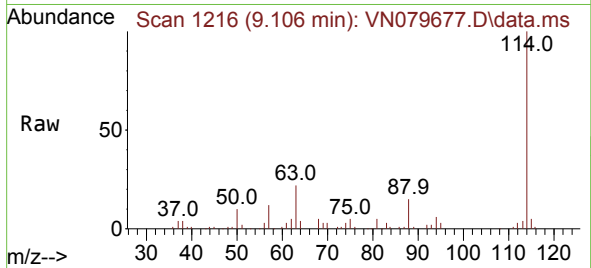




#36
1,2-Dichloroethane
Concen: 1.202 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.435 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

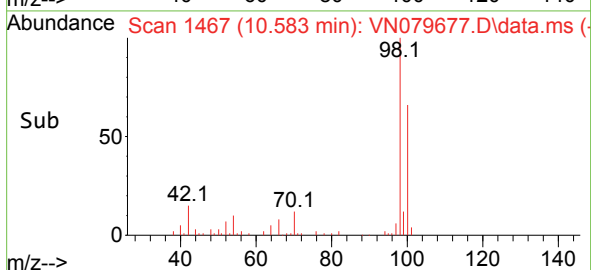
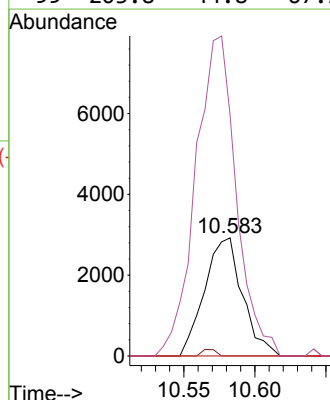
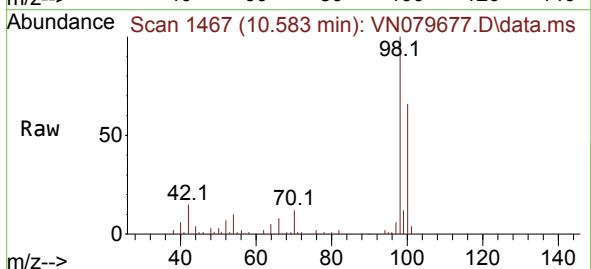
Instrument :
MSVOA_N
ClientSampleId :

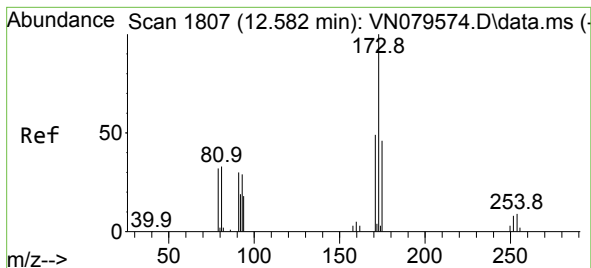
Tgt Ion: 62 Resp: 3891
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#50
1,1,2-Trichloroethane
Concen: 2.491 ug/l
RT: 10.583 min Scan# 1467
Delta R.T. -0.435 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

Tgt Ion: 97 Resp: 5426
Ion Ratio Lower Upper
97 100
83 0.0 68.2 102.4#
85 0.0 42.9 64.3#
99 203.8 44.8 67.2#





#56

Bromoform

Concen: 0.251 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.265 min

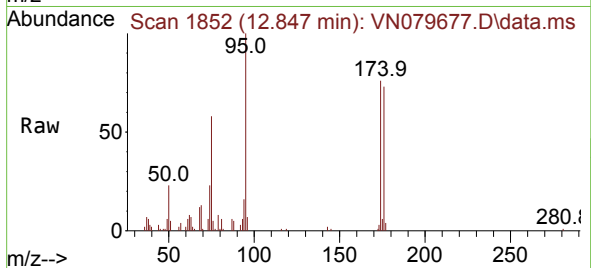
Lab File: VN079677.D

Acq: 25 Oct 2023 13:14

Instrument :

MSVOA_N

ClientSampleId :



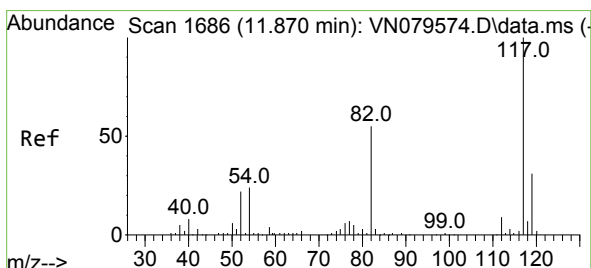
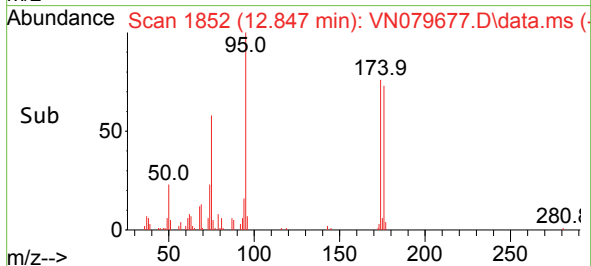
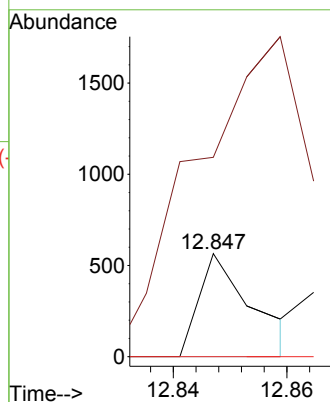
Tgt Ion:173 Resp: 370

Ion Ratio Lower Upper

173 100

175 0.0 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: VN079677.D

Acq: 25 Oct 2023 13:14

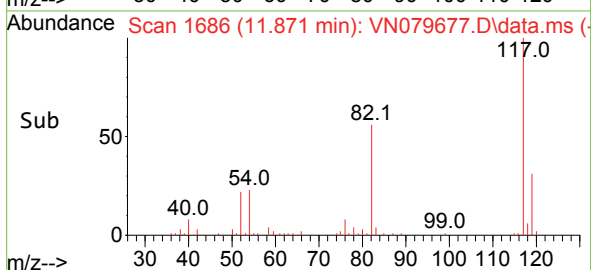
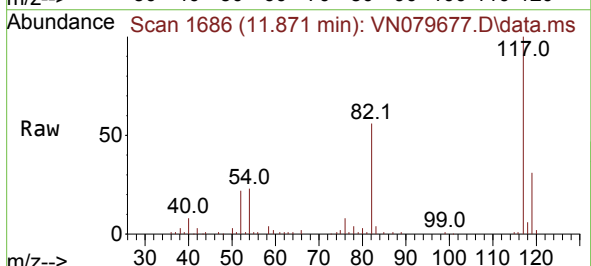
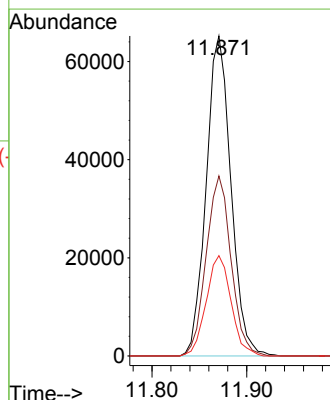
Tgt Ion:117 Resp: 118601

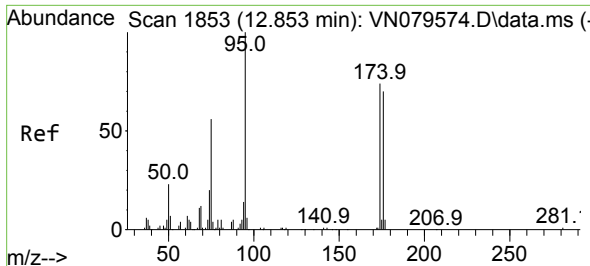
Ion Ratio Lower Upper

117 100

82 56.6 46.2 69.2

119 31.5 25.2 37.8

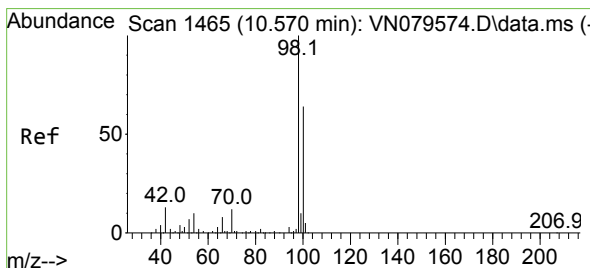
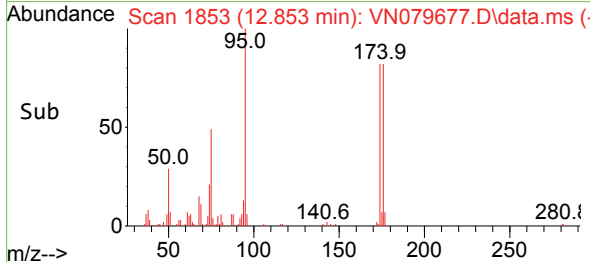
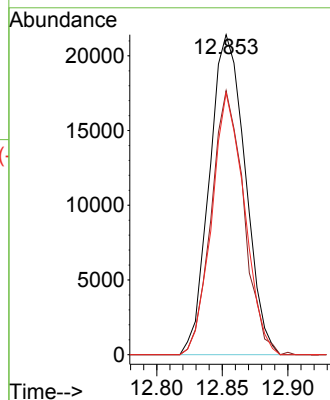
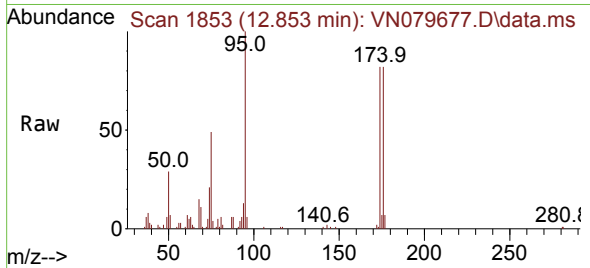




#60
4-Bromofluorobenzene
Concen: 18.716 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

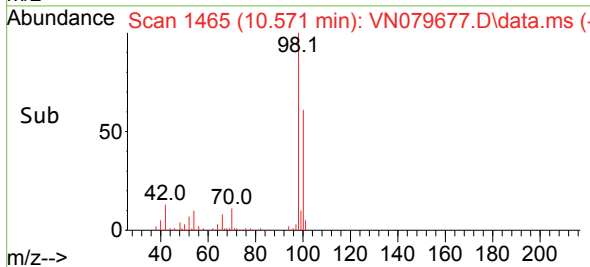
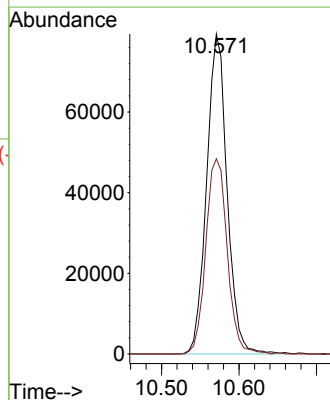
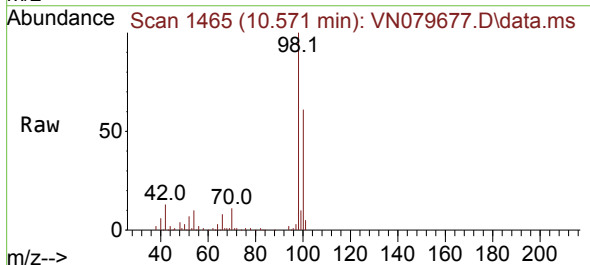
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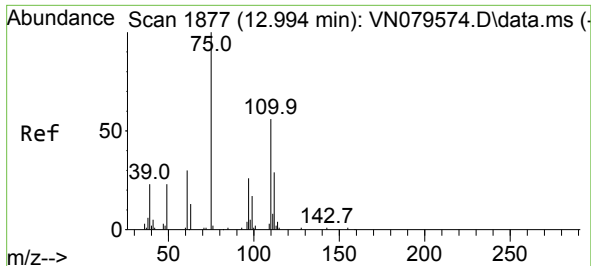
Tgt Ion: 95 Resp: 40593
Ion Ratio Lower Upper
95 100
174 75.0 60.5 90.7
176 74.6 57.2 85.8



#63
Toluene-d8
Concen: 28.676 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

Tgt Ion: 98 Resp: 145736
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

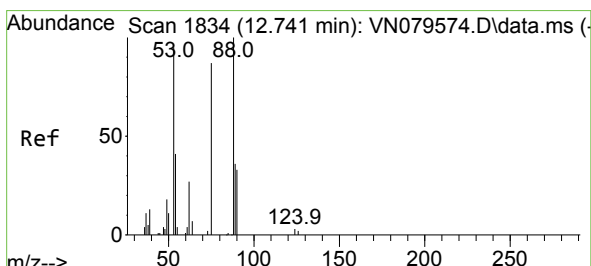
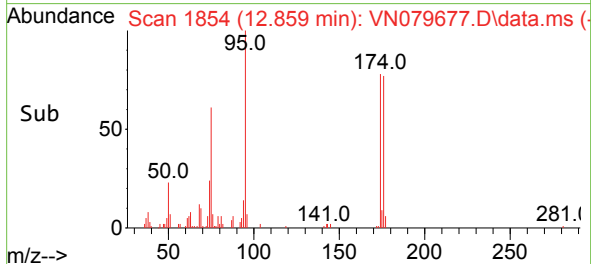
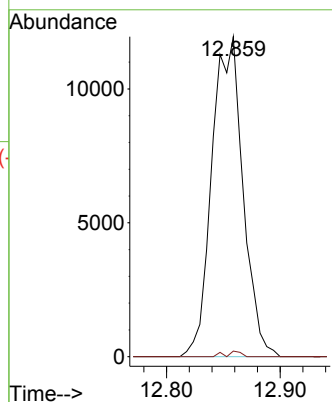
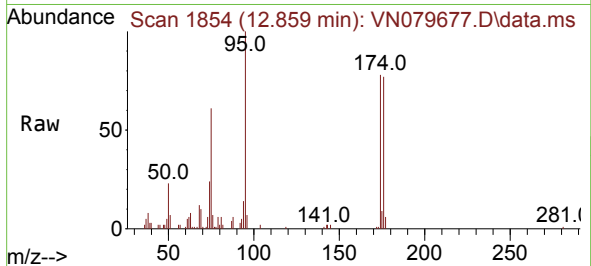




#72
1,2,3-Trichloropropane
Concen: 8.281 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. -0.135 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 22660
Ion Ratio Lower Upper
75 100
77 0.6 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 27.132 ug/l
RT: 12.859 min Scan# 1854
Delta R.T. 0.118 min
Lab File: VN079677.D
Acq: 25 Oct 2023 13:14

Tgt Ion: 75 Resp: 22660
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

