

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101823\
 Data File : VN079601.D
 Acq On : 18 Oct 2023 15:25
 Operator : JC\MD
 Sample : 04943-02 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:15:40 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)

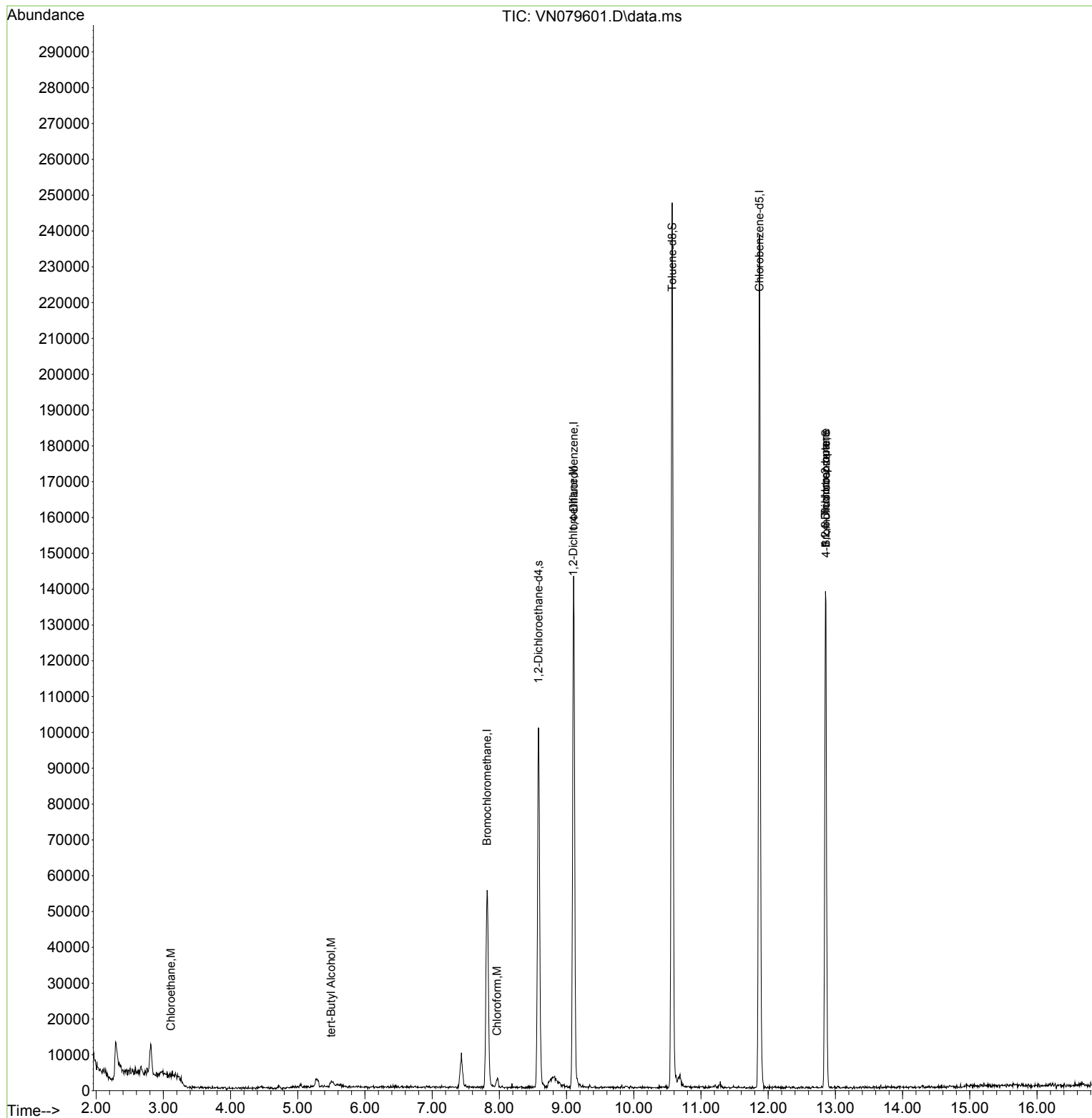
Internal Standards						
1) Bromochloromethane	7.818	128	19372	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	119778	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	139339	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	80733	29.312	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.700%
60) 4-Bromofluorobenzene	12.859	95	50259	19.724	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	65.733%
63) Toluene-d8	10.570	98	174216	29.178	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.267%
Target Compounds						
					Qvalue	
6) Chloroethane	3.112	64	933	0.337	ug/l #	46
23) tert-Butyl Alcohol	5.494	59	272	0.540	ug/l #	100
25) Chloroform	7.965	83	2756	0.470	ug/l #	82
36) 1,2-Dichloroethane	9.100	62	5158	1.358	ug/l #	75
72) 1,2,3-Trichloropropane	12.853	75	27274	8.484	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	27274	27.797	ug/l #	7

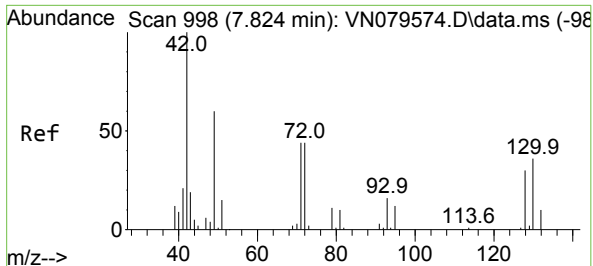
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

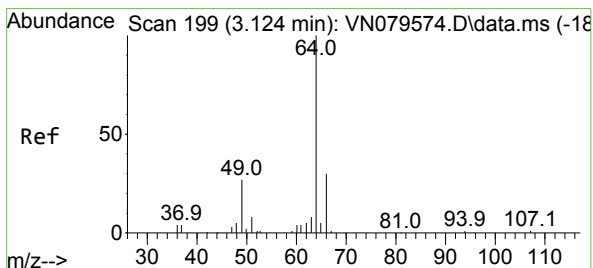
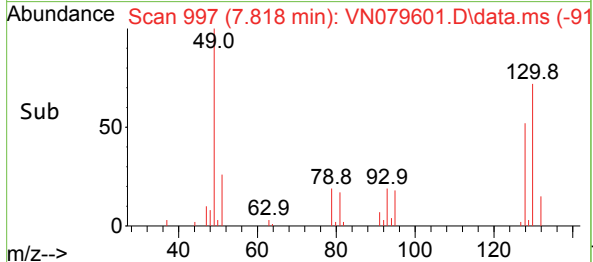
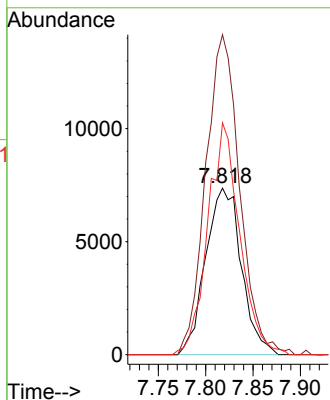
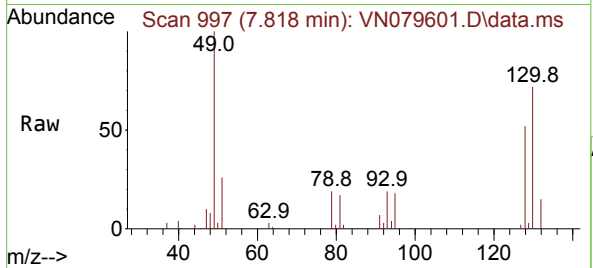




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079601.D
Acq: 18 Oct 2023 15:25

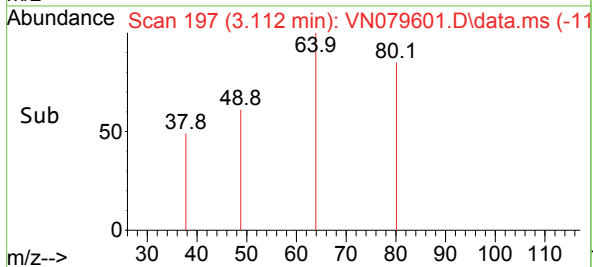
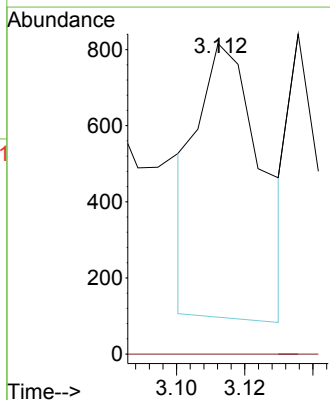
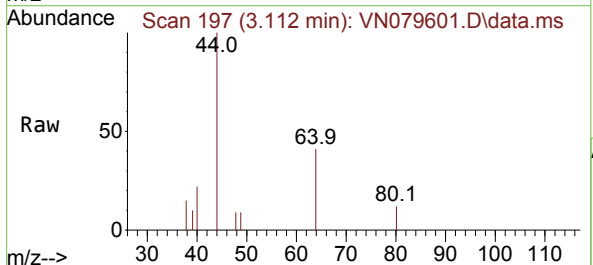
Instrument :
MSVOA_N
ClientSampleId :

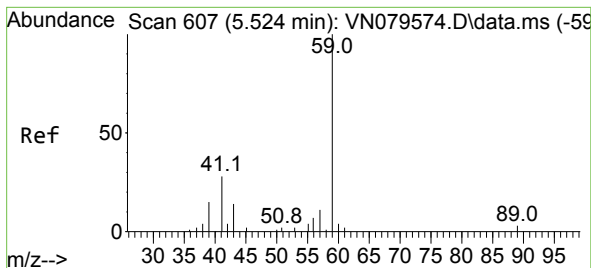
Tgt Ion:128 Resp: 19372
Ion Ratio Lower Upper
128 100
49 181.7 0.0 468.5
130 124.1 0.0 320.7



#6
Chloroethane
Concen: 0.337 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN079601.D
Acq: 18 Oct 2023 15:25

Tgt Ion: 64 Resp: 933
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





#23

tert-Butyl Alcohol

Concen: 0.540 ug/l

RT: 5.494 min Scan# 607

Delta R.T. -0.029 min

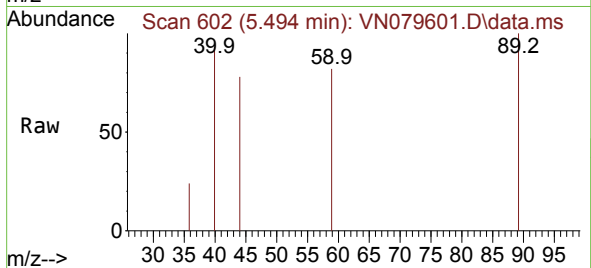
Lab File: VN079601.D

Acq: 18 Oct 2023 15:25

Instrument :

MSVOA_N

ClientSampleId :

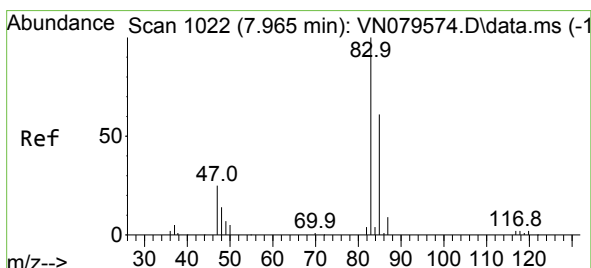
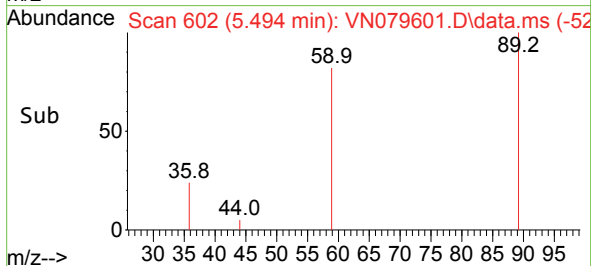
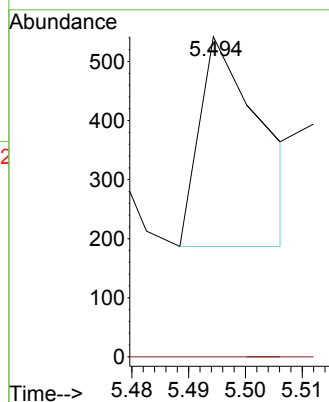


Tgt Ion: 59 Resp: 272

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 0.470 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN079601.D

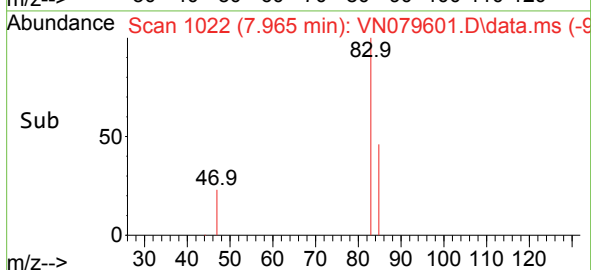
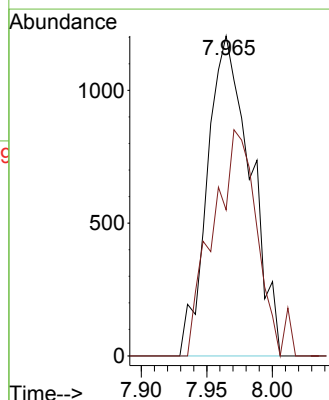
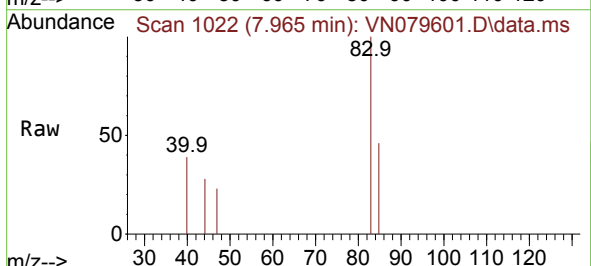
Acq: 18 Oct 2023 15:25

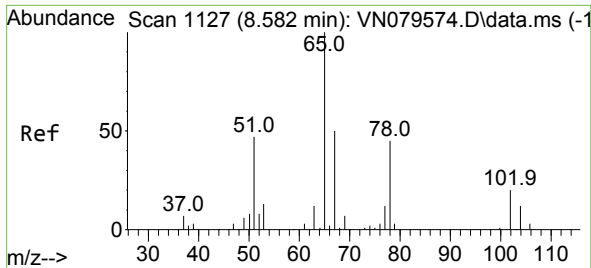
Tgt Ion: 83 Resp: 2756

Ion Ratio Lower Upper

83 100

85 45.6 47.4 71.2#

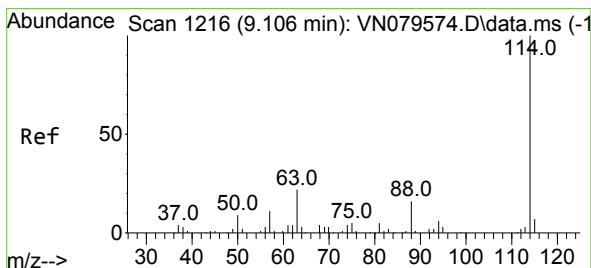
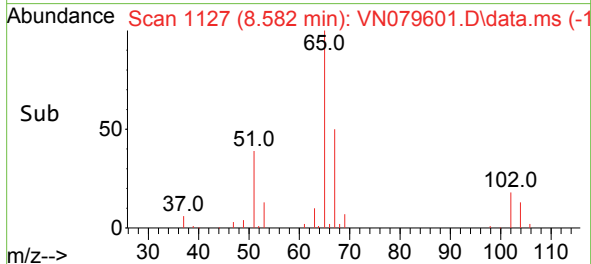
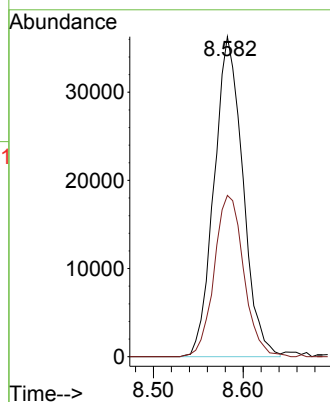
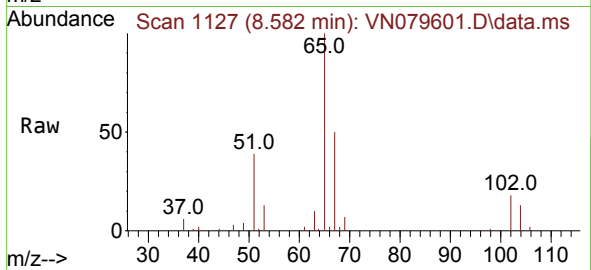




#27
1,2-Dichloroethane-d4
Concen: 29.312 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079601.D
Acq: 18 Oct 2023 15:25

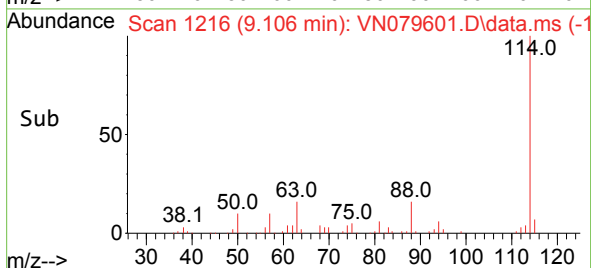
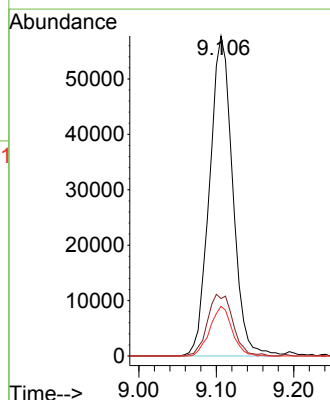
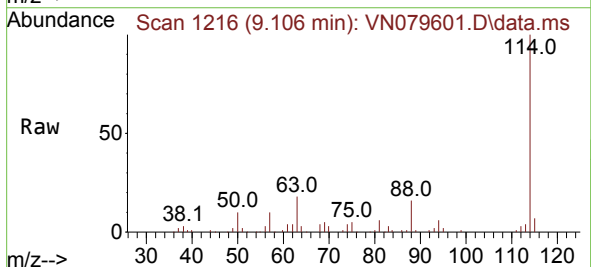
Instrument :
MSVOA_N
ClientSampleId :

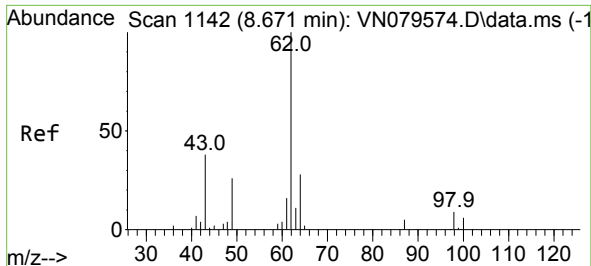
Tgt Ion: 65 Resp: 80733
Ion Ratio Lower Upper
65 100
67 51.8 42.1 63.1



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079601.D
Acq: 18 Oct 2023 15:25

Tgt Ion: 114 Resp: 119778
Ion Ratio Lower Upper
114 100
63 21.0 18.1 27.1
88 14.8 12.2 18.2





#36

1,2-Dichloroethane

Concen: 1.358 ug/l

RT: 9.100 min Scan# 1142

Delta R.T. 0.429 min

Lab File: VN079601.D

Acq: 18 Oct 2023 15:25

Instrument :

MSVOA_N

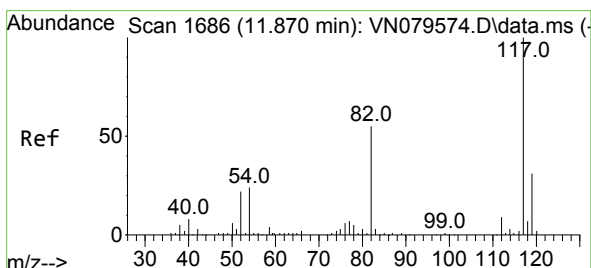
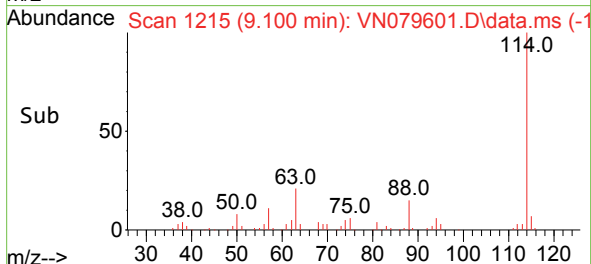
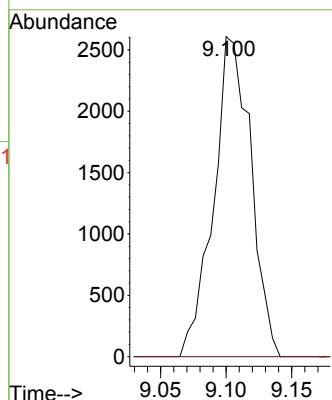
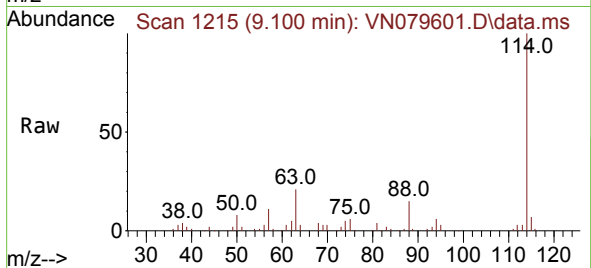
ClientSampleId :

Tgt Ion: 62 Resp: 5158

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN079601.D

Acq: 18 Oct 2023 15:25

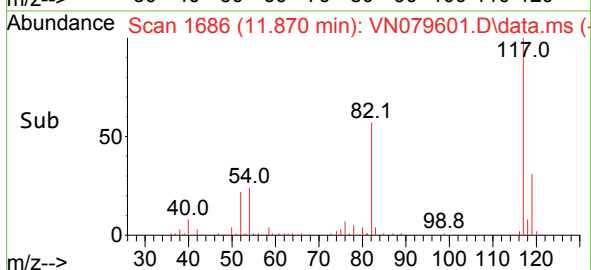
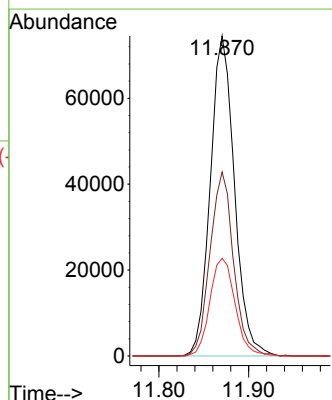
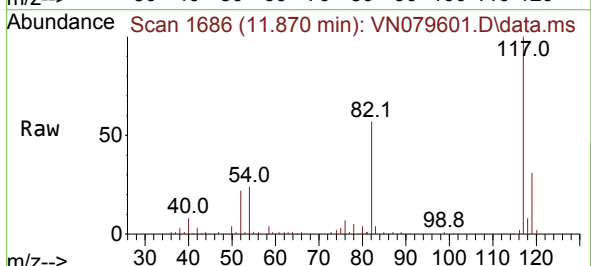
Tgt Ion: 117 Resp: 139339

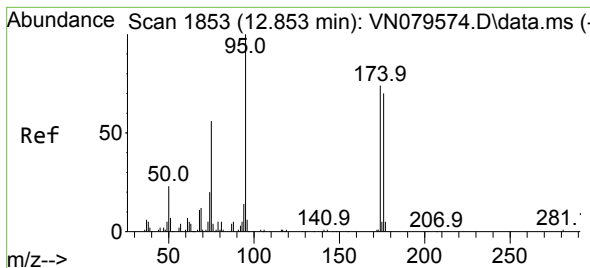
Ion Ratio Lower Upper

117 100

82 55.9 46.2 69.2

119 31.8 25.2 37.8

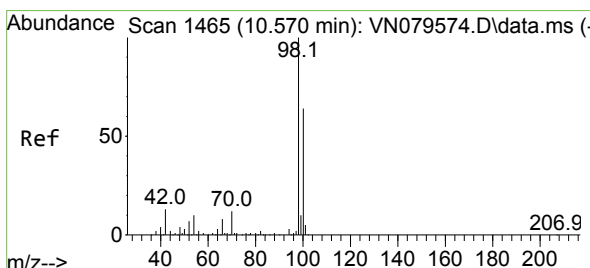
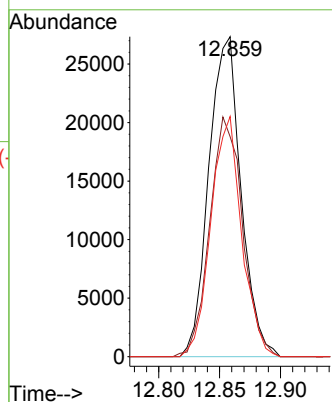
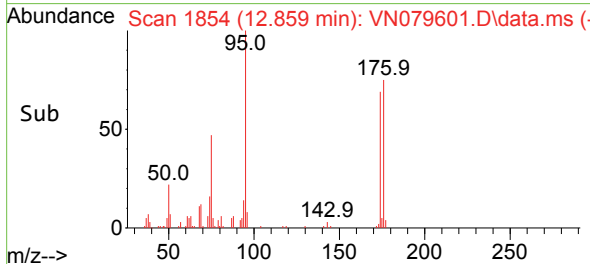
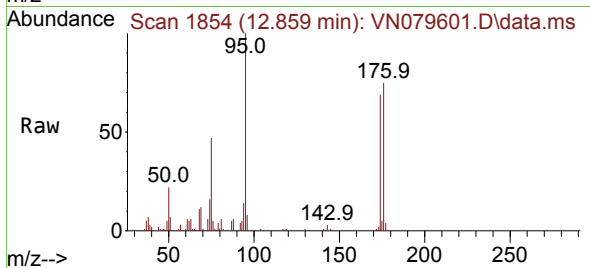




#60
4-Bromofluorobenzene
Concen: 19.724 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079601.D
Acq: 18 Oct 2023 15:25

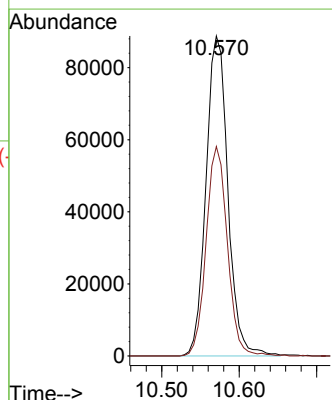
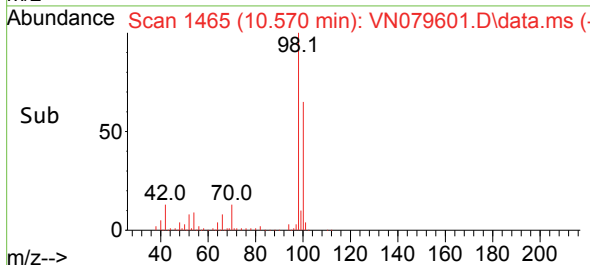
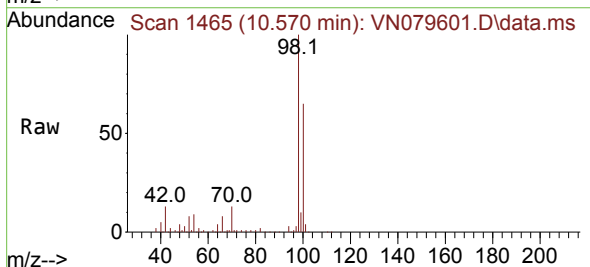
Instrument :
MSVOA_N
ClientSampleId :

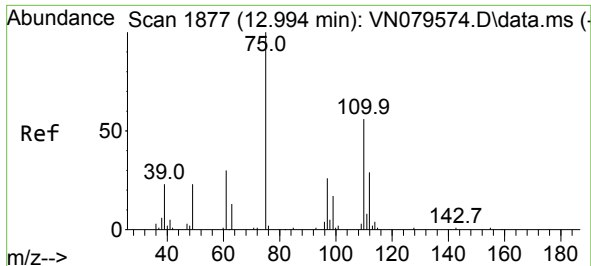
Tgt Ion: 95 Resp: 50259
Ion Ratio Lower Upper
95 100
174 76.3 60.5 90.7
176 71.6 57.2 85.8



#63
Toluene-d8
Concen: 29.178 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079601.D
Acq: 18 Oct 2023 15:25

Tgt Ion: 98 Resp: 174216
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

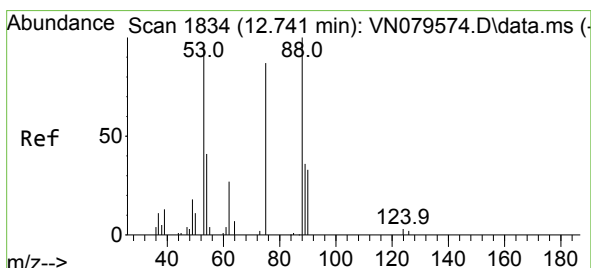
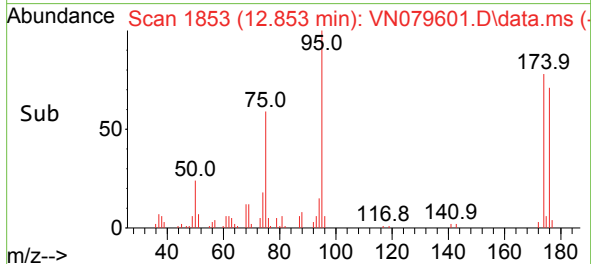
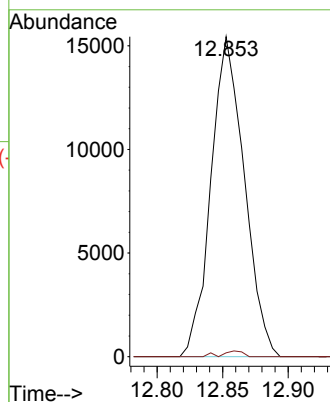
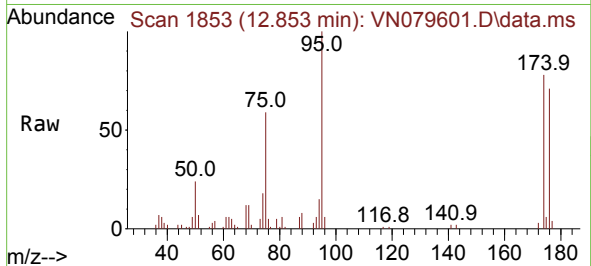




#72
1,2,3-Trichloropropane
Concen: 8.484 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079601.D
Acq: 18 Oct 2023 15:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 27274
Ion Ratio Lower Upper
75 100
77 0.9 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 27.797 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079601.D
Acq: 18 Oct 2023 15:25

Tgt Ion: 75 Resp: 27274
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

