

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079627.D
 Acq On : 20 Oct 2023 14:40
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:49:55 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)

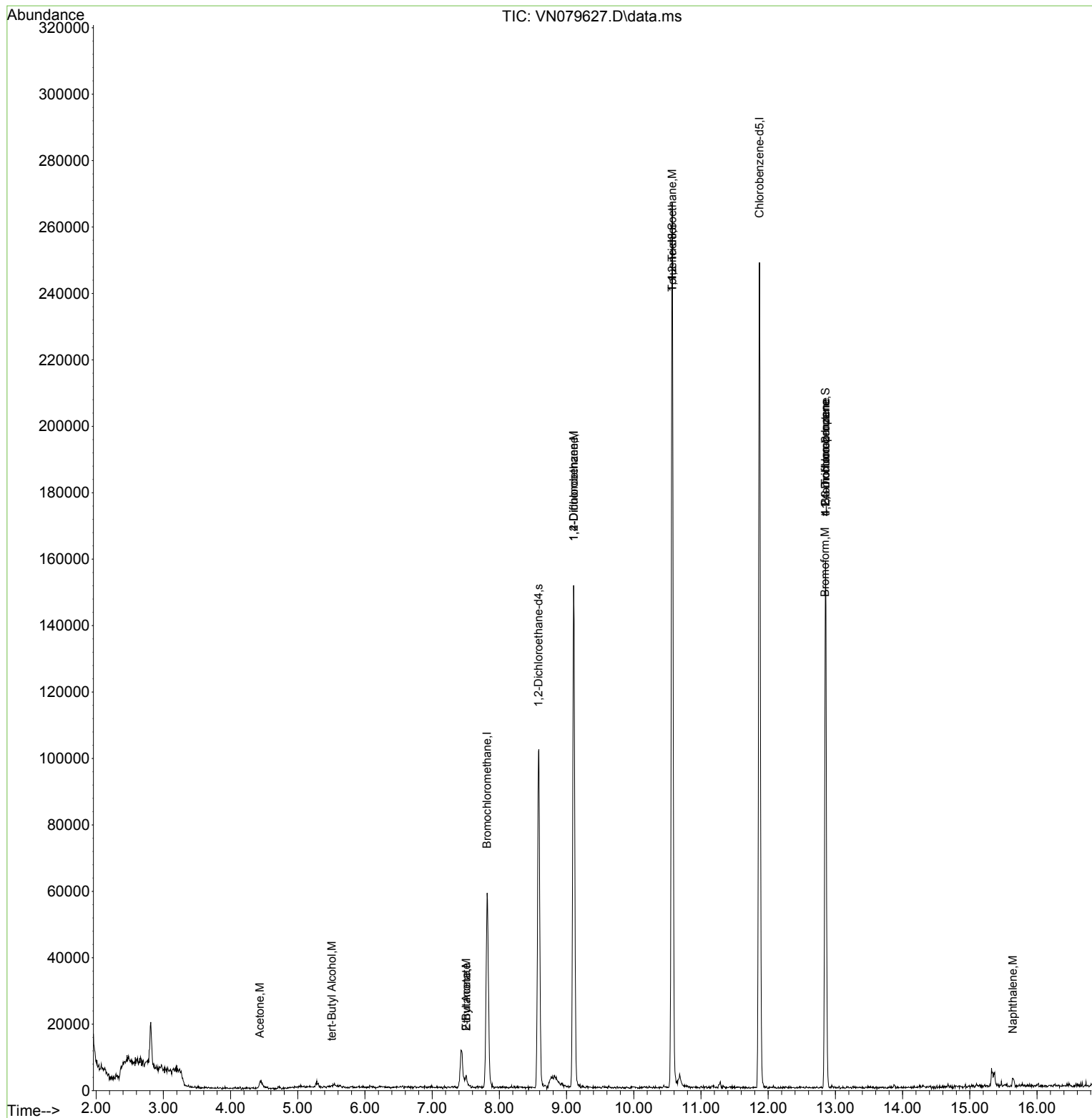
Internal Standards						
1) Bromochloromethane	7.818	128	19464	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	124237	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	145221	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	83378	30.129	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.433%
60) 4-Bromofluorobenzene	12.853	95	52711	19.848	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	66.167%
63) Toluene-d8	10.571	98	179276	28.809	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.033%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	371	0.774	ug/l #	53
23) tert-Butyl Alcohol	5.506	59	376	0.743	ug/l #	100
30) 2-Butanone	7.506	43	5569	3.060	ug/l #	86
36) 1,2-Dichloroethane	9.106	62	5076	1.289	ug/l #	75
43) Ethyl Acetate	7.506	43	5569	1.627	ug/l #	67
50) 1,1,2-Trichloroethane	10.571	97	6439	2.430	ug/l #	1
56) Bromoform	12.847	173	836	0.467	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	29333	8.755	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	29333	28.684	ug/l #	7
91) Naphthalene	15.641	128	3012	0.831	ug/l #	84

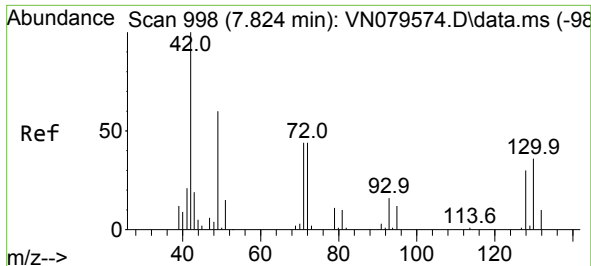
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
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MSVOA_N
ClientSampleId :

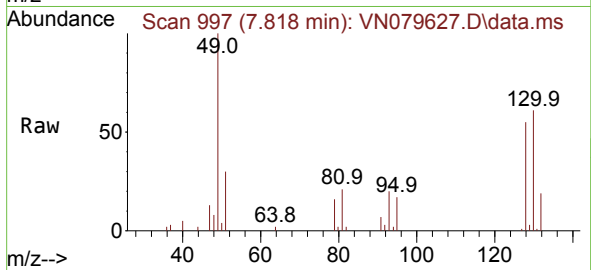
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



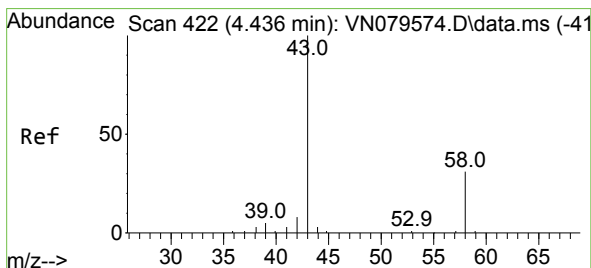
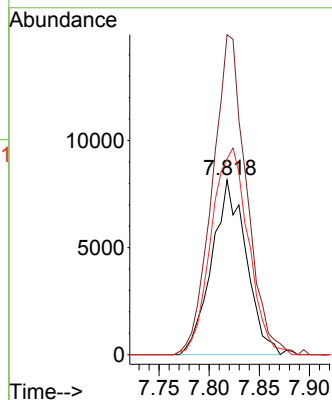
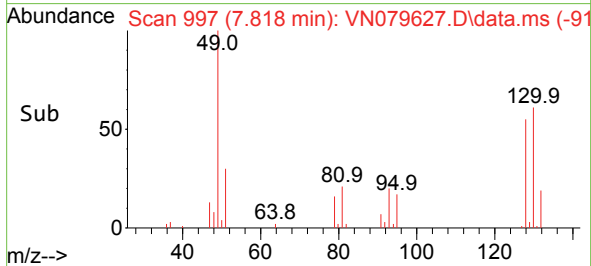


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

Instrument :
MSVOA_N
ClientSampleId :

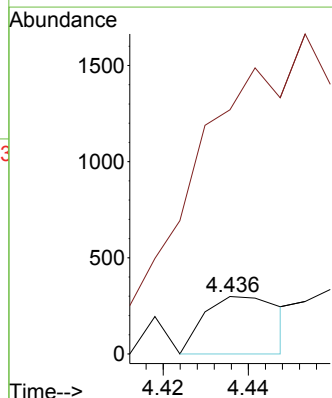
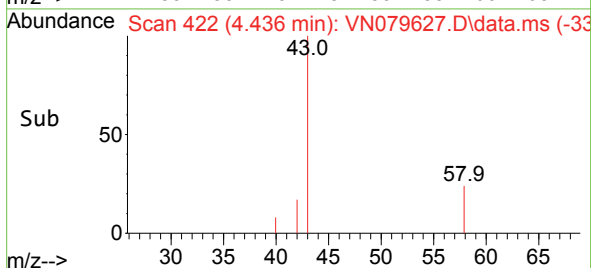
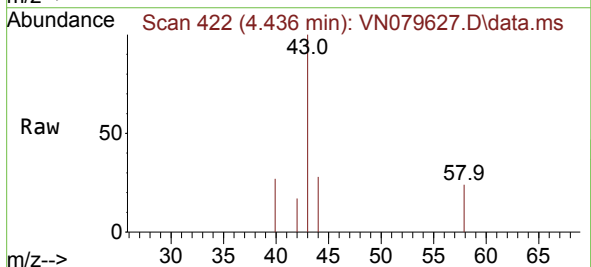


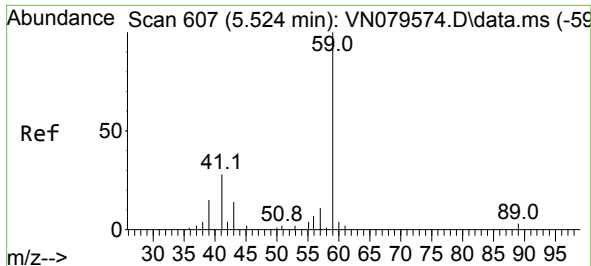
Tgt Ion:128 Resp: 19464
Ion Ratio Lower Upper
128 100
49 181.4 0.0 468.5
130 128.3 0.0 320.7



#15
Acetone
Concen: 0.774 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

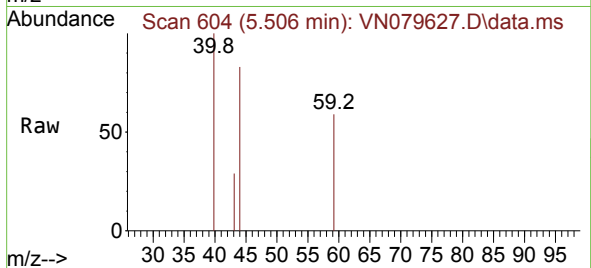
Tgt Ion: 58 Resp: 371
Ion Ratio Lower Upper
58 100
43 193.0 225.2 337.8#



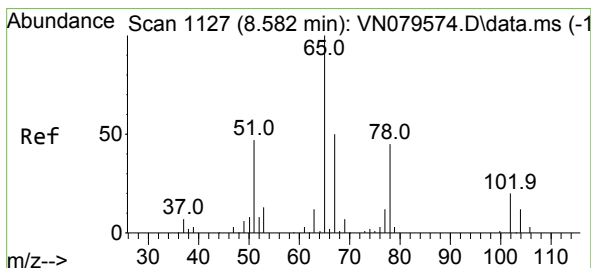
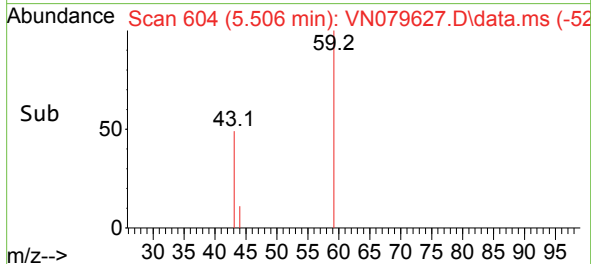
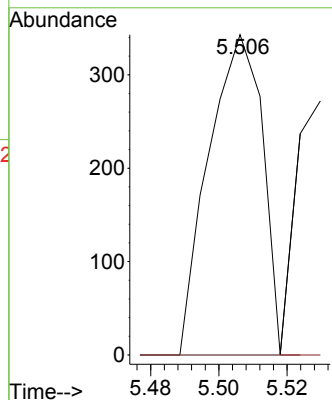


#23
tert-Butyl Alcohol
Concen: 0.743 ug/l
RT: 5.506 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

Instrument :
MSVOA_N
ClientSampleId :

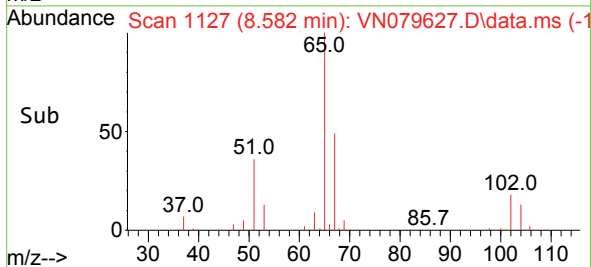
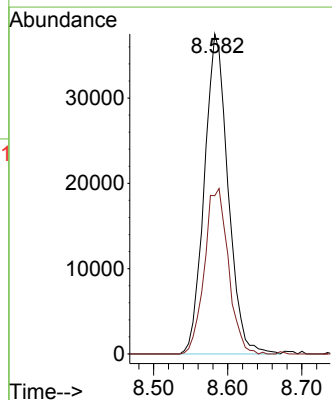
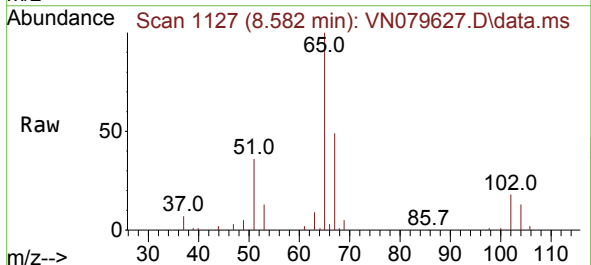


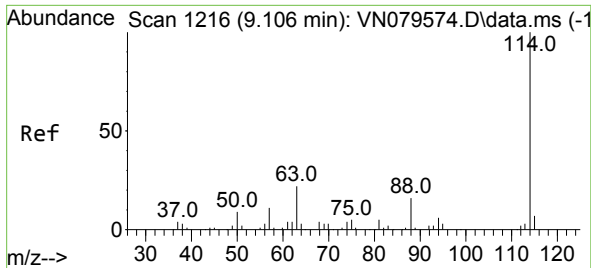
Tgt Ion: 59 Resp: 376
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.129 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

Tgt Ion: 65 Resp: 83378
Ion Ratio Lower Upper
65 100
67 52.1 42.1 63.1

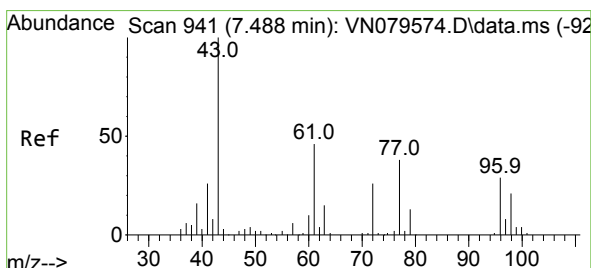
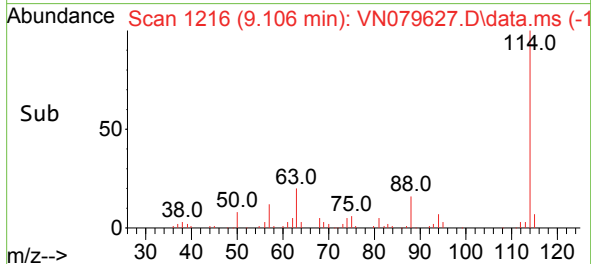
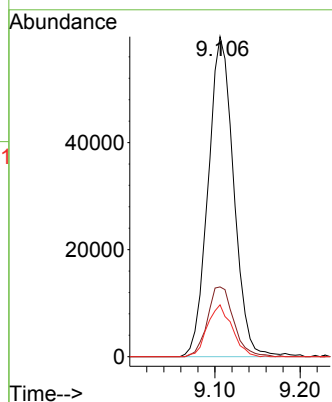
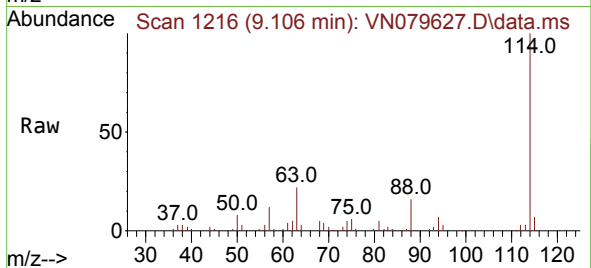




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

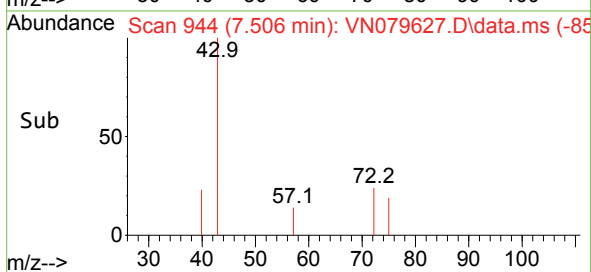
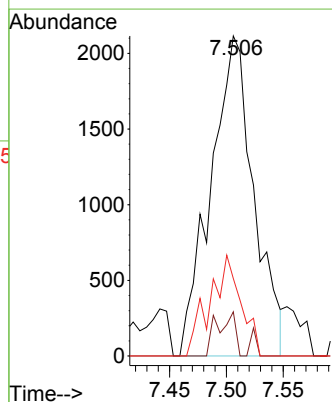
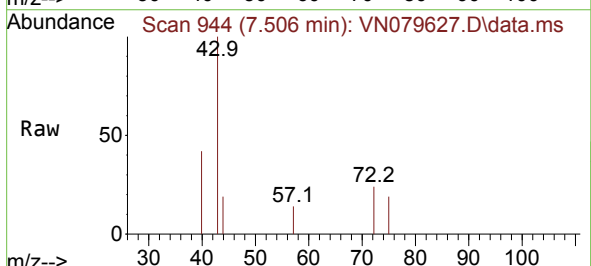
Instrument :
MSVOA_N
ClientSampleId :

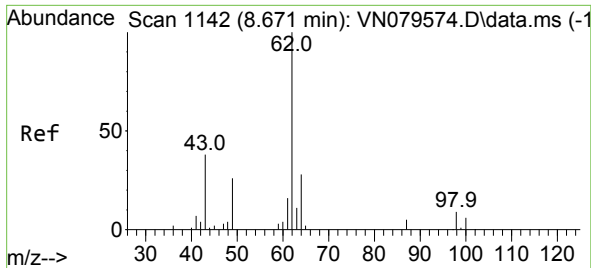
Tgt Ion:114 Resp: 124237
Ion Ratio Lower Upper
114 100
63 22.3 18.1 27.1
88 15.7 12.2 18.2



#30
2-Butanone
Concen: 3.060 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.018 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

Tgt Ion: 43 Resp: 5569
Ion Ratio Lower Upper
43 100
57 3.2 6.4 9.6#
72 18.4 20.7 31.1#

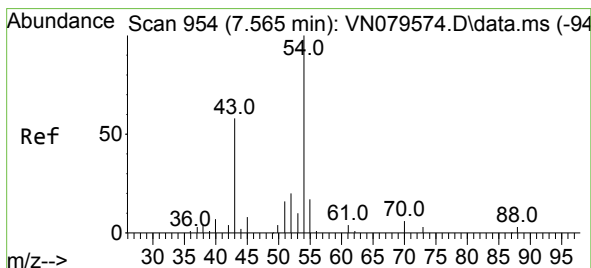
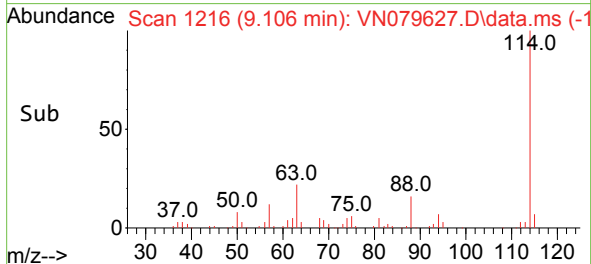
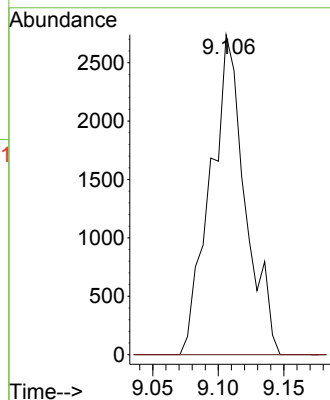
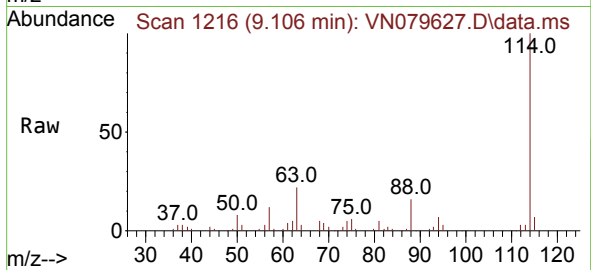




#36
1,2-Dichloroethane
Concen: 1.289 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.435 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

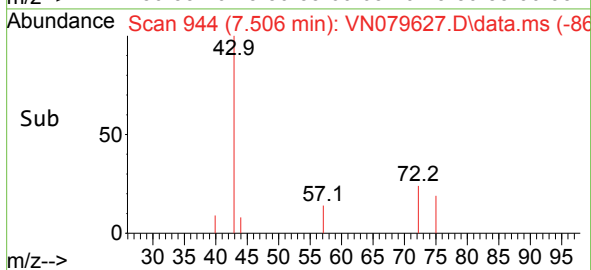
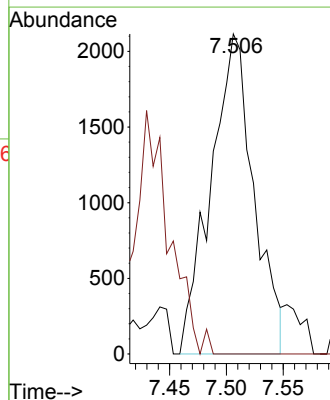
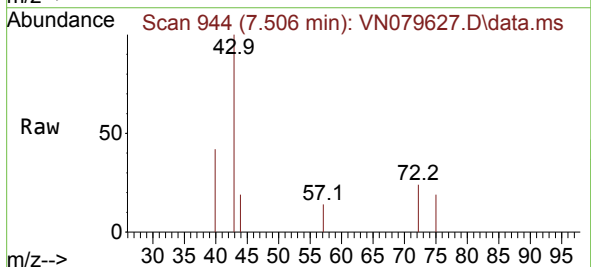
Instrument :
MSVOA_N
ClientSampleId :

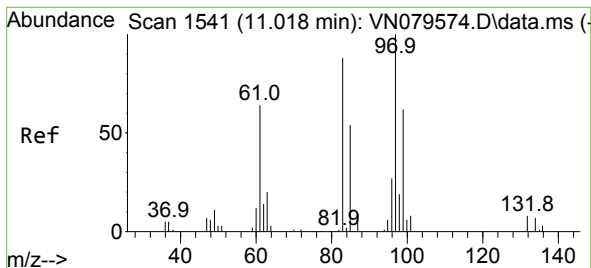
Tgt Ion: 62 Resp: 5076
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#43
Ethyl Acetate
Concen: 1.627 ug/l
RT: 7.506 min Scan# 944
Delta R.T. -0.059 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

Tgt Ion: 43 Resp: 5569
Ion Ratio Lower Upper
43 100
45 1.0 11.8 17.8#





#50

1,1,2-Trichloroethane

Concen: 2.430 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.447 min

Lab File: VN079627.D

Acq: 20 Oct 2023 14:40

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 6439

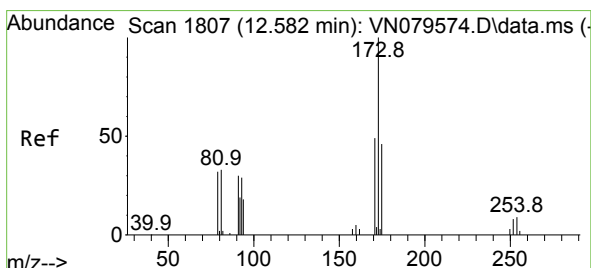
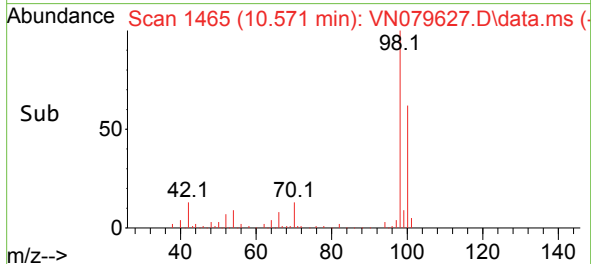
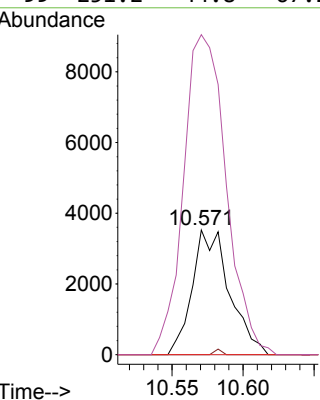
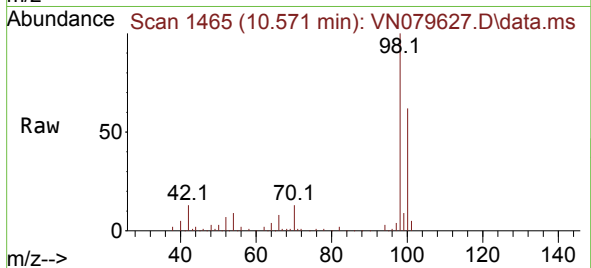
Ion Ratio Lower Upper

97 100

83 0.0 68.2 102.4#

85 0.0 42.9 64.3#

99 251.2 44.8 67.2#



#56

Bromoform

Concen: 0.467 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

Lab File: VN079627.D

Acq: 20 Oct 2023 14:40

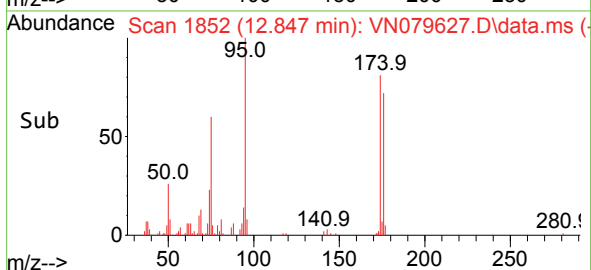
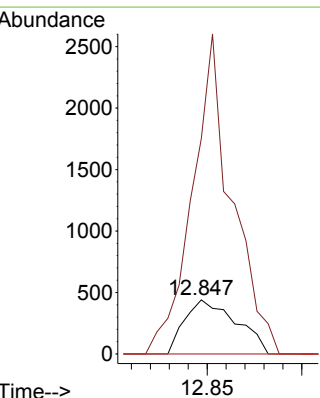
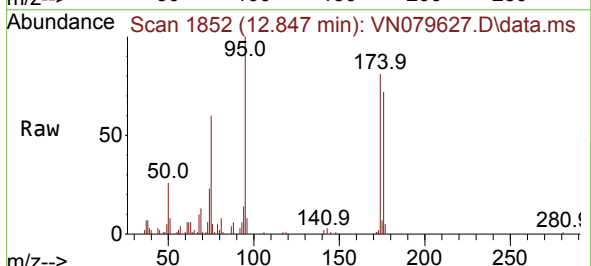
Tgt Ion:173 Resp: 836

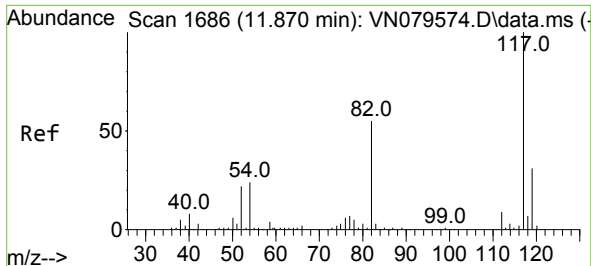
Ion Ratio Lower Upper

173 100

175 451.2 37.9 56.9#

254 0.0 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079627.D

Acq: 20 Oct 2023 14:40

Instrument :

MSVOA_N

ClientSampleId :

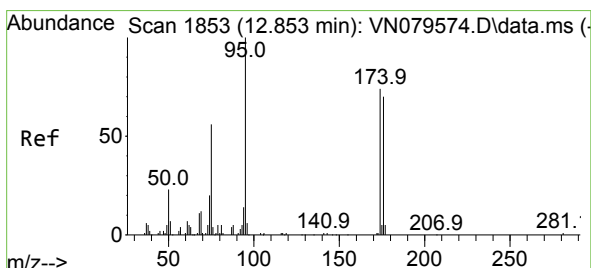
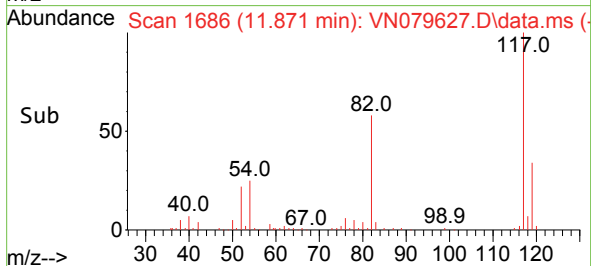
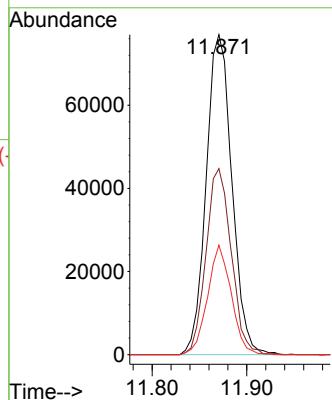
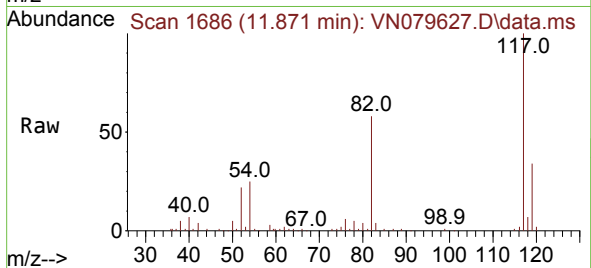
Tgt Ion:117 Resp: 145221

Ion Ratio Lower Upper

117 100

82 57.0 46.2 69.2

119 31.5 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 19.848 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079627.D

Acq: 20 Oct 2023 14:40

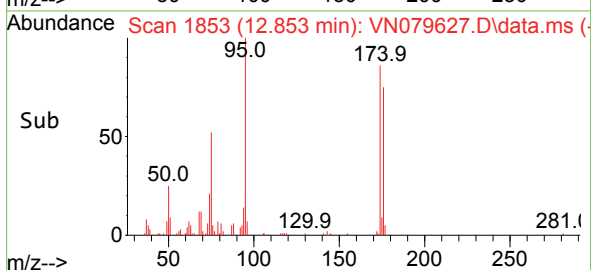
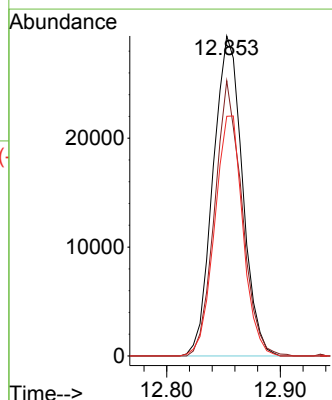
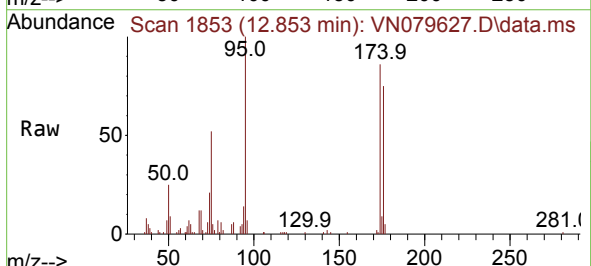
Tgt Ion: 95 Resp: 52711

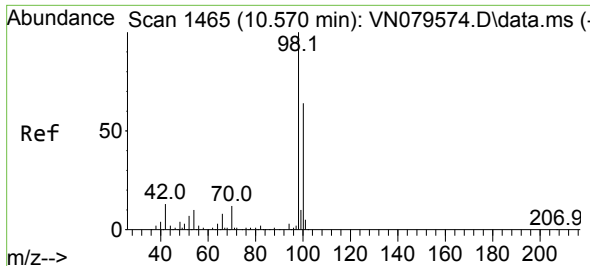
Ion Ratio Lower Upper

95 100

174 79.8 60.5 90.7

176 72.7 57.2 85.8

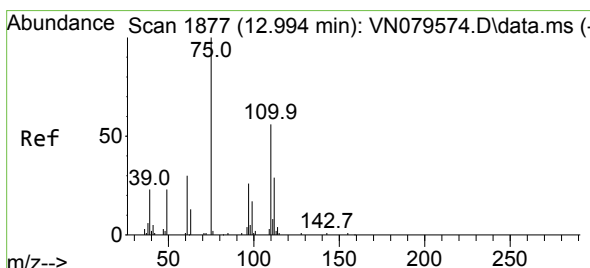
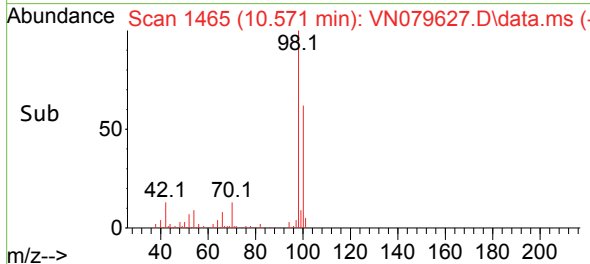
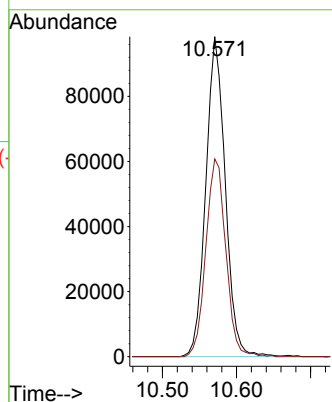
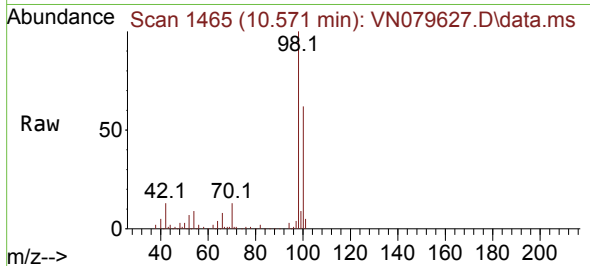




#63
Toluene-d8
Concen: 28.809 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

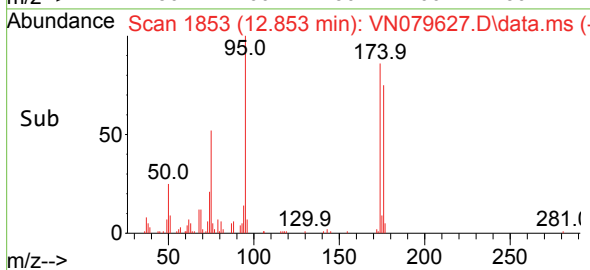
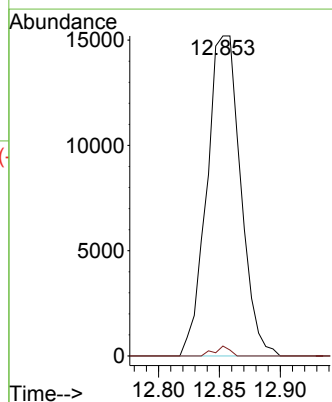
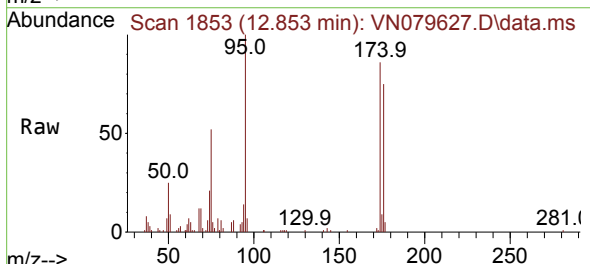
Instrument :
MSVOA_N
ClientSampleId :

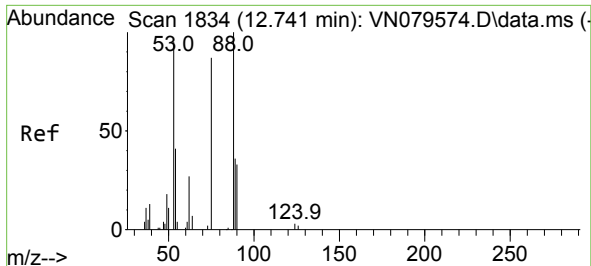
Tgt Ion: 98 Resp: 179276
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 8.755 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

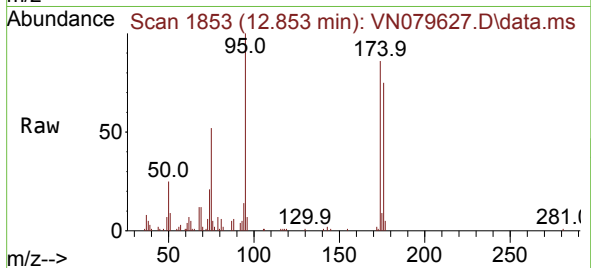
Tgt Ion: 75 Resp: 29333
Ion Ratio Lower Upper
75 100
77 1.4 0.0 338.2



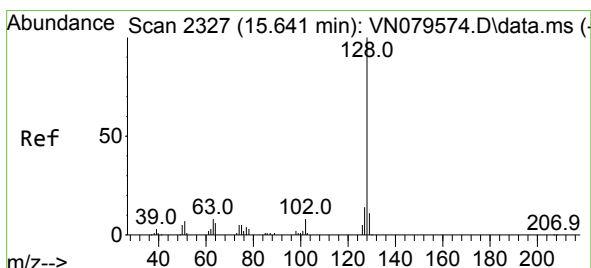
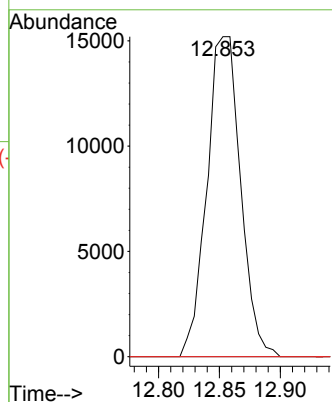
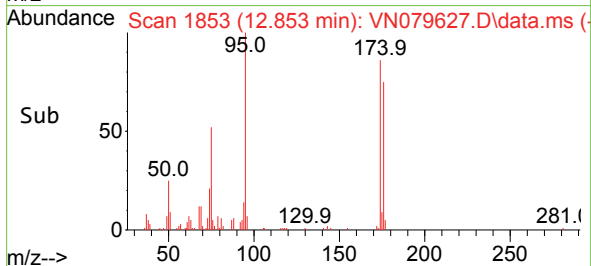


#77
t-1,4-Dichloro-2-butene
Concen: 28.684 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 29333
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#



#91
Naphthalene
Concen: 0.831 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN079627.D
Acq: 20 Oct 2023 14:40

Tgt Ion: 128 Resp: 3012
Ion Ratio Lower Upper
128 100
127 4.4 10.9 16.3#
129 7.8 8.6 12.8#

