

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079632.D
 Acq On : 20 Oct 2023 17:33
 Operator : JC\MD
 Sample : 05000-02DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:51:25 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)

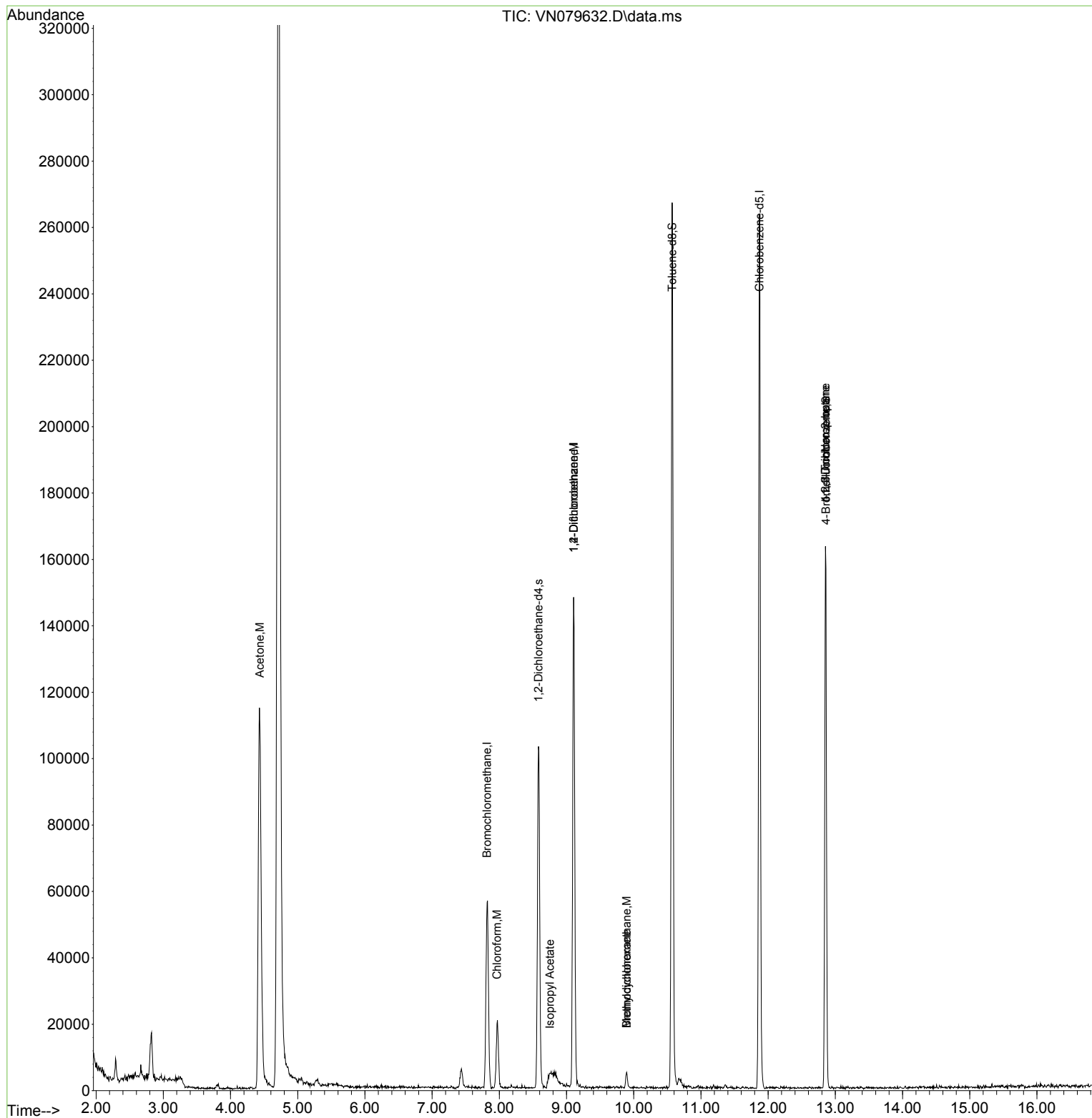
Internal Standards						
1) Bromochloromethane	7.818	128	18598	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	123615	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	151844	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	87142	32.956	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.867%
60) 4-Bromofluorobenzene	12.859	95	55879	20.124	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	67.067%
63) Toluene-d8	10.571	98	181173	27.844	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	92.800%
Target Compounds						
					Qvalue	
15) Acetone	4.436	58	70358	153.525	ug/l	88
25) Chloroform	7.965	83	18648	3.315	ug/l	94
36) 1,2-Dichloroethane	9.106	62	4786	1.221	ug/l #	75
38) Methylcyclohexane	9.894	83	3285	0.944	ug/l #	17
41) Bromodichloromethane	9.894	83	3522	0.894	ug/l #	88
44) Isopropyl Acetate	8.753	43	3775	0.624	ug/l #	49
72) 1,2,3-Trichloropropane	12.853	75	31075	8.870	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	31075	29.062	ug/l #	7

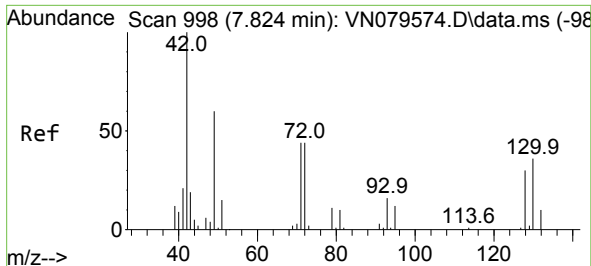
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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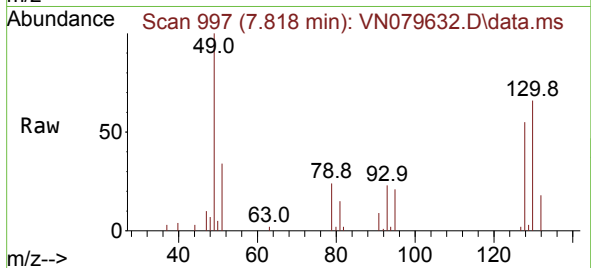
Quant Time: Oct 20 23:51:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



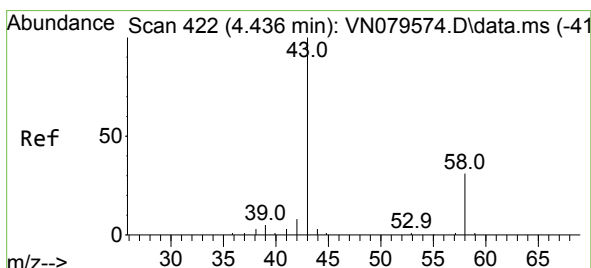
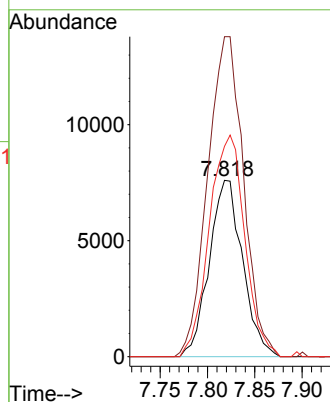
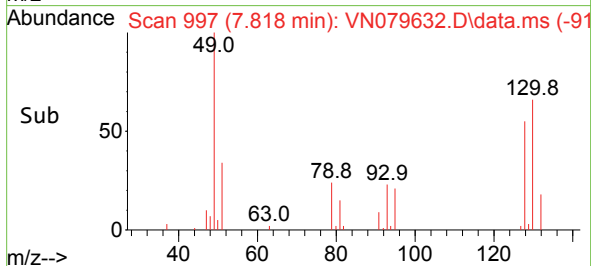


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

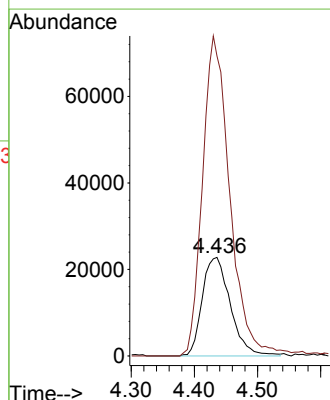
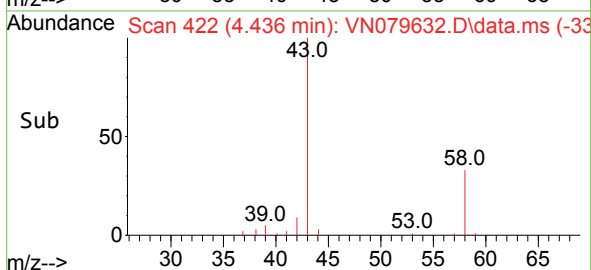
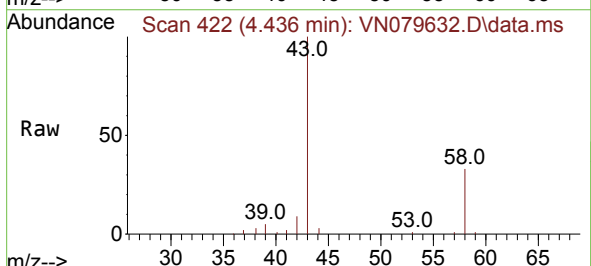


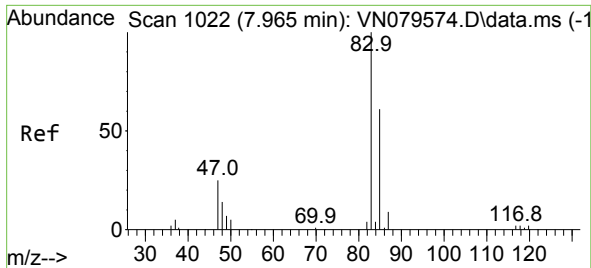
Tgt Ion:128 Resp: 18598
Ion Ratio Lower Upper
128 100
49 194.8 0.0 468.5
130 134.2 0.0 320.7



#15
Acetone
Concen: 153.525 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.000 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

Tgt Ion: 58 Resp: 70358
Ion Ratio Lower Upper
58 100
43 304.4 225.2 337.8

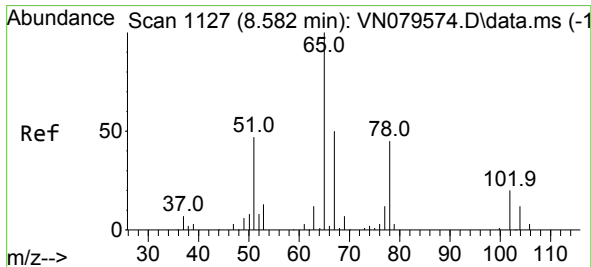
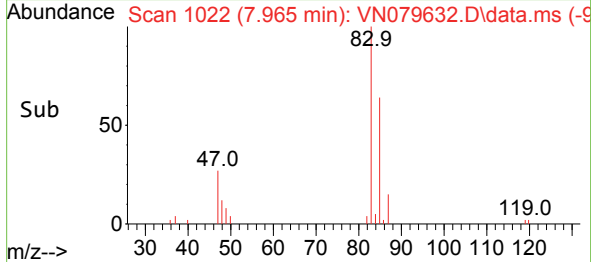
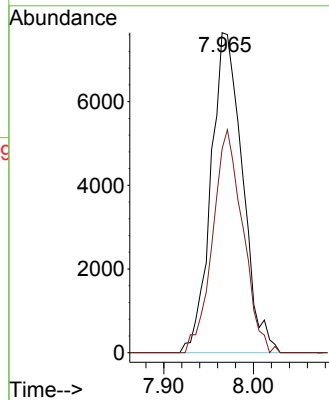
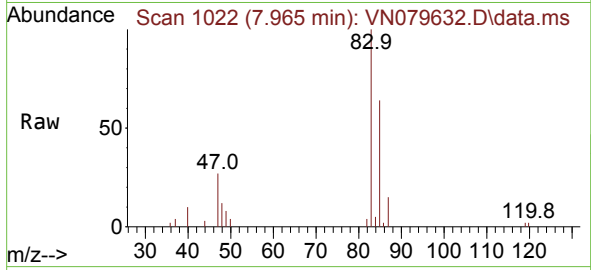




#25
Chloroform
Concen: 3.315 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

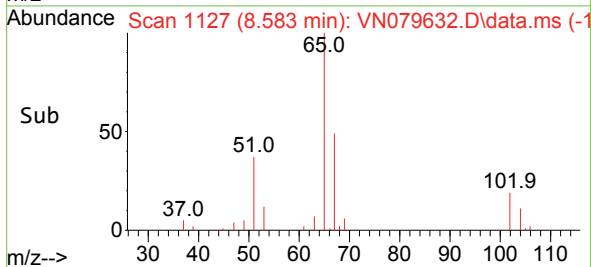
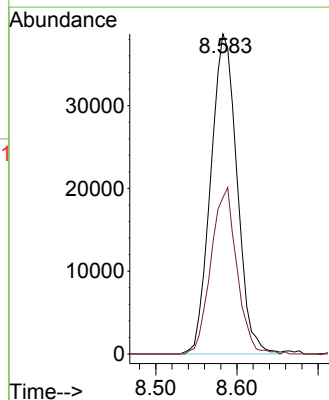
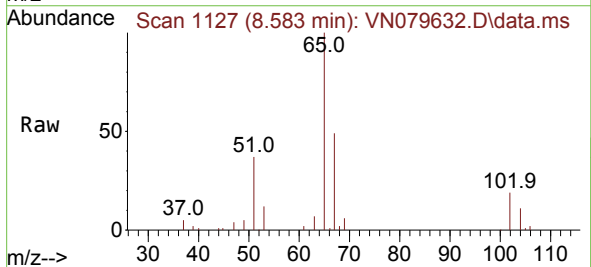
Instrument :
MSVOA_N
ClientSampleId :

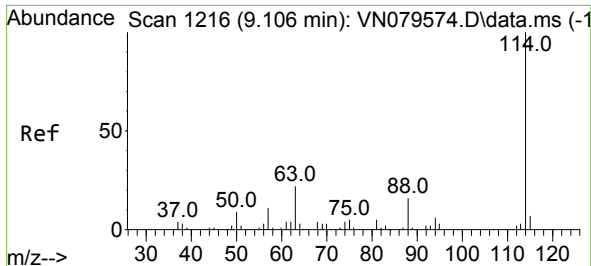
Tgt Ion: 83 Resp: 18648
Ion Ratio Lower Upper
83 100
85 63.8 47.4 71.2



#27
1,2-Dichloroethane-d4
Concen: 32.956 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

Tgt Ion: 65 Resp: 87142
Ion Ratio Lower Upper
65 100
67 50.5 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: VN079632.D

Acq: 20 Oct 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

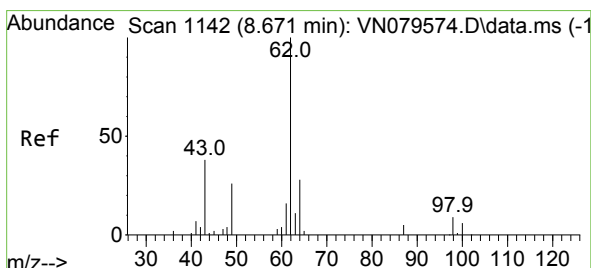
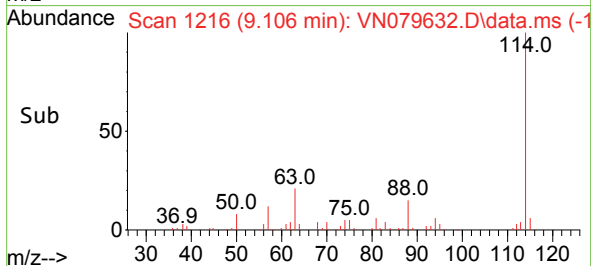
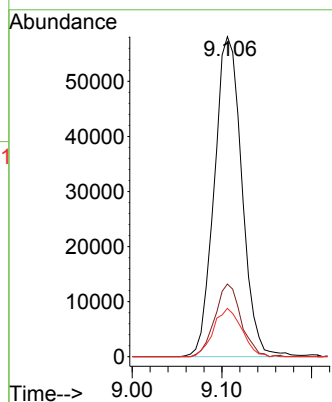
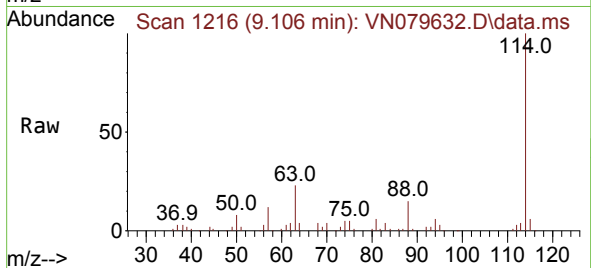
Tgt Ion:114 Resp: 123615

Ion Ratio Lower Upper

114 100

63 21.6 18.1 27.1

88 15.5 12.2 18.2



#36

1,2-Dichloroethane

Concen: 1.221 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN079632.D

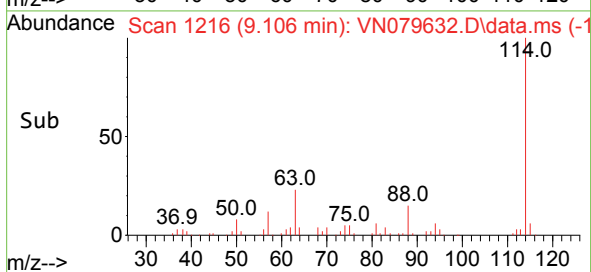
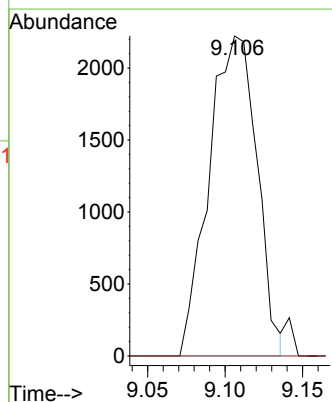
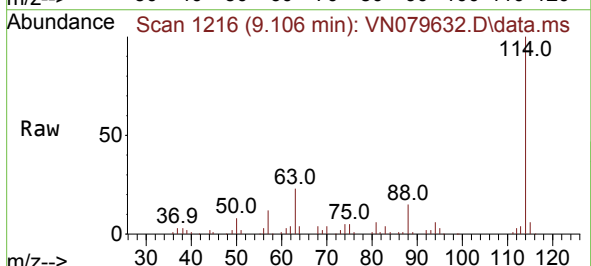
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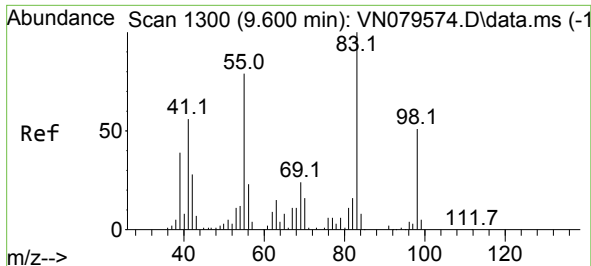
Tgt Ion: 62 Resp: 4786

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

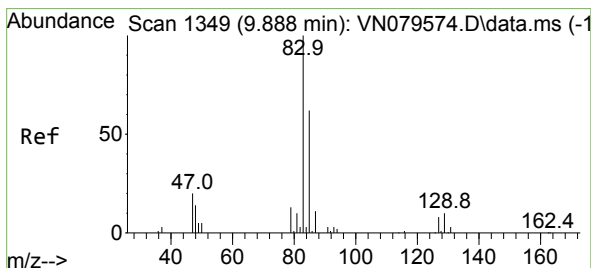
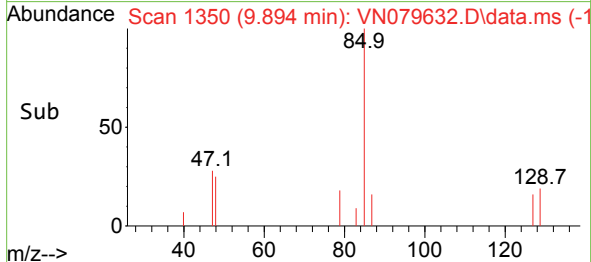
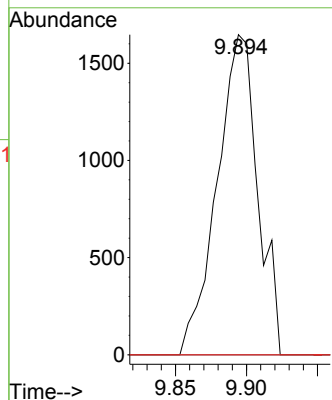
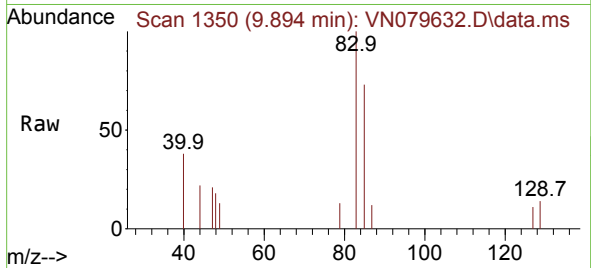




#38
Methylcyclohexane
Concen: 0.944 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.294 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

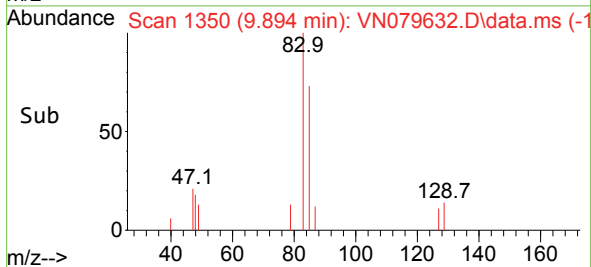
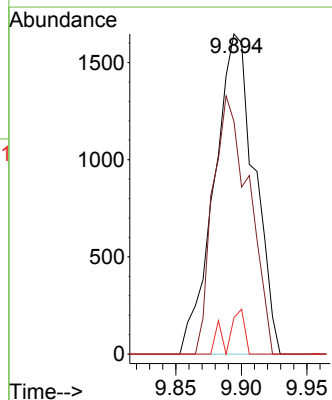
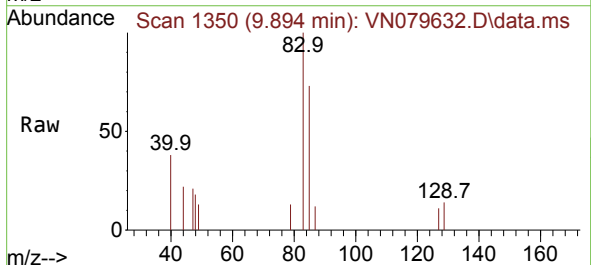
Instrument :
MSVOA_N
ClientSampleId :

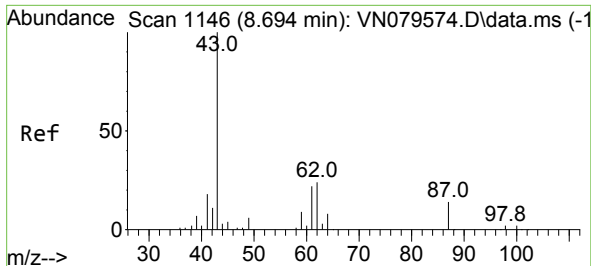
Tgt Ion: 83 Resp: 3285
Ion Ratio Lower Upper
83 100
55 0.0 39.7 119.1#
98 0.0 24.4 73.2#



#41
Bromodichloromethane
Concen: 0.894 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.006 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

Tgt Ion: 83 Resp: 3522
Ion Ratio Lower Upper
83 100
85 72.6 50.3 75.5
127 11.4 6.8 10.2#

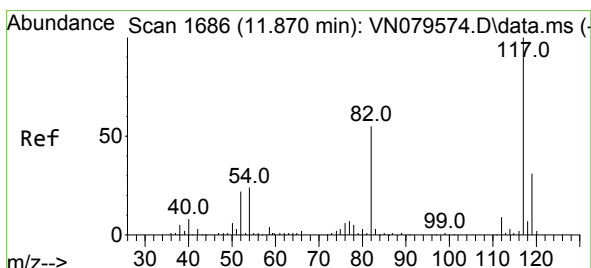
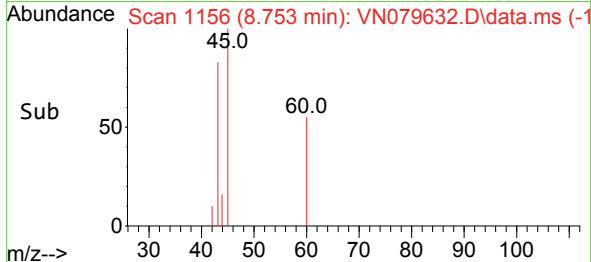
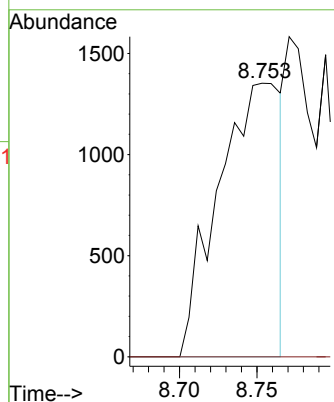
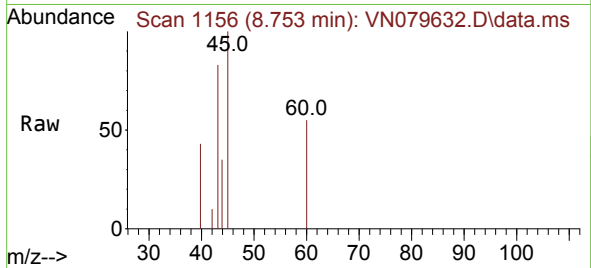




#44
Isopropyl Acetate
Concen: 0.624 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

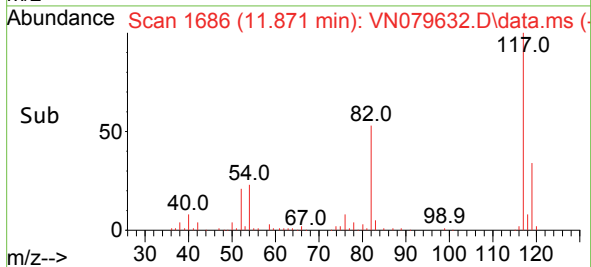
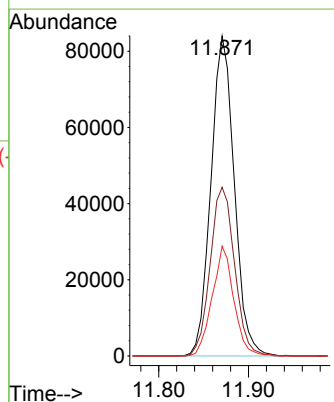
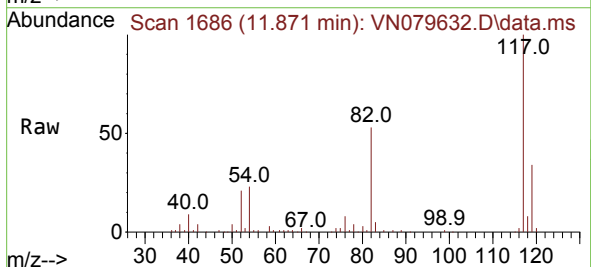
Instrument :
MSVOA_N
ClientSampleId :

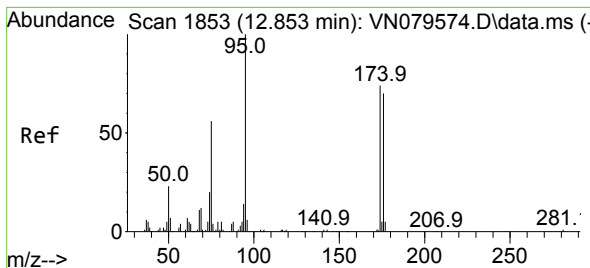
Tgt Ion: 43 Resp: 3775
Ion Ratio Lower Upper
43 100
61 51.4 20.3 30.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

Tgt Ion: 117 Resp: 151844
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.2
119 31.7 25.2 37.8

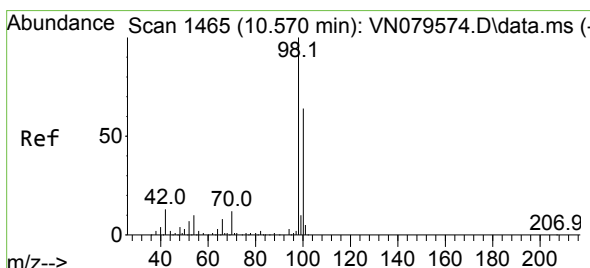
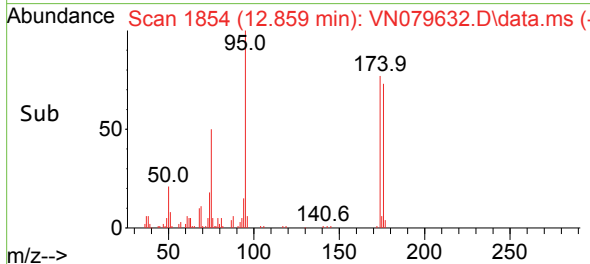
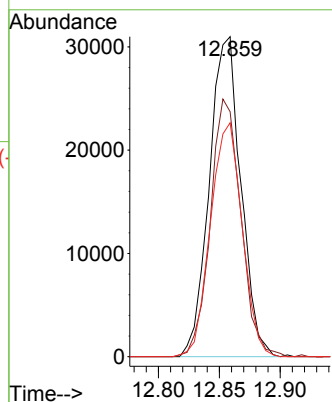
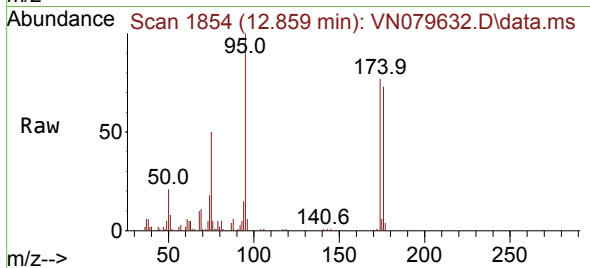




#60
4-Bromofluorobenzene
Concen: 20.124 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

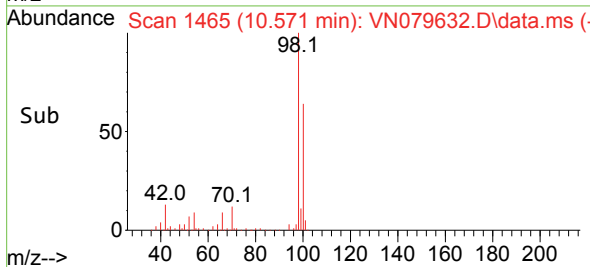
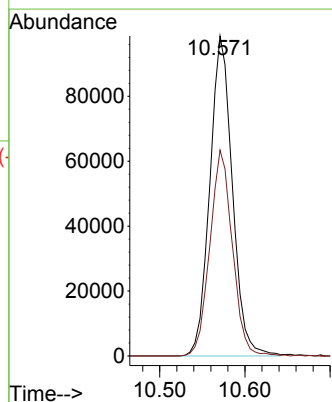
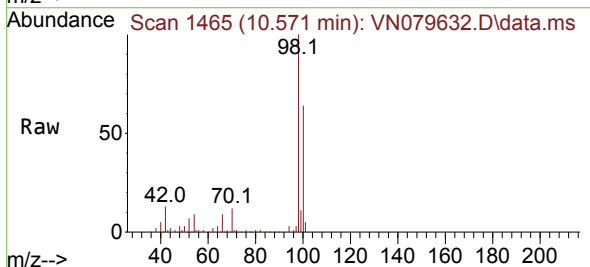
Instrument :
MSVOA_N
ClientSampleId :

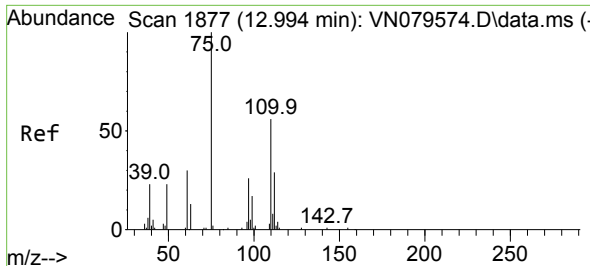
Tgt Ion: 95 Resp: 55879
Ion Ratio Lower Upper
95 100
174 77.7 60.5 90.7
176 73.4 57.2 85.8



#63
Toluene-d8
Concen: 27.844 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

Tgt Ion: 98 Resp: 181173
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

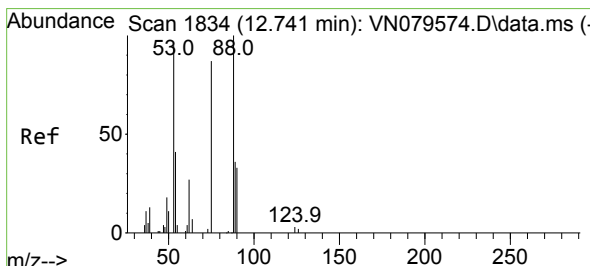
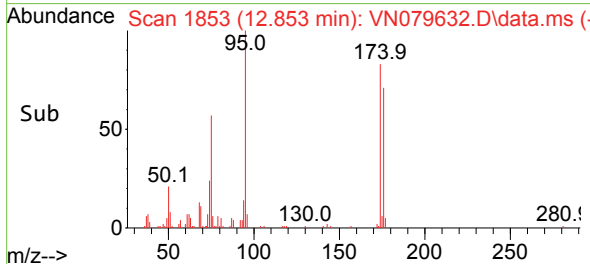
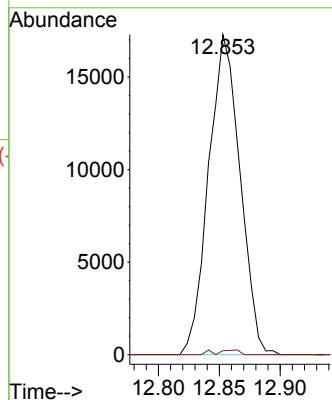
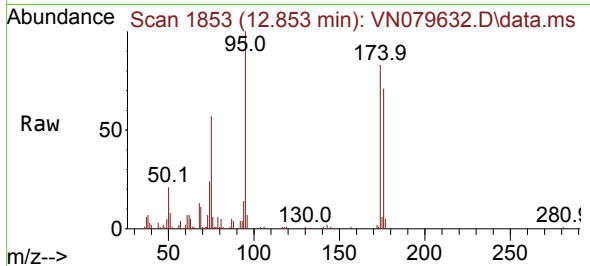




#72
1,2,3-Trichloropropane
Concen: 8.870 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 31075
Ion Ratio Lower Upper
75 100
77 0.8 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 29.062 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079632.D
Acq: 20 Oct 2023 17:33

Tgt Ion: 75 Resp: 31075
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

