

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092223\
 Data File : VN079331.D
 Acq On : 22 Sep 2023 11:24
 Operator : JC\MD
 Sample : 04554-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 23 00:40:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

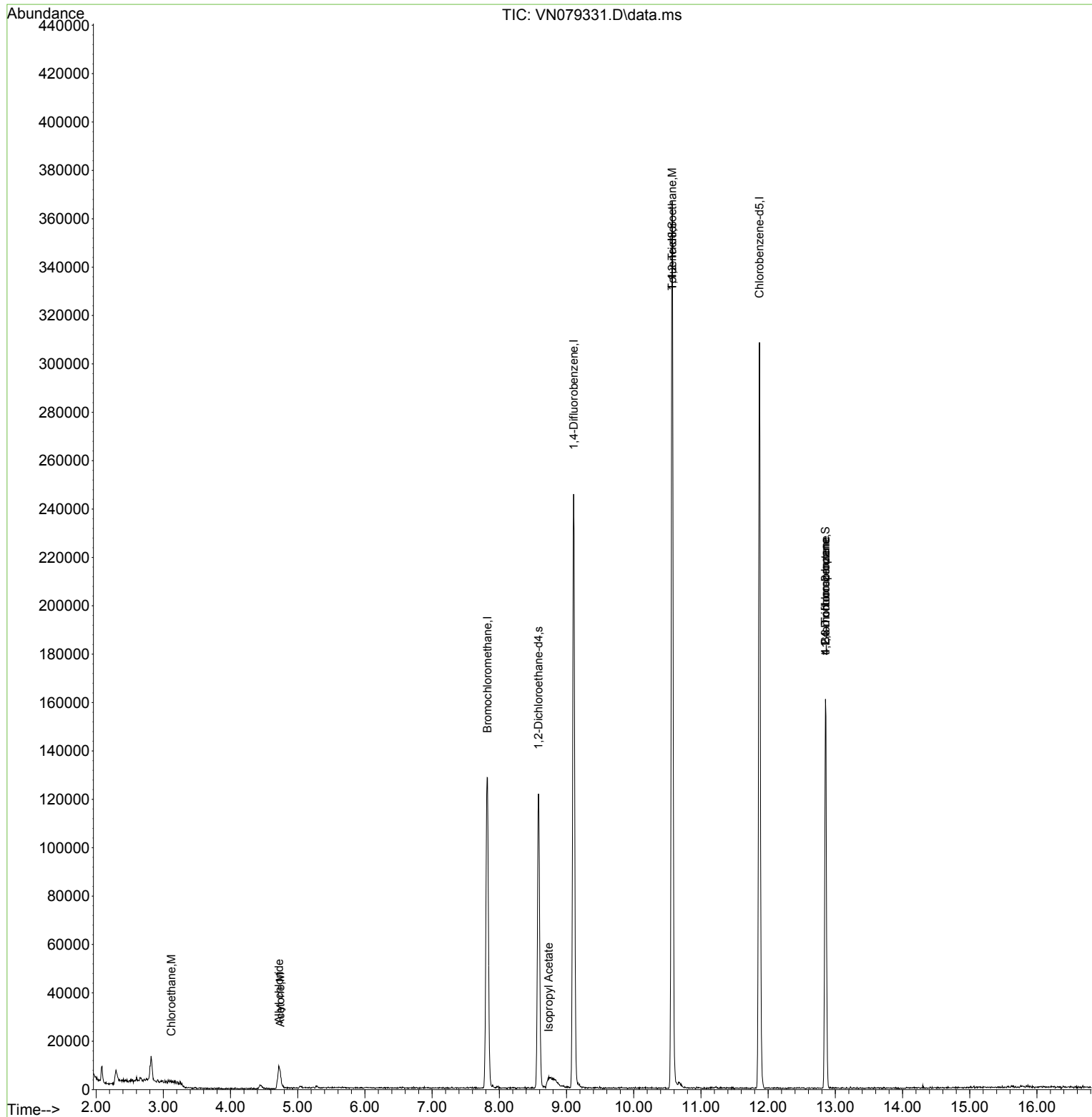
Internal Standards						
1) Bromochloromethane	7.824	128	44632	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	204214	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	179353	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	100023	29.829	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.433%
60) 4-Bromofluorobenzene	12.853	95	54720	20.706	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	69.033%
63) Toluene-d8	10.571	98	255874	30.527	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.767%
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	458	0.303	ug/l #	50
15) Acetone	4.742	58	127	0.454	ug/l	94
17) Allyl chloride	4.724	41	1073	0.425	ug/l #	30
44) Isopropyl Acetate	8.736	43	2955	0.525	ug/l #	2
50) 1,1,2-Trichloroethane	10.571	97	9197	3.705	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	31193	10.218	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	31193	29.023	ug/l #	14

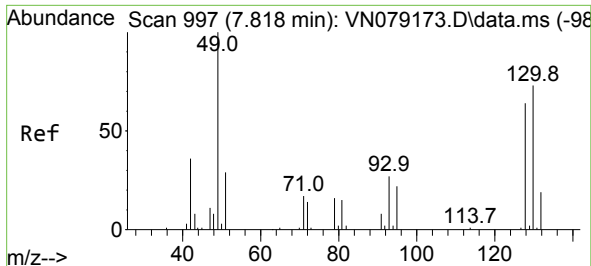
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN079331.D
Acq On : 22 Sep 2023 11:24
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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MSVOA_N
ClientSampleId :

Quant Time: Sep 23 00:40:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration

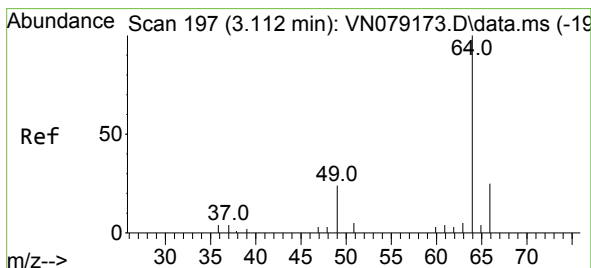
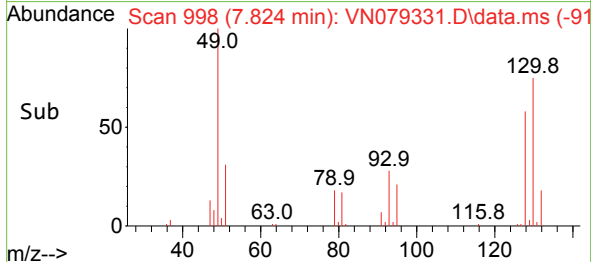
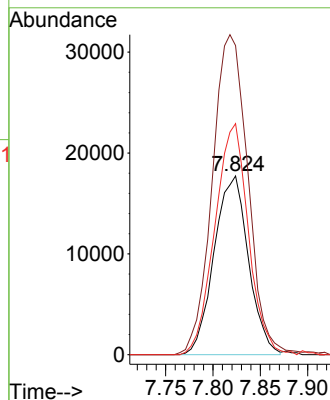
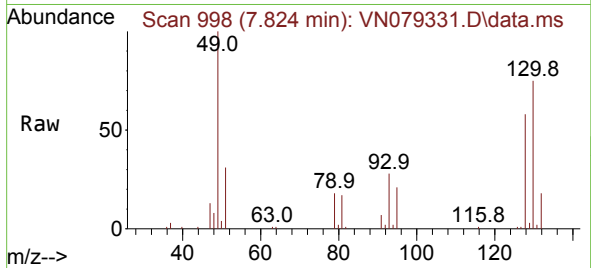




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 997
Delta R.T. 0.006 min
Lab File: VN079331.D
Acq: 22 Sep 2023 11:24

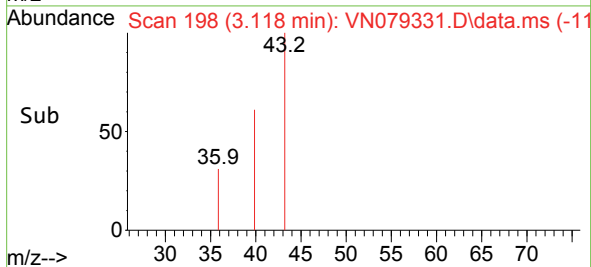
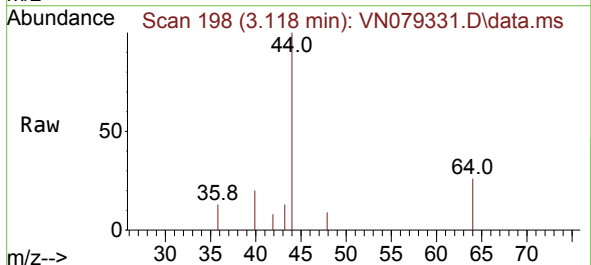
Instrument :
MSVOA_N
ClientSampleId :

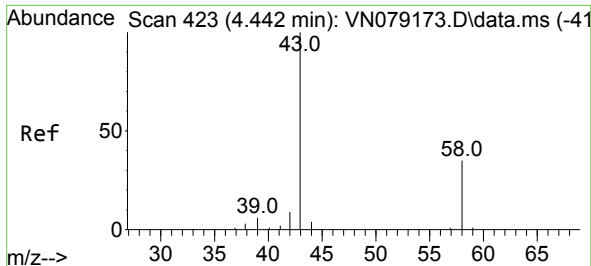
Tgt Ion:128 Resp: 44632
Ion Ratio Lower Upper
128 100
49 185.8 0.0 414.3
130 126.6 0.0 311.0



#6
Chloroethane
Concen: 0.303 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN079331.D
Acq: 22 Sep 2023 11:24

Tgt Ion: 64 Resp: 458
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#





#15

Acetone

Concen: 0.454 ug/l

RT: 4.742 min Scan# 41

Delta R.T. 0.300 min

Lab File: VN079331.D

Acq: 22 Sep 2023 11:24

Instrument :

MSVOA_N

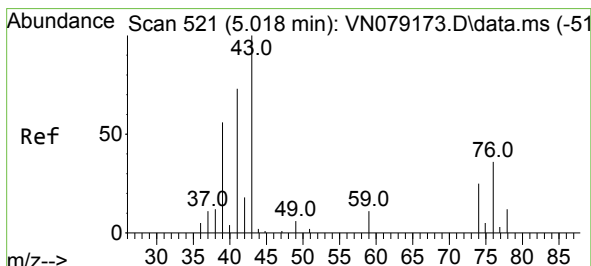
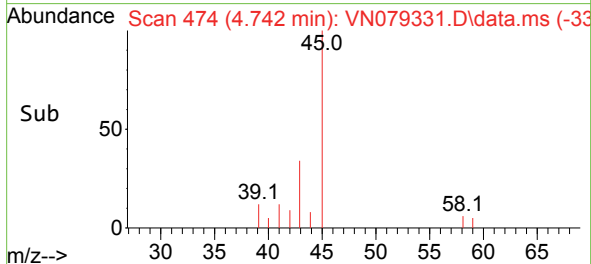
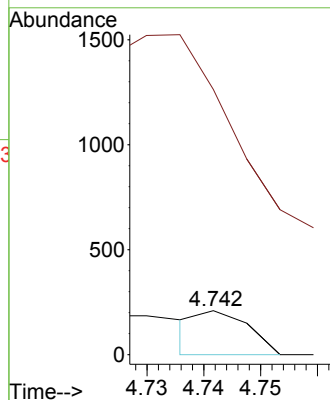
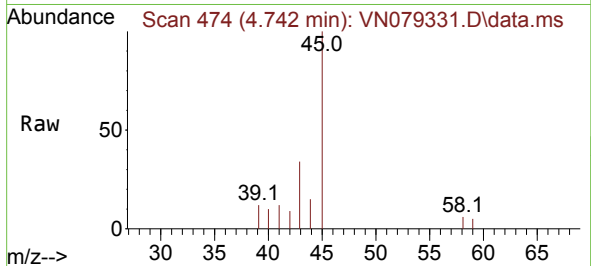
ClientSampleId :

Tgt Ion: 58 Resp: 127

Ion Ratio Lower Upper

58 100

43 274.2 228.3 342.5



#17

Allyl chloride

Concen: 0.425 ug/l

RT: 4.724 min Scan# 471

Delta R.T. -0.294 min

Lab File: VN079331.D

Acq: 22 Sep 2023 11:24

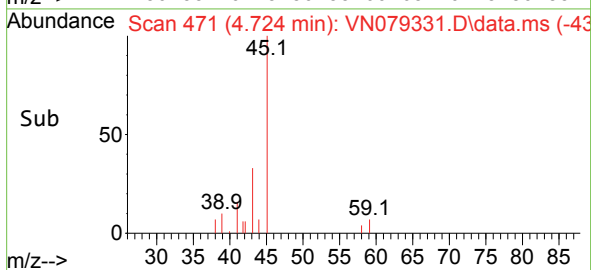
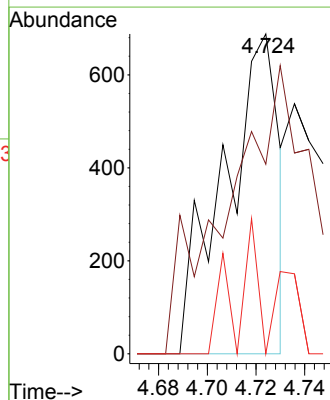
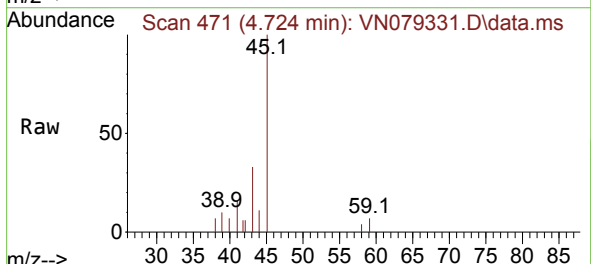
Tgt Ion: 41 Resp: 1073

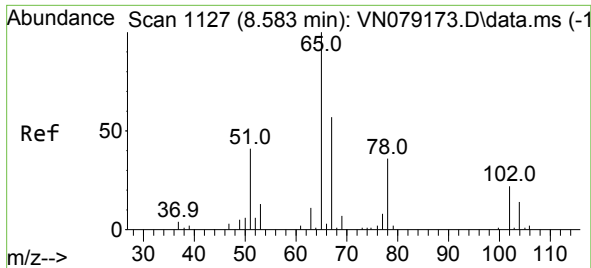
Ion Ratio Lower Upper

41 100

39 16.0 38.3 114.8#

76 0.0 23.7 71.1#

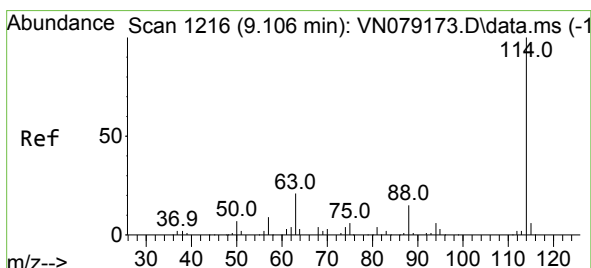
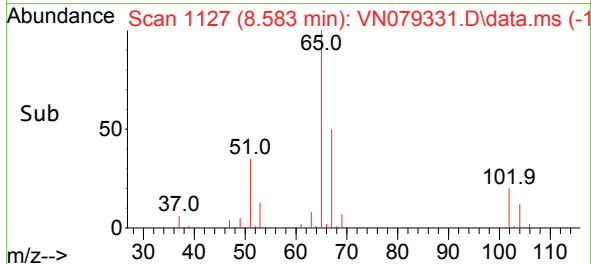
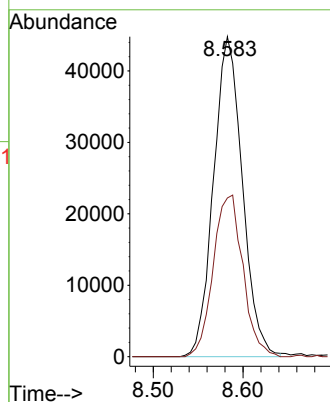
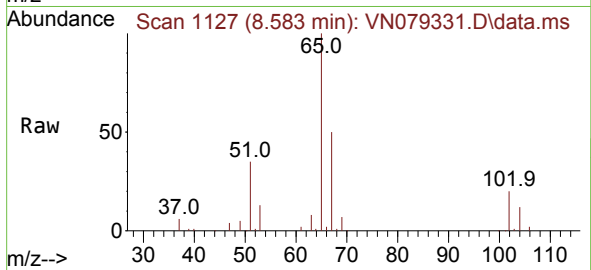




#27
1,2-Dichloroethane-d4
Concen: 29.829 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079331.D
Acq: 22 Sep 2023 11:24

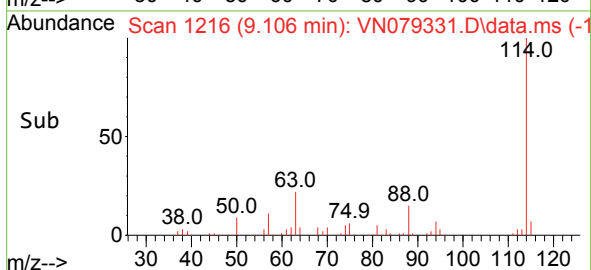
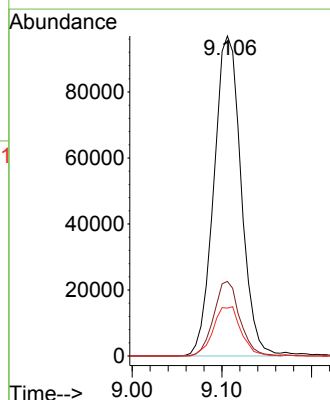
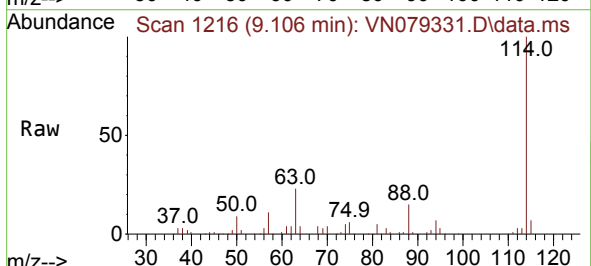
Instrument :
MSVOA_N
ClientSampleId :

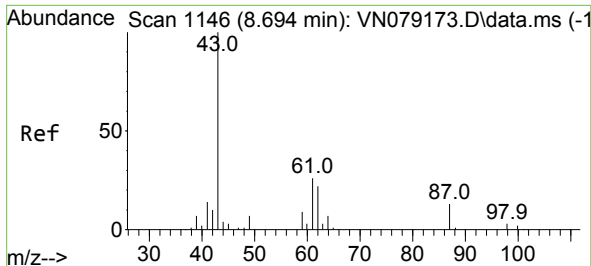
Tgt Ion: 65 Resp: 100023
Ion Ratio Lower Upper
65 100
67 51.9 44.4 66.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN079331.D
Acq: 22 Sep 2023 11:24

Tgt Ion: 114 Resp: 204214
Ion Ratio Lower Upper
114 100
63 22.3 17.0 25.4
88 15.6 12.8 19.2

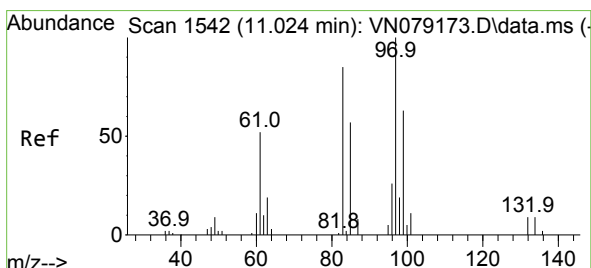
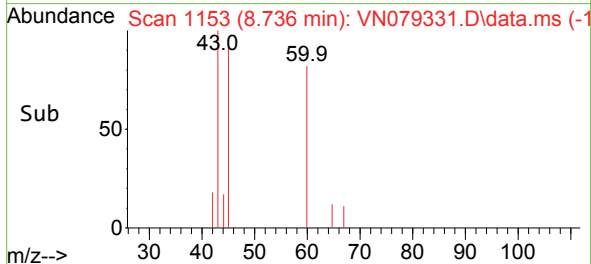
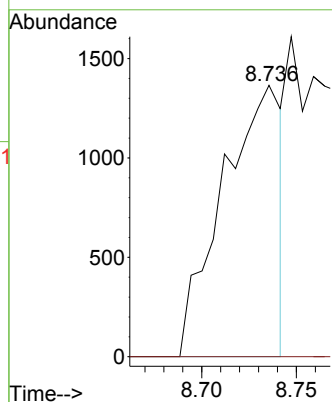
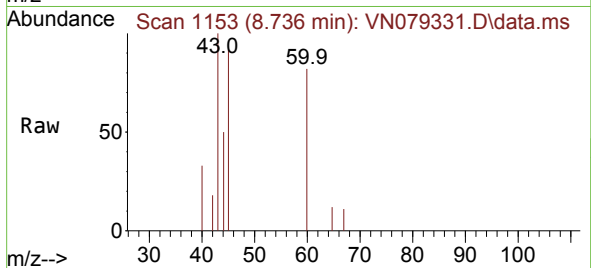




#44
Isopropyl Acetate
Concen: 0.525 ug/l
RT: 8.736 min Scan# 1146
Delta R.T. 0.042 min
Lab File: VN079331.D
Acq: 22 Sep 2023 11:24

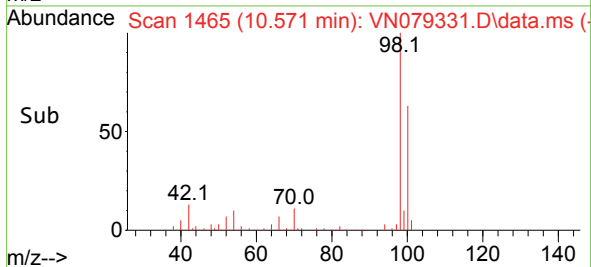
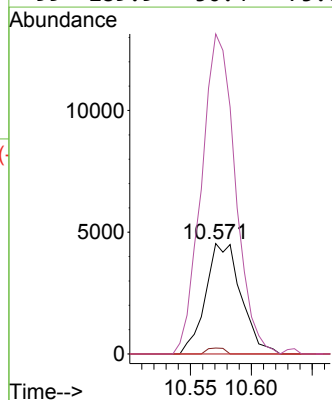
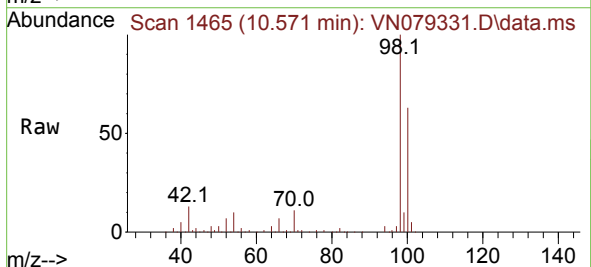
Instrument :
MSVOA_N
ClientSampleId :

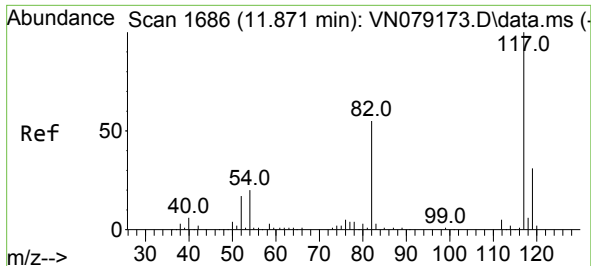
Tgt Ion: 43 Resp: 2955
Ion Ratio Lower Upper
43 100
61 80.1 22.6 33.8#



#50
1,1,2-Trichloroethane
Concen: 3.705 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.453 min
Lab File: VN079331.D
Acq: 22 Sep 2023 11:24

Tgt Ion: 97 Resp: 9197
Ion Ratio Lower Upper
97 100
83 5.4 68.9 103.3#
85 0.0 45.3 67.9#
99 289.9 50.4 75.6#

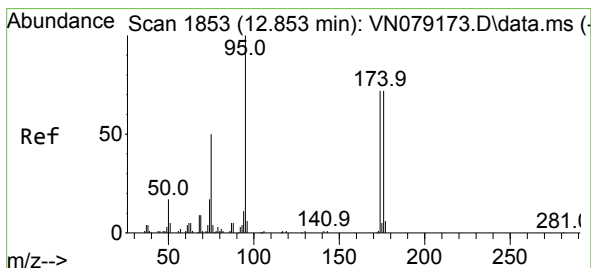
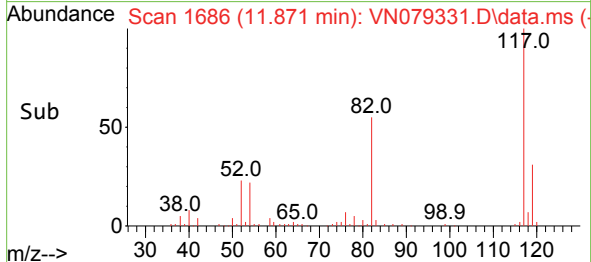
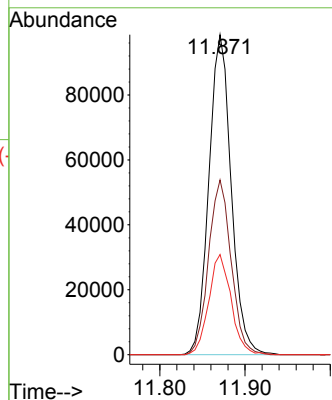
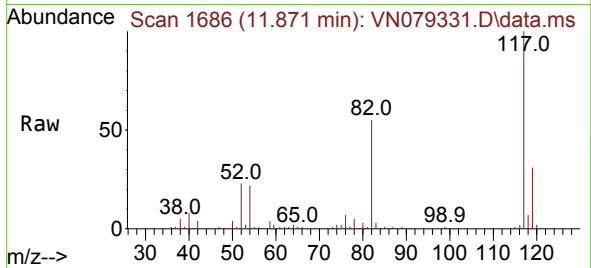




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079331.D
Acq: 22 Sep 2023 11:24

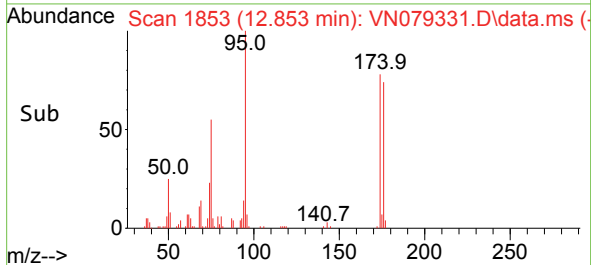
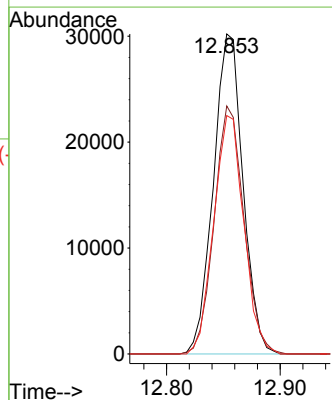
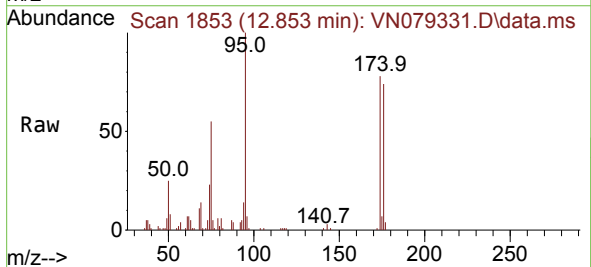
Instrument :
MSVOA_N
ClientSampleId :

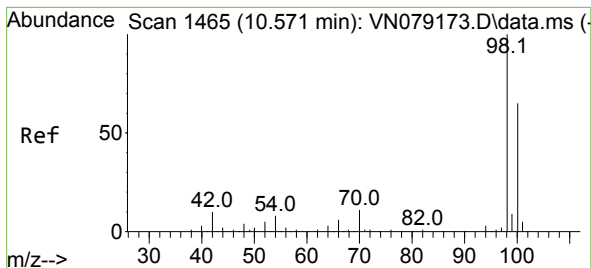
Tgt Ion:117 Resp: 179353
Ion Ratio Lower Upper
117 100
82 55.4 44.7 67.1
119 31.4 24.9 37.3



#60
4-Bromofluorobenzene
Concen: 20.706 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079331.D
Acq: 22 Sep 2023 11:24

Tgt Ion: 95 Resp: 54720
Ion Ratio Lower Upper
95 100
174 77.9 59.5 89.3
176 75.5 59.1 88.7





#63

Toluene-d8

Concen: 30.527 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079331.D

Acq: 22 Sep 2023 11:24

Instrument :

MSVOA_N

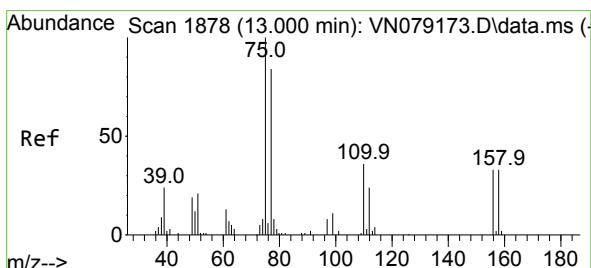
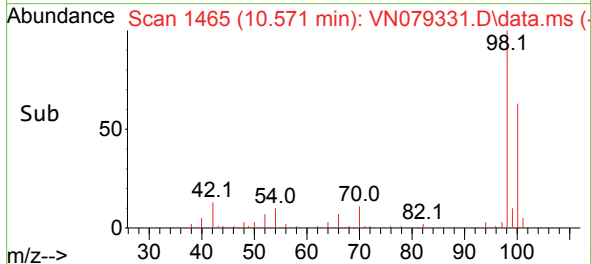
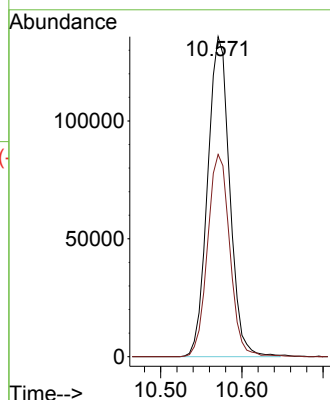
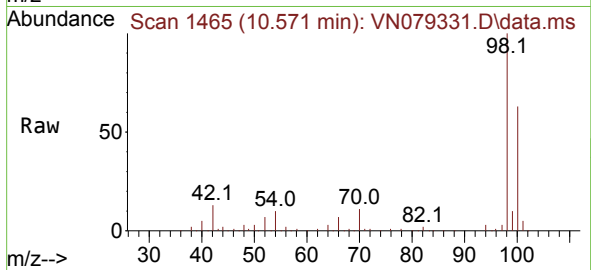
ClientSampleId :

Tgt Ion: 98 Resp: 255874

Ion Ratio Lower Upper

98 100

100 63.4 52.5 78.7



#72

1,2,3-Trichloropropane

Concen: 10.218 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079331.D

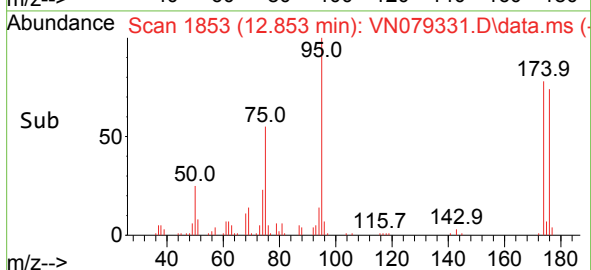
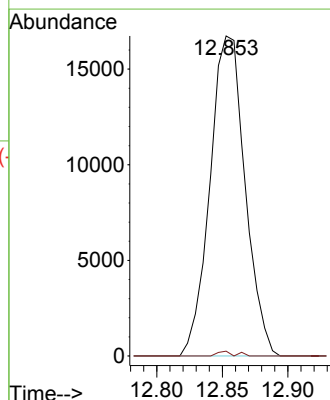
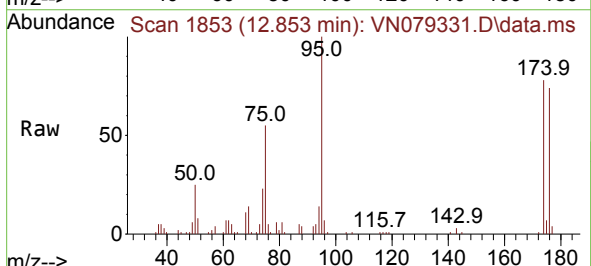
Acq: 22 Sep 2023 11:24

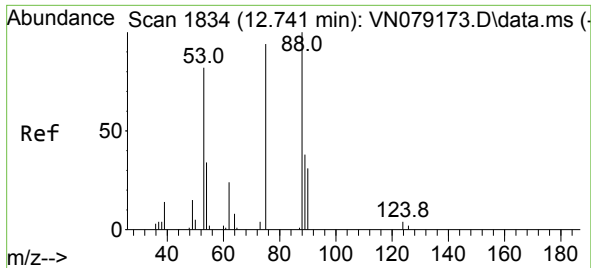
Tgt Ion: 75 Resp: 31193

Ion Ratio Lower Upper

75 100

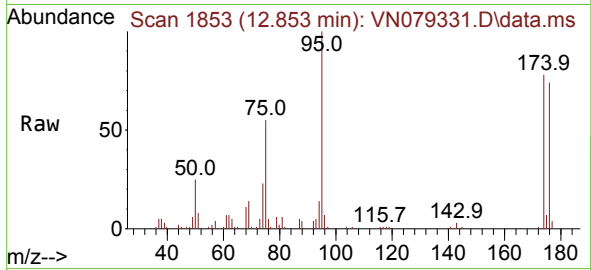
77 0.5 0.0 252.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 29.023 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079331.D
 Acq: 22 Sep 2023 11:24

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	31193
Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.1	132.4#
89	0.0	22.4	67.3#

