

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079624.D
 Acq On : 20 Oct 2023 13:29
 Operator : JC\MD
 Sample : 04966-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:48:46 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)

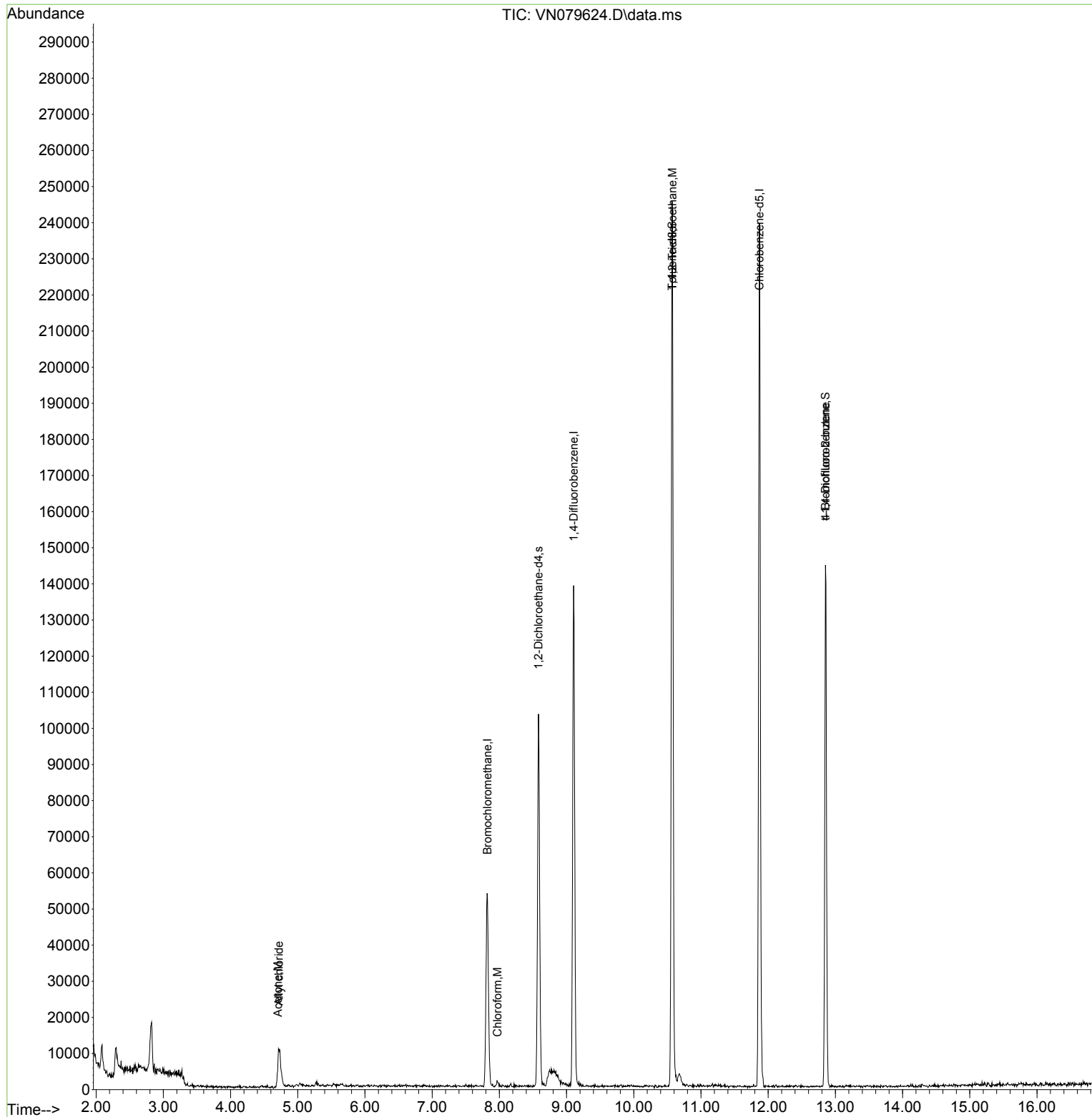
Internal Standards						
1) Bromochloromethane	7.824	128	18636	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	115054	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	136649	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	80846	30.512	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.700%
60) 4-Bromofluorobenzene	12.853	95	49435	19.783	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	65.933%
63) Toluene-d8	10.571	98	170527	29.123	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.067%
Target Compounds						
					Qvalue	
15) Acetone	4.706	58	172	0.375	ug/l #	1
17) Allyl chloride	4.718	41	1060	0.274	ug/l	87
25) Chloroform	7.971	83	1367	0.243	ug/l #	66
50) 1,1,2-Trichloroethane	10.576	97	6346	2.586	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	28088	29.190	ug/l #	7

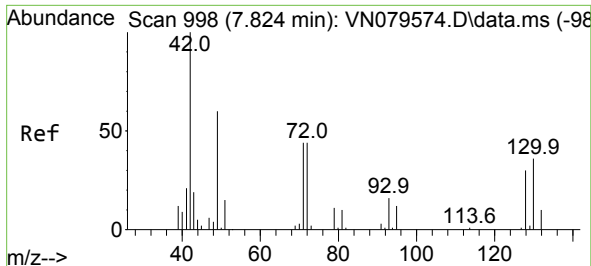
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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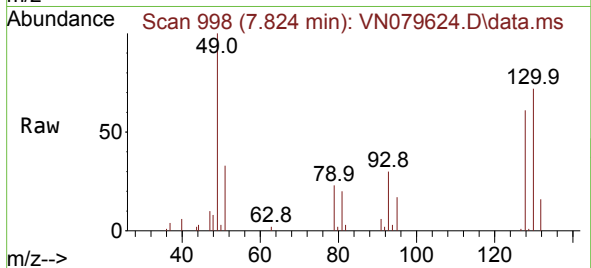
Quant Time: Oct 20 23:48:46 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
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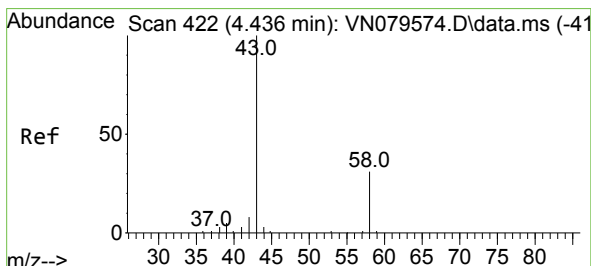
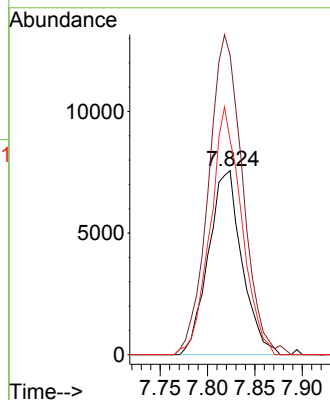
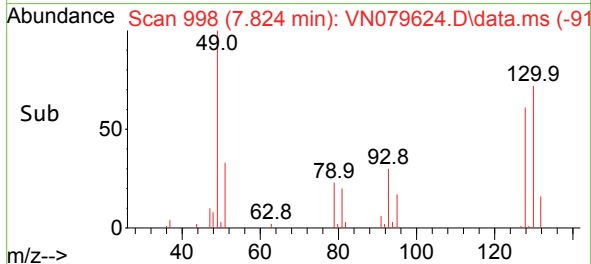


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079624.D
Acq: 20 Oct 2023 13:29

Instrument :
MSVOA_N
ClientSampleId :

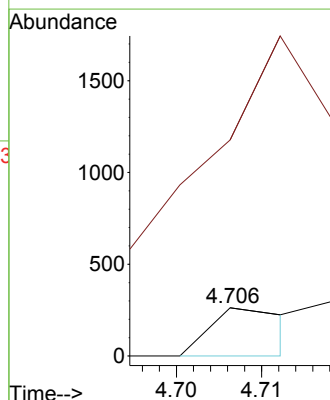
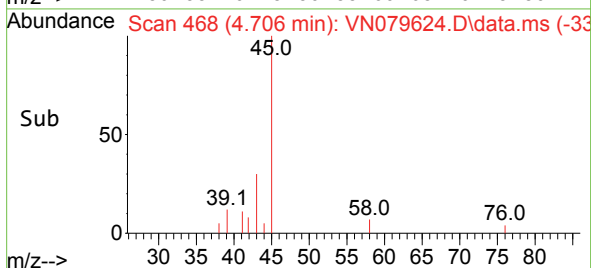
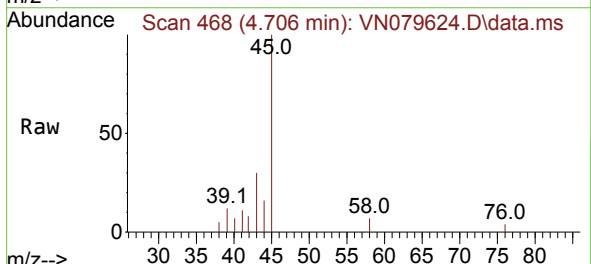


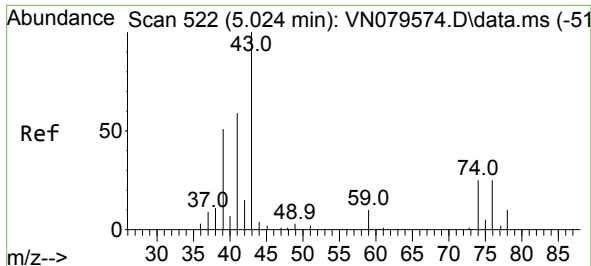
Tgt Ion:128 Resp: 18636
Ion Ratio Lower Upper
128 100
49 175.4 0.0 468.5
130 125.6 0.0 320.7



#15
Acetone
Concen: 0.375 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.271 min
Lab File: VN079624.D
Acq: 20 Oct 2023 13:29

Tgt Ion: 58 Resp: 172
Ion Ratio Lower Upper
58 100
43 93.2 225.2 337.8#





#17

Allyl chloride

Concen: 0.274 ug/l

RT: 4.718 min Scan# 41

Delta R.T. -0.306 min

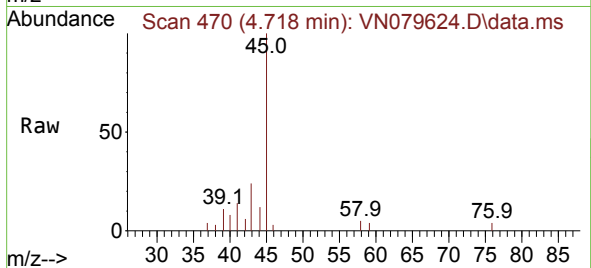
Lab File: VN079624.D

Acq: 20 Oct 2023 13:29

Instrument :

MSVOA_N

ClientSampleId :



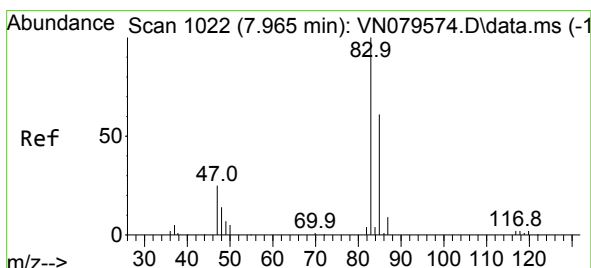
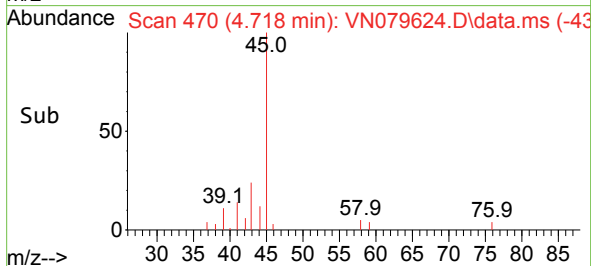
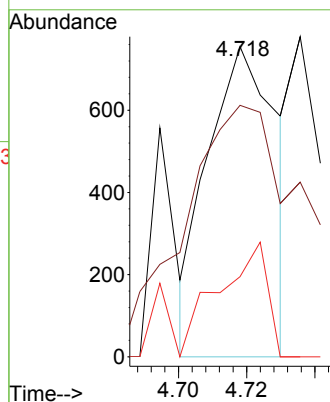
Tgt Ion: 41 Resp: 1060

Ion Ratio Lower Upper

41 100

39 62.9 38.4 115.2

76 34.3 19.5 58.5



#25

Chloroform

Concen: 0.243 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.006 min

Lab File: VN079624.D

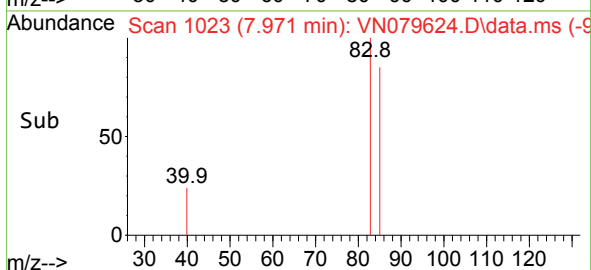
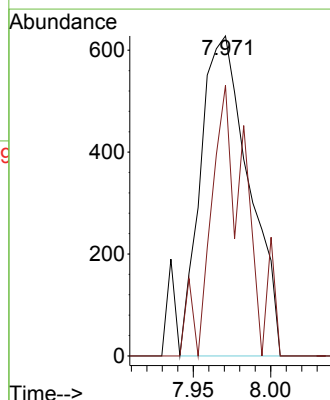
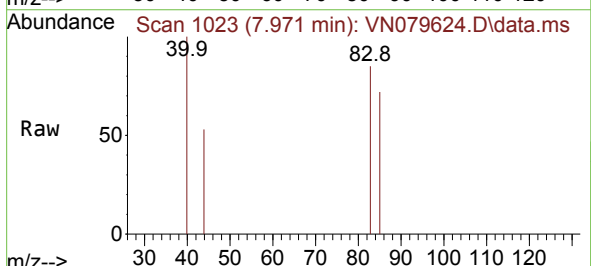
Acq: 20 Oct 2023 13:29

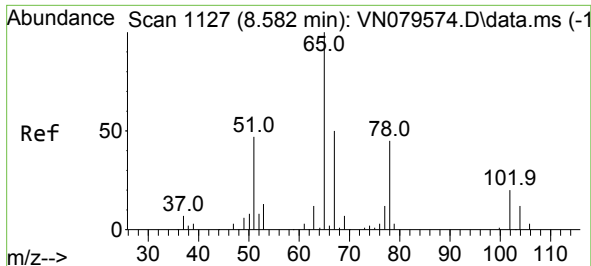
Tgt Ion: 83 Resp: 1367

Ion Ratio Lower Upper

83 100

85 84.6 47.4 71.2#





#27

1,2-Dichloroethane-d4

Concen: 30.512 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079624.D

Acq: 20 Oct 2023 13:29

Instrument :

MSVOA_N

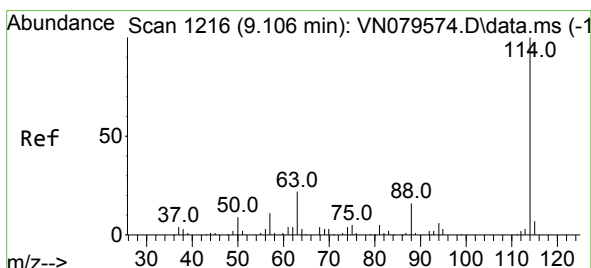
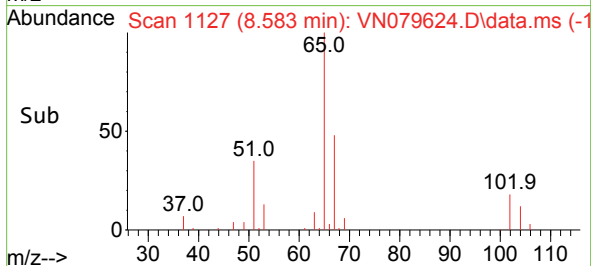
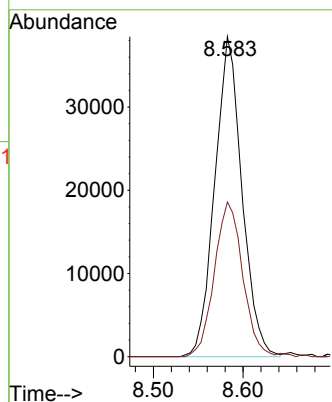
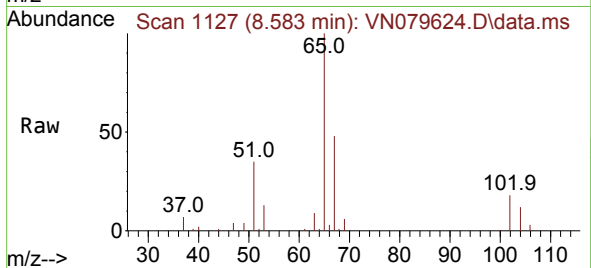
ClientSampleId :

Tgt Ion: 65 Resp: 80846

Ion Ratio Lower Upper

65 100

67 50.2 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: VN079624.D

Acq: 20 Oct 2023 13:29

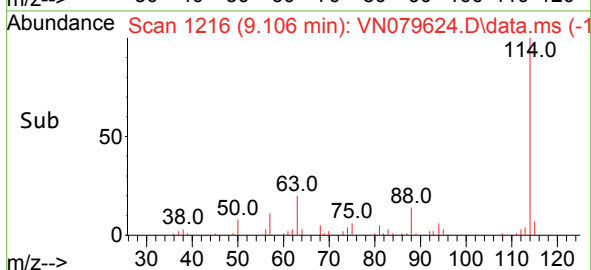
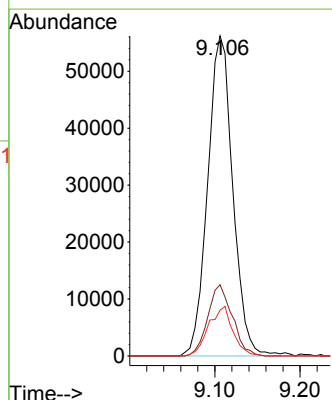
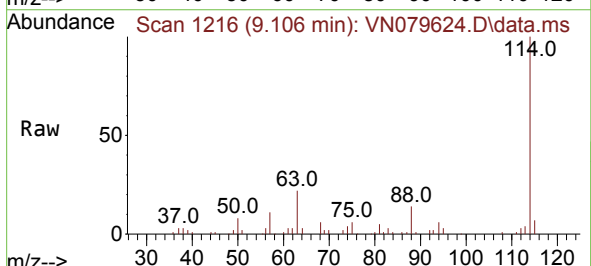
Tgt Ion: 114 Resp: 115054

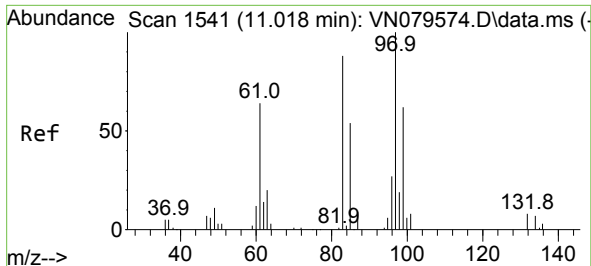
Ion Ratio Lower Upper

114 100

63 21.7 18.1 27.1

88 15.0 12.2 18.2





#50

1,1,2-Trichloroethane

Concen: 2.586 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

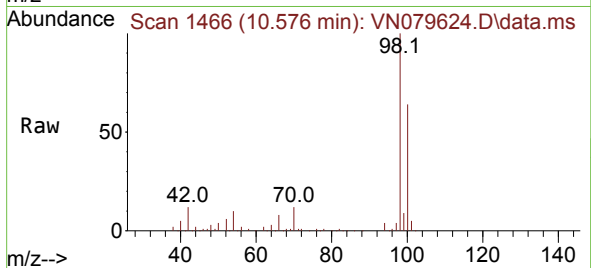
Lab File: VN079624.D

Acq: 20 Oct 2023 13:29

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 6346

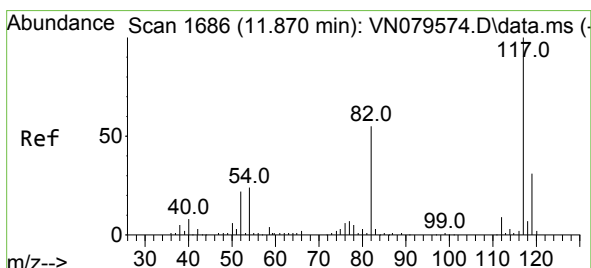
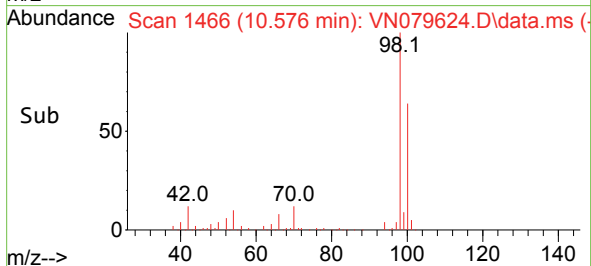
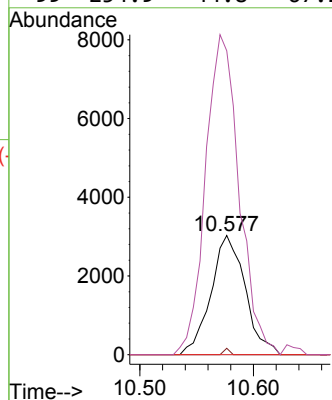
Ion Ratio Lower Upper

97 100

83 5.4 68.2 102.4#

85 0.0 42.9 64.3#

99 254.9 44.8 67.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN079624.D

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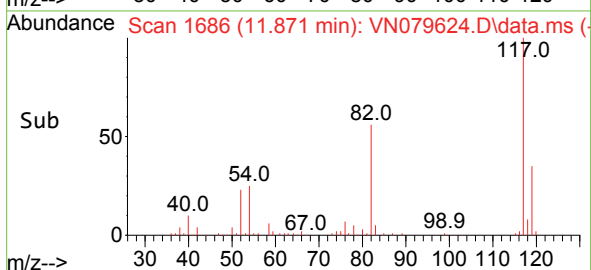
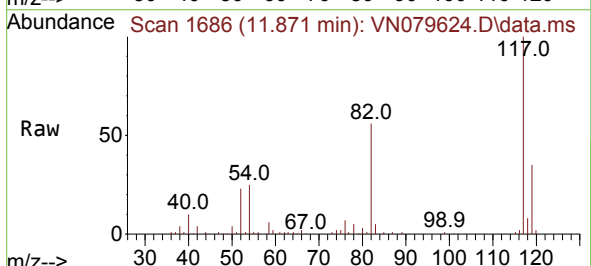
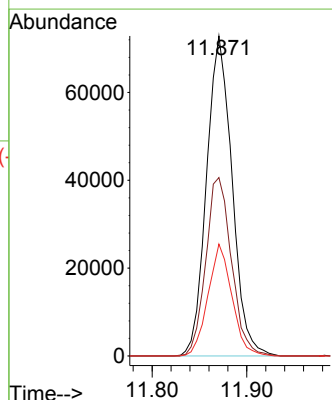
Tgt Ion: 117 Resp: 136649

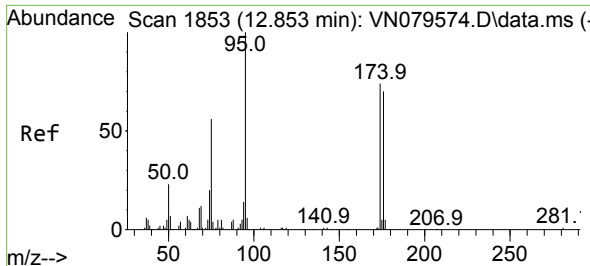
Ion Ratio Lower Upper

117 100

82 56.2 46.2 69.2

119 32.8 25.2 37.8

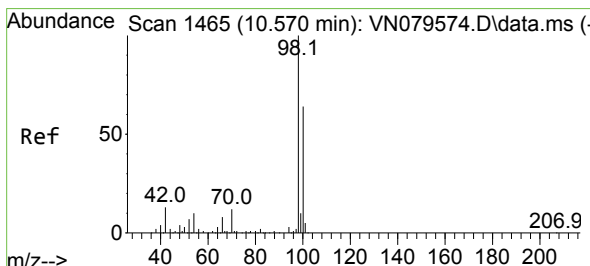
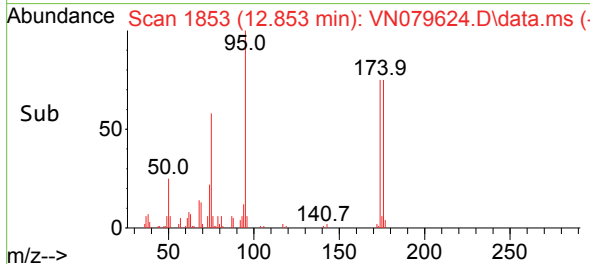
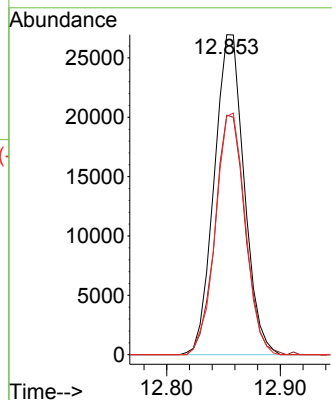
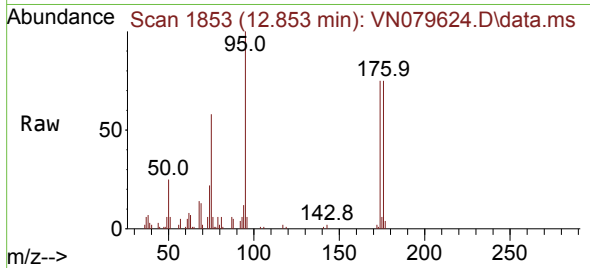




#60
4-Bromofluorobenzene
Concen: 19.783 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079624.D
Acq: 20 Oct 2023 13:29

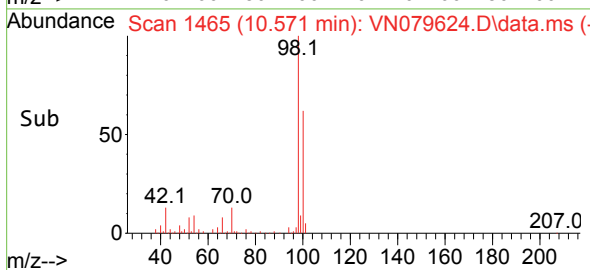
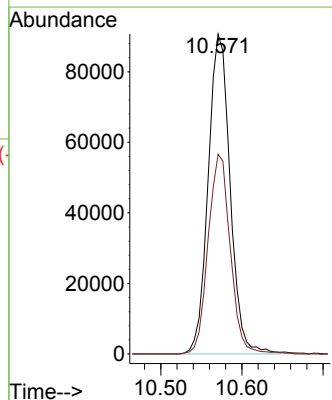
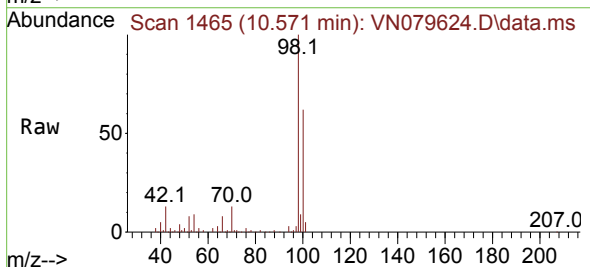
Instrument :
MSVOA_N
ClientSampleId :

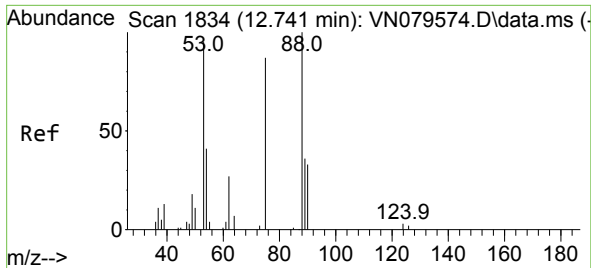
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.1	60.5	90.7
176	74.6	57.2	85.8



#63
Toluene-d8
Concen: 29.123 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079624.D
Acq: 20 Oct 2023 13:29

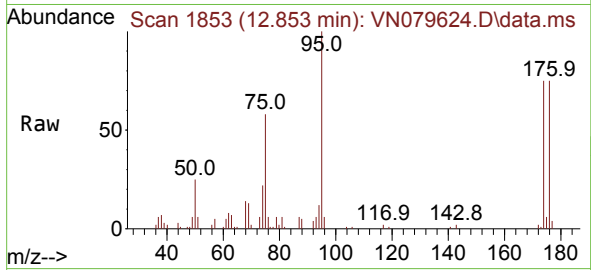
Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.6	77.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 29.190 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079624.D
 Acq: 20 Oct 2023 13:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 28088
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.0 159.1#
 89 0.0 22.6 67.7#

