

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
 Data File : VN079087.D
 Acq On : 29 Aug 2023 12:28
 Operator : JC\MD
 Sample : 04206-01DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 30 00:03:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 18 05:21:14 2023
 Response via : Initial Calibration

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

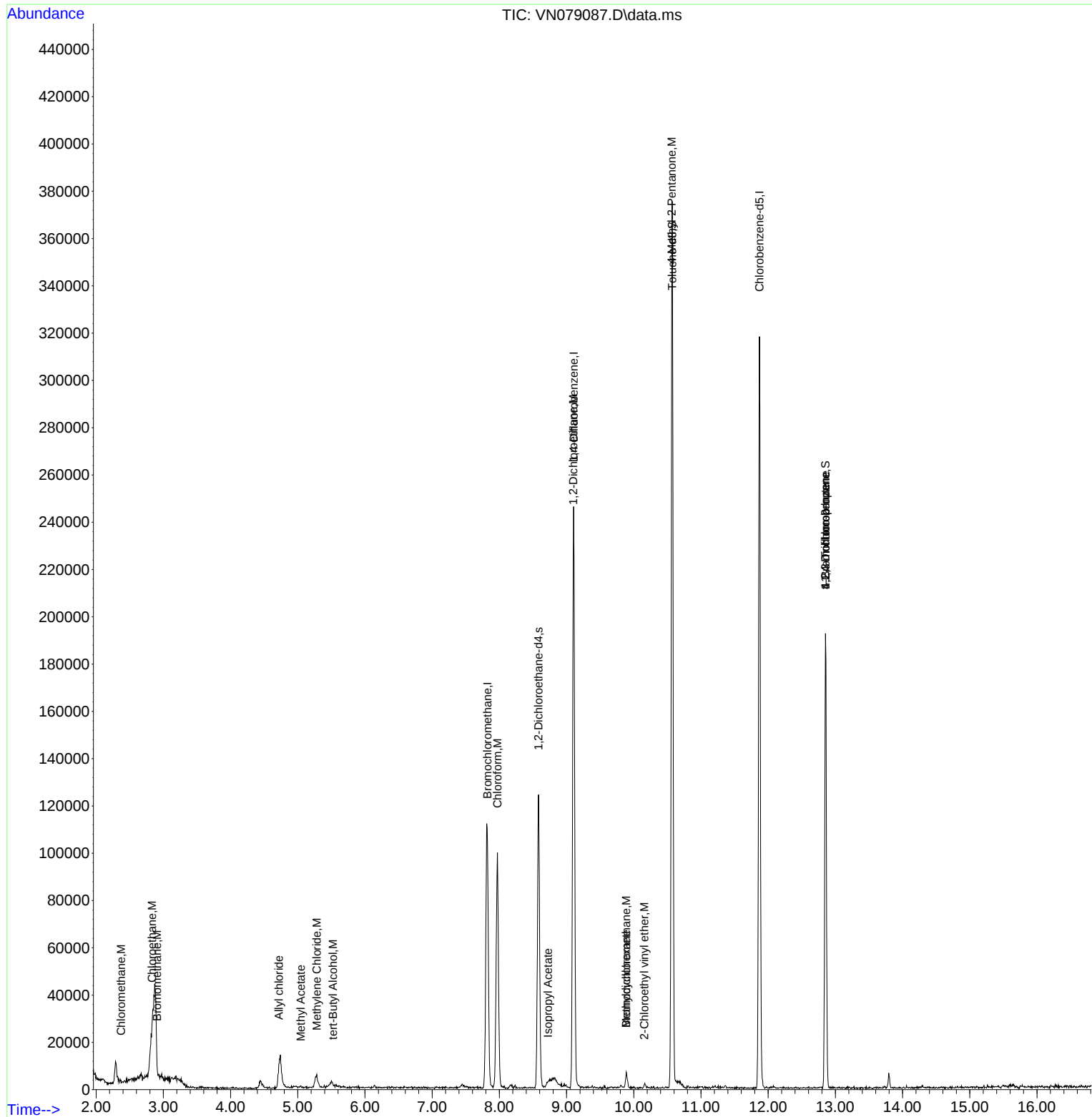
Internal Standards						
1) Bromochloromethane	7.824	128	37397	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	209335	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	179328	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	94514	31.196	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.000%
60) 4-Bromofluorobenzene	12.853	95	63167	24.147	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.500%
63) Toluene-d8	10.571	98	253816	30.308	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.033%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	570	0.202	ug/l #	44
5) Bromomethane	2.906	94	675	0.391	ug/l #	57
6) Chloroethane	2.830	64	435	0.239	ug/l	98
12) Methyl Acetate	5.047	43	964	0.208	ug/l #	90
17) Allyl chloride	4.718	41	772	0.213	ug/l	80
18) Methylene Chloride	5.283	84	3863	1.631	ug/l #	93
23) tert-Butyl Alcohol	5.524	59	347	0.762	ug/l #	100
25) Chloroform	7.971	83	88818	20.118	ug/l	98
36) 1,2-Dichloroethane	9.100	62	8048	2.252	ug/l #	73
38) Methylcyclohexane	9.888	83	4222	1.506	ug/l #	16
41) Bromodichloromethane	9.888	83	4222	1.218	ug/l	99
44) Isopropyl Acetate	8.724	43	2186	0.343	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.159	63	554	0.333	ug/l #	55
58) 4-Methyl-2-Pentanone	10.565	43	1084	0.305	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	35040	12.490	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	35040	33.610	ug/l #	3

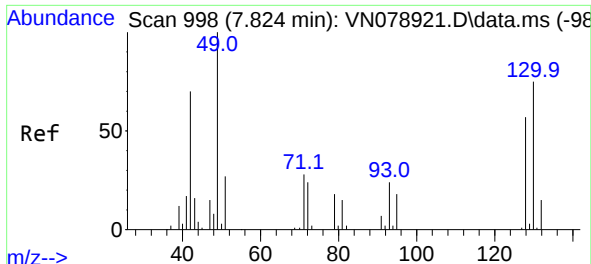
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082923\
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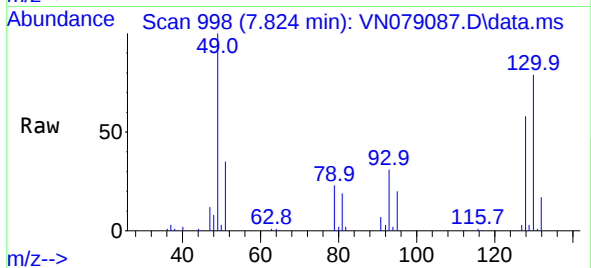
Quant Time: Aug 30 00:03:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N081723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 18 05:21:14 2023
Response via : Initial Calibration



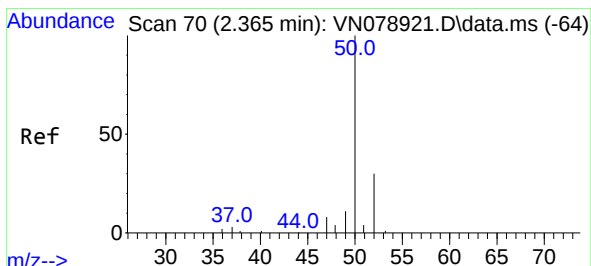
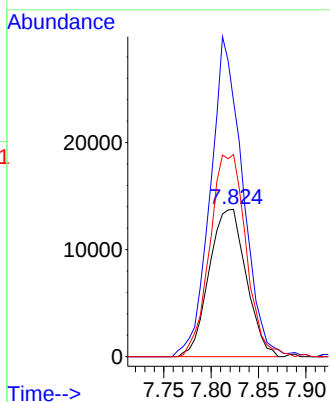
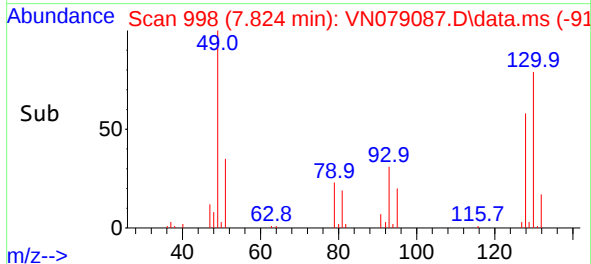


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Instrument :
MSVOA_N
ClientSampleId :

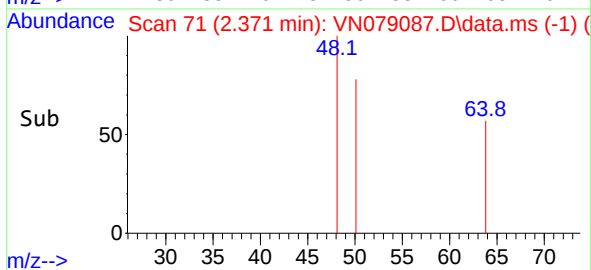
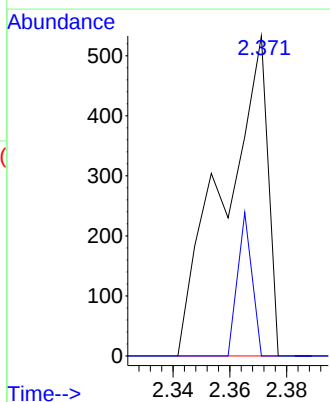
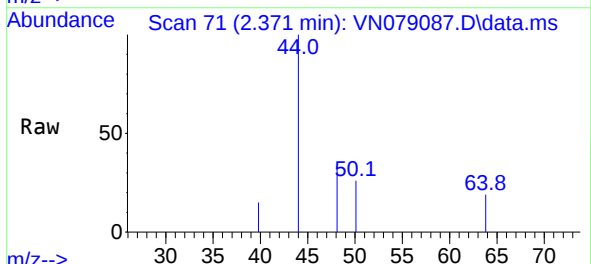


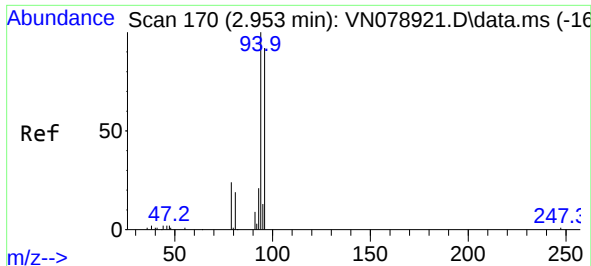
Tgt Ion:128 Resp: 37397
Ion Ratio Lower Upper
128 100
49 188.6 0.0 481.8
130 134.3 0.0 320.5



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 0.0 24.2 36.4#

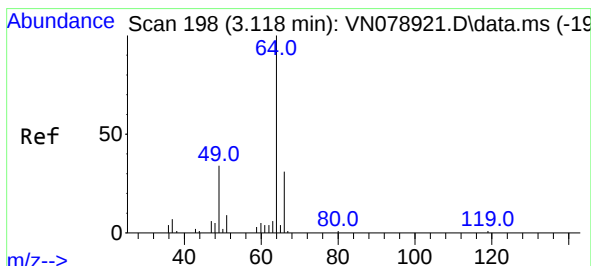
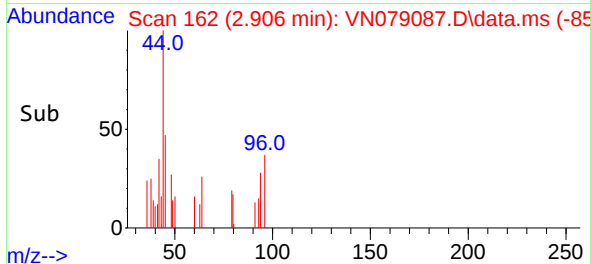
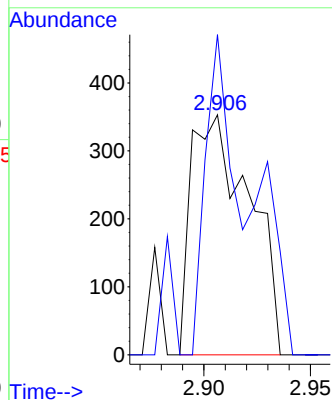
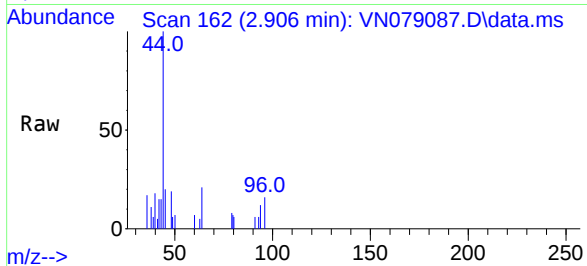




#5
Bromomethane
Concen: 0.391 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

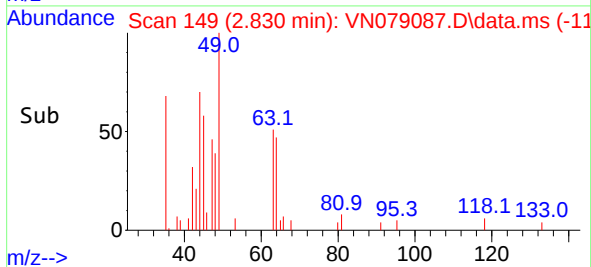
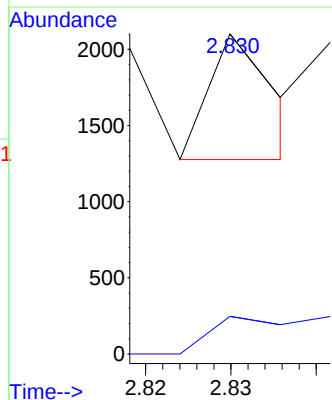
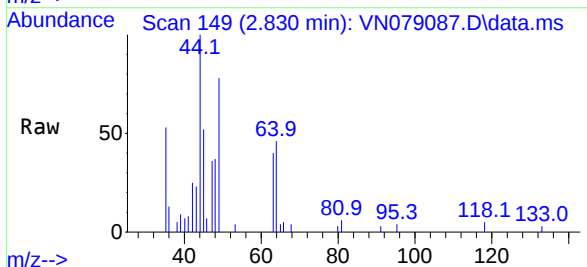
Instrument :
MSVOA_N
ClientSampleId :

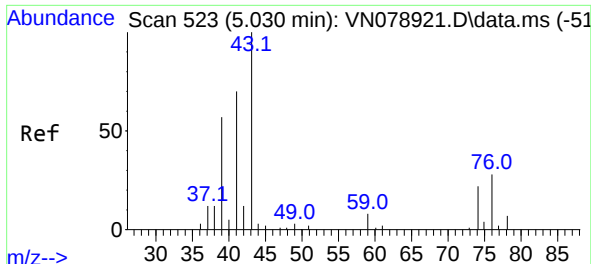
Tgt Ion: 94 Resp: 675
Ion Ratio Lower Upper
94 100
96 133.4 73.6 110.4#



#6
Chloroethane
Concen: 0.239 ug/l
RT: 2.830 min Scan# 149
Delta R.T. -0.288 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

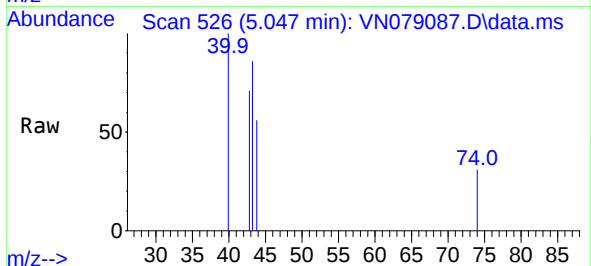
Tgt Ion: 64 Resp: 435
Ion Ratio Lower Upper
64 100
66 29.9 24.9 37.3



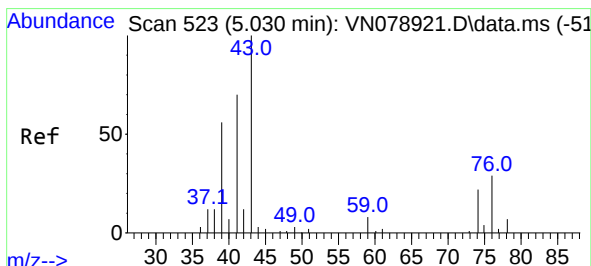
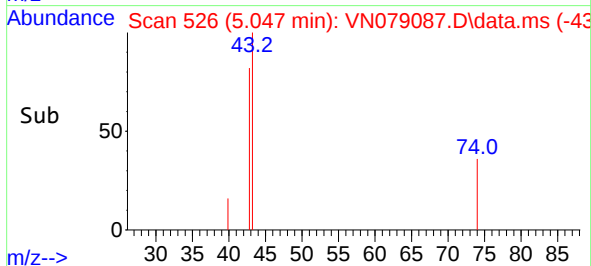
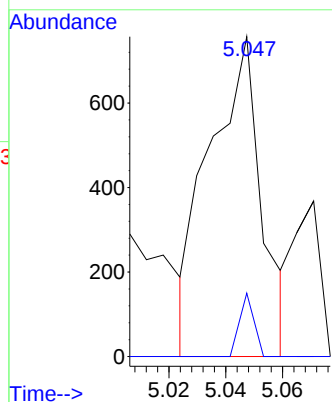


#12
Methyl Acetate
Concen: 0.208 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Instrument :
MSVOA_N
ClientSampleId :

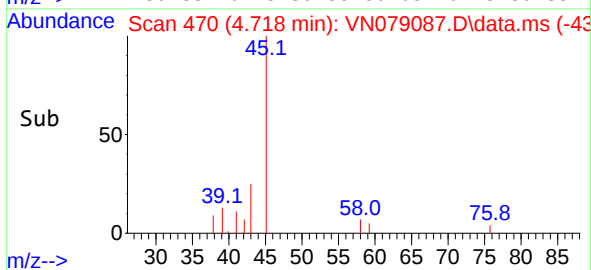
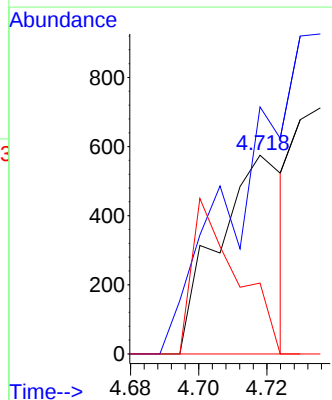
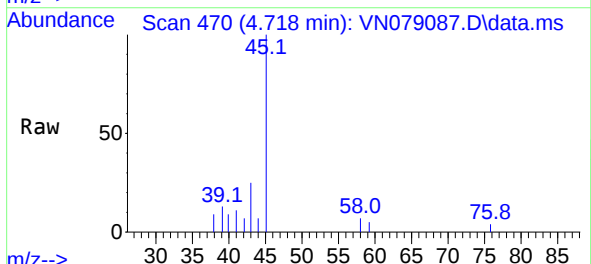


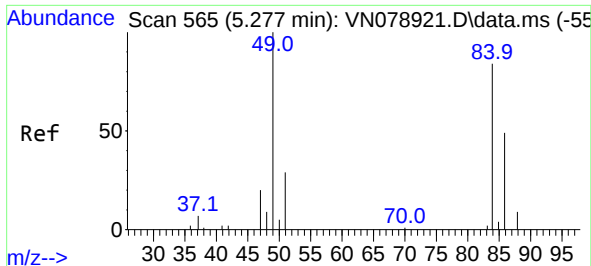
Tgt Ion: 43 Resp: 964
Ion Ratio Lower Upper
43 100
74 26.7 17.5 26.3#



#17
Allyl chloride
Concen: 0.213 ug/l
RT: 4.718 min Scan# 470
Delta R.T. -0.312 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

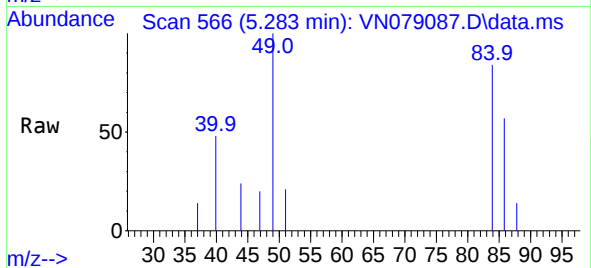
Tgt Ion: 41 Resp: 772
Ion Ratio Lower Upper
41 100
39 97.4 36.9 110.7
76 35.7 17.3 51.9



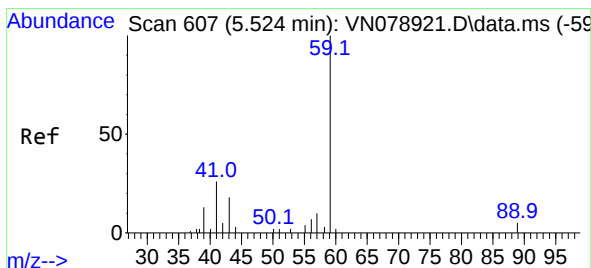
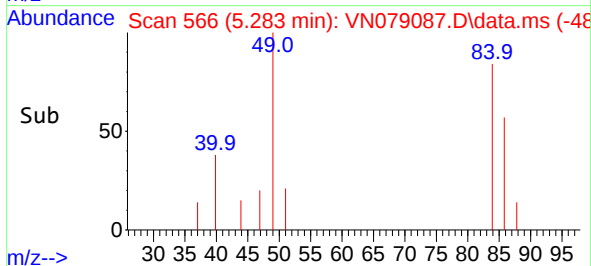
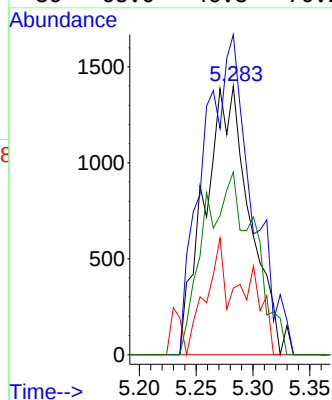


#18
Methylene Chloride
Concen: 1.631 ug/l
RT: 5.283 min Scan# 501
Delta R.T. 0.006 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Instrument :
MSVOA_N
ClientSampleId :

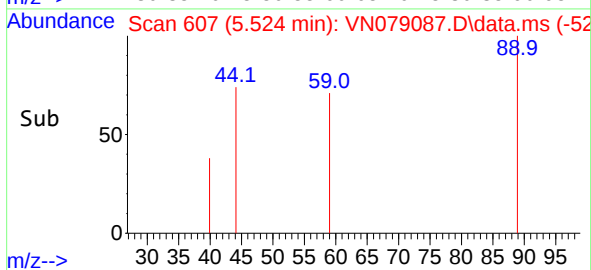
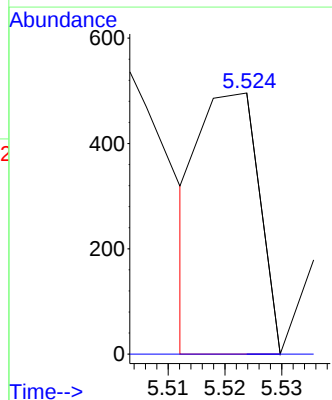
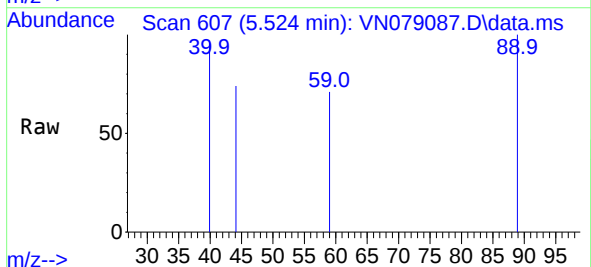


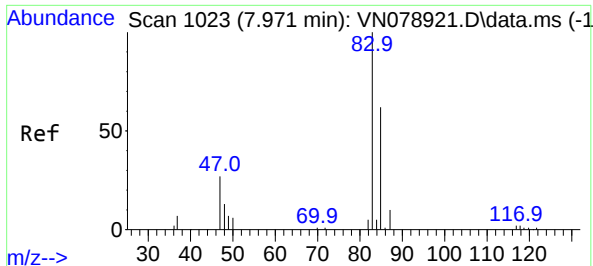
Tgt Ion: 84 Resp: 3863
Ion Ratio Lower Upper
84 100
49 119.1 95.8 143.6
51 24.8 28.6 43.0#
86 68.0 46.8 70.2



#23
tert-Butyl Alcohol
Concen: 0.762 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Tgt Ion: 59 Resp: 347
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

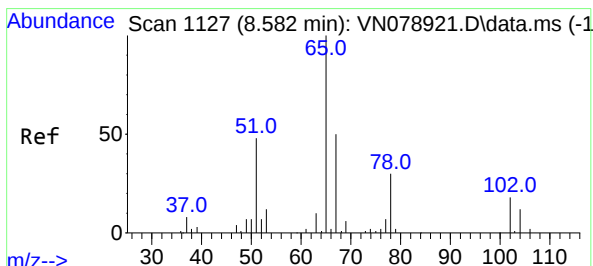
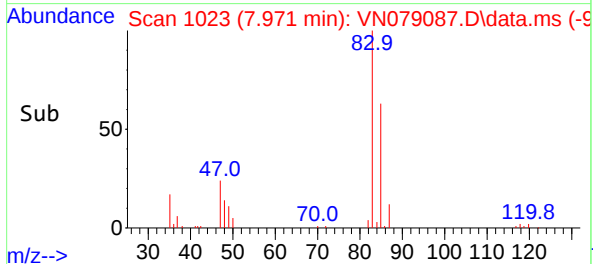
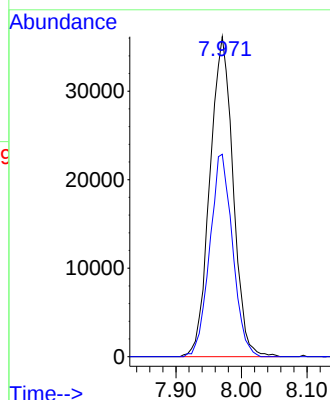
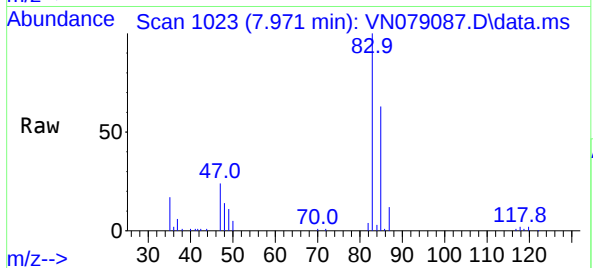




#25
Chloroform
Concen: 20.118 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.000 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

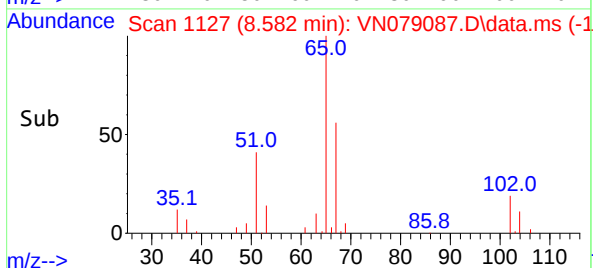
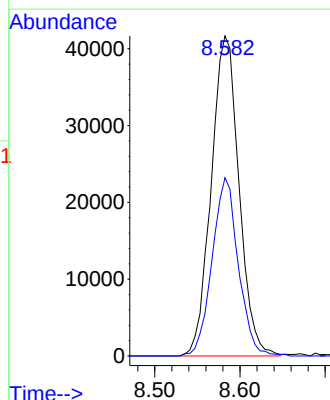
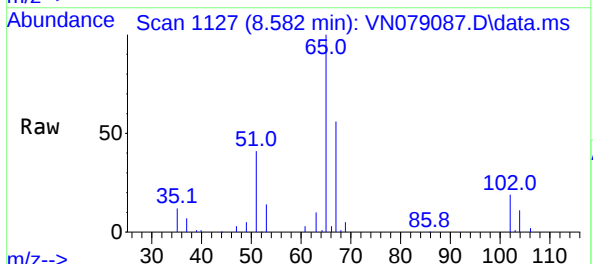
Instrument :
MSVOA_N
ClientSampleId :

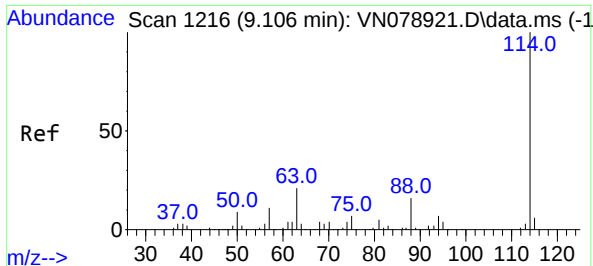
Tgt Ion: 83 Resp: 88818
Ion Ratio Lower Upper
83 100
85 63.2 49.6 74.4



#27
1,2-Dichloroethane-d4
Concen: 31.196 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Tgt Ion: 65 Resp: 94514
Ion Ratio Lower Upper
65 100
67 52.5 40.7 61.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN079087.D

Acq: 29 Aug 2023 12:28

Instrument :

MSVOA_N

ClientSampleId :

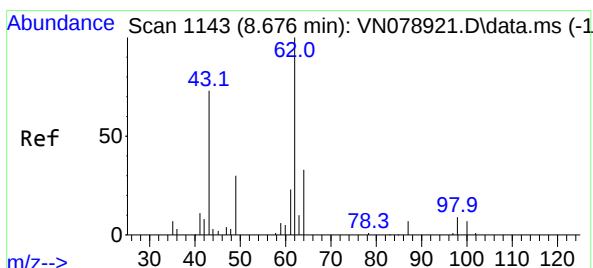
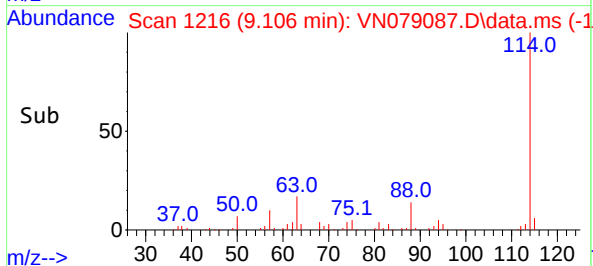
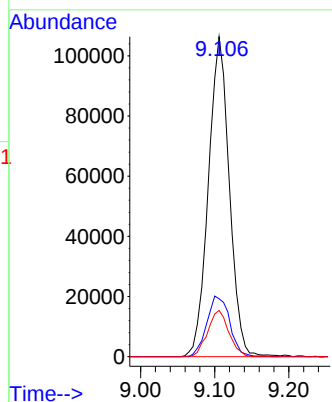
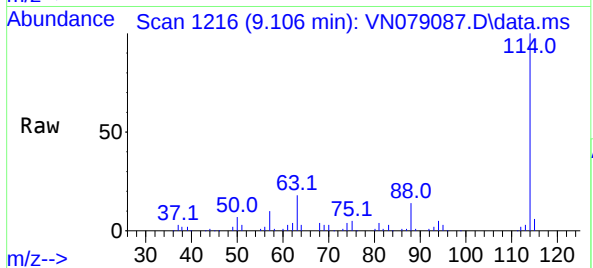
Tgt Ion:114 Resp: 209335

Ion Ratio Lower Upper

114 100

63 20.6 17.4 26.2

88 14.6 12.0 18.0



#36

1,2-Dichloroethane

Concen: 2.252 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.424 min

Lab File: VN079087.D

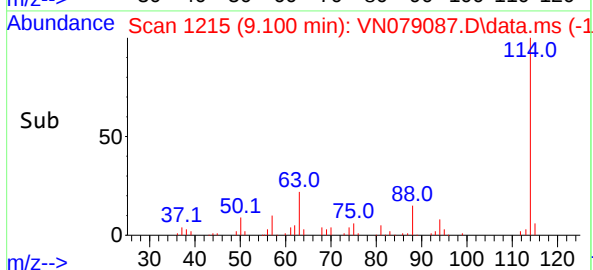
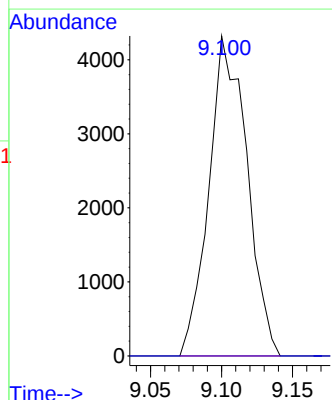
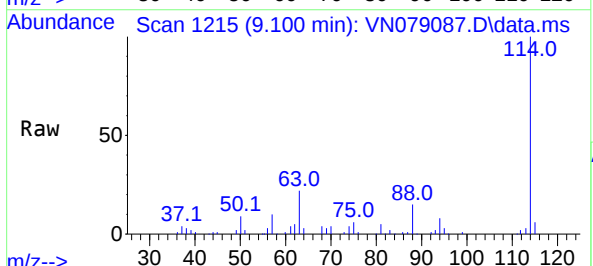
Acq: 29 Aug 2023 12:28

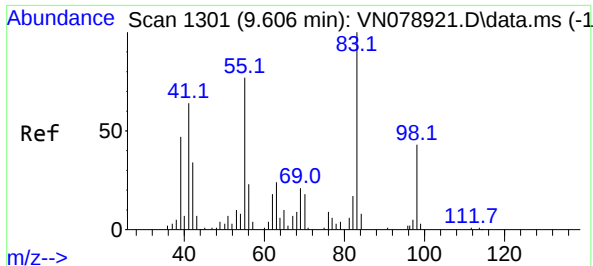
Tgt Ion: 62 Resp: 8048

Ion Ratio Lower Upper

62 100

98 0.0 8.1 12.1#





#38

Methylcyclohexane

Concen: 1.506 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.282 min

Lab File: VN079087.D

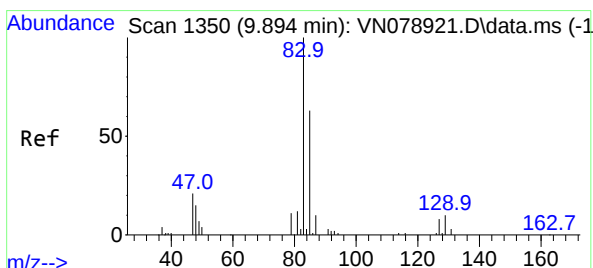
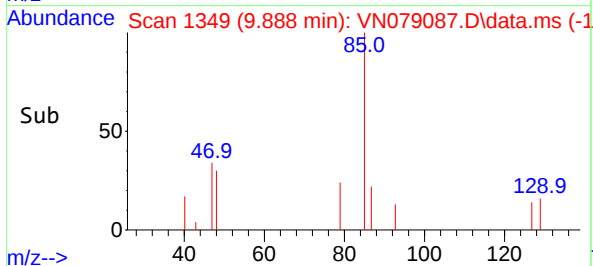
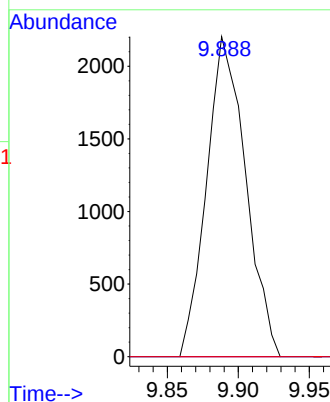
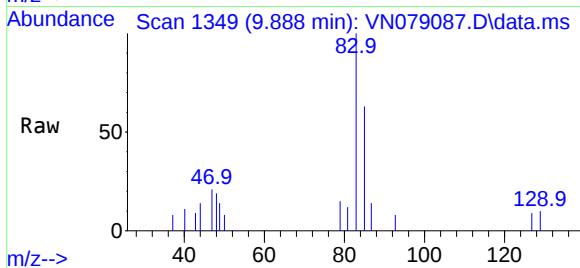
Acq: 29 Aug 2023 12:28

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	83	Resp:	4222
Ion	Ratio	Lower	Upper
83	100		
55	0.0	40.2	120.6#
98	0.0	24.1	72.3#



#41

Bromodichloromethane

Concen: 1.218 ug/l

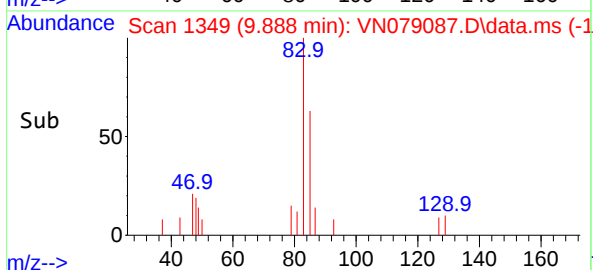
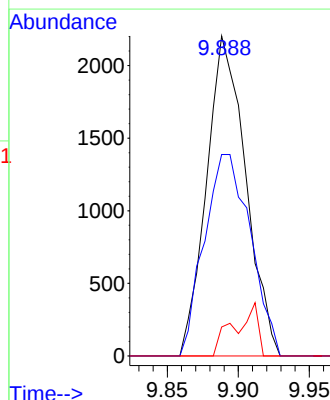
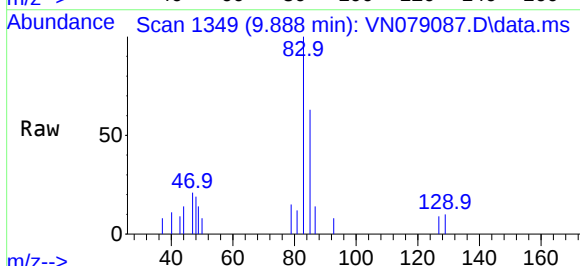
RT: 9.888 min Scan# 1349

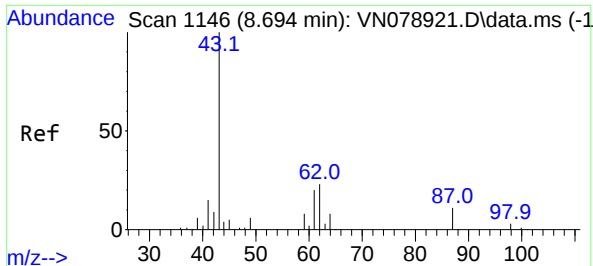
Delta R.T. -0.006 min

Lab File: VN079087.D

Acq: 29 Aug 2023 12:28

Tgt Ion:	83	Resp:	4222
Ion	Ratio	Lower	Upper
83	100		
85	62.9	50.2	75.2
127	9.1	6.2	9.4





#44

Isopropyl Acetate

Concen: 0.343 ug/l

RT: 8.724 min Scan# 1151

Delta R.T. 0.030 min

Lab File: VN079087.D

Acq: 29 Aug 2023 12:28

Instrument :

MSVOA_N

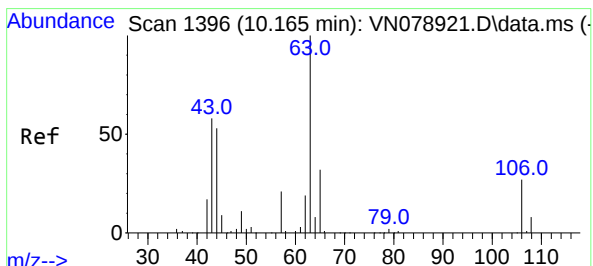
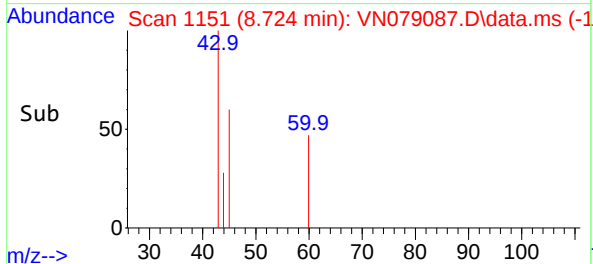
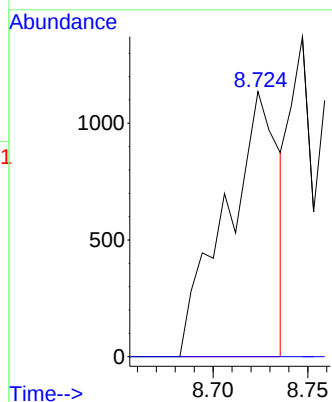
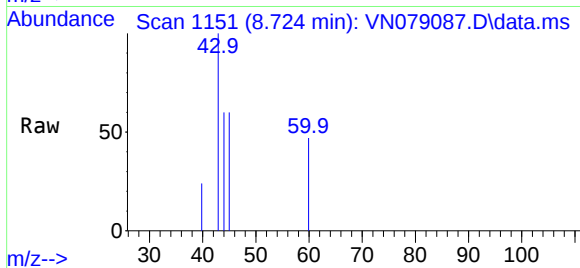
ClientSampleId :

Tgt Ion: 43 Resp: 2186

Ion Ratio Lower Upper

43 100

61 88.3 19.0 28.4#



#55

2-Chloroethyl vinyl ether

Concen: 0.333 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.006 min

Lab File: VN079087.D

Acq: 29 Aug 2023 12:28

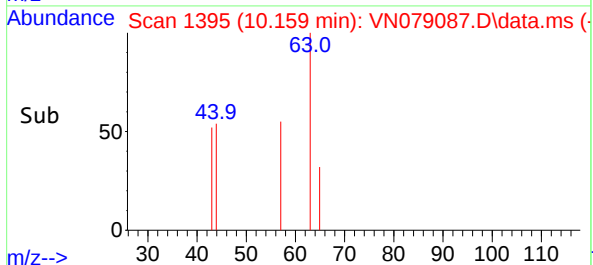
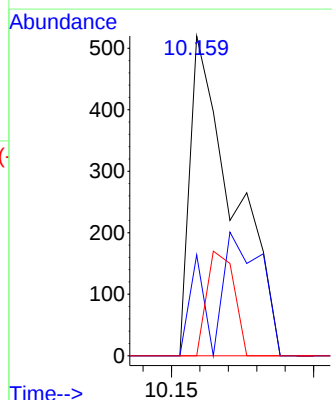
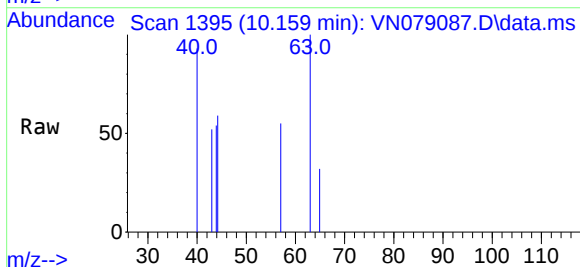
Tgt Ion: 63 Resp: 554

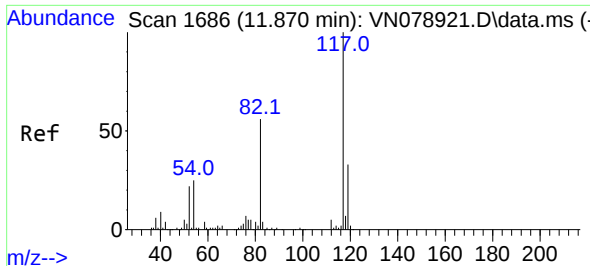
Ion Ratio Lower Upper

63 100

65 10.5 25.4 38.2#

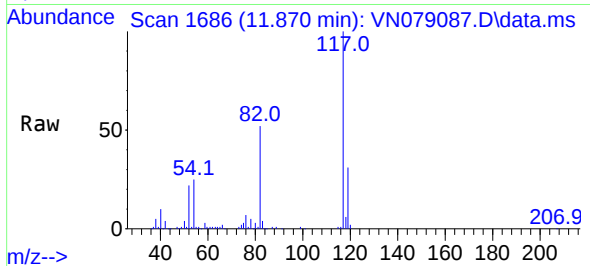
106 0.0 22.3 33.5#



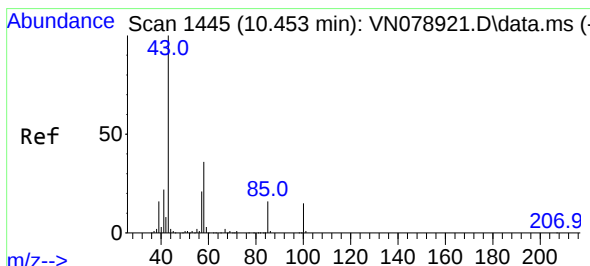
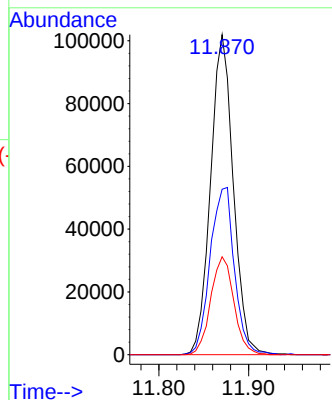
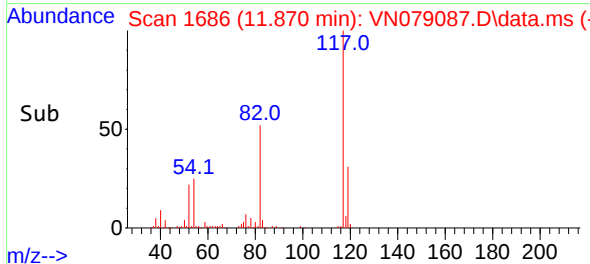


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Instrument :
MSVOA_N
ClientSampleId :

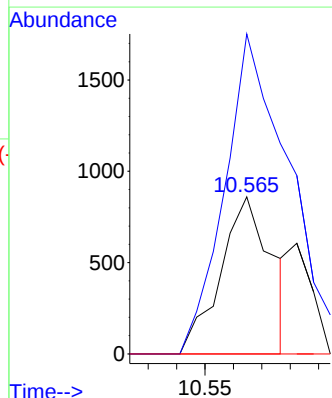
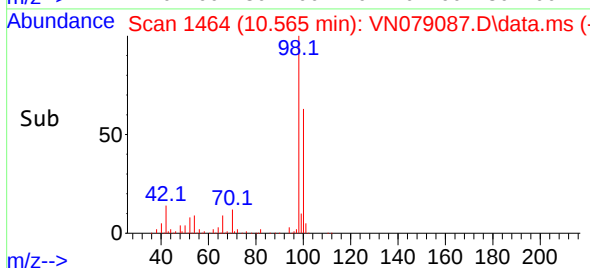
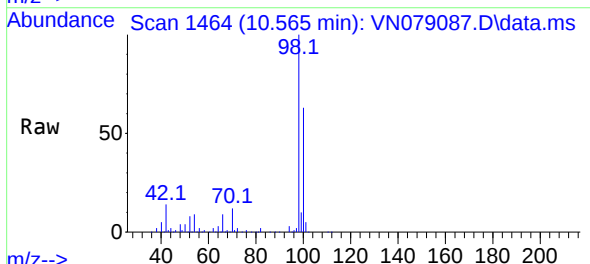


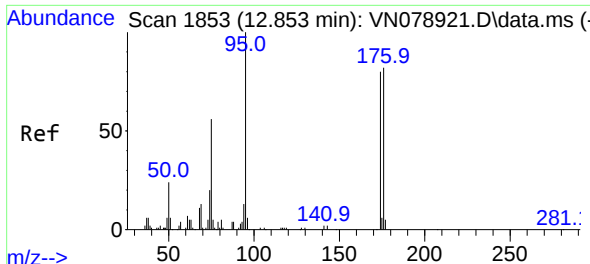
Tgt Ion:117 Resp: 179328
Ion Ratio Lower Upper
117 100
82 55.9 43.4 65.0
119 31.2 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 0.305 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.112 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Tgt Ion: 43 Resp: 1084
Ion Ratio Lower Upper
43 100
58 252.4 28.8 43.2#
85 0.0 12.7 19.1#

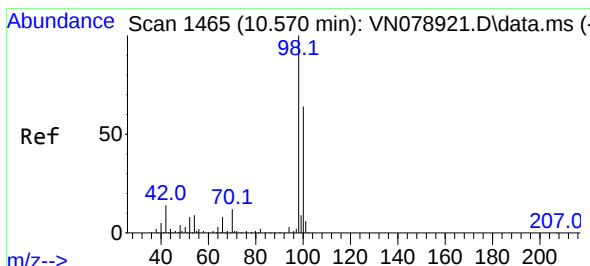
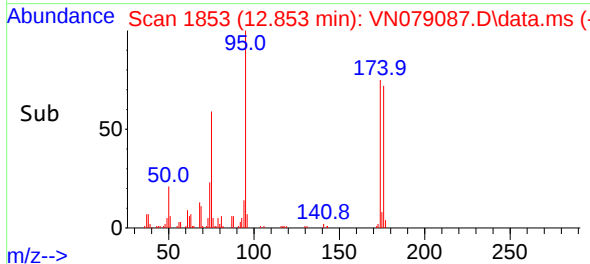
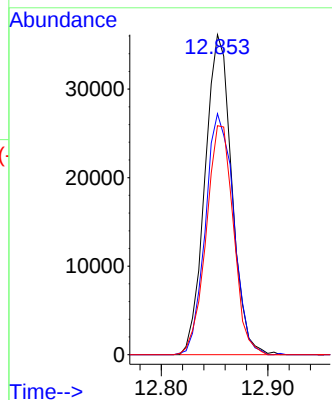
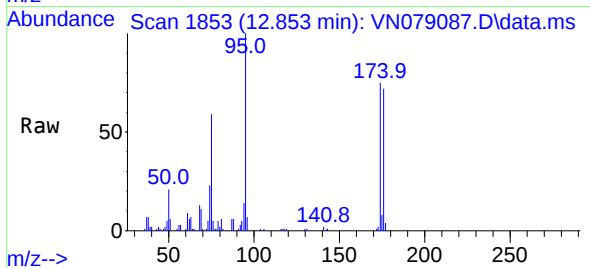




#60
4-Bromofluorobenzene
Concen: 24.147 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

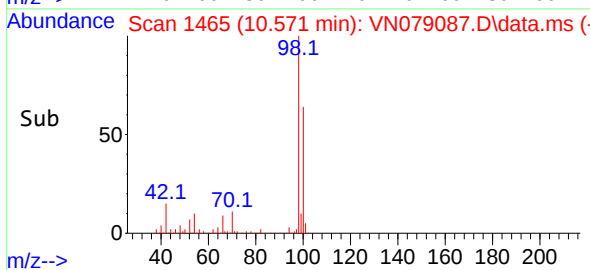
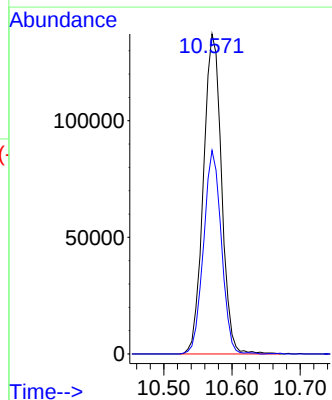
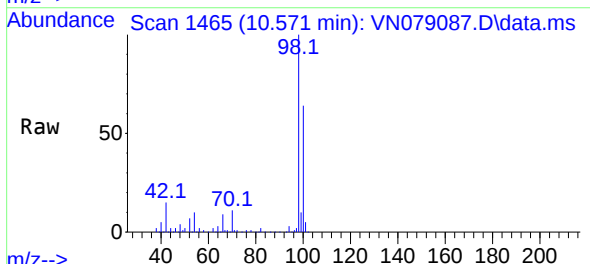
Instrument :
MSVOA_N
ClientSampleId :

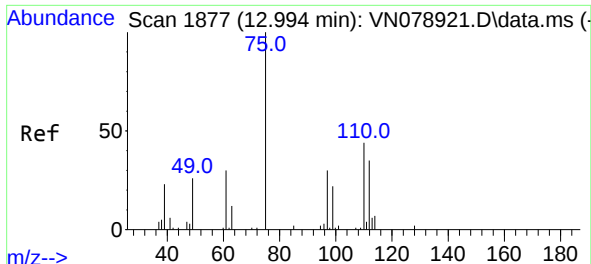
Tgt Ion: 95 Resp: 63167
Ion Ratio Lower Upper
95 100
174 79.3 64.8 97.2
176 72.9 63.0 94.6



#63
Toluene-d8
Concen: 30.308 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Tgt Ion: 98 Resp: 253816
Ion Ratio Lower Upper
98 100
100 62.1 51.1 76.7

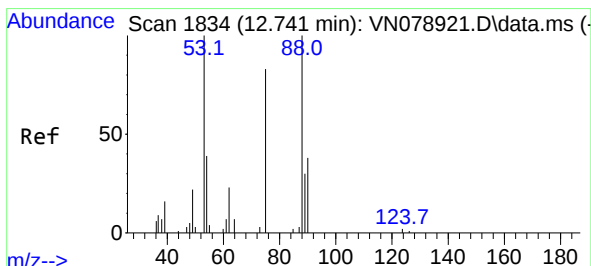
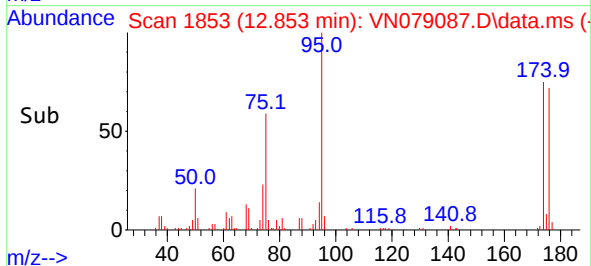
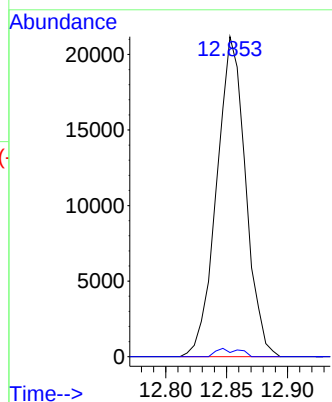
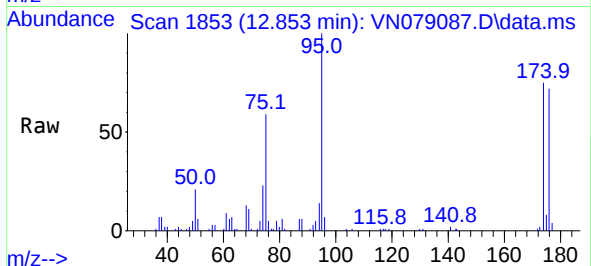




#72
1,2,3-Trichloropropane
Concen: 12.490 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 35040
Ion Ratio Lower Upper
75 100
77 0.9 0.0 367.4



#77
t-1,4-Dichloro-2-butene
Concen: 33.610 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079087.D
Acq: 29 Aug 2023 12:28

Tgt Ion: 75 Resp: 35040
Ion Ratio Lower Upper
75 100
53 0.0 60.1 180.3#
89 0.0 22.9 68.8#

