

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
 Data File : VN081979.D
 Acq On : 02 May 2024 16:06
 Operator : JC\MD
 Sample : P2360-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 00:12:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 27 04:37:27 2024
 Response via : Initial Calibration

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

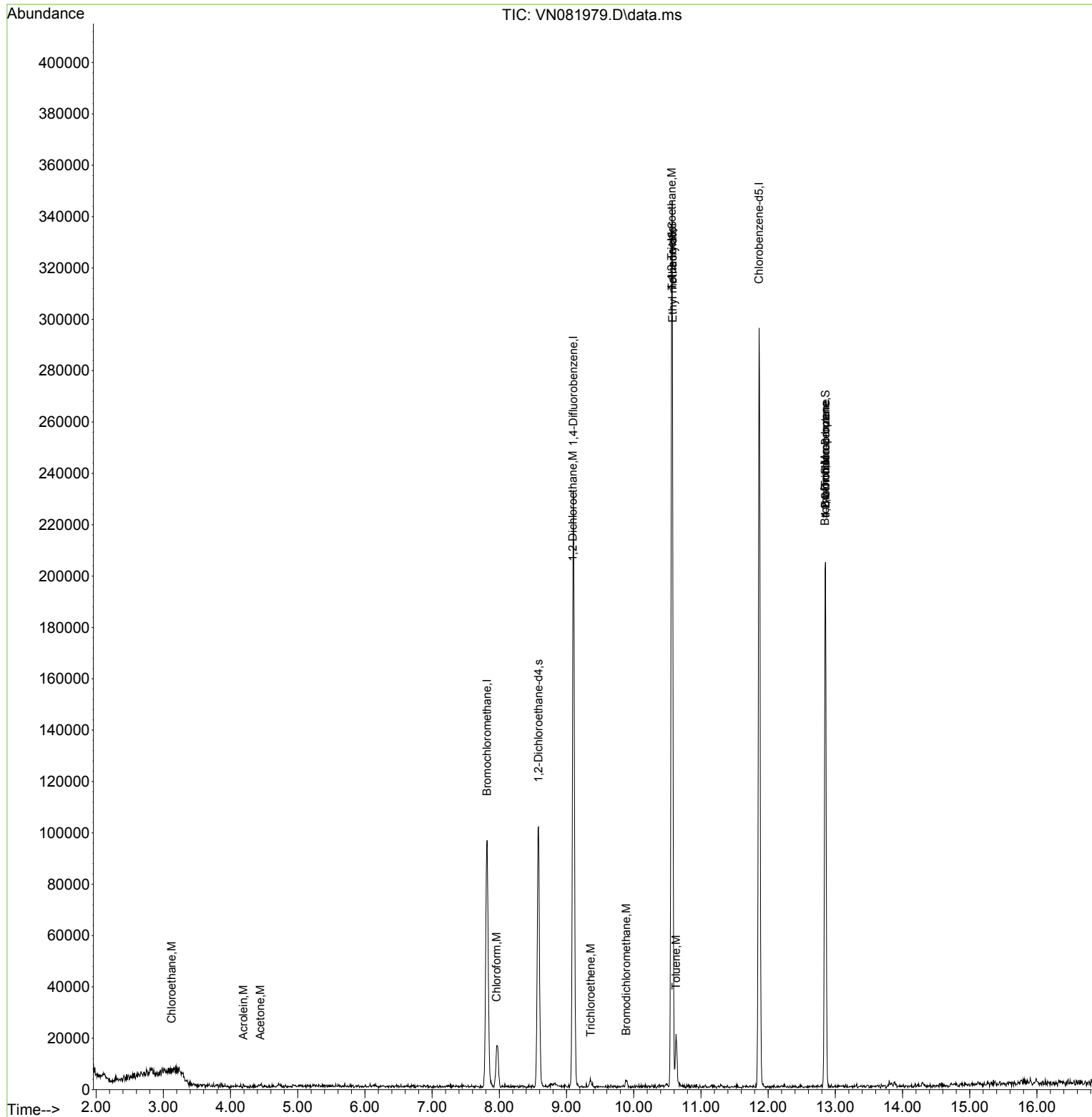
Internal Standards						
1) Bromochloromethane	7.818	128	29968	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	187887	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	158476	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	80221	31.972	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.567%
60) 4-Bromofluorobenzene	12.853	95	72009	27.303	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.000%
63) Toluene-d8	10.571	98	234912	31.213	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.033%
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	712	0.675	ug/l #	41
13) Acrolein	4.189	56	154	0.316	ug/l #	74
15) Acetone	4.442	58	351	1.499	ug/l #	10
25) Chloroform	7.959	83	8311	2.296	ug/l	95
36) 1,2-Dichloroethane	9.094	62	7943	2.652	ug/l #	72
37) Trichloroethene	9.359	130	1199	0.549	ug/l	85
41) Bromodichloromethane	9.888	83	2381	0.757	ug/l #	84
50) 1,1,2-Trichloroethane	10.565	97	6966	3.491	ug/l #	1
51) Ethyl methacrylate	10.577	69	929	0.247	ug/l #	67
56) Bromoform	12.847	173	285	0.216	ug/l #	1
62) Toluene	10.630	91	14280	1.601	ug/l	95
72) 1,2,3-Trichloropropane	12.853	75	39260	16.026	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	39260	36.005	ug/l #	12

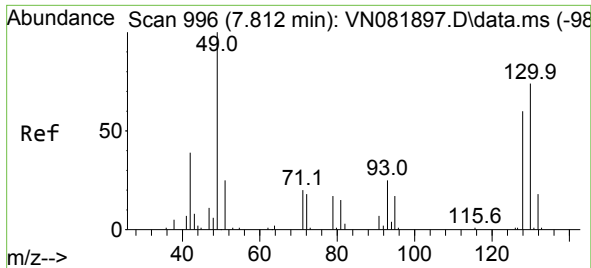
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050224\
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MSVOA_N
ClientSampleId :

Quant Time: May 03 00:12:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N042624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 27 04:37:27 2024
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.818 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN081979.D

Acq: 02 May 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :

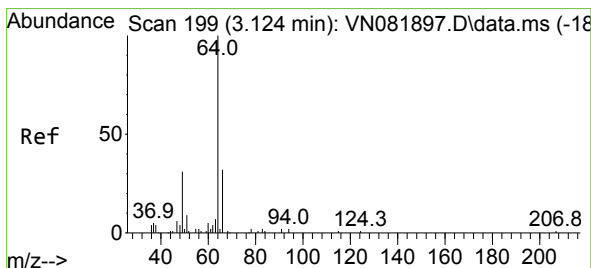
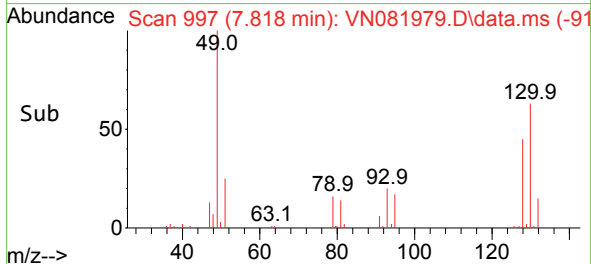
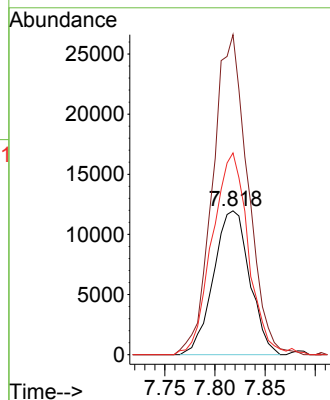
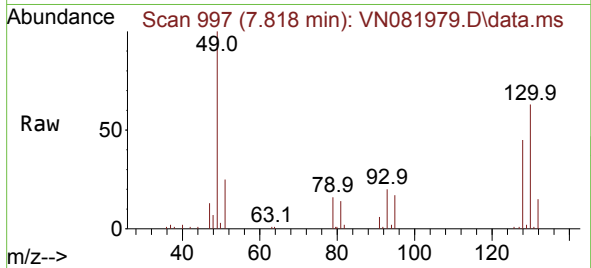
Tgt Ion:128 Resp: 29968

Ion Ratio Lower Upper

128 100

49 216.5 0.0 403.7

130 139.7 0.0 323.3



#6

Chloroethane

Concen: 0.675 ug/l

RT: 3.124 min Scan# 199

Delta R.T. -0.000 min

Lab File: VN081979.D

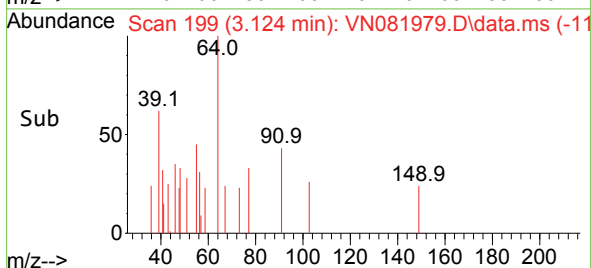
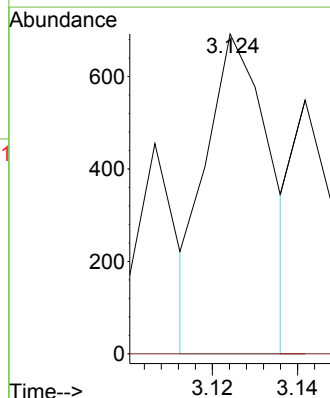
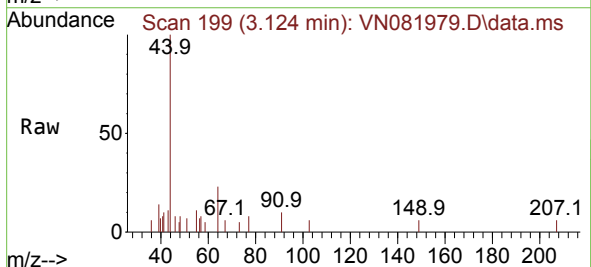
Acq: 02 May 2024 16:06

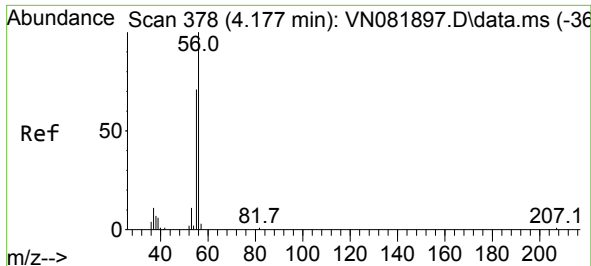
Tgt Ion: 64 Resp: 712

Ion Ratio Lower Upper

64 100

66 0.0 26.7 40.1#

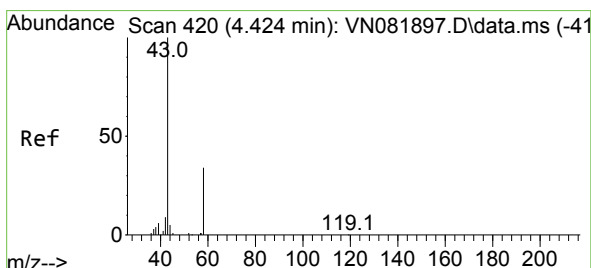
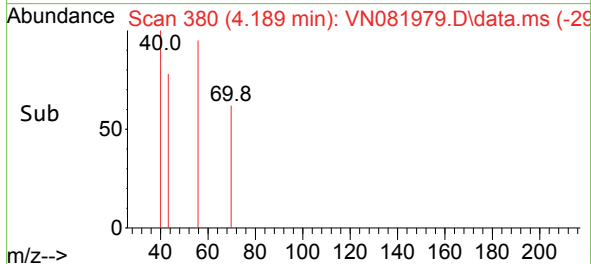
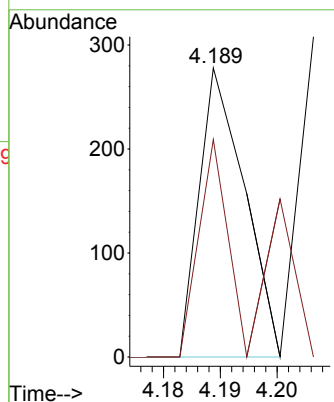
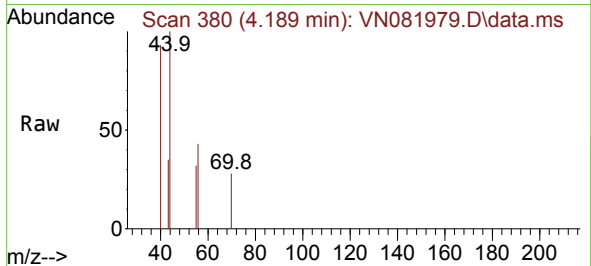




#13
Acrolein
Concen: 0.316 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

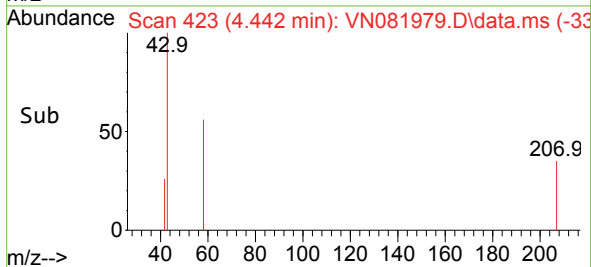
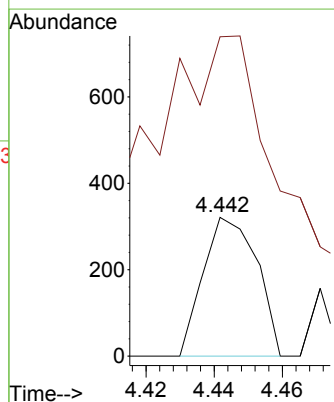
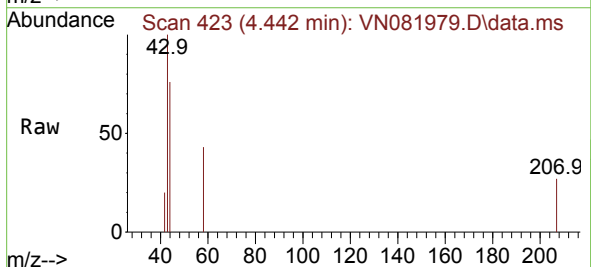
Instrument :
MSVOA_N
ClientSampleId :

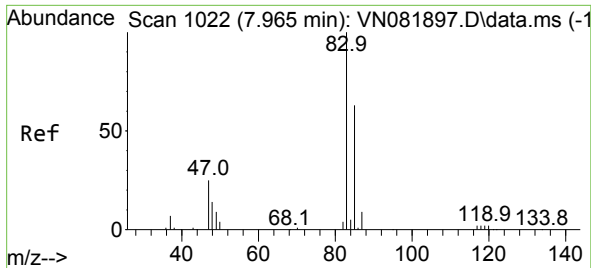
Tgt Ion: 56 Resp: 154
Ion Ratio Lower Upper
56 100
55 48.1 55.5 83.3#



#15
Acetone
Concen: 1.499 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.018 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

Tgt Ion: 58 Resp: 351
Ion Ratio Lower Upper
58 100
43 111.2 223.1 334.7#

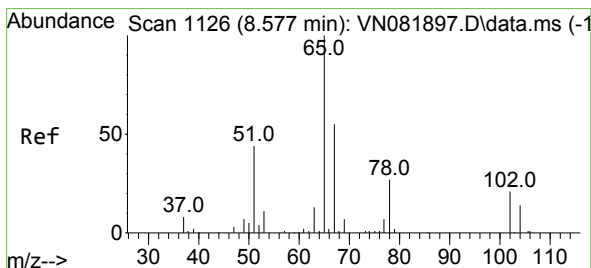
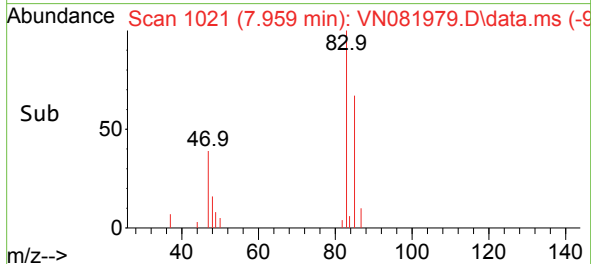
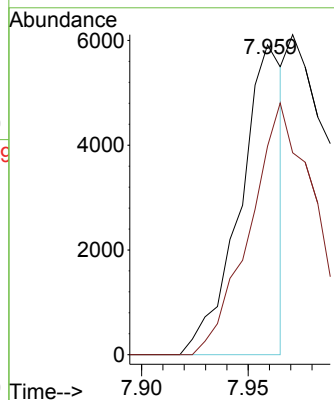
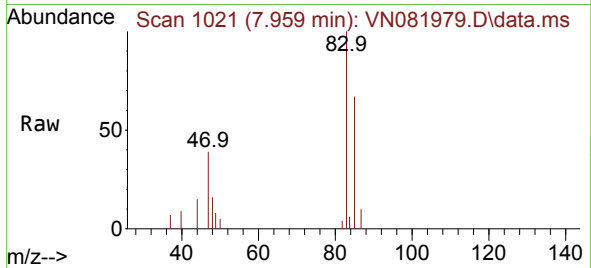




#25
Chloroform
Concen: 2.296 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.006 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

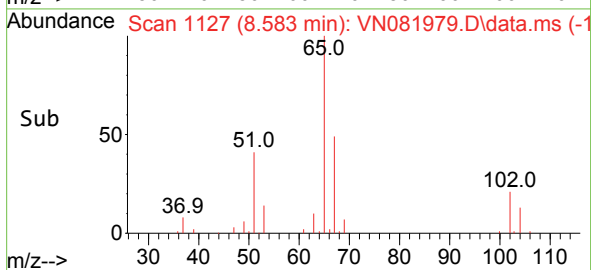
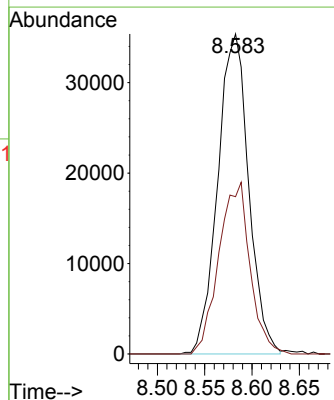
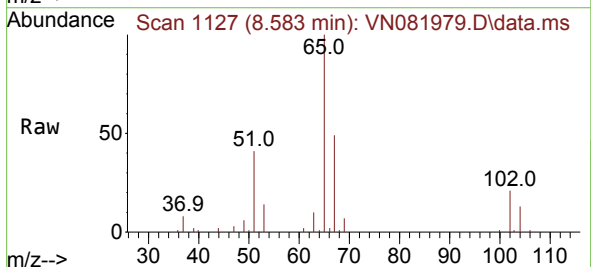
Instrument :
MSVOA_N
ClientSampleId :

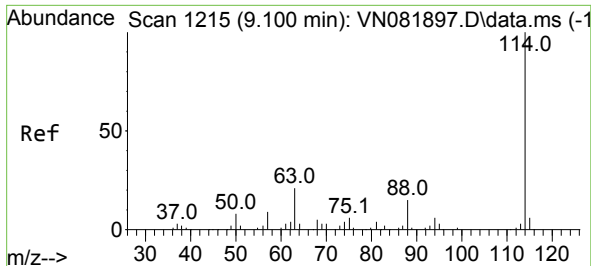
Tgt Ion: 83 Resp: 8311
Ion Ratio Lower Upper
83 100
85 67.3 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 31.972 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

Tgt Ion: 65 Resp: 80221
Ion Ratio Lower Upper
65 100
67 54.1 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN081979.D

Acq: 02 May 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :

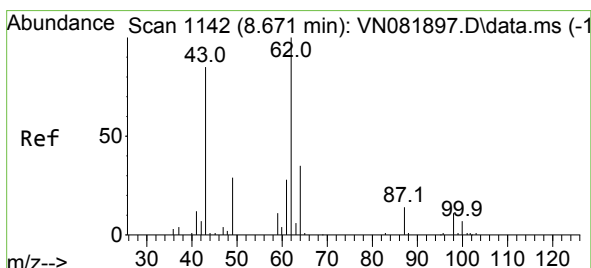
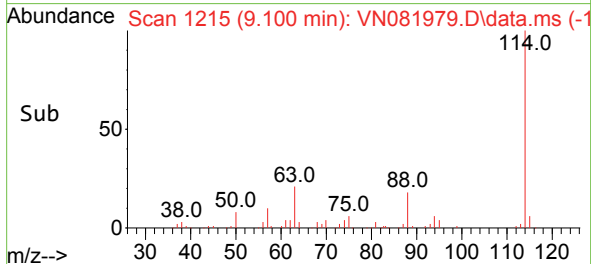
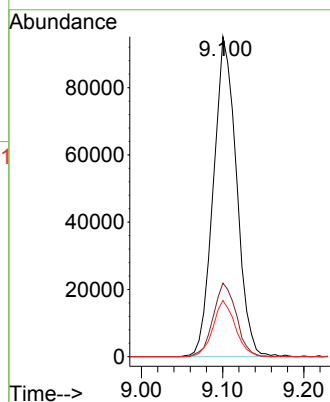
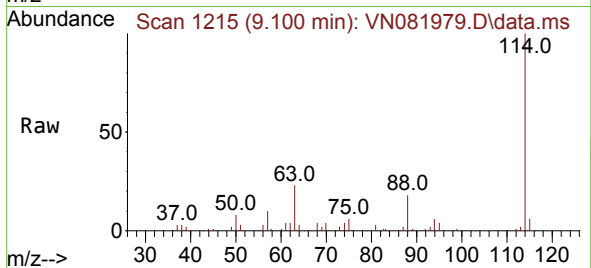
Tgt Ion:114 Resp: 187887

Ion Ratio Lower Upper

114 100

63 23.0 15.9 23.9

88 17.0 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.652 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. 0.423 min

Lab File: VN081979.D

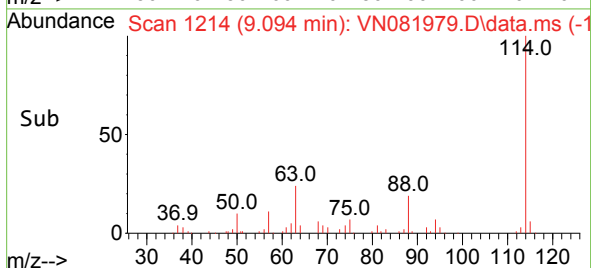
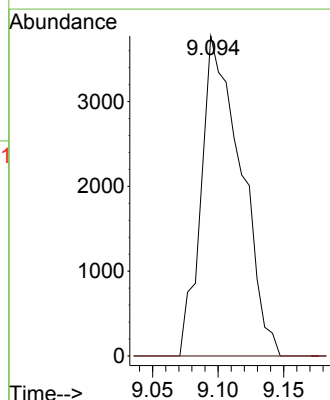
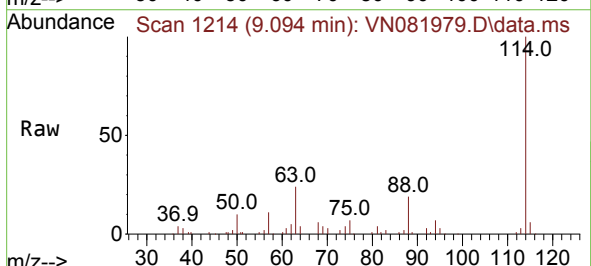
Acq: 02 May 2024 16:06

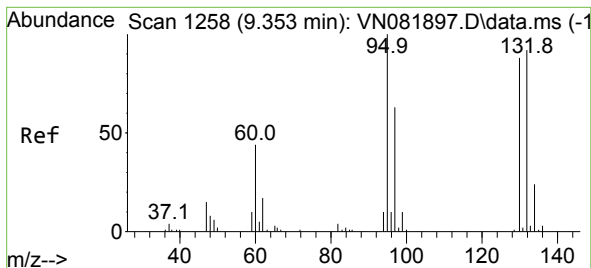
Tgt Ion: 62 Resp: 7943

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#





#37

Trichloroethene

Concen: 0.549 ug/l

RT: 9.359 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081979.D

Acq: 02 May 2024 16:06

Instrument :

MSVOA_N

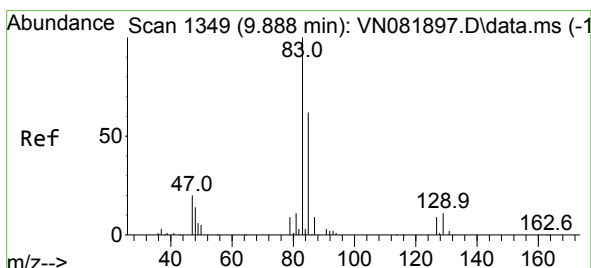
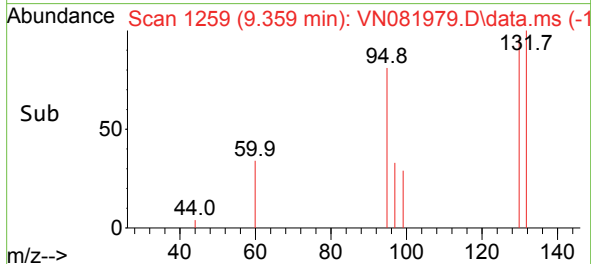
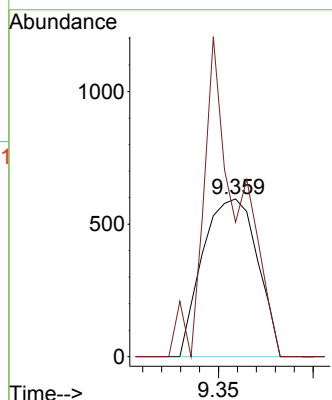
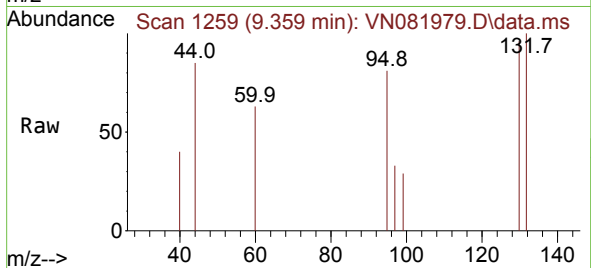
ClientSampleId :

Tgt Ion:130 Resp: 1199

Ion Ratio Lower Upper

130 100

95 85.2 80.2 120.4



#41

Bromodichloromethane

Concen: 0.757 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.000 min

Lab File: VN081979.D

Acq: 02 May 2024 16:06

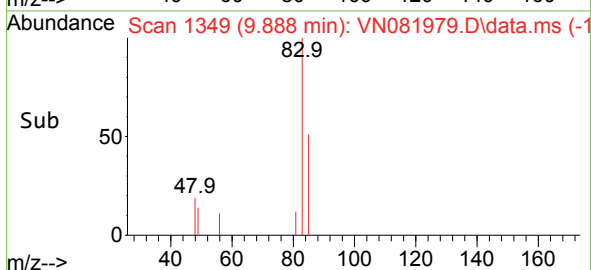
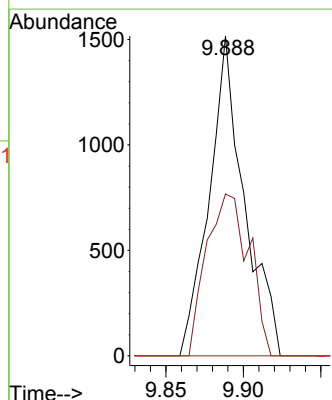
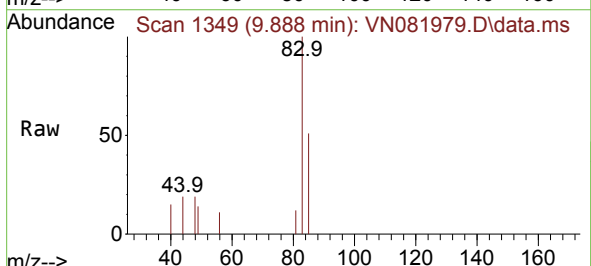
Tgt Ion: 83 Resp: 2381

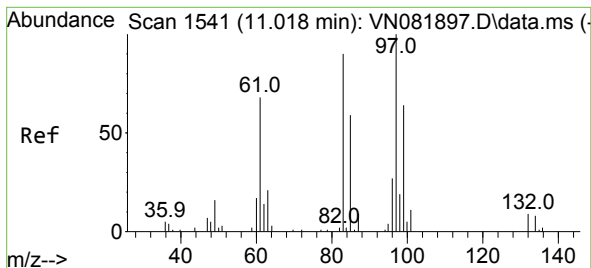
Ion Ratio Lower Upper

83 100

85 50.6 49.4 74.2

127 0.0 7.3 10.9#





#50

1,1,2-Trichloroethane

Concen: 3.491 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.453 min

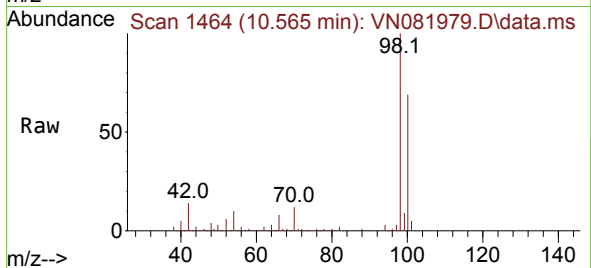
Lab File: VN081979.D

Acq: 02 May 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 6966

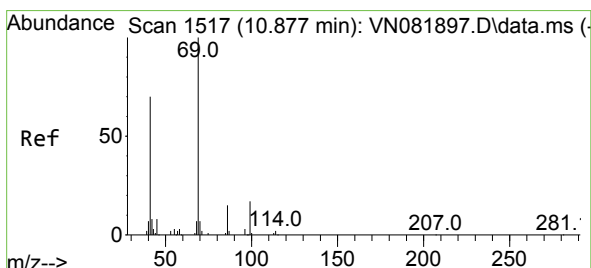
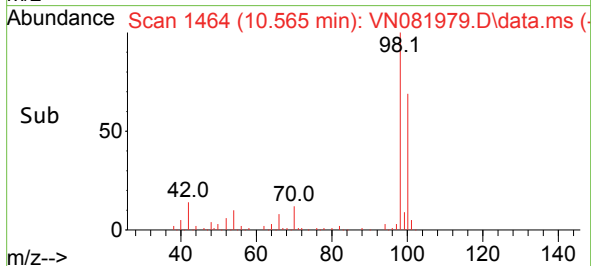
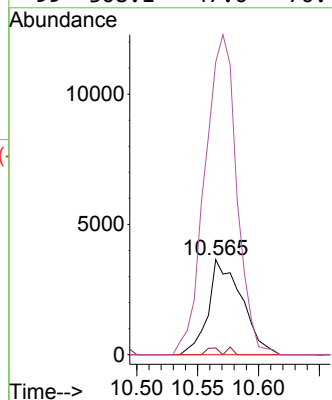
Ion Ratio Lower Upper

97 100

83 7.1 68.1 102.1#

85 0.0 41.8 62.6#

99 308.1 47.0 70.4#



#51

Ethyl methacrylate

Concen: 0.247 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.300 min

Lab File: VN081979.D

Acq: 02 May 2024 16:06

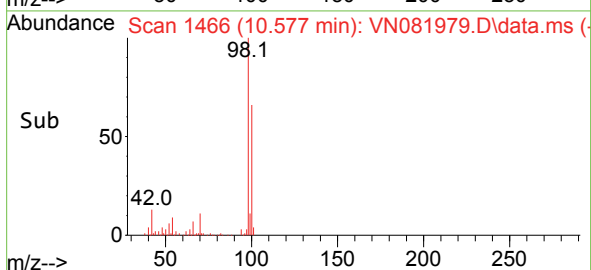
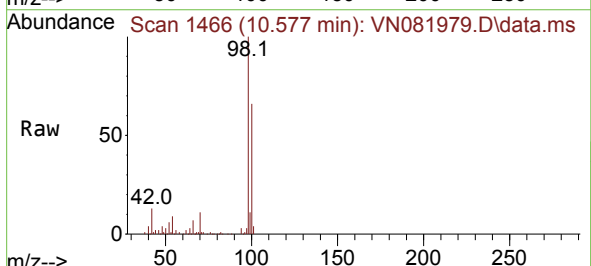
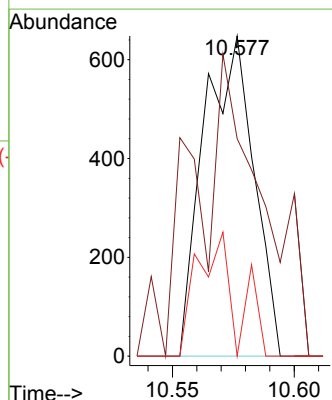
Tgt Ion: 69 Resp: 929

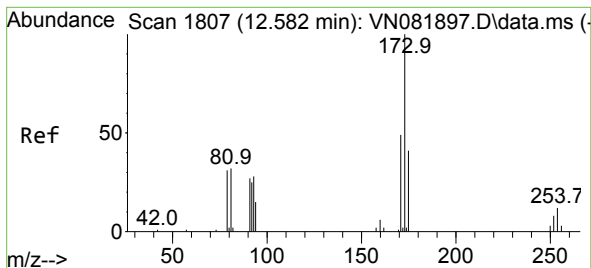
Ion Ratio Lower Upper

69 100

41 38.6 25.5 76.5

39 0.0 16.0 47.9#





#56

Bromoform

Concen: 0.216 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.265 min

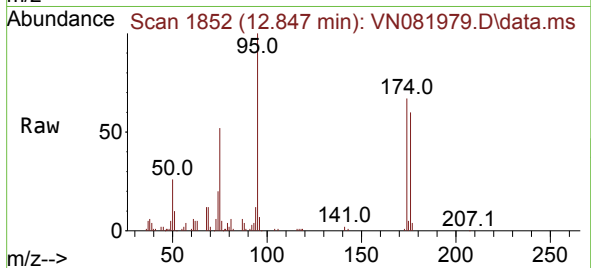
Lab File: VN081979.D

Acq: 02 May 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :



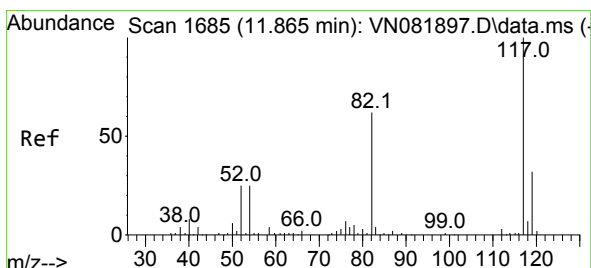
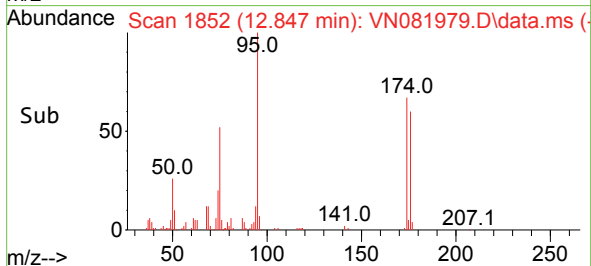
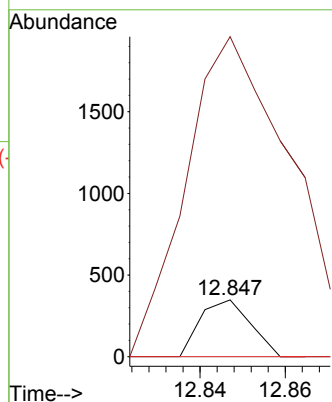
Tgt Ion:173 Resp: 285

Ion Ratio Lower Upper

173 100

175 1186.3 40.0 60.0#

254 0.0 8.3 12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN081979.D

Acq: 02 May 2024 16:06

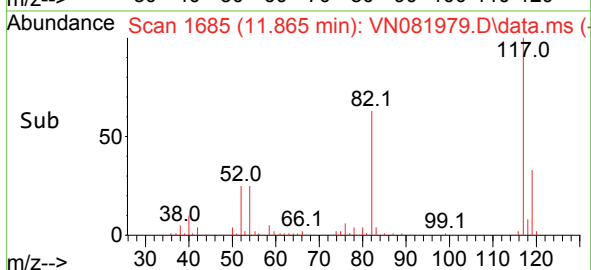
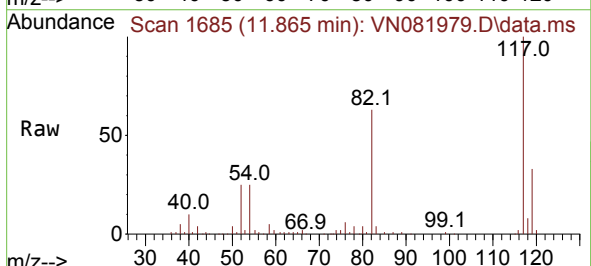
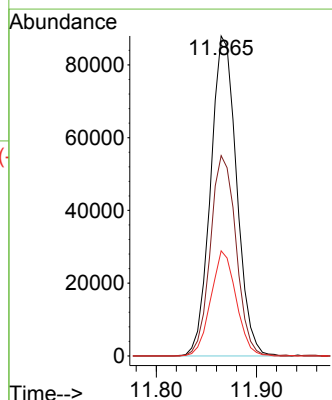
Tgt Ion:117 Resp: 158476

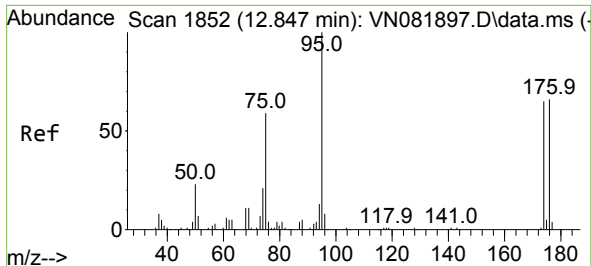
Ion Ratio Lower Upper

117 100

82 61.9 46.6 69.8

119 31.9 25.4 38.2

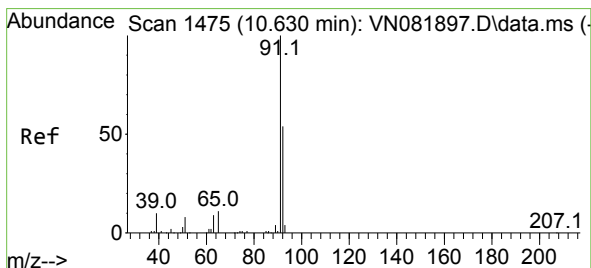
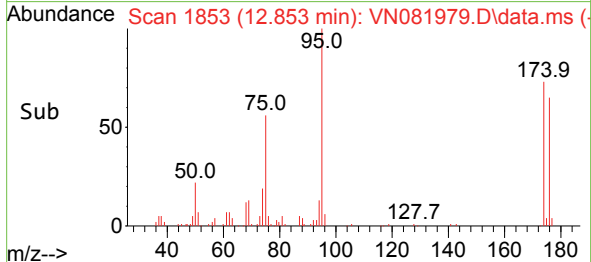
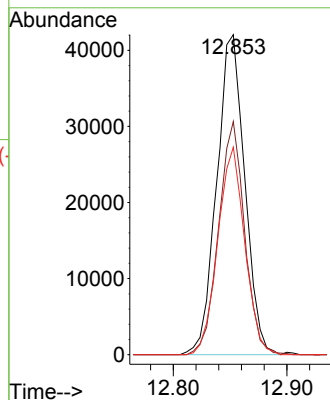
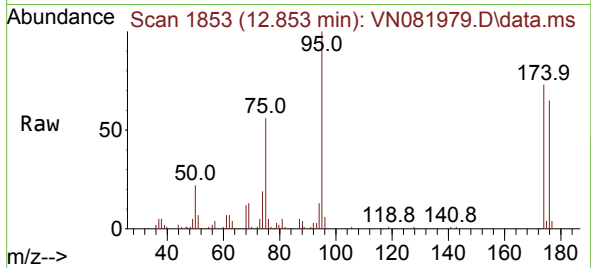




#60
4-Bromofluorobenzene
Concen: 27.303 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

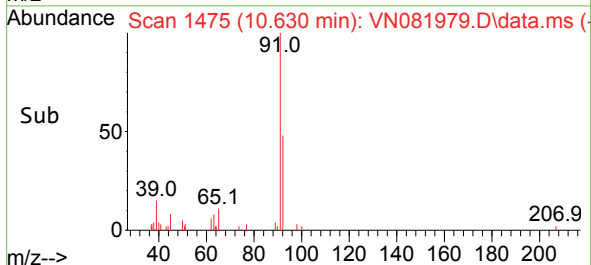
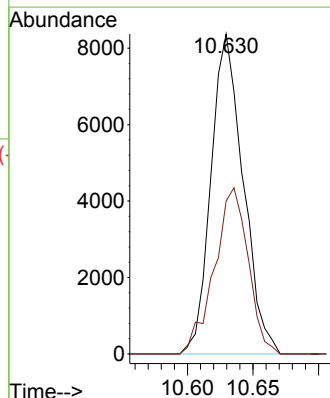
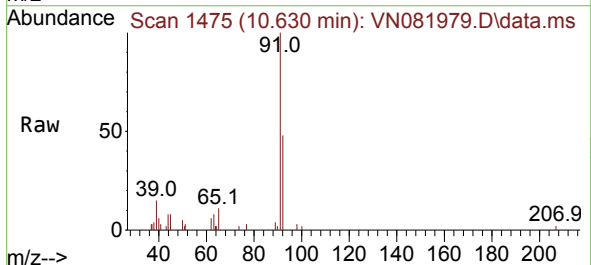
Instrument :
MSVOA_N
ClientSampleId :

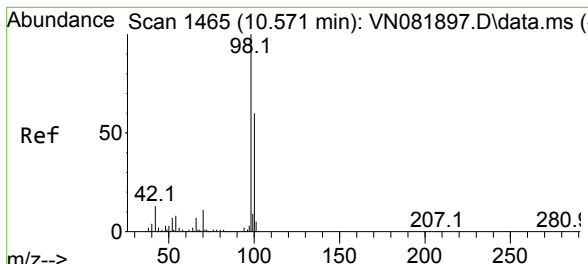
Tgt Ion: 95 Resp: 72009
Ion Ratio Lower Upper
95 100
174 67.6 60.5 90.7
176 62.4 57.8 86.6



#62
Toluene
Concen: 1.601 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

Tgt Ion: 91 Resp: 14280
Ion Ratio Lower Upper
91 100
92 54.5 46.5 69.7

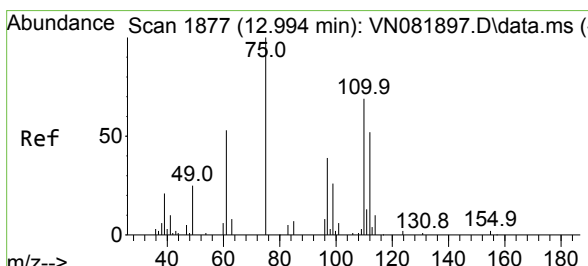
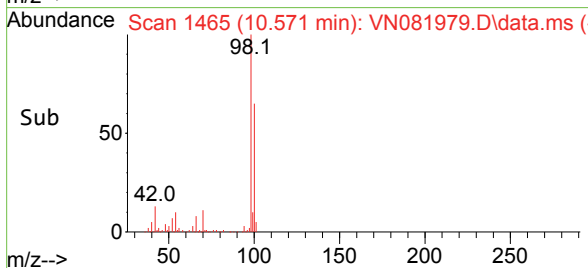
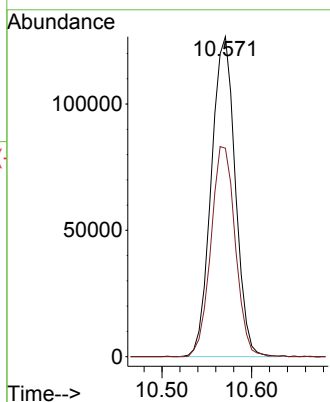
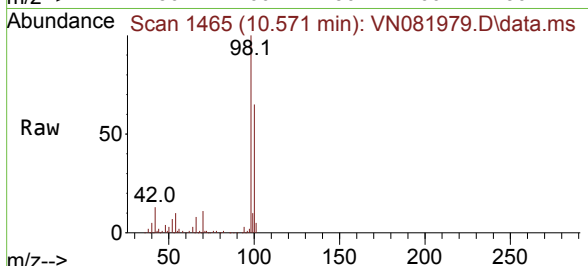




#63
Toluene-d8
Concen: 31.213 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

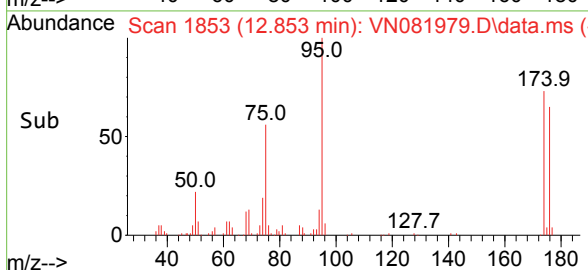
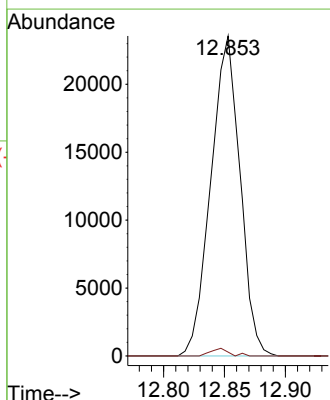
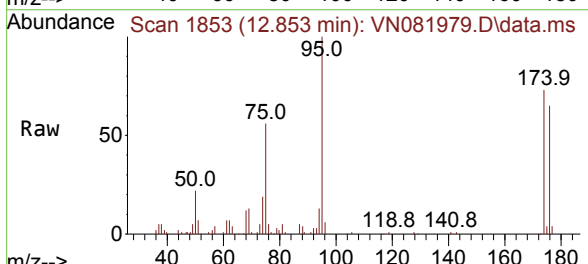
Instrument :
MSVOA_N
ClientSampleId :

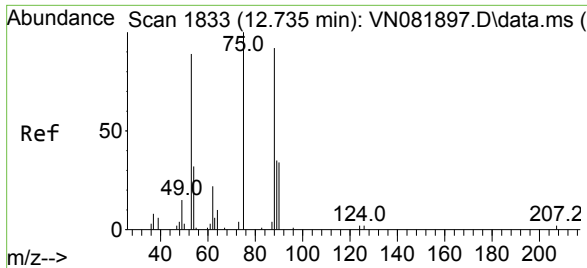
Tgt Ion: 98 Resp: 234912
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 16.026 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

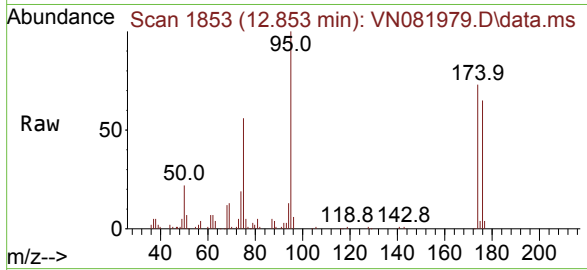
Tgt Ion: 75 Resp: 39260
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.6





#77
t-1,4-Dichloro-2-butene
Concen: 36.005 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN081979.D
Acq: 02 May 2024 16:06

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	75	Resp:	39260
Ion	Ratio	Lower	Upper
75	100		
53	0.0	45.9	137.7#
89	1.0	25.9	77.7#

