

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072687.D
 Acq On : 07 Jun 2022 14:54
 Operator : JC\MD
 Sample : N3198-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Jun 08 09:52:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

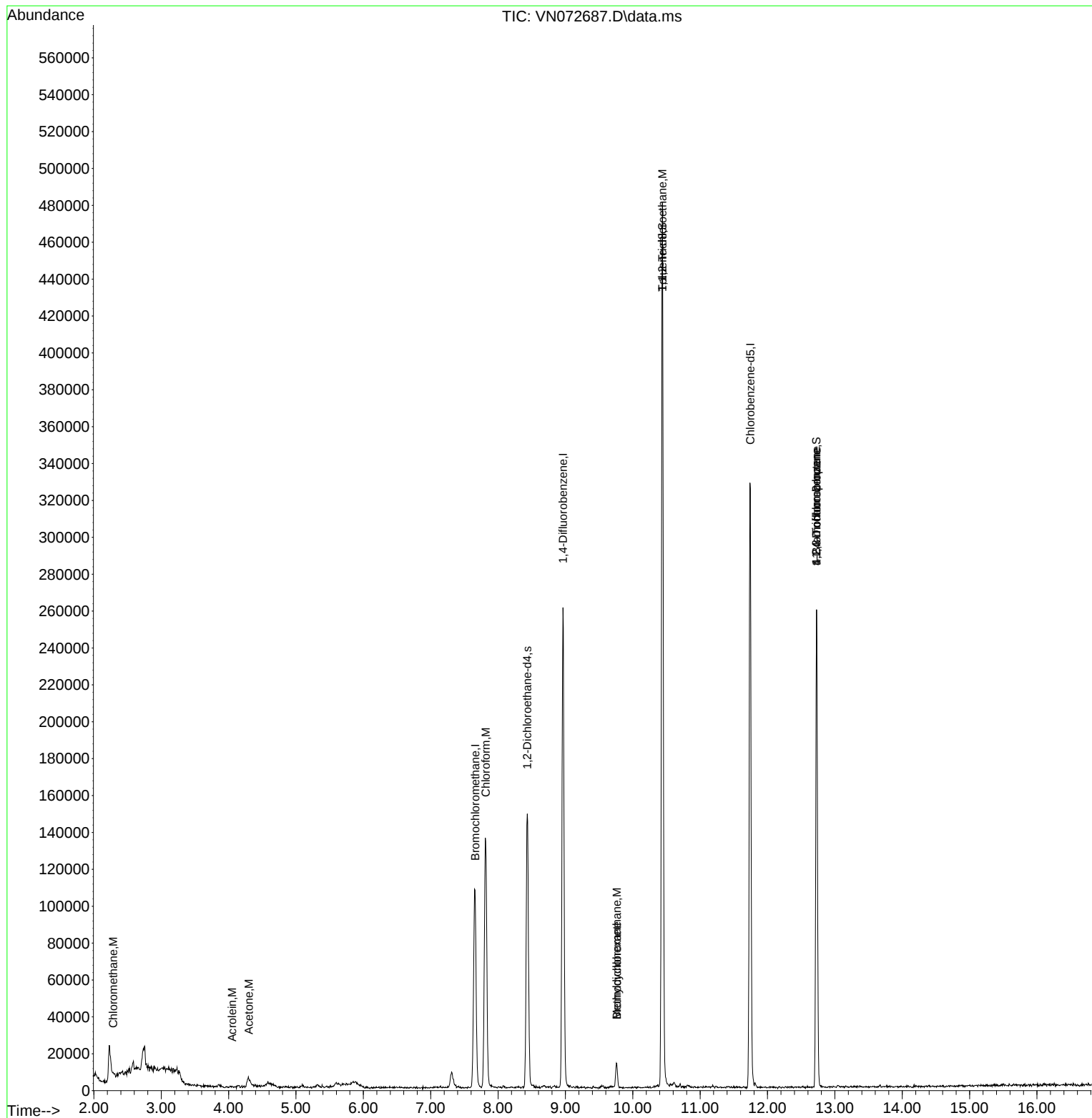
Internal Standards						
1) Bromochloromethane	7.663	128	36443	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	8.963	114	217229	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	183885	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	129438	31.143	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.800%
60) 4-Bromofluorobenzene	12.727	95	92855	24.551	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	81.833%
63) Toluene-d8	10.439	98	321822	31.593	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	105.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.287	50	1027	0.346	ug/l #	40
13) Acrolein	4.052	56	347	0.798	ug/l	90
15) Acetone	4.299	58	2537	4.627	ug/l #	55
25) Chloroform	7.816	83	130306	22.164	ug/l	100
38) Methylcyclohexane	9.763	83	8717	1.763	ug/l #	21
41) Bromodichloromethane	9.763	83	8717	1.764	ug/l #	92
50) 1,1,2-Trichloroethane	10.439	97	9775	2.993	ug/l #	1
72) 1,2,3-Trichloropropane	12.727	75	51767	12.590	ug/l	1
77) t-1,4-Dichloro-2-butene	12.727	75	51767	29.872	ug/l #	8

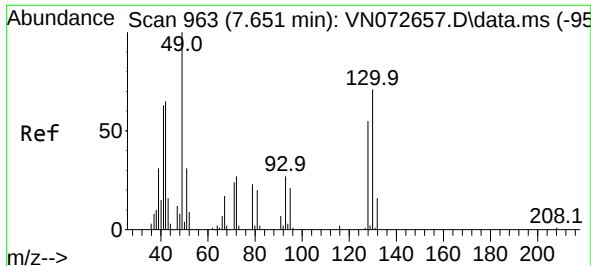
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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14B-1

Quant Time: Jun 08 09:52:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Jun 06 14:10:15 2022
Response via : Initial Calibration

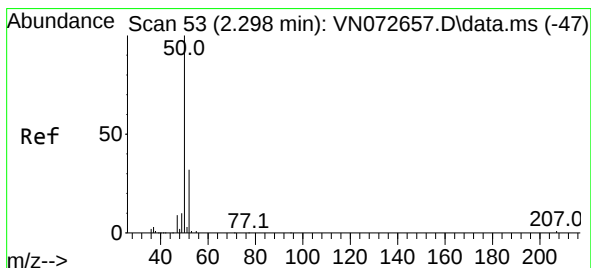
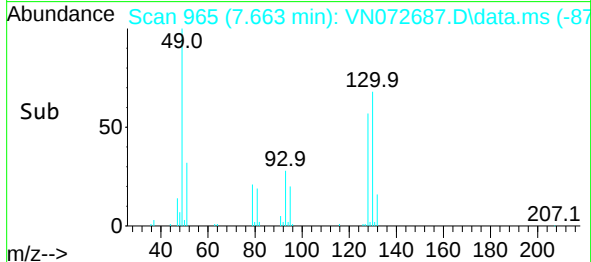
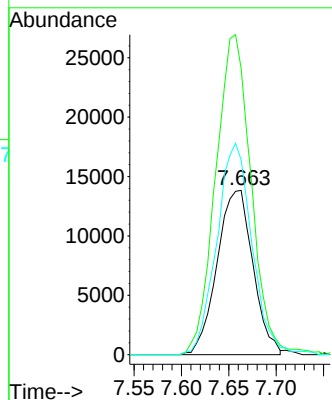
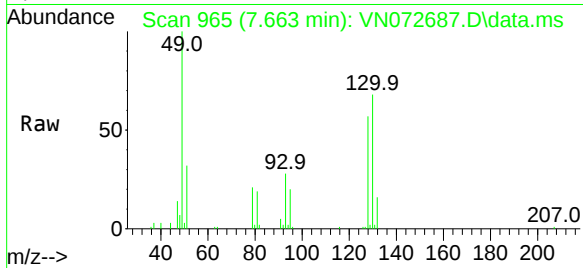




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.663 min Scan# 90
Delta R.T. 0.012 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

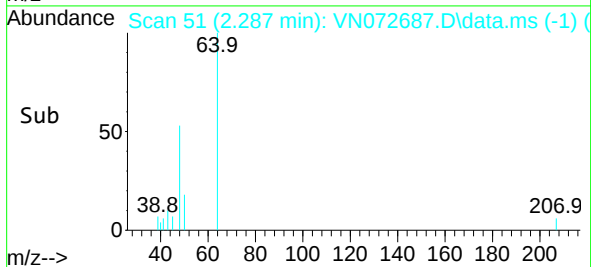
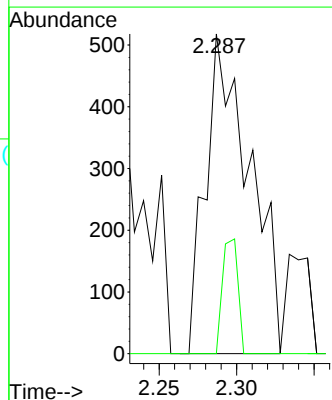
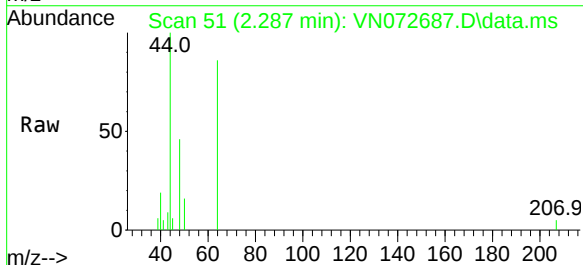
Instrument :
MSVOA_N
ClientSampleId :
14B-1

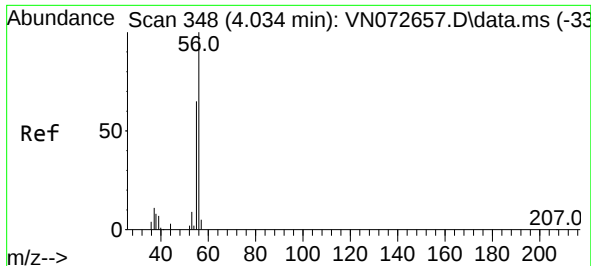
Tgt Ion:128 Resp: 36443
Ion Ratio Lower Upper
128 100
49 191.4 0.0 392.3
130 125.8 0.0 320.2



#3
Chloromethane
Concen: 0.346 ug/l
RT: 2.287 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

Tgt Ion: 50 Resp: 1027
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

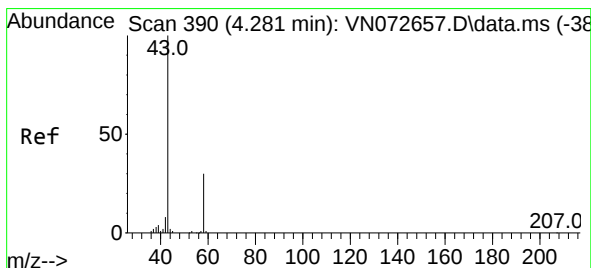
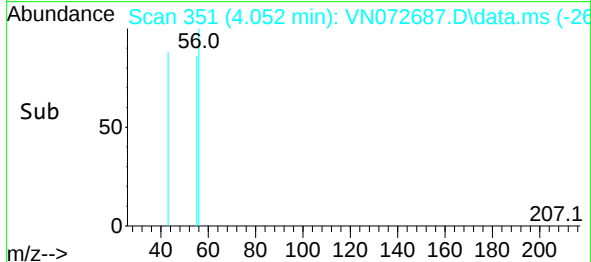
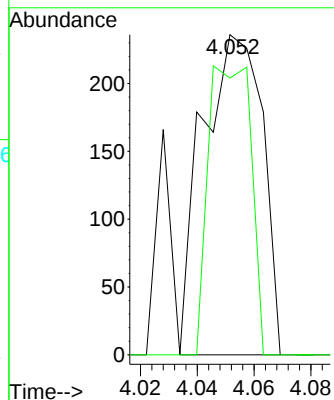
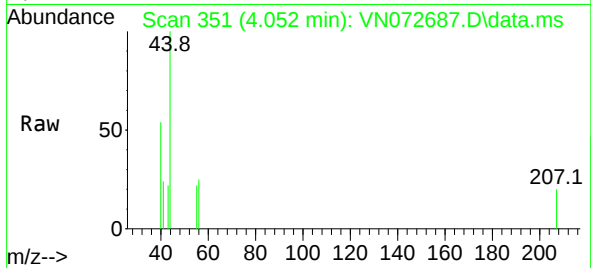




#13
Acrolein
Concen: 0.798 ug/l
RT: 4.052 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

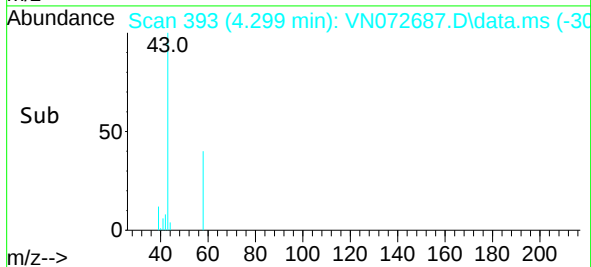
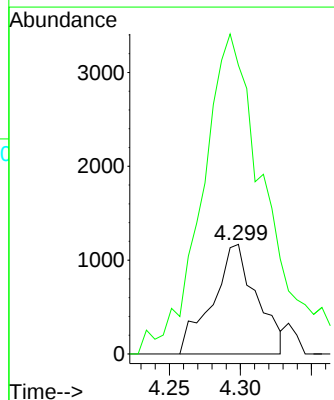
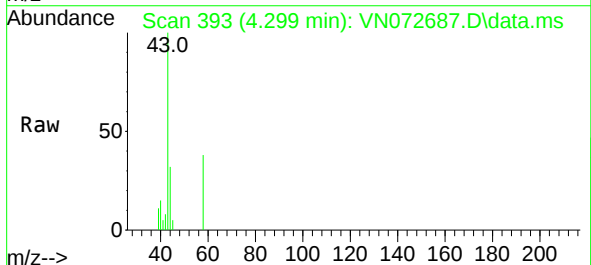
Instrument :
MSVOA_N
ClientSampleId :
14B-1

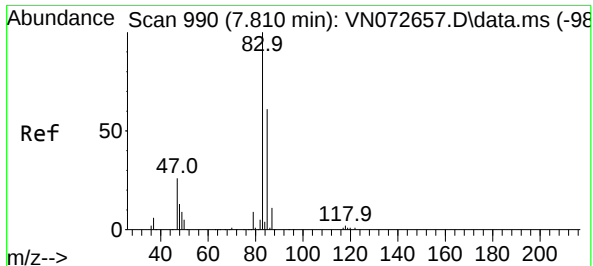
Tgt Ion: 56 Resp: 347
Ion Ratio Lower Upper
56 100
55 64.0 57.6 86.4



#15
Acetone
Concen: 4.627 ug/l
RT: 4.299 min Scan# 393
Delta R.T. 0.018 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

Tgt Ion: 58 Resp: 2537
Ion Ratio Lower Upper
58 100
43 229.2 256.6 384.8#

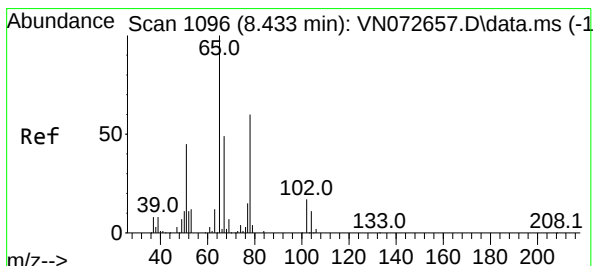
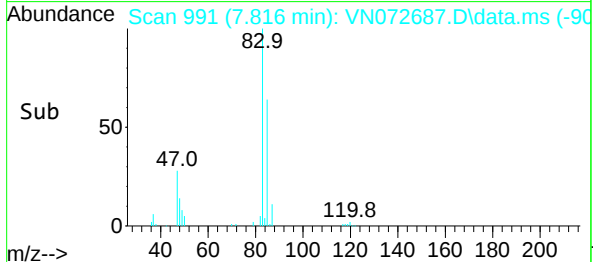
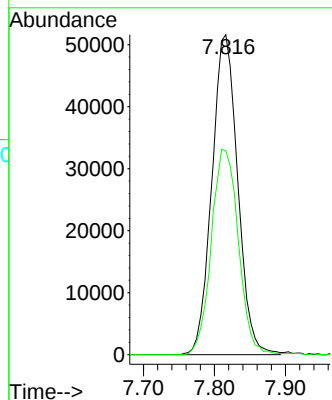
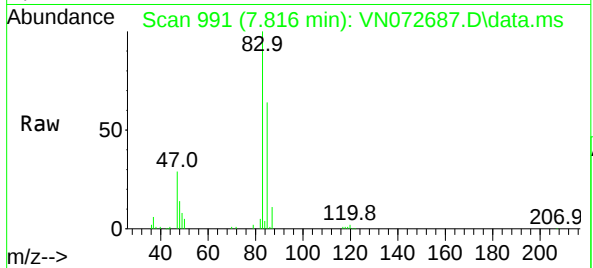




#25
Chloroform
Concen: 22.164 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

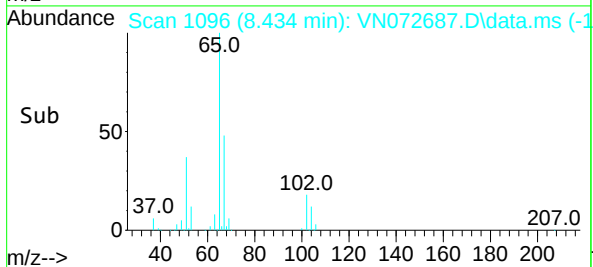
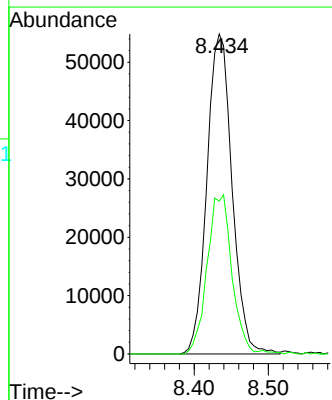
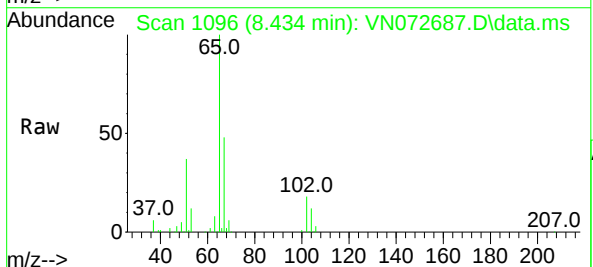
Instrument :
MSVOA_N
ClientSampleId :
14B-1

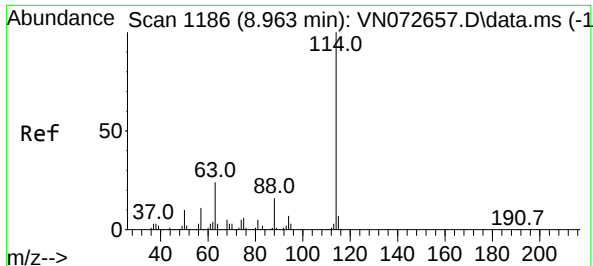
Tgt Ion: 83 Resp: 130306
Ion Ratio Lower Upper
83 100
85 63.8 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 31.143 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

Tgt Ion: 65 Resp: 129438
Ion Ratio Lower Upper
65 100
67 48.7 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072687.D

Acq: 07 Jun 2022 14:54

Instrument :

MSVOA_N

ClientSampleId :

14B-1

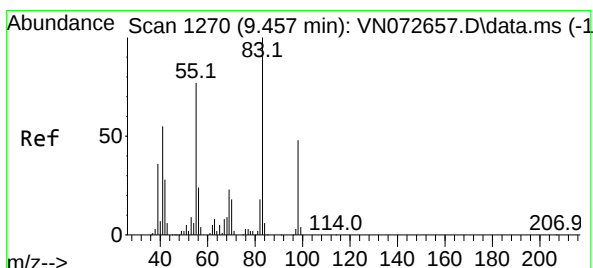
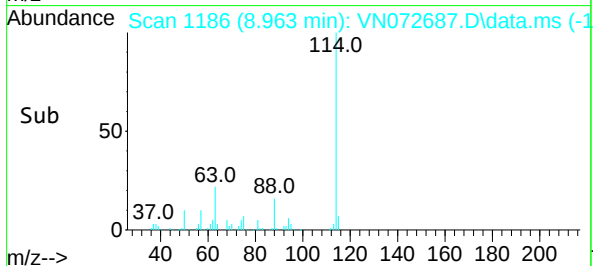
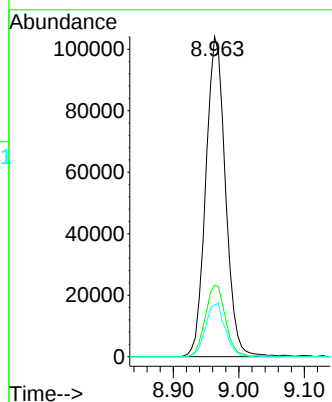
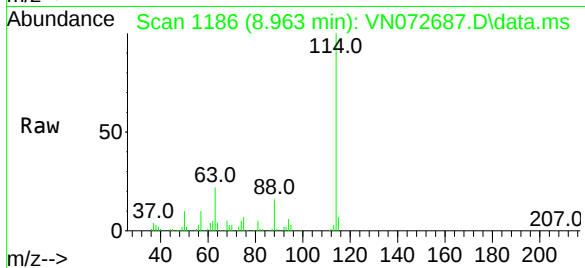
Tgt Ion:114 Resp: 217229

Ion Ratio Lower Upper

114 100

63 22.9 15.8 23.6

88 16.5 11.6 17.4



#38

Methylcyclohexane

Concen: 1.763 ug/l

RT: 9.763 min Scan# 1322

Delta R.T. 0.306 min

Lab File: VN072687.D

Acq: 07 Jun 2022 14:54

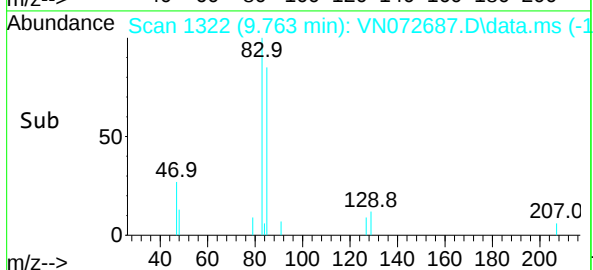
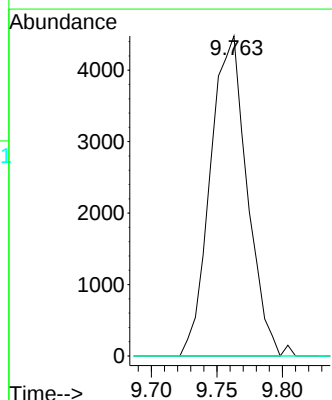
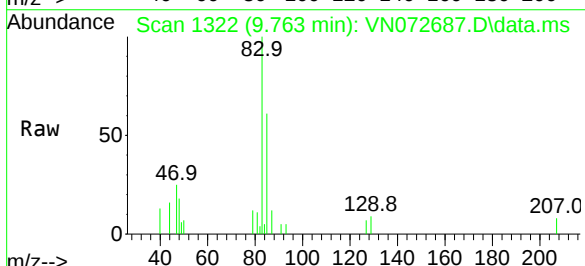
Tgt Ion: 83 Resp: 8717

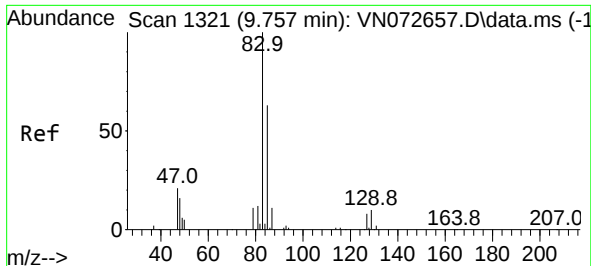
Ion Ratio Lower Upper

83 100

55 0.0 35.1 105.3#

98 0.0 23.4 70.2#

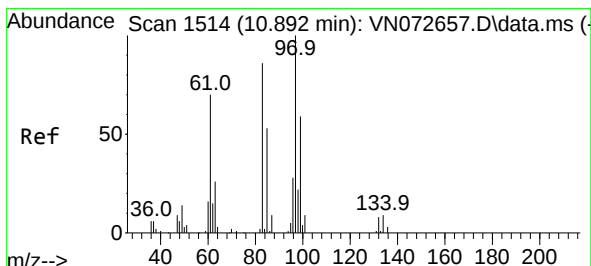
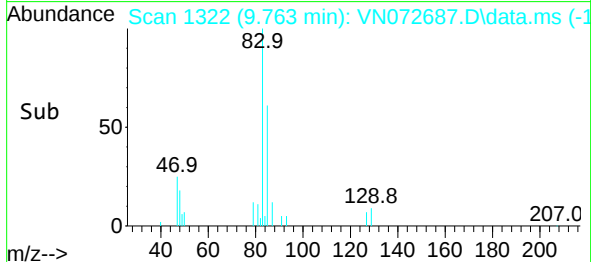
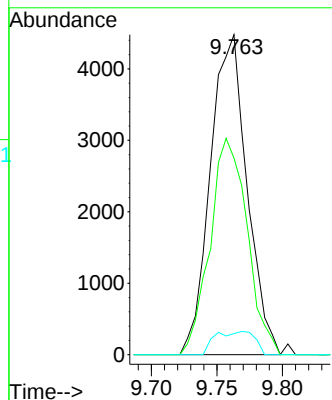
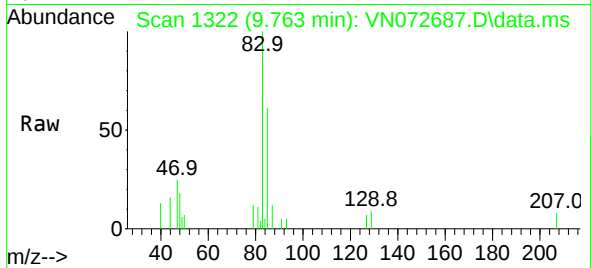




#41
Bromodichloromethane
Concen: 1.764 ug/l
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

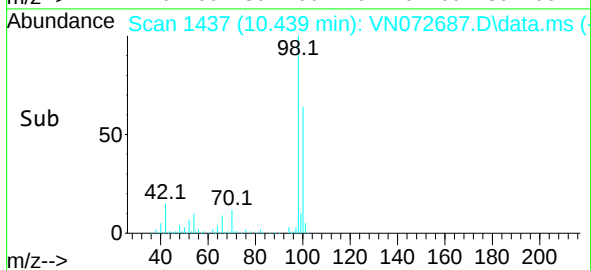
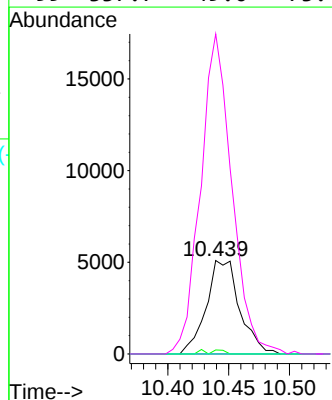
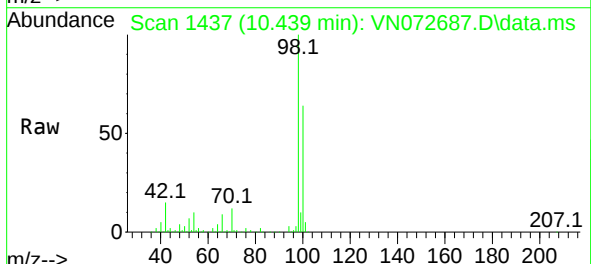
Instrument :
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14B-1

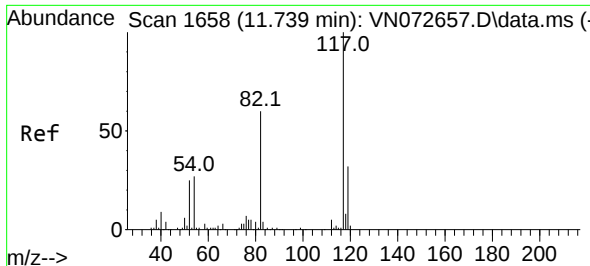
Tgt Ion: 83 Resp: 8717
Ion Ratio Lower Upper
83 100
85 61.4 54.1 81.1
127 6.6 7.6 11.4#



#50
1,1,2-Trichloroethane
Concen: 2.993 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.453 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

Tgt Ion: 97 Resp: 9775
Ion Ratio Lower Upper
97 100
83 4.3 67.2 100.8#
85 0.0 43.0 64.4#
99 337.7 49.0 73.4#

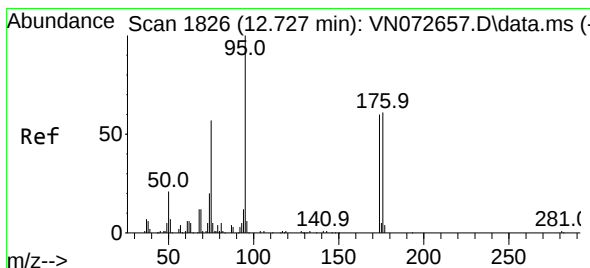
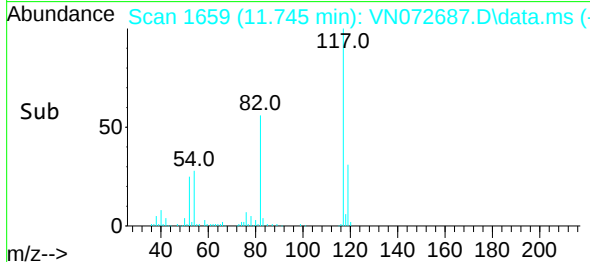
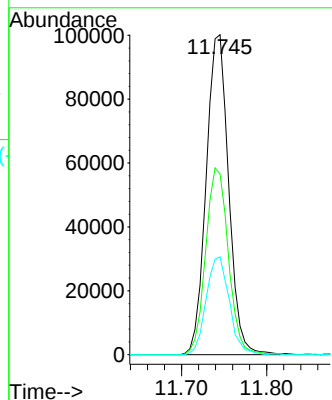
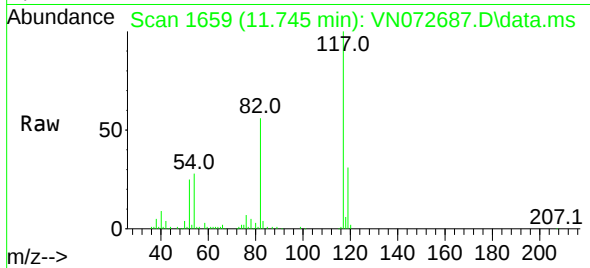




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

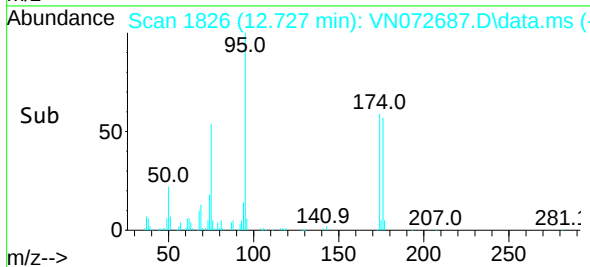
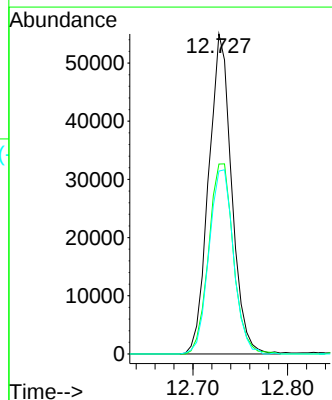
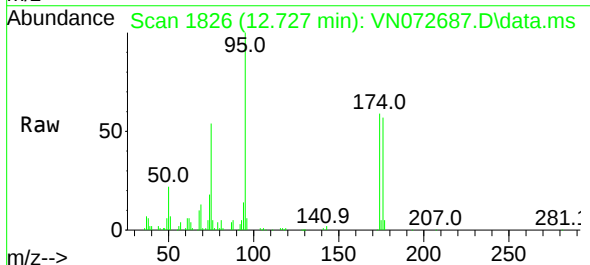
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14B-1

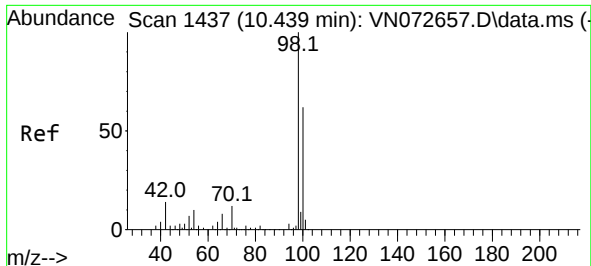
Tgt Ion:117 Resp: 183885
Ion Ratio Lower Upper
117 100
82 59.0 43.6 65.4
119 31.4 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 24.551 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

Tgt Ion: 95 Resp: 92855
Ion Ratio Lower Upper
95 100
174 63.8 62.9 94.3
176 61.1 61.0 91.4

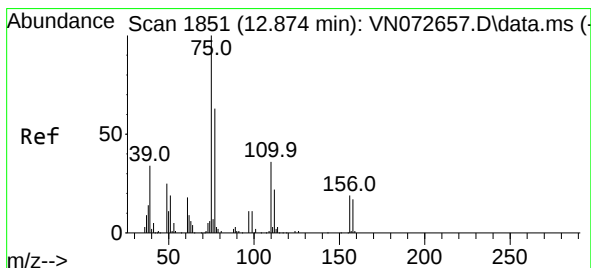
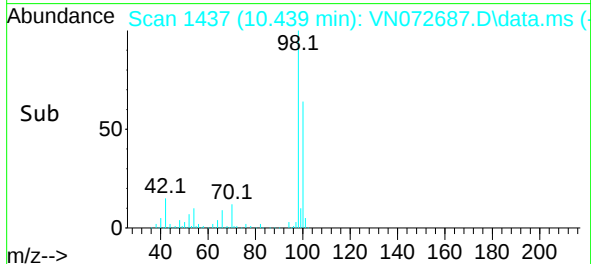
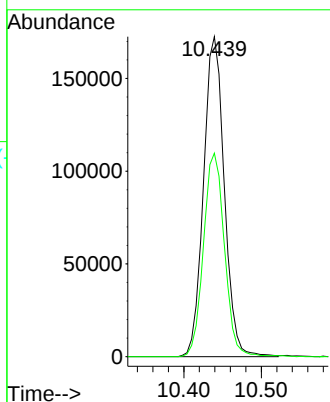
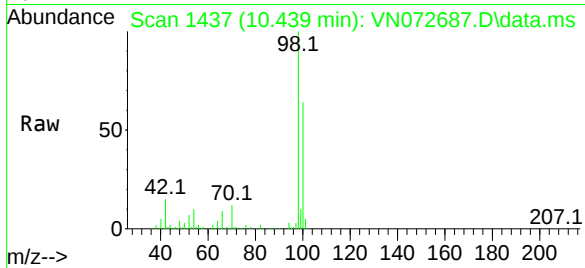




#63
Toluene-d8
Concen: 31.593 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

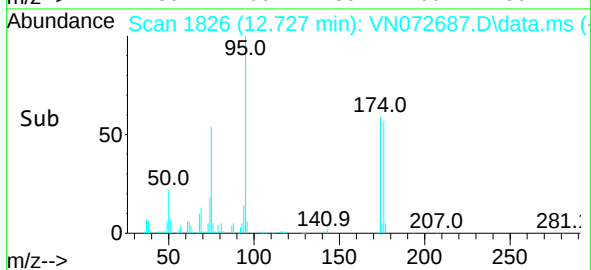
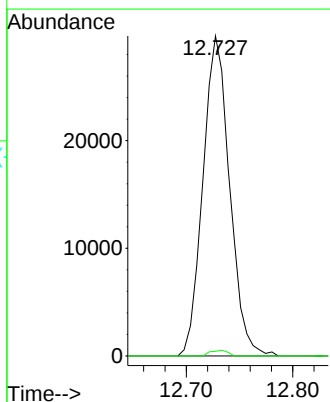
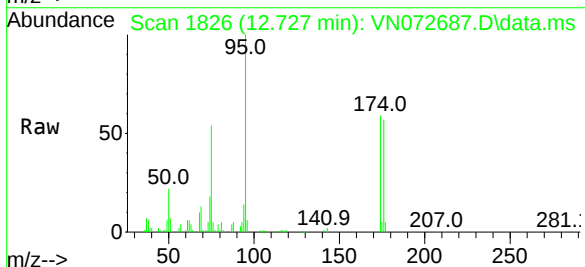
Instrument :
MSVOA_N
ClientSampleId :
14B-1

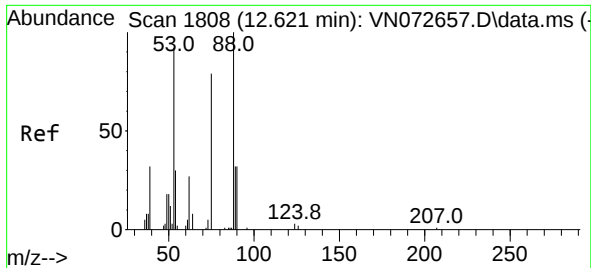
Tgt Ion: 98 Resp: 321822
Ion Ratio Lower Upper
98 100
100 64.3 50.6 76.0



#72
1,2,3-Trichloropropane
Concen: 12.590 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072687.D
Acq: 07 Jun 2022 14:54

Tgt Ion: 75 Resp: 51767
Ion Ratio Lower Upper
75 100
77 1.1 0.0 378.0





#77

t-1,4-Dichloro-2-butene

Concen: 29.872 ug/l

RT: 12.727 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN072687.D

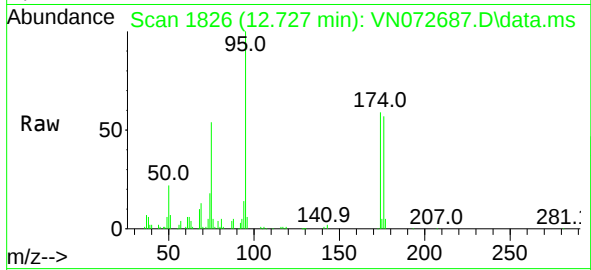
Acq: 07 Jun 2022 14:54

Instrument :

MSVOA_N

ClientSampleId :

14B-1



Tgt Ion: 75 Resp: 51767

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

