

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072683.D
 Acq On : 07 Jun 2022 13:17
 Operator : JC\MD
 Sample : N3172-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Jun 08 09:51:30 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)

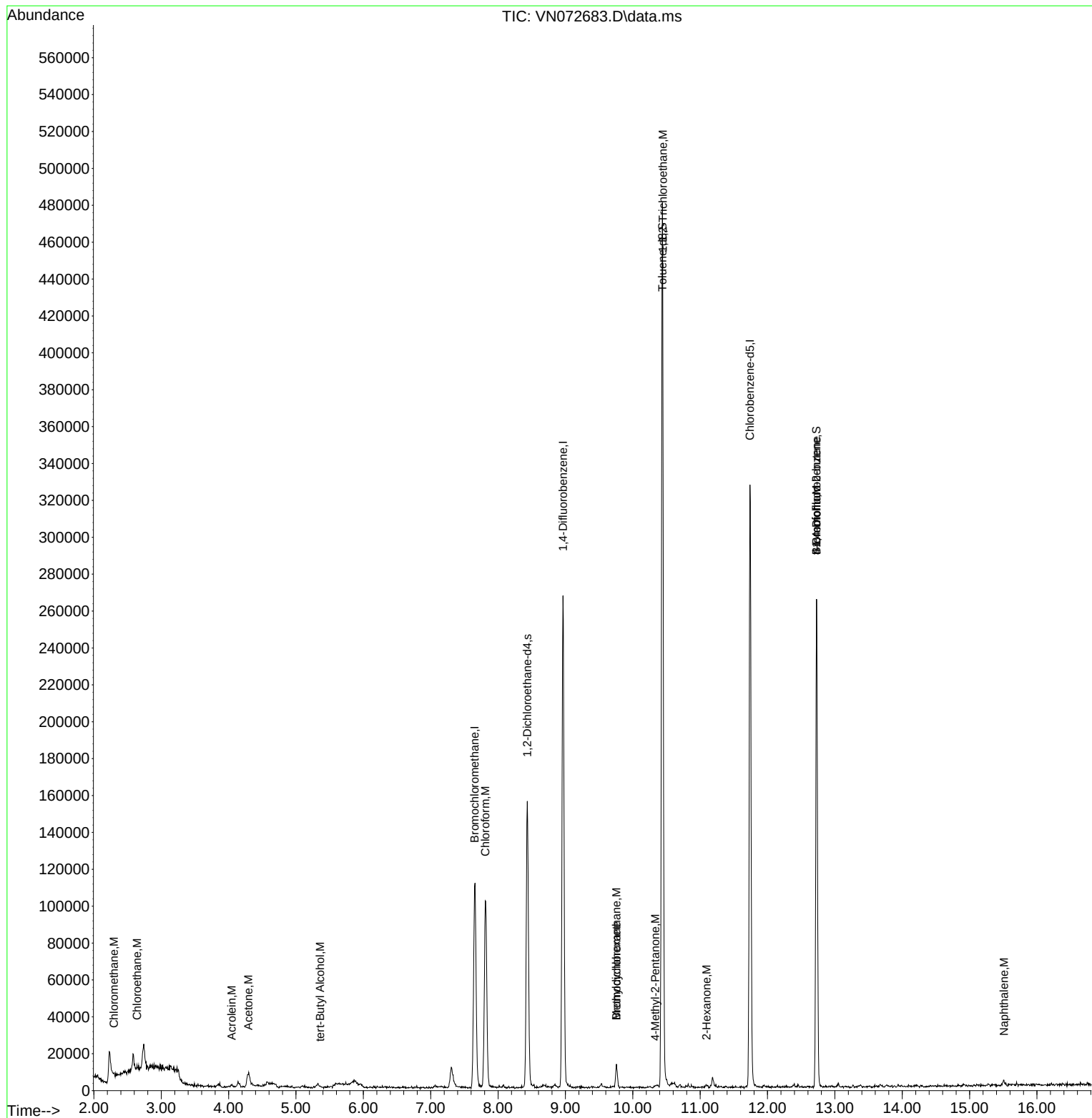
Internal Standards						
1) Bromochloromethane	7.651	128	37380	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	220169	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	181234	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	130483	30.608	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.033%
60) 4-Bromofluorobenzene	12.727	95	92381	24.783	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.600%
63) Toluene-d8	10.439	98	329120	32.782	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	109.267%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	996	0.327	ug/l #	40
6) Chloroethane	2.640	64	898	0.491	ug/l	91
13) Acrolein	4.046	56	848	1.901	ug/l	94
15) Acetone	4.293	58	2466	4.385	ug/l #	68
23) tert-Butyl Alcohol	5.357	59	204	0.211	ug/l #	100
25) Chloroform	7.810	83	96651	16.028	ug/l	93
38) Methylcyclohexane	9.757	83	8544	1.705	ug/l #	21
41) Bromodichloromethane	9.757	83	8544	1.706	ug/l #	95
50) 1,1,2-Trichloroethane	10.445	97	9623	2.907	ug/l #	1
56) Bromoform	12.727	173	791	0.311	ug/l #	1
58) 4-Methyl-2-Pentanone	10.333	43	1221	0.225	ug/l #	44
59) 2-Hexanone	11.092	43	1472	0.357	ug/l #	56
77) t-1,4-Dichloro-2-butene	12.727	75	53771	31.482	ug/l #	8
91) Naphthalene	15.510	128	2667	0.275	ug/l #	78

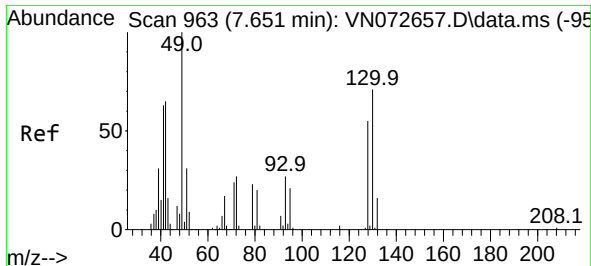
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
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Quant Time: Jun 08 09:51:30 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

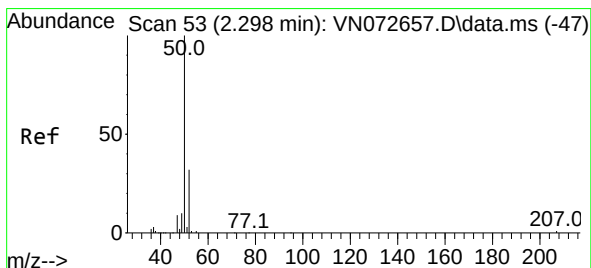
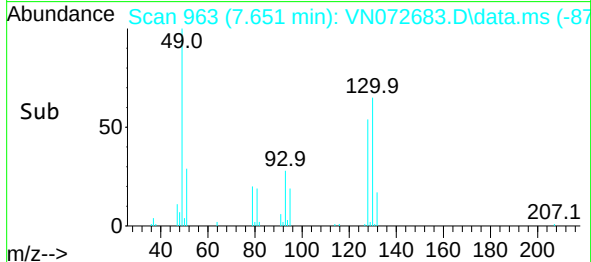
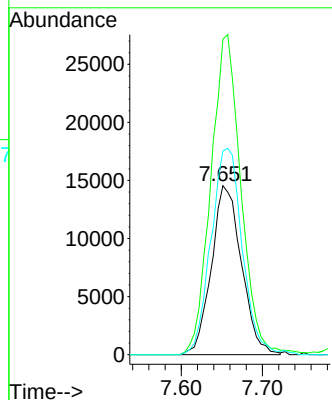
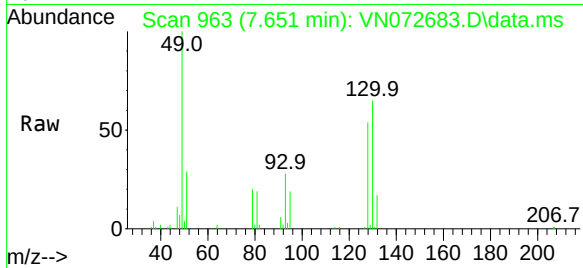




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

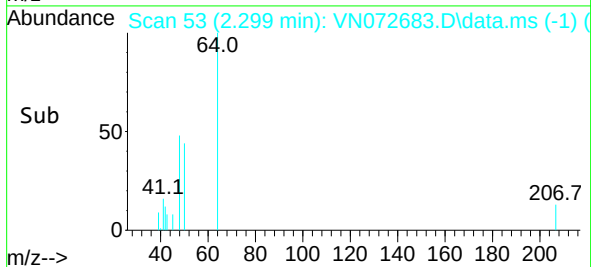
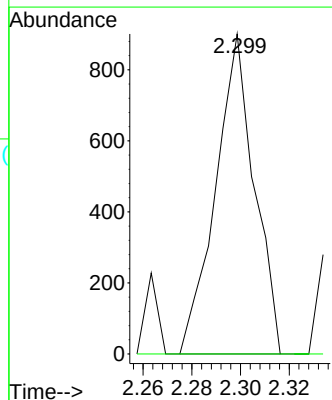
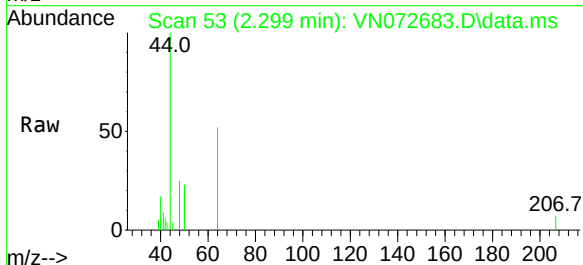
Instrument :
MSVOA_N
ClientSampleId :
14B-1

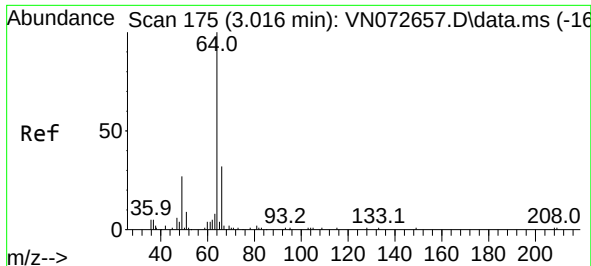
Tgt Ion:128 Resp: 37380
Ion Ratio Lower Upper
128 100
49 189.6 0.0 392.3
130 127.0 0.0 320.2



#3
Chloromethane
Concen: 0.327 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Tgt Ion: 50 Resp: 996
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

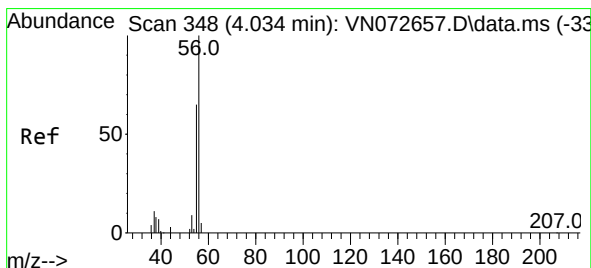
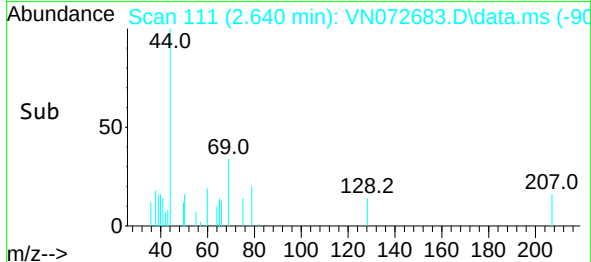
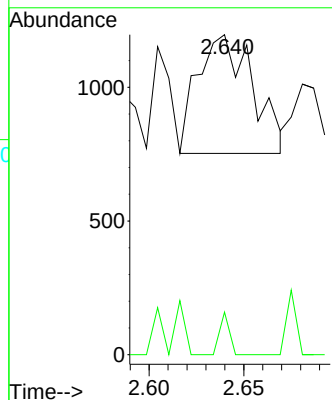
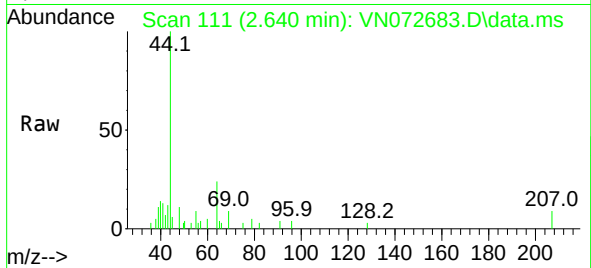




#6
Chloroethane
Concen: 0.491 ug/l
RT: 2.640 min Scan# 111
Delta R.T. -0.376 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

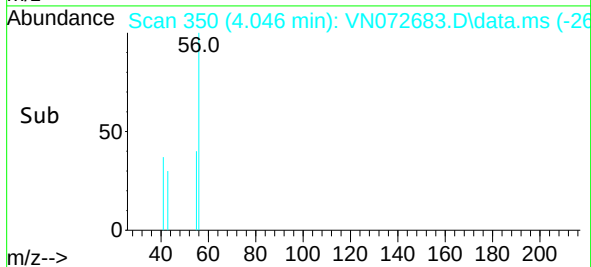
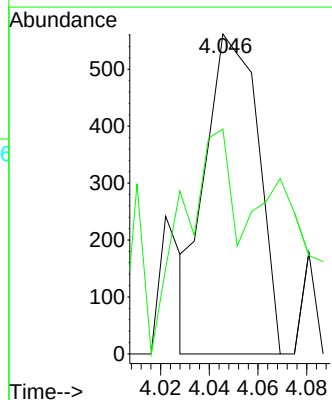
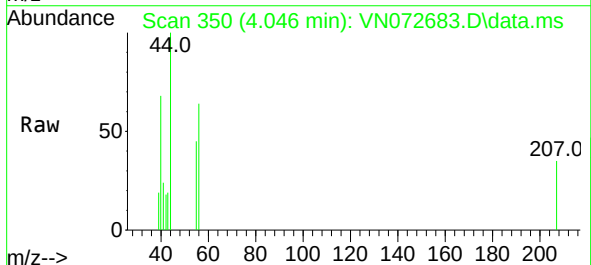
Instrument :
MSVOA_N
ClientSampleId :
14B-1

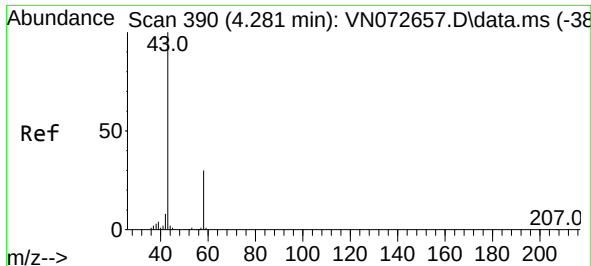
Tgt Ion: 64 Resp: 898
Ion Ratio Lower Upper
64 100
66 35.8 24.6 36.8



#13
Acrolein
Concen: 1.901 ug/l
RT: 4.046 min Scan# 350
Delta R.T. 0.012 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Tgt Ion: 56 Resp: 848
Ion Ratio Lower Upper
56 100
55 66.9 57.6 86.4

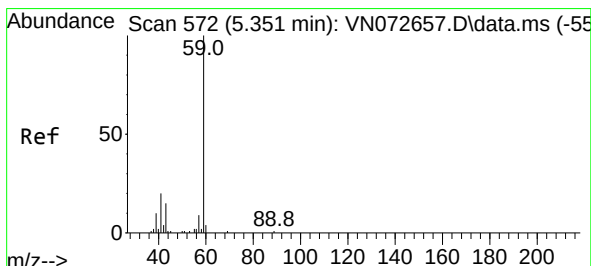
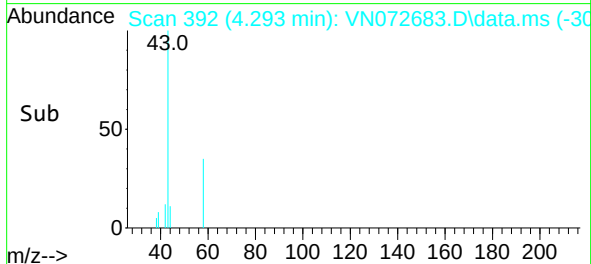
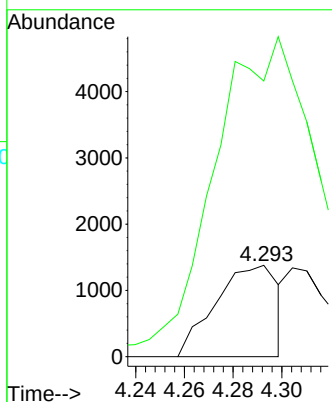
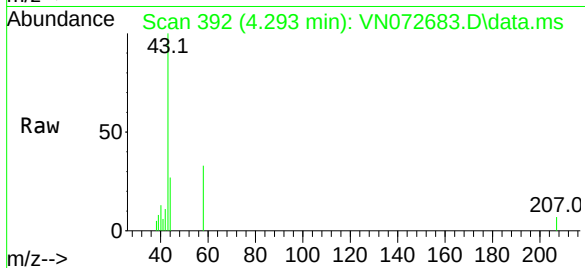




#15
Acetone
Concen: 4.385 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

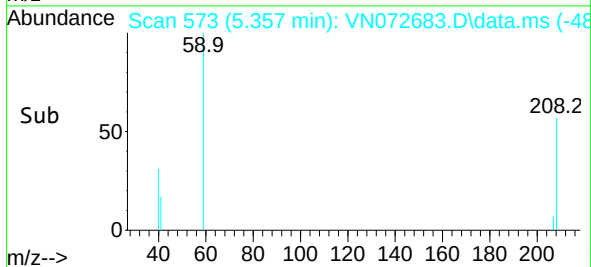
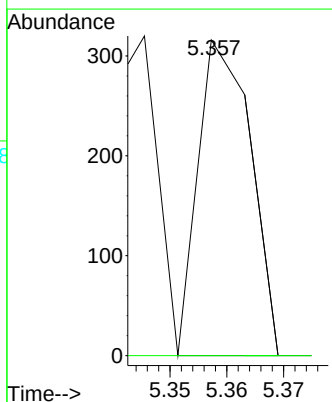
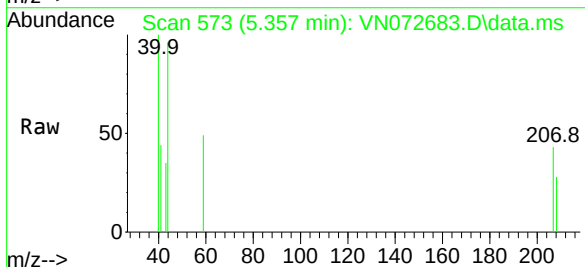
Instrument :
MSVOA_N
ClientSampleId :
14B-1

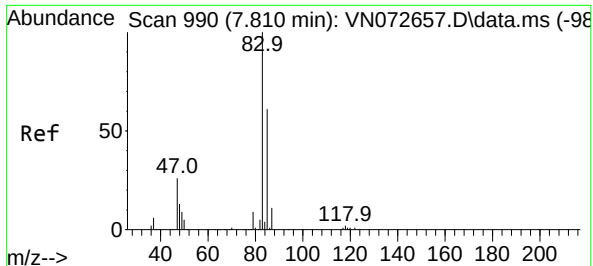
Tgt Ion: 58 Resp: 2466
Ion Ratio Lower Upper
58 100
43 255.4 256.6 384.8#



#23
tert-Butyl Alcohol
Concen: 0.211 ug/l
RT: 5.357 min Scan# 573
Delta R.T. 0.006 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

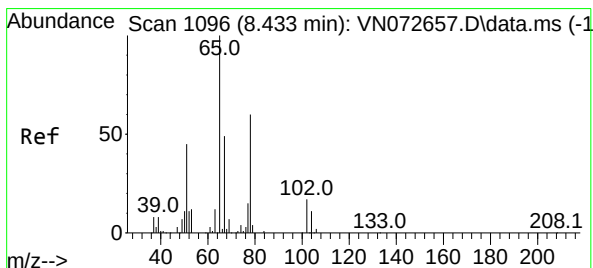
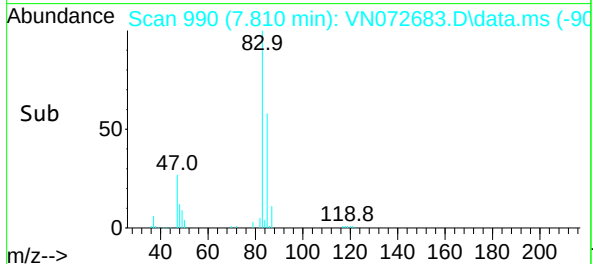
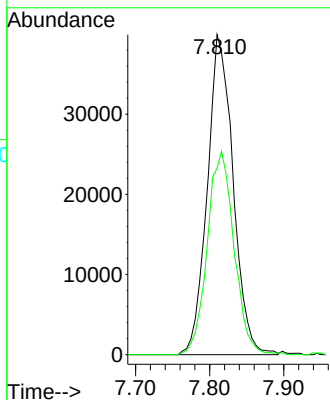
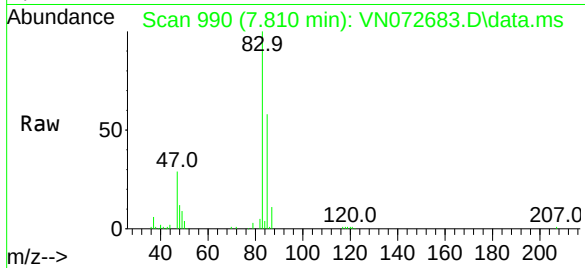




#25
Chloroform
Concen: 16.028 ug/l
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

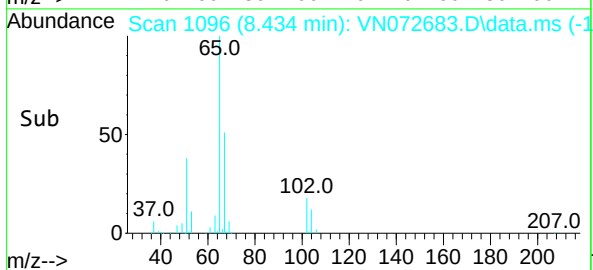
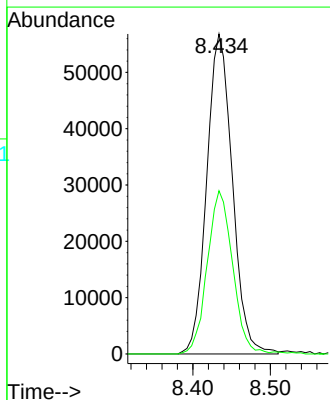
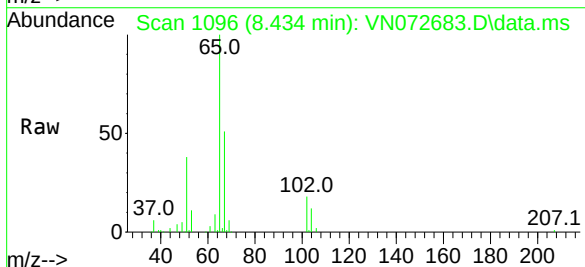
Instrument :
MSVOA_N
ClientSampleId :
14B-1

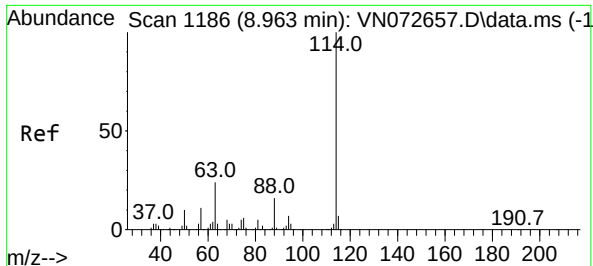
Tgt Ion: 83 Resp: 96651
Ion Ratio Lower Upper
83 100
85 58.3 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 30.608 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Tgt Ion: 65 Resp: 130483
Ion Ratio Lower Upper
65 100
67 50.4 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: VN072683.D

Acq: 07 Jun 2022 13:17

Instrument :

MSVOA_N

ClientSampleId :

14B-1

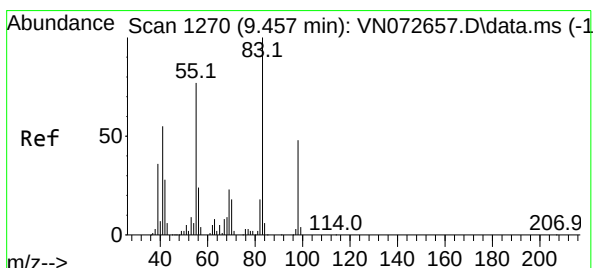
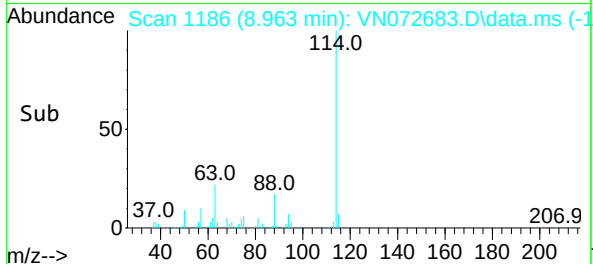
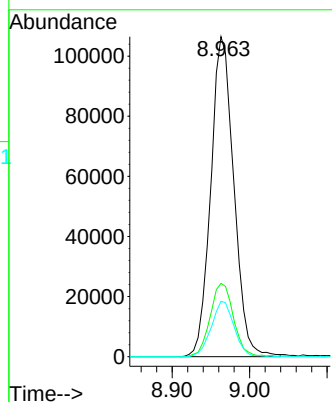
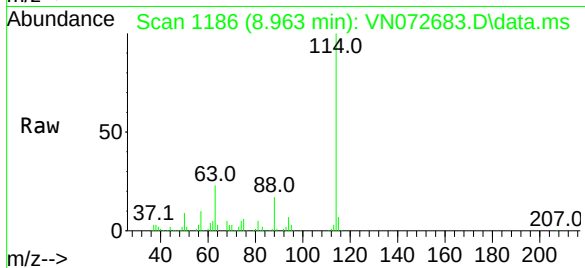
Tgt Ion:114 Resp: 220169

Ion Ratio Lower Upper

114 100

63 23.3 15.8 23.6

88 17.1 11.6 17.4



#38

Methylcyclohexane

Concen: 1.705 ug/l

RT: 9.757 min Scan# 1321

Delta R.T. 0.300 min

Lab File: VN072683.D

Acq: 07 Jun 2022 13:17

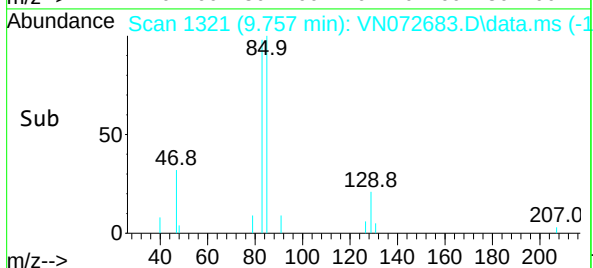
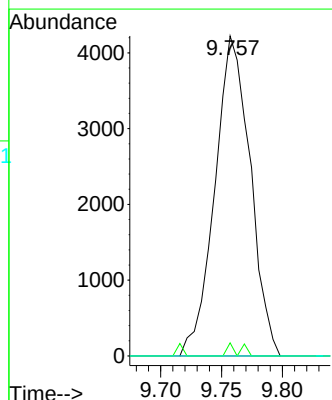
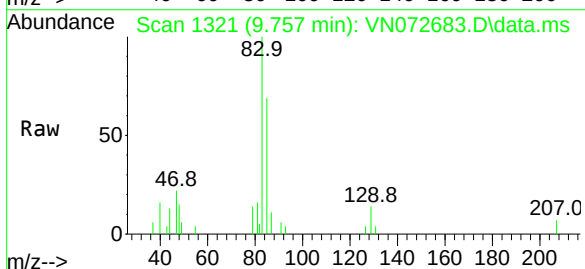
Tgt Ion: 83 Resp: 8544

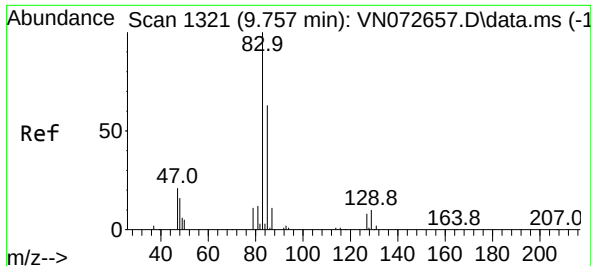
Ion Ratio Lower Upper

83 100

55 0.7 35.1 105.3#

98 0.0 23.4 70.2#

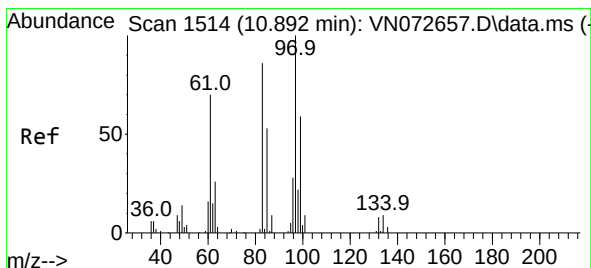
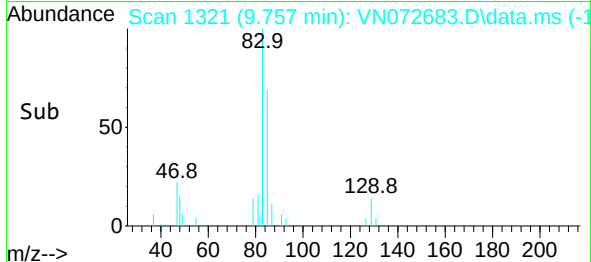
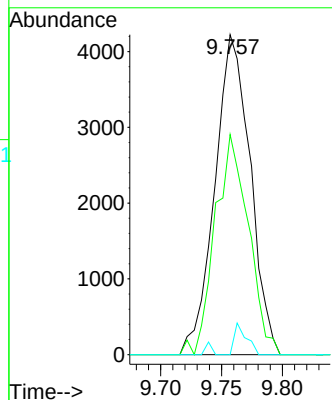
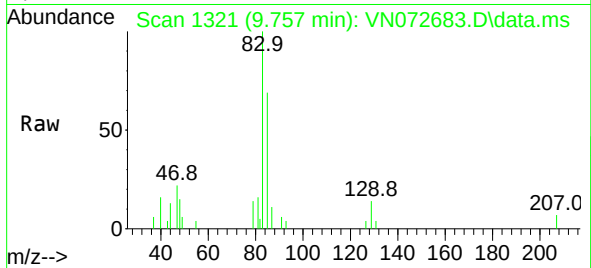




#41
Bromodichloromethane
Concen: 1.706 ug/l
RT: 9.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

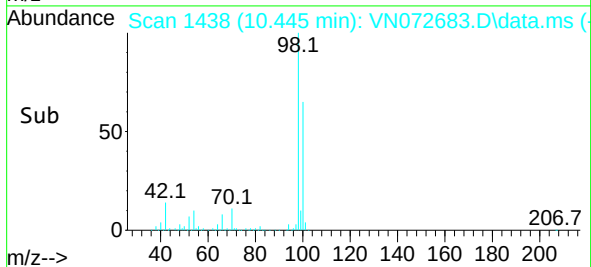
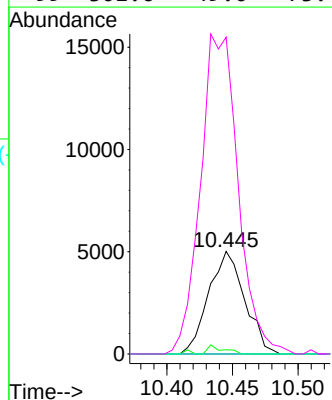
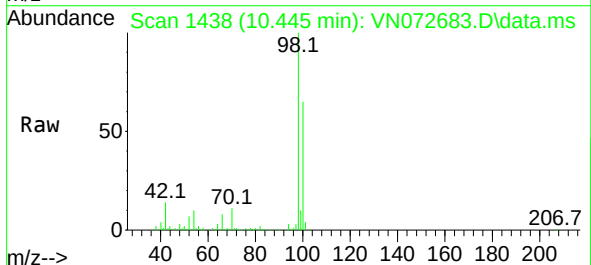
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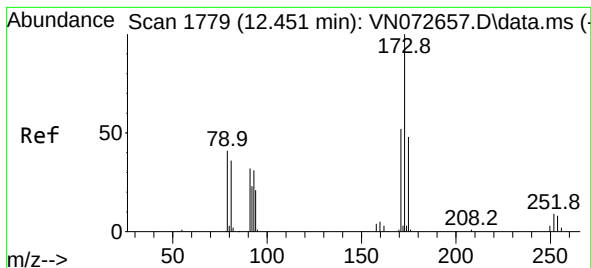
Tgt Ion: 83 Resp: 8544
Ion Ratio Lower Upper
83 100
85 68.8 54.1 81.1
127 0.0 7.6 11.4#



#50
1,1,2-Trichloroethane
Concen: 2.907 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Tgt Ion: 97 Resp: 9623
Ion Ratio Lower Upper
97 100
83 4.1 67.2 100.8#
85 0.0 43.0 64.4#
99 301.6 49.0 73.4#





#56

Bromoform

Concen: 0.311 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.277 min

Lab File: VN072683.D

Acq: 07 Jun 2022 13:17

Instrument :

MSVOA_N

ClientSampleId :

14B-1

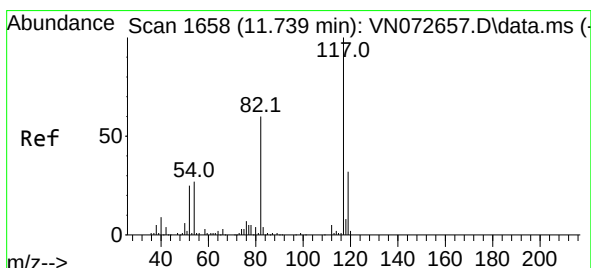
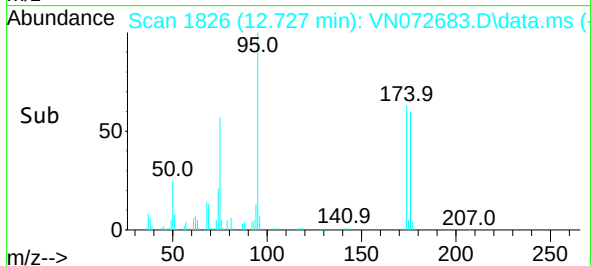
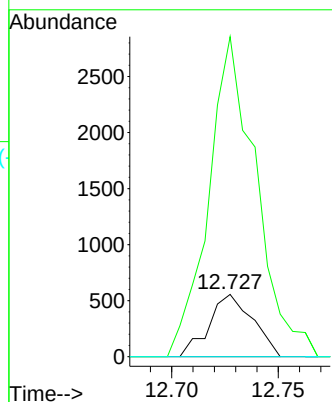
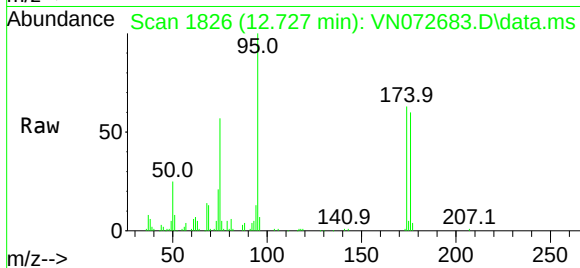
Tgt Ion:173 Resp: 791

Ion Ratio Lower Upper

173 100

175 560.8 38.6 58.0#

254 0.0 0.0 0.0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.739 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VN072683.D

Acq: 07 Jun 2022 13:17

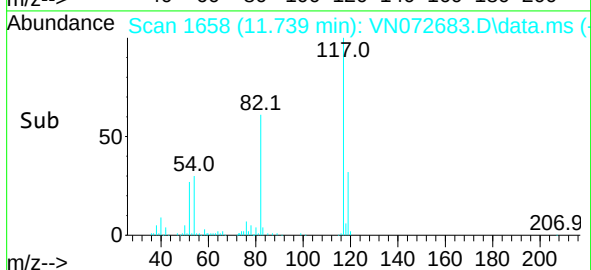
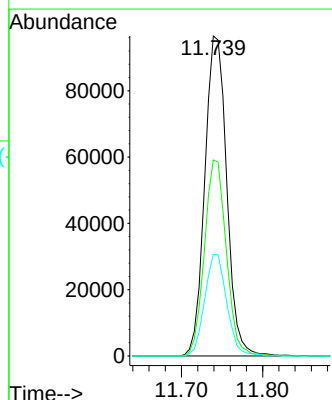
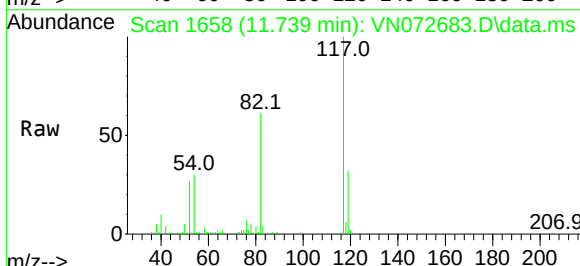
Tgt Ion:117 Resp: 181234

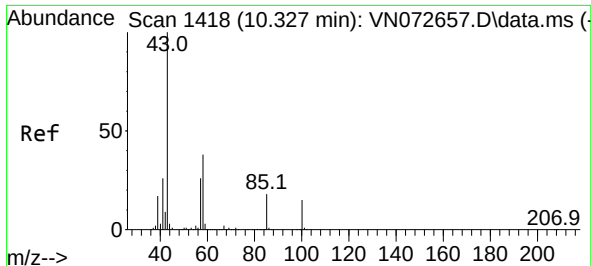
Ion Ratio Lower Upper

117 100

82 61.1 43.6 65.4

119 31.8 25.8 38.6

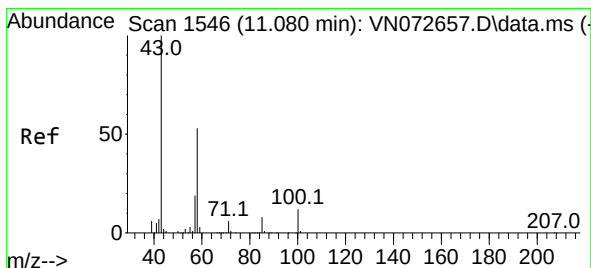
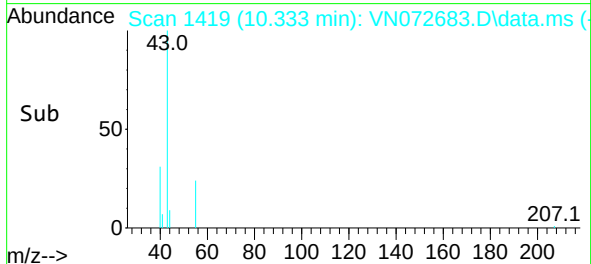
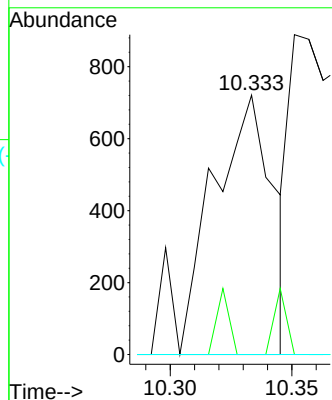
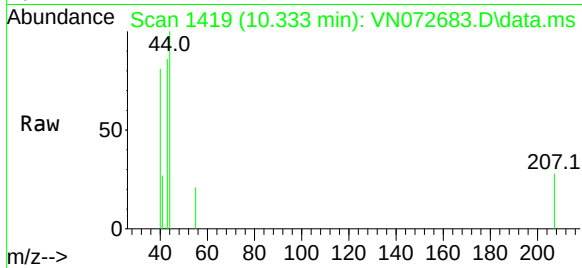




#58
4-Methyl-2-Pentanone
Concen: 0.225 ug/l
RT: 10.333 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

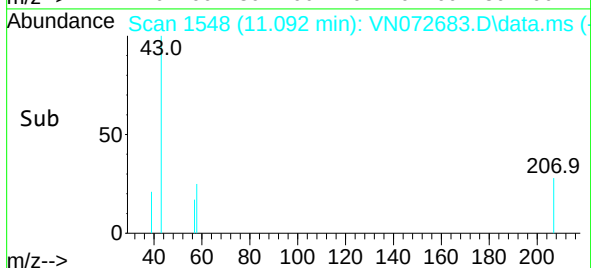
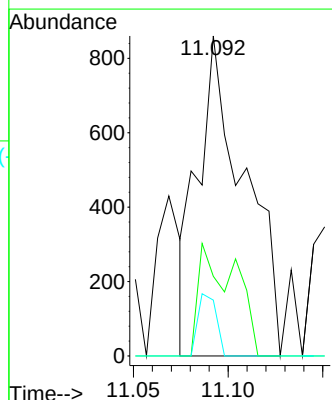
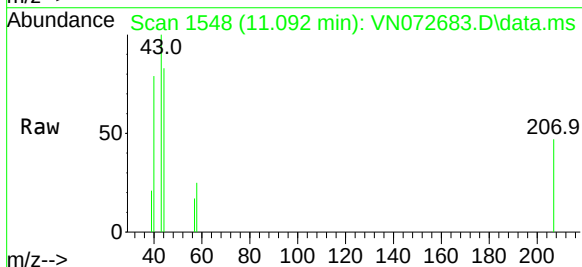
Instrument :
MSVOA_N
ClientSampleId :
14B-1

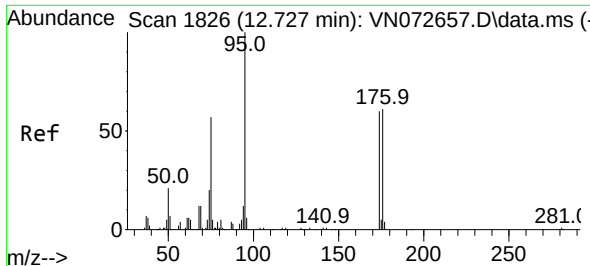
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
58 0.0 30.0 45.0#
85 0.0 15.0 22.6#



#59
2-Hexanone
Concen: 0.357 ug/l
RT: 11.092 min Scan# 1548
Delta R.T. 0.012 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Tgt Ion: 43 Resp: 1472
Ion Ratio Lower Upper
43 100
58 16.5 42.2 63.2#
57 7.6 15.0 22.4#

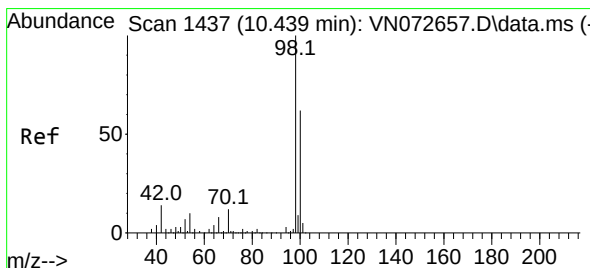
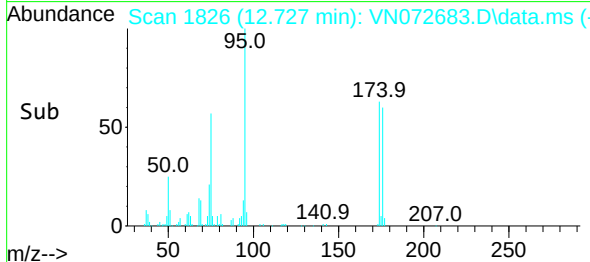
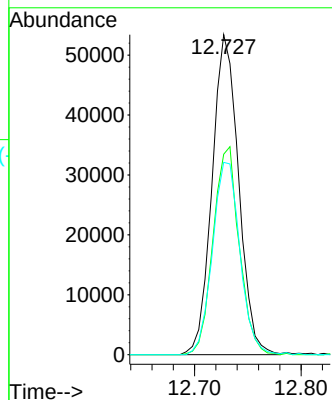
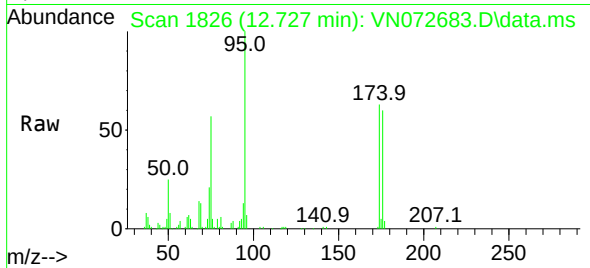




#60
4-Bromofluorobenzene
Concen: 24.783 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

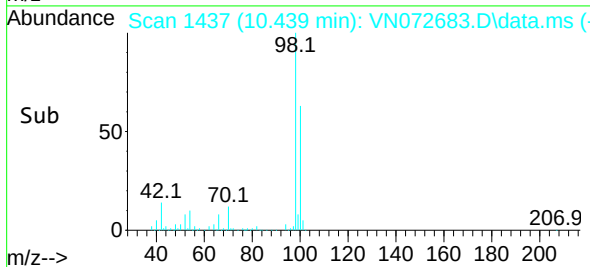
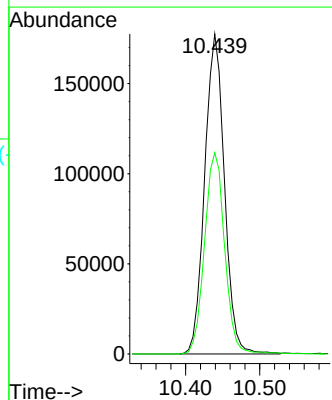
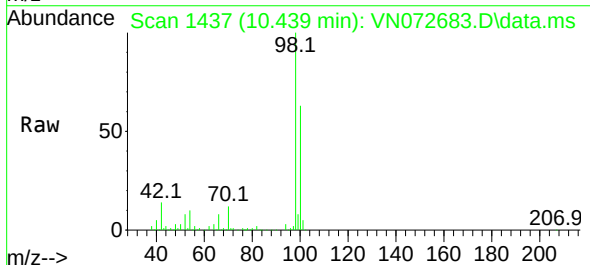
Instrument :
MSVOA_N
ClientSampleId :
14B-1

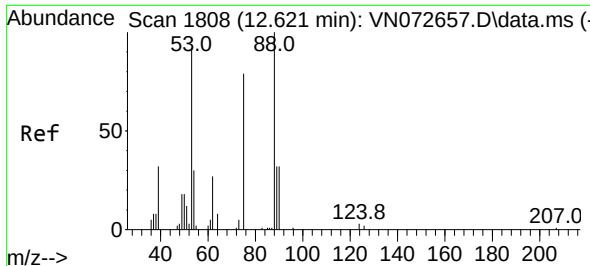
Tgt Ion: 95 Resp: 92381
Ion Ratio Lower Upper
95 100
174 63.9 62.9 94.3
176 62.2 61.0 91.4



#63
Toluene-d8
Concen: 32.782 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Tgt Ion: 98 Resp: 329120
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0

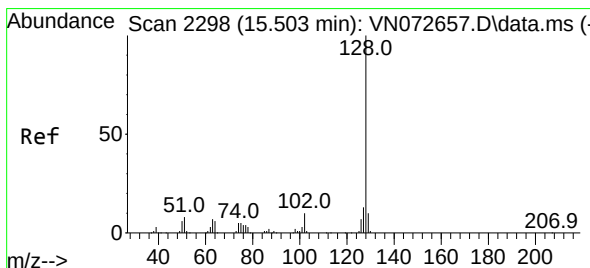
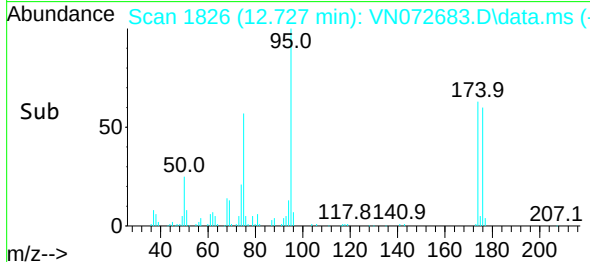
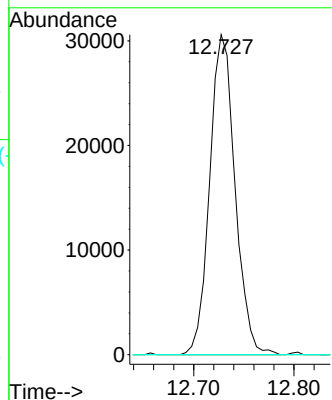
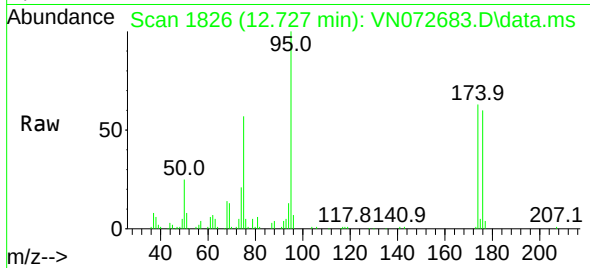




#77
t-1,4-Dichloro-2-butene
Concen: 31.482 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Instrument :
MSVOA_N
ClientSampleId :
14B-1

Tgt Ion: 75 Resp: 53771
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#



#91
Naphthalene
Concen: 0.275 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN072683.D
Acq: 07 Jun 2022 13:17

Tgt Ion: 128 Resp: 2667
Ion Ratio Lower Upper
128 100
127 6.9 10.7 16.1#
129 0.0 9.0 13.6#

