

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051122\
 Data File : VN072418.D
 Acq On : 11 May 2022 15:40
 Operator : JC\MD
 Sample : N2782-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB-220510

Quant Time: May 12 02:12:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051022W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 10 15:43:28 2022
 Response via : Initial Calibration

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

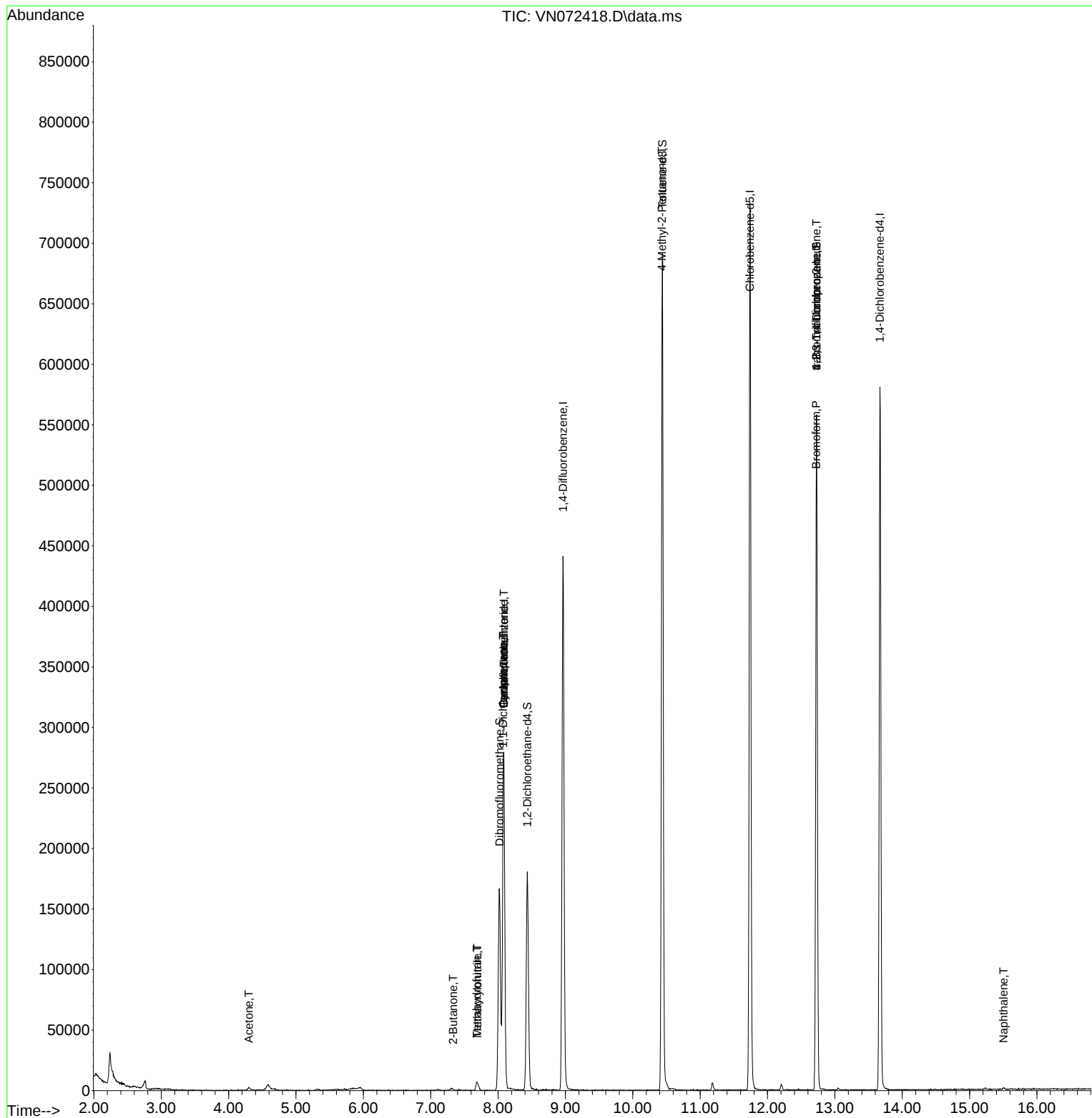
Internal Standards						
1) Pentafluorobenzene	8.086	168	205510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	379497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	415704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	162035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	161014	51.152	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.300%	
35) Dibromofluoromethane	8.022	113	120488	47.722	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 95.440%	
50) Toluene-d8	10.439	98	476547	49.559	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.120%	
62) 4-Bromofluorobenzene	12.727	95	188658	59.077	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 118.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1020	Below Cal	#	43
6) Chloroethane	3.028	64	161	Below Cal	#	42
16) Acetone	4.298	43	2967	2.380	ug/l	99
25) 2-Butanone	7.334	43	525	0.267	ug/l #	45
29) Tetrahydrofuran	7.686	42	5298	4.143	ug/l	91
31) Cyclohexane	8.081	56	4539	1.088	ug/l #	31
36) 1,1-Dichloropropene	8.075	75	17040	4.699	ug/l #	48
38) Carbon Tetrachloride	8.086	117	22717	5.597	ug/l #	17
41) Methacrylonitrile	7.692	41	3851	1.788	ug/l #	23
51) 4-Methyl-2-Pentanone	10.433	43	2269	0.547	ug/l #	1
71) Bromoform	12.721	173	795	0.317	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	103096	24.394	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	103096	81.381	ug/l #	10
95) Naphthalene	15.504	128	1859	3.401	ug/l #	78

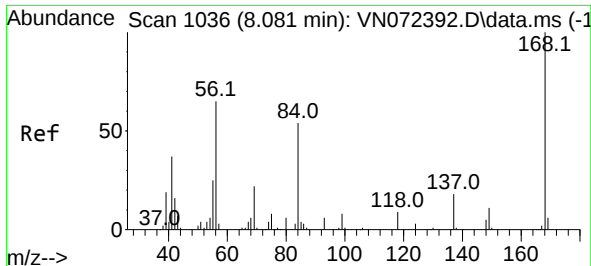
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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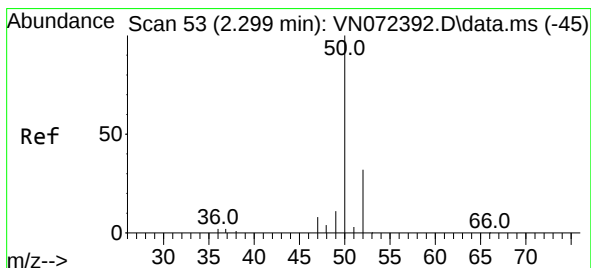
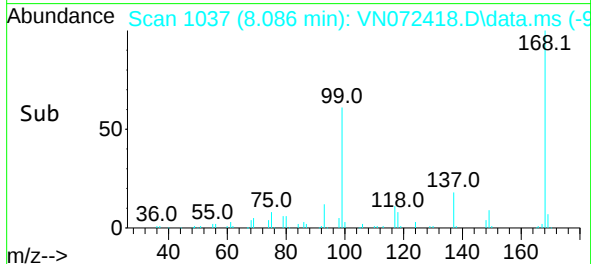
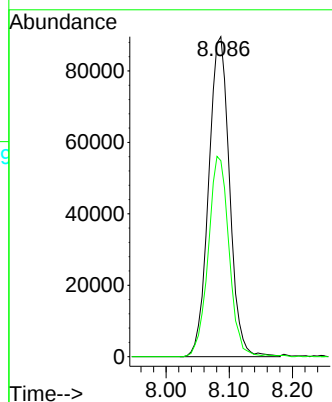
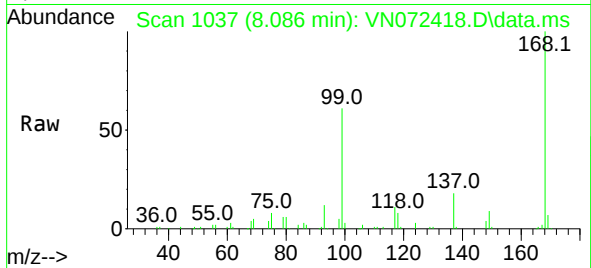




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

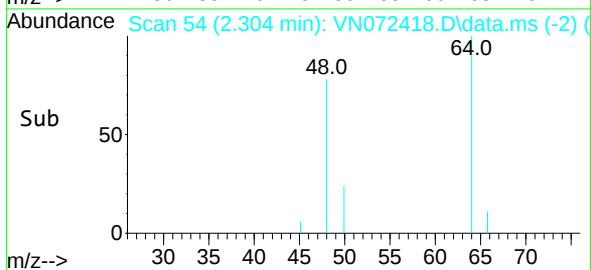
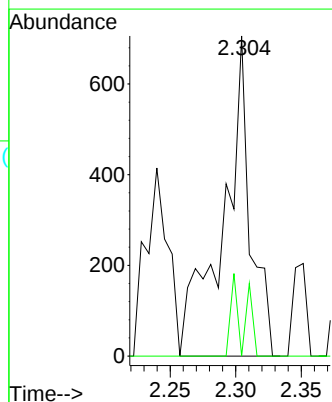
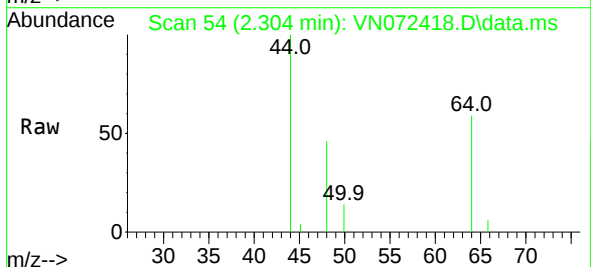
Instrument :
MSVOA_N
ClientSampleId :
RB-220510

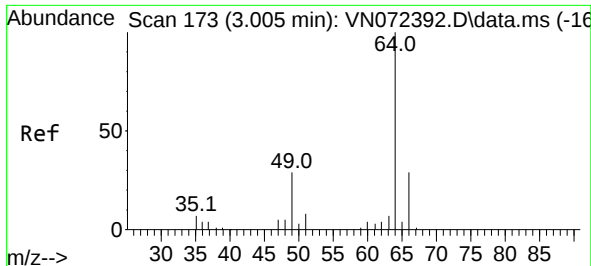
Tgt Ion:168 Resp: 205510
Ion Ratio Lower Upper
168 100
99 61.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

Tgt Ion: 50 Resp: 1020
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

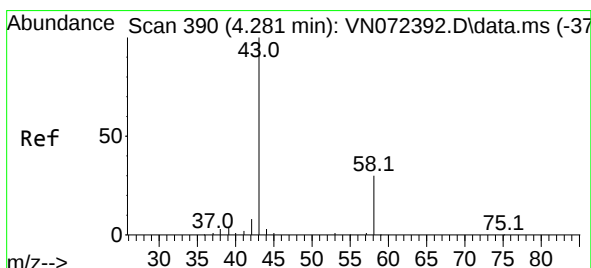
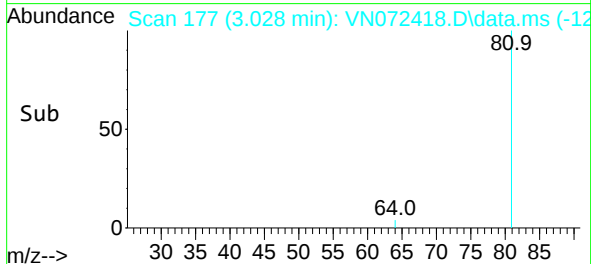
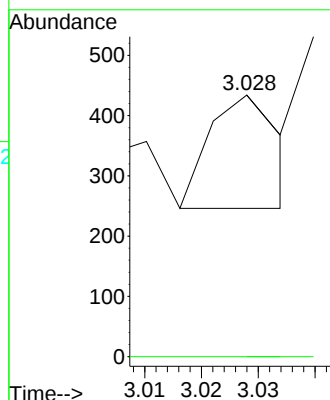
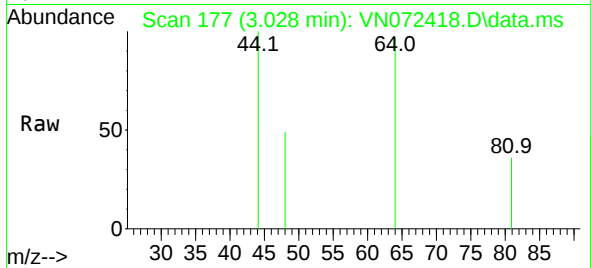




#6
Chloroethane
Concen: Below Cal
RT: 3.028 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

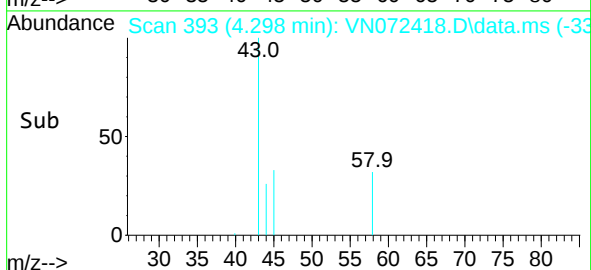
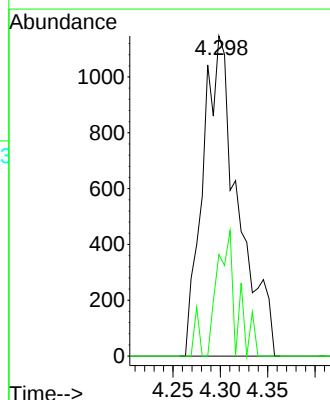
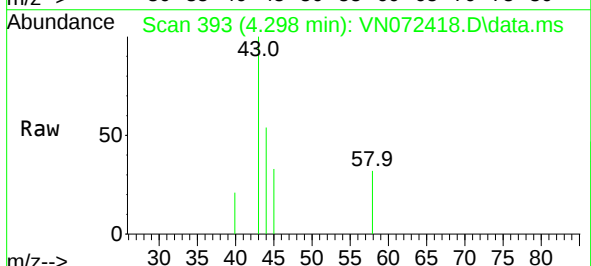
Instrument :
MSVOA_N
ClientSampleId :
RB-220510

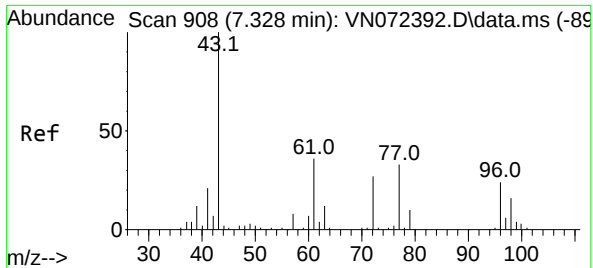
Tgt Ion: 64 Resp: 161
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#16
Acetone
Concen: 2.380 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

Tgt Ion: 43 Resp: 2967
Ion Ratio Lower Upper
43 100
58 31.7 26.0 39.0

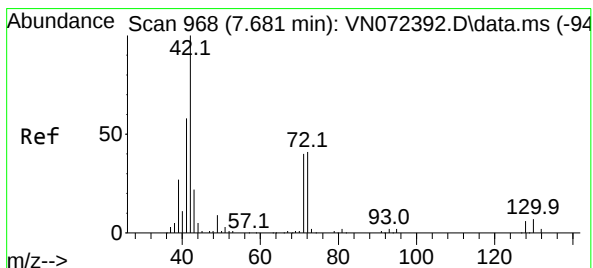
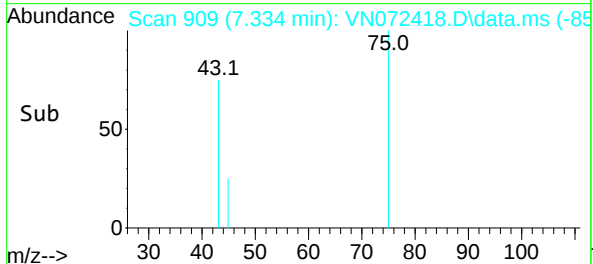
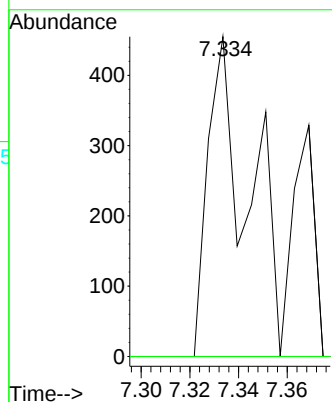
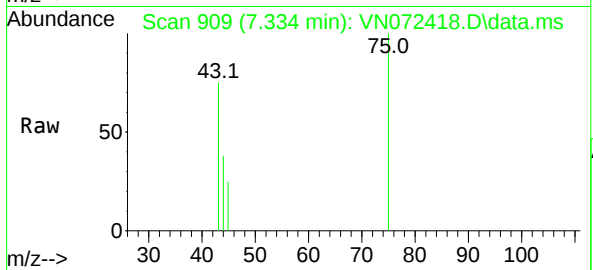




#25
2-Butanone
Concen: 0.267 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

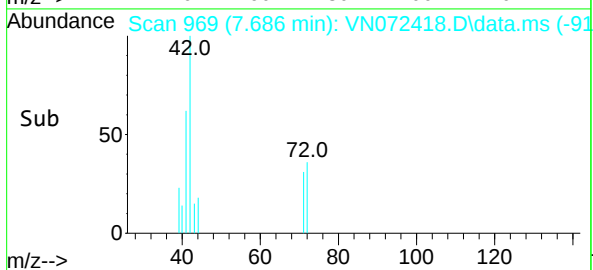
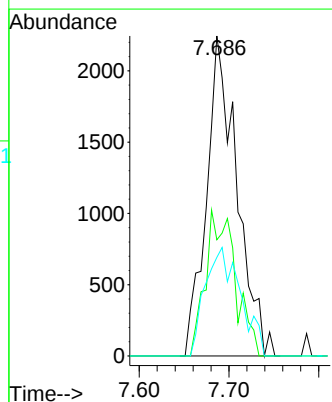
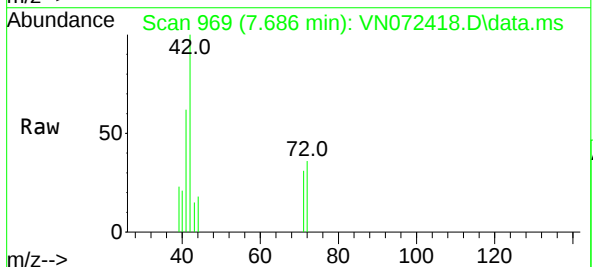
Instrument :
MSVOA_N
ClientSampleId :
RB-220510

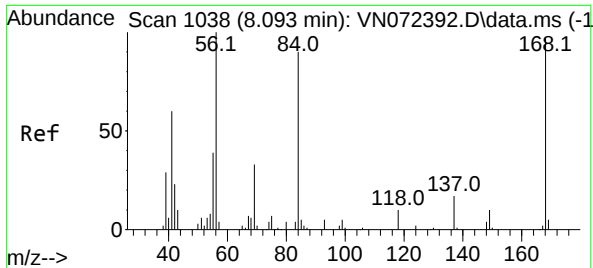
Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 4.143 ug/l
RT: 7.686 min Scan# 969
Delta R.T. 0.005 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

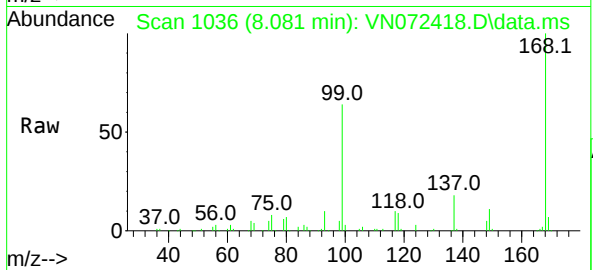
Tgt Ion: 42 Resp: 5298
Ion Ratio Lower Upper
42 100
72 44.2 39.7 59.5
71 39.2 36.6 55.0



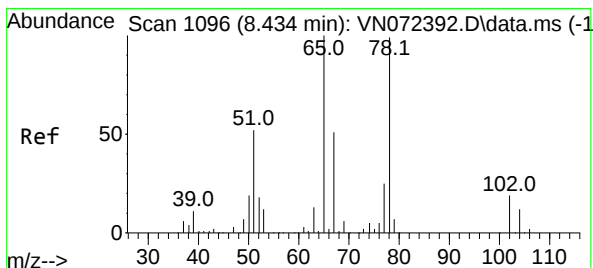
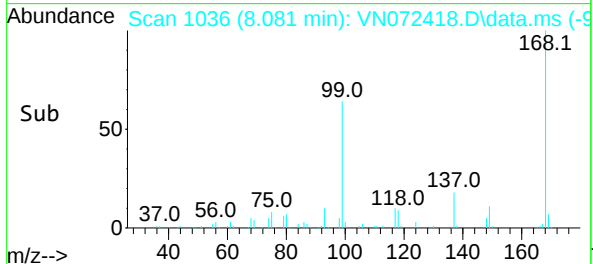
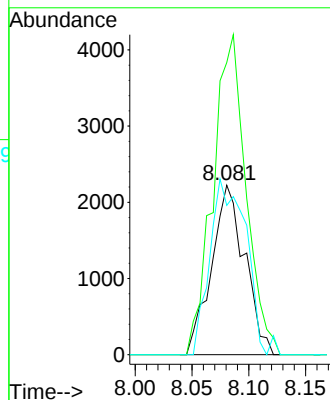


#31
Cyclohexane
Concen: 1.088 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

Instrument :
MSVOA_N
ClientSampleId :
RB-220510

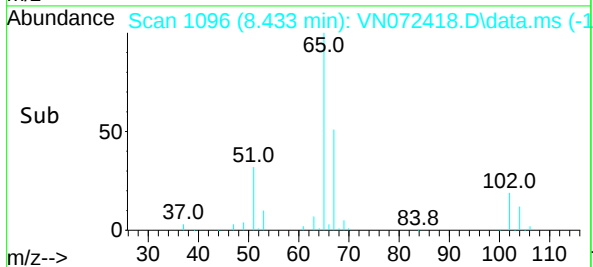
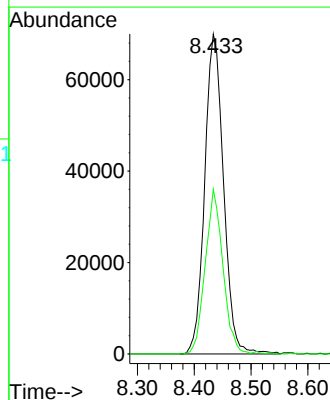
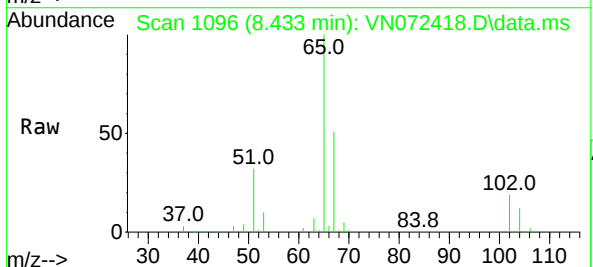


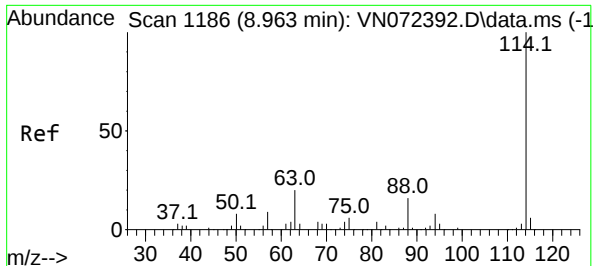
Tgt Ion: 56 Resp: 4539
Ion Ratio Lower Upper
56 100
69 172.4 27.8 41.8#
84 88.1 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 51.152 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

Tgt Ion: 65 Resp: 161014
Ion Ratio Lower Upper
65 100
67 48.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072418.D

Acq: 11 May 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

RB-220510

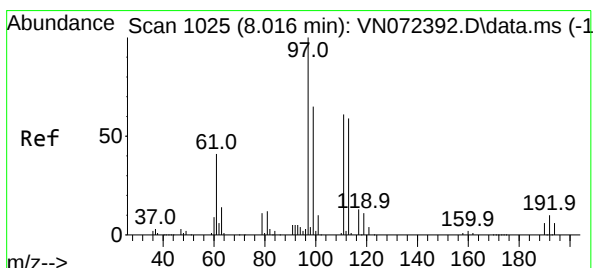
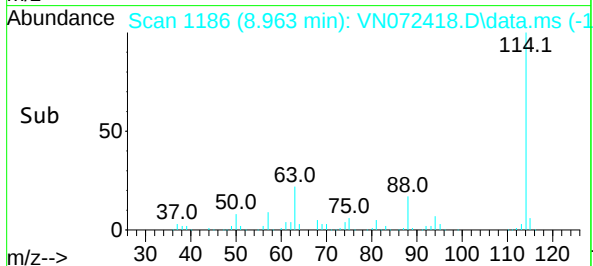
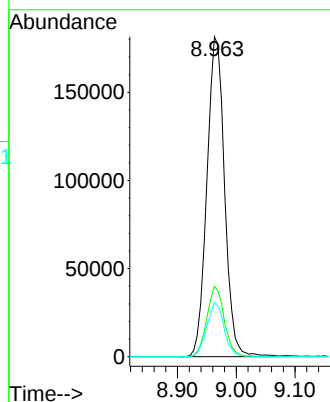
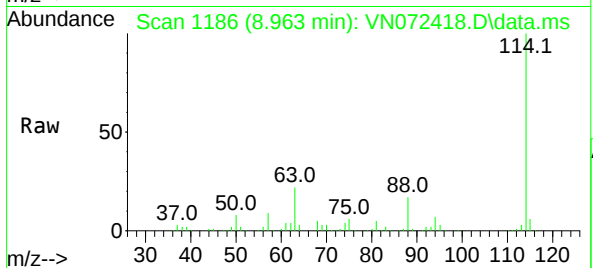
Tgt Ion:114 Resp: 379497

Ion Ratio Lower Upper

114 100

63 22.0 0.0 40.0

88 17.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.722 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072418.D

Acq: 11 May 2022 15:40

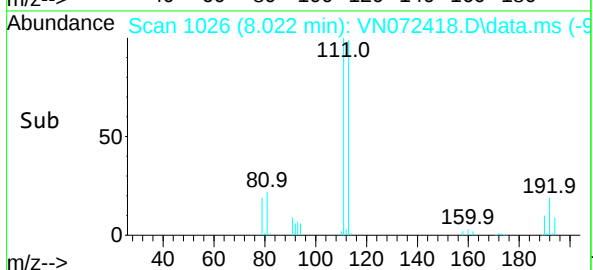
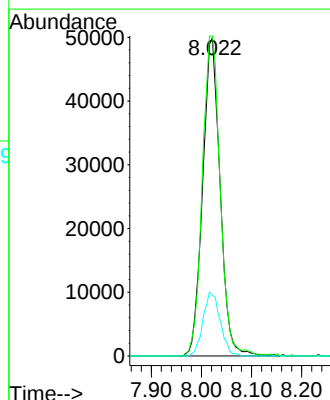
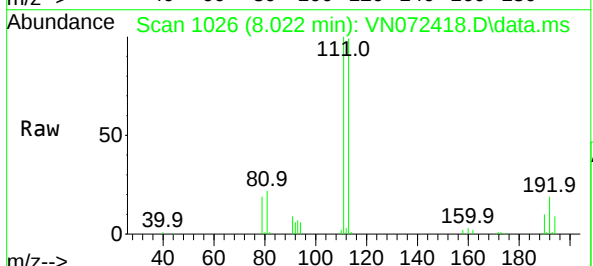
Tgt Ion:113 Resp: 120488

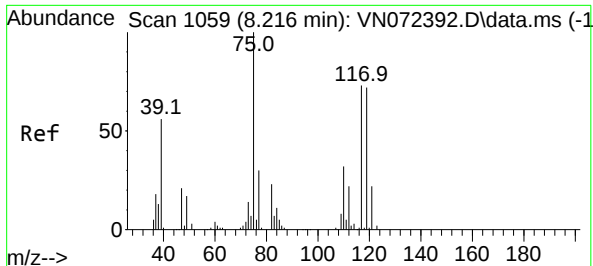
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 19.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.699 ug/l

RT: 8.075 min Scan# 1035

Delta R.T. -0.141 min

Lab File: VN072418.D

Acq: 11 May 2022 15:40

Instrument :

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ClientSampleId :

RB-220510

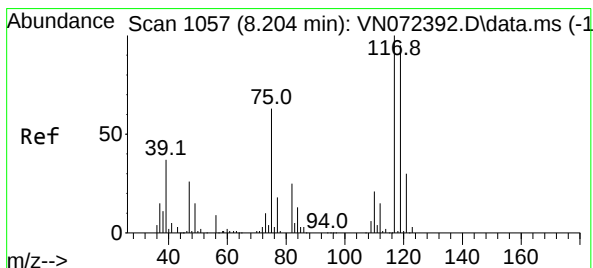
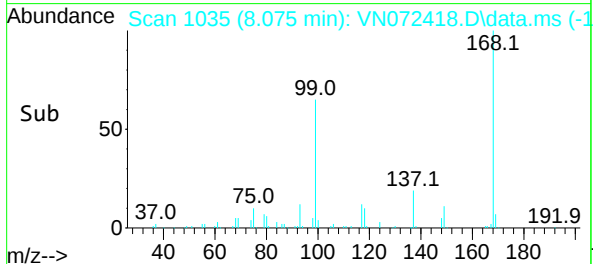
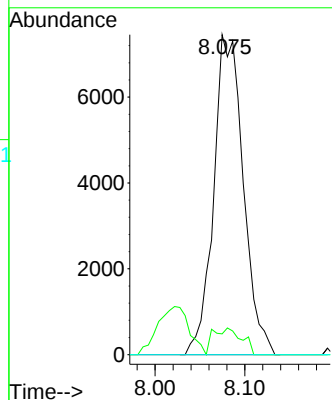
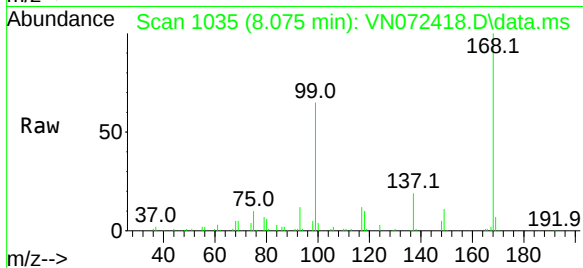
Tgt Ion: 75 Resp: 17040

Ion Ratio Lower Upper

75 100

110 8.0 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.597 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.118 min

Lab File: VN072418.D

Acq: 11 May 2022 15:40

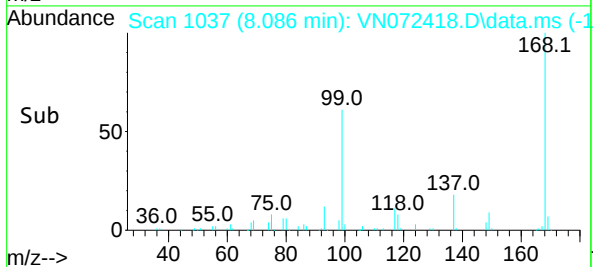
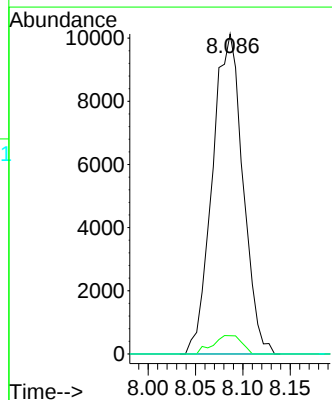
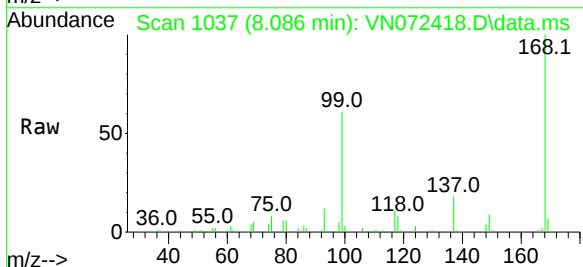
Tgt Ion: 117 Resp: 22717

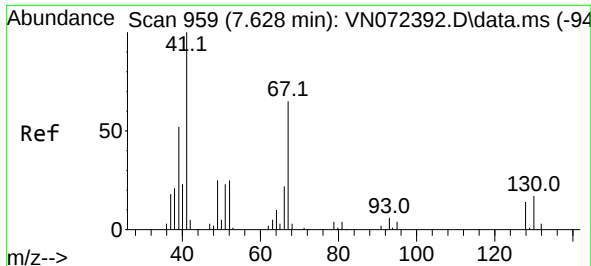
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.8#

121 0.0 24.6 37.0#

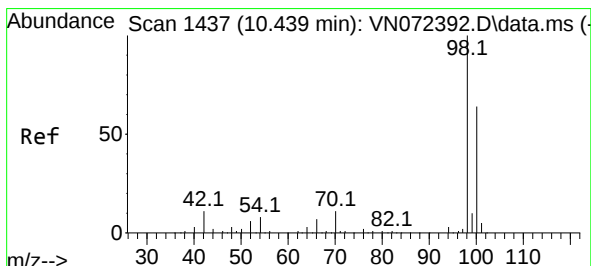
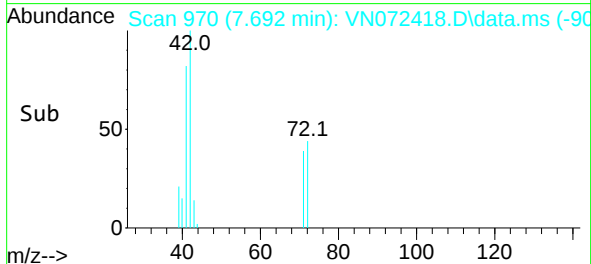
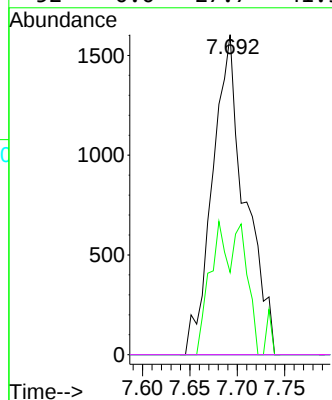
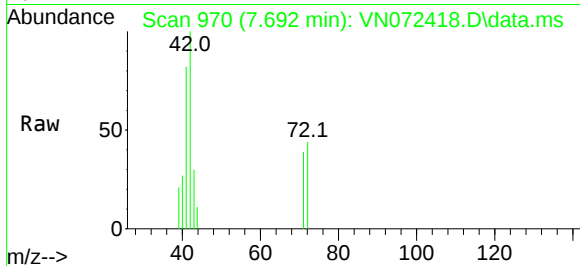




#41
Methacrylonitrile
Concen: 1.788 ug/l
RT: 7.692 min Scan# 91
Delta R.T. 0.064 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

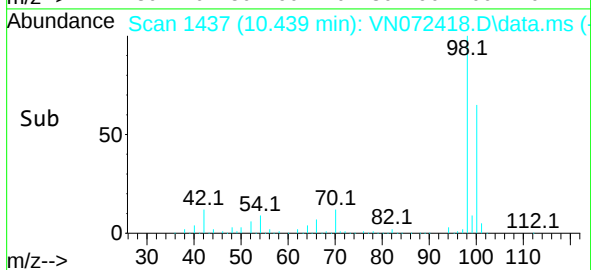
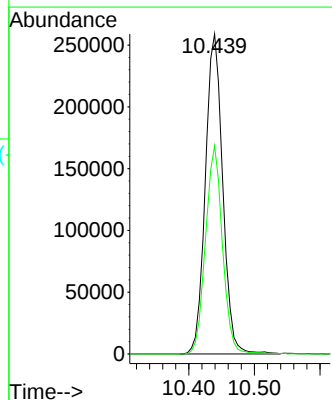
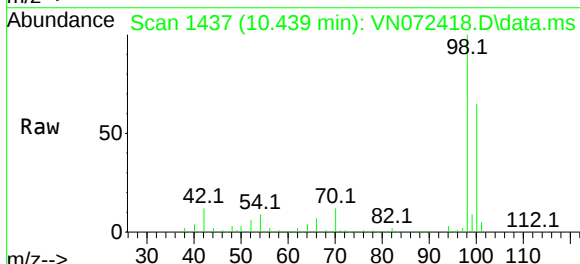
Instrument :
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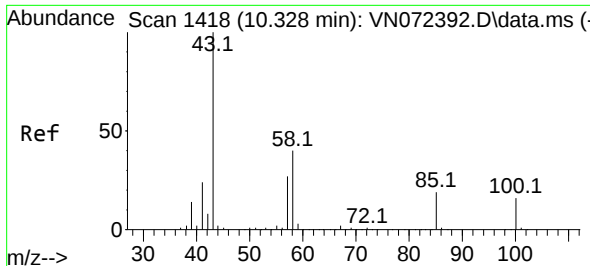
Tgt Ion:	41	Resp:	3851
Ion	Ratio	Lower	Upper
41	100		
39	17.8	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#50
Toluene-d8
Concen: 49.559 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

Tgt Ion:	98	Resp:	476547
Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 0.547 ug/l

RT: 10.433 min Scan# 1418

Delta R.T. 0.105 min

Lab File: VN072418.D

Acq: 11 May 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

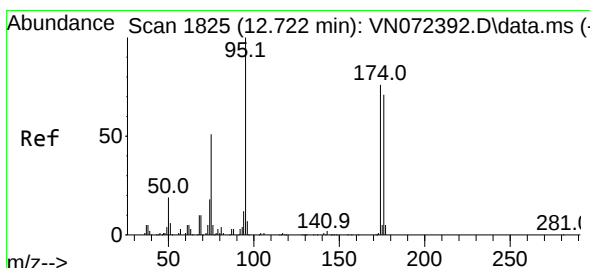
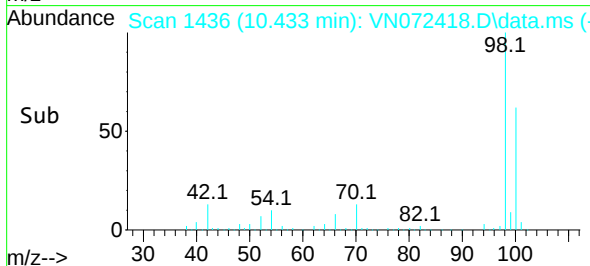
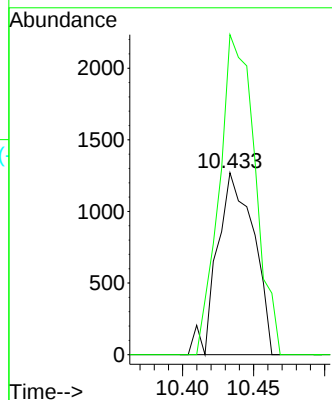
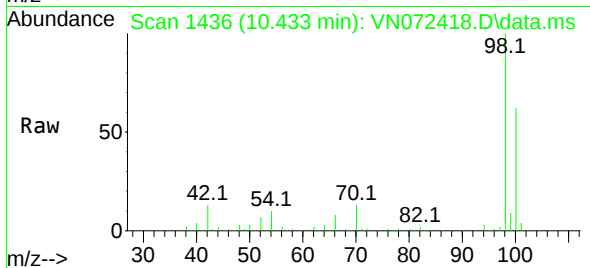
RB-220510

Tgt Ion: 43 Resp: 2269

Ion Ratio Lower Upper

43 100

58 172.4 34.1 51.1#



#62

4-Bromofluorobenzene

Concen: 59.077 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.005 min

Lab File: VN072418.D

Acq: 11 May 2022 15:40

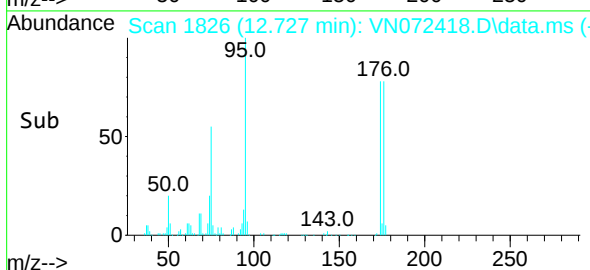
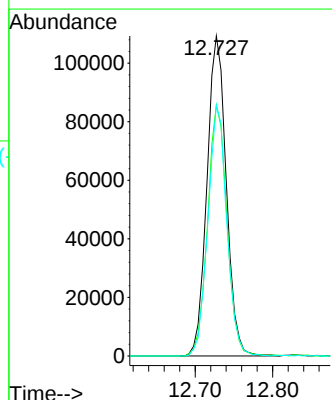
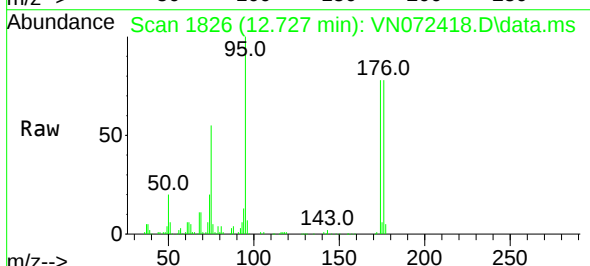
Tgt Ion: 95 Resp: 188658

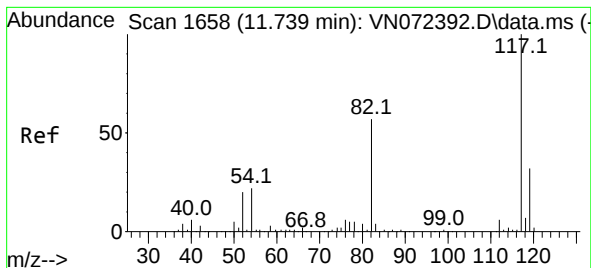
Ion Ratio Lower Upper

95 100

174 78.6 0.0 167.6

176 76.7 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072418.D

Acq: 11 May 2022 15:40

Instrument :

MSVOA_N

ClientSampleId :

RB-220510

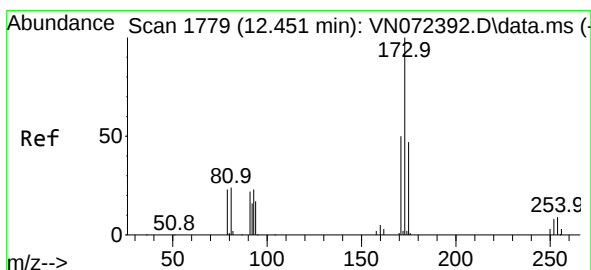
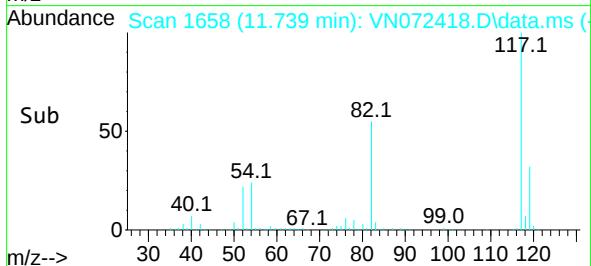
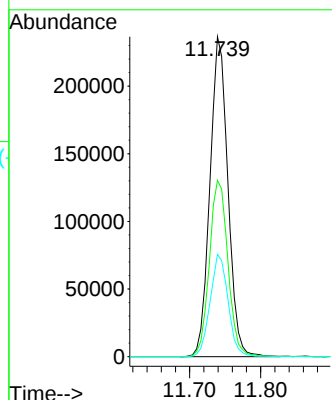
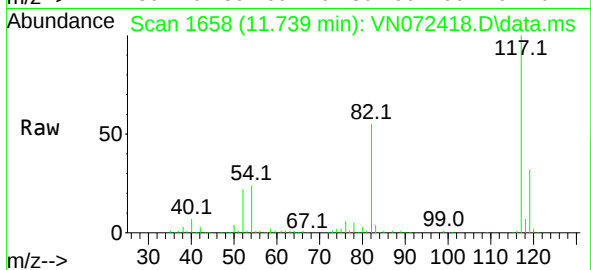
Tgt Ion:117 Resp: 415704

Ion Ratio Lower Upper

117 100

82 55.1 44.2 66.2

119 32.0 25.4 38.0



#71

Bromoform

Concen: 0.317 ug/l

RT: 12.721 min Scan# 1825

Delta R.T. 0.270 min

Lab File: VN072418.D

Acq: 11 May 2022 15:40

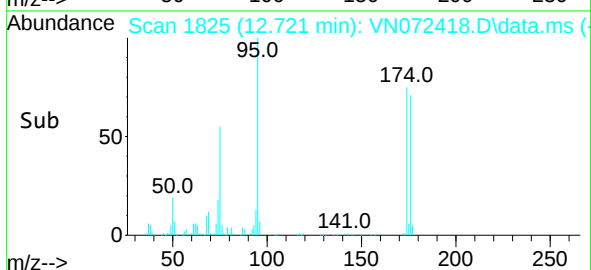
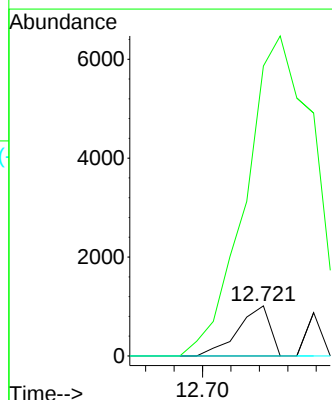
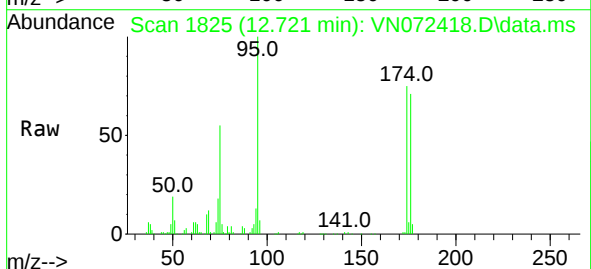
Tgt Ion:173 Resp: 795

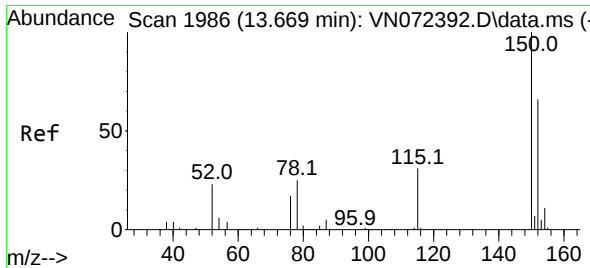
Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

254 0.0 0.1 0.1#

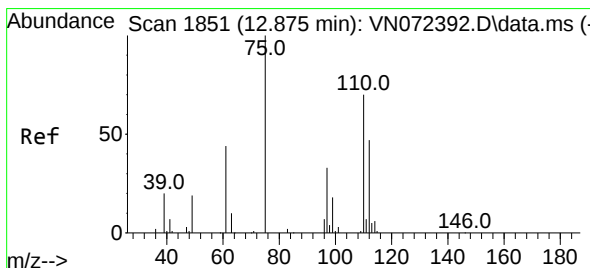
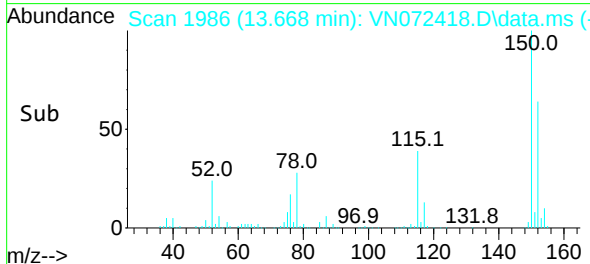
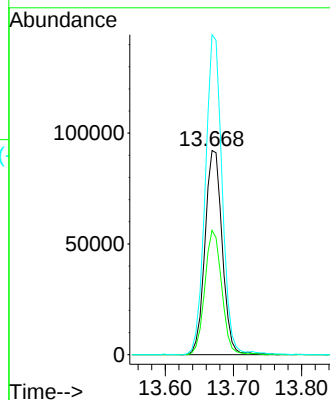
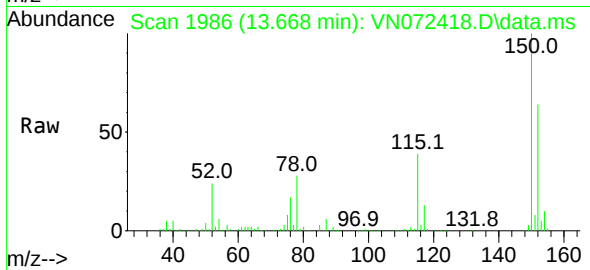




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.668 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN072418.D
 Acq: 11 May 2022 15:40

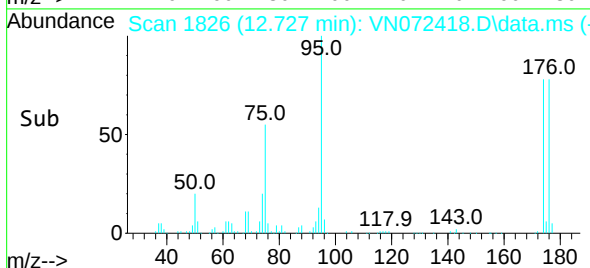
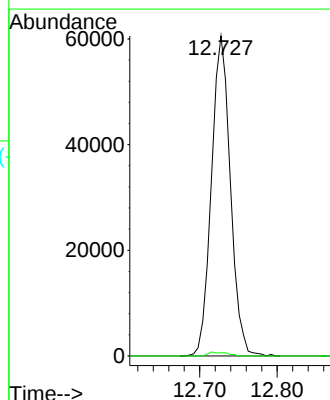
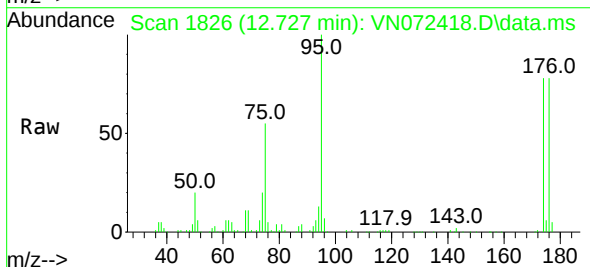
Instrument :
 MSVOA_N
 ClientSampleId :
 RB-220510

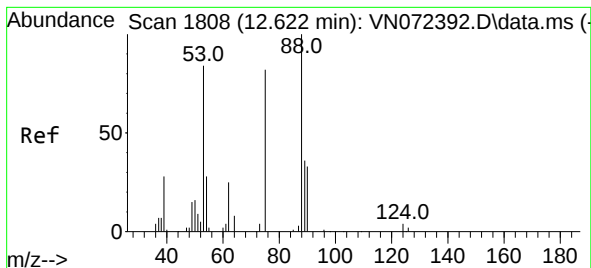
Tgt Ion:152 Resp: 162035
 Ion Ratio Lower Upper
 152 100
 115 59.6 28.9 86.7
 150 153.5 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.394 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.148 min
 Lab File: VN072418.D
 Acq: 11 May 2022 15:40

Tgt Ion: 75 Resp: 103096
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

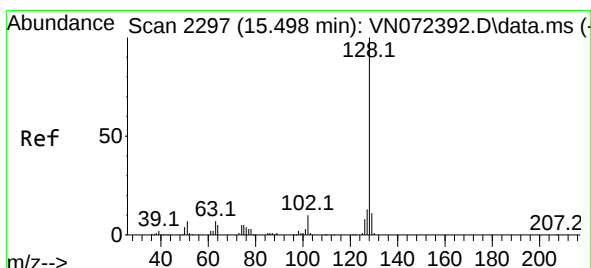
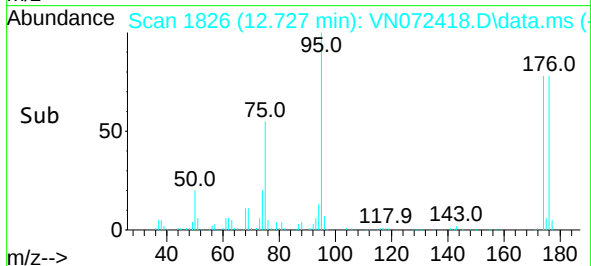
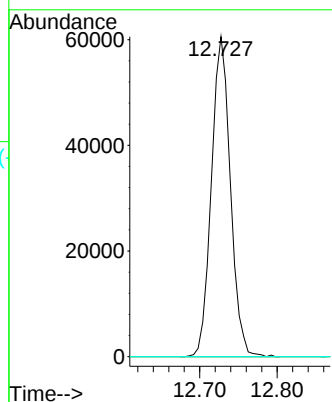
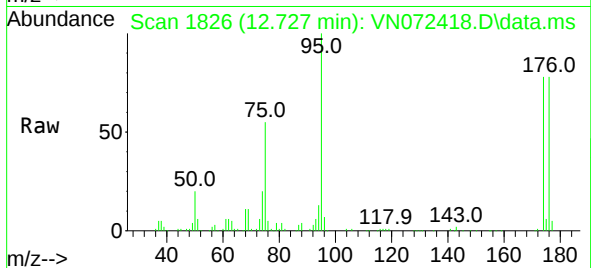




#81
trans-1,4-Dichloro-2-butene
Concen: 81.381 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

Instrument :
MSVOA_N
ClientSampleId :
RB-220510

Tgt Ion: 75 Resp: 103096
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 3.401 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN072418.D
Acq: 11 May 2022 15:40

Tgt Ion: 128 Resp: 1859
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 6.9 8.6 13.0#

