

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072599.D
 Acq On : 24 May 2022 20:30
 Operator : JC\MD
 Sample : N2990-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RB-220517

Quant Time: May 25 09:21:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

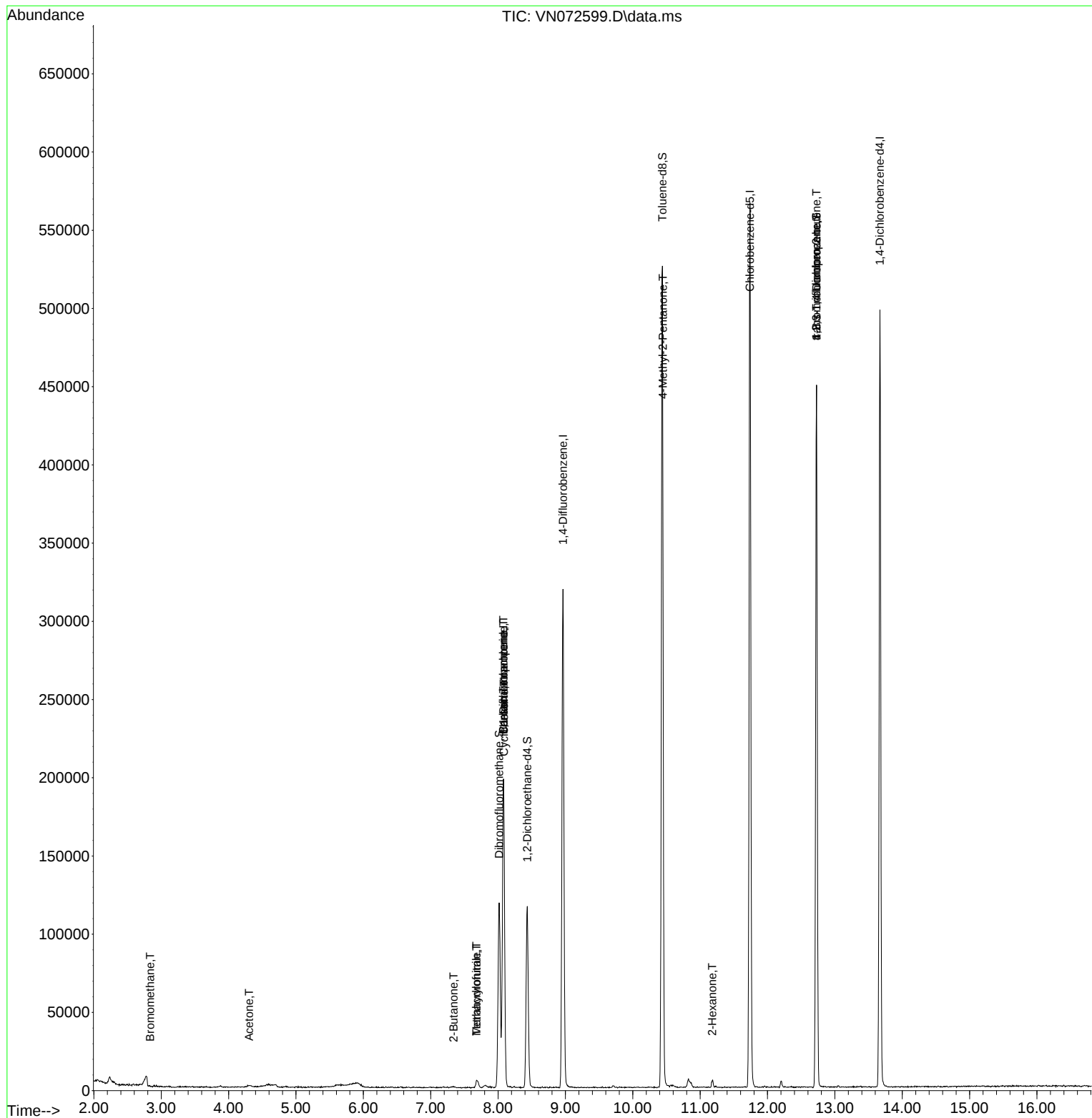
Internal Standards						
1) Pentafluorobenzene	8.081	168	162019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	294643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	345625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	143793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	93948	50.976	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.960%			
35) Dibromofluoromethane	8.016	113	87270	45.699	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 91.400%			
50) Toluene-d8	10.439	98	375457	51.491	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.980%			
62) 4-Bromofluorobenzene	12.727	95	150647	63.522	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 127.040%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	581	Below Cal	#	43
5) Bromomethane	2.834	94	257	1.725	ug/l	81
6) Chloroethane	2.993	64	919	Below Cal	#	42
16) Acetone	4.304	43	1484	1.638	ug/l	95
18) Methyl Acetate	4.863	43	494	Below Cal	#	48
25) 2-Butanone	7.340	43	1062	0.695	ug/l	90
29) Tetrahydrofuran	7.681	42	3979	4.184	ug/l	89
31) Cyclohexane	8.087	56	2609	0.894	ug/l #	9
36) 1,1-Dichloropropene	8.081	75	11171	4.135	ug/l #	50
38) Carbon Tetrachloride	8.081	117	14821	5.197	ug/l #	17
41) Methacrylonitrile	7.681	41	2437	1.371	ug/l #	32
51) 4-Methyl-2-Pentanone	10.445	43	1107	0.323	ug/l #	1
59) 2-Hexanone	11.180	43	958	0.394	ug/l #	21
76) 1,2,3-Trichloropropane	12.727	75	73163	18.741	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	73163	54.998	ug/l #	10

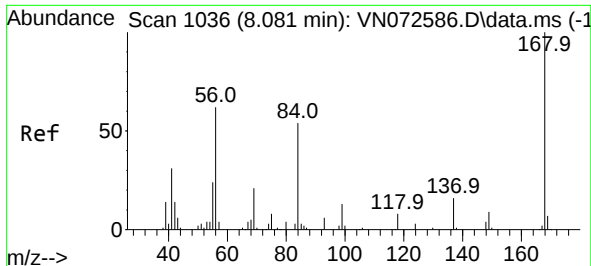
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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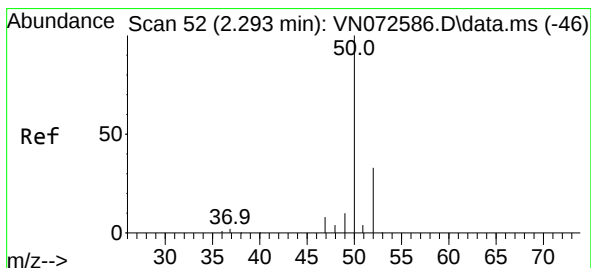
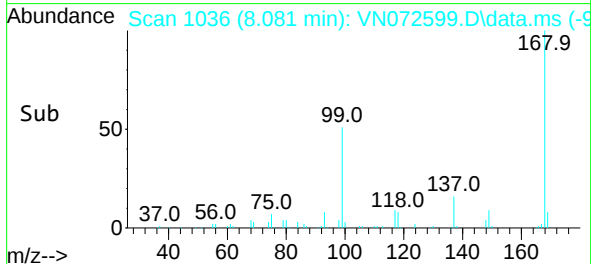
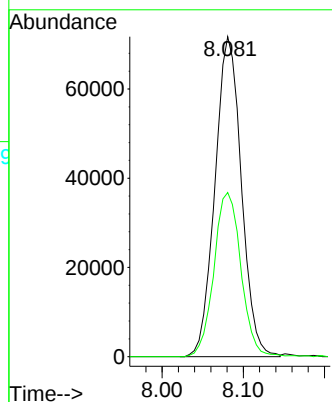
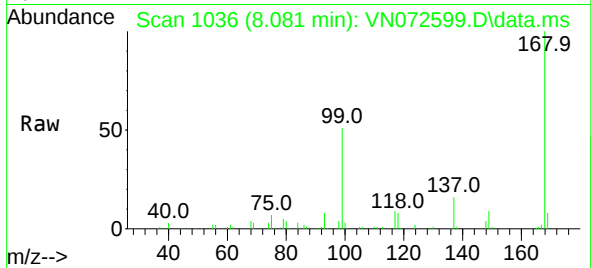




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072599.D
Acq: 24 May 2022 20:30

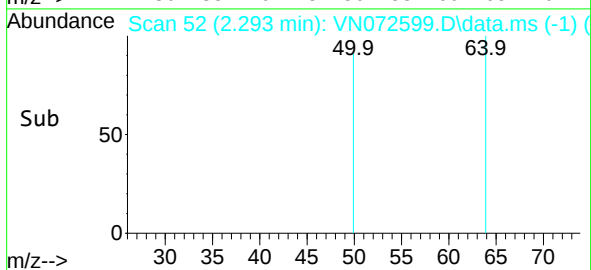
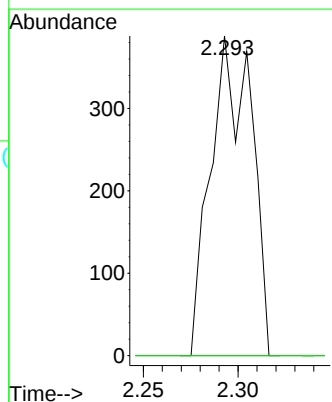
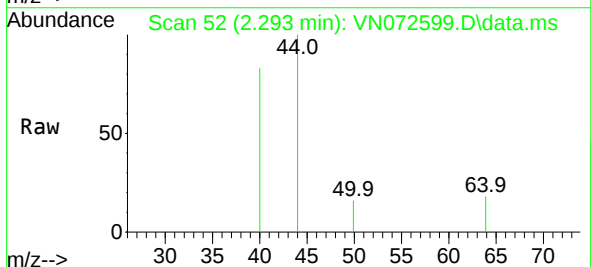
Instrument :
MSVOA_N
ClientSampleId :
RB-220517

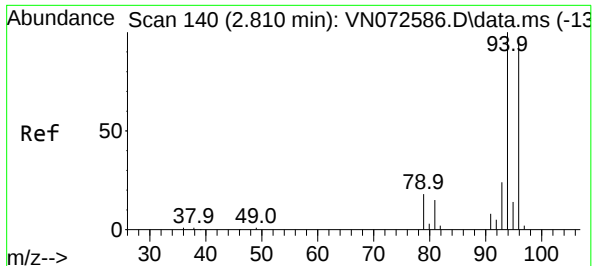
Tgt Ion:168 Resp: 162019
Ion Ratio Lower Upper
168 100
99 51.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN072599.D
Acq: 24 May 2022 20:30

Tgt Ion: 50 Resp: 581
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#





#5

Bromomethane

Concen: 1.725 ug/l

RT: 2.834 min Scan# 14

Delta R.T. 0.024 min

Lab File: VN072599.D

Acq: 24 May 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :

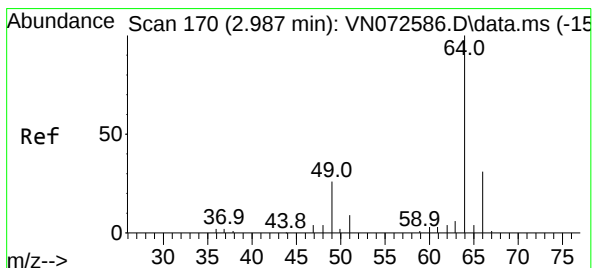
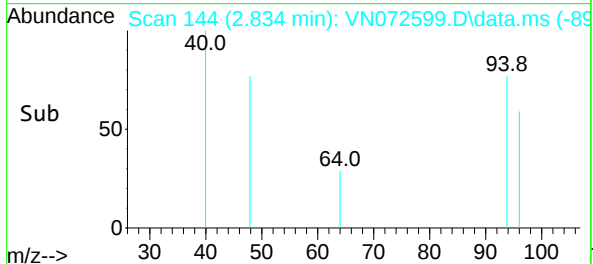
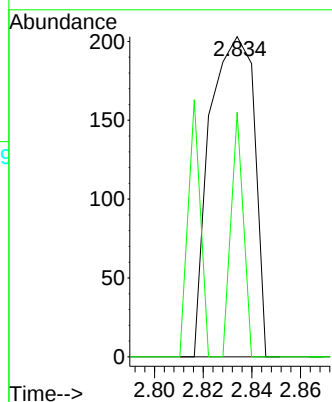
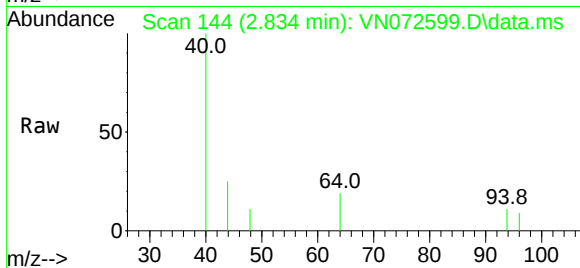
RB-220517

Tgt Ion: 94 Resp: 257

Ion Ratio Lower Upper

94 100

96 76.4 76.0 114.0



#6

Chloroethane

Concen: Below Cal

RT: 2.993 min Scan# 171

Delta R.T. 0.006 min

Lab File: VN072599.D

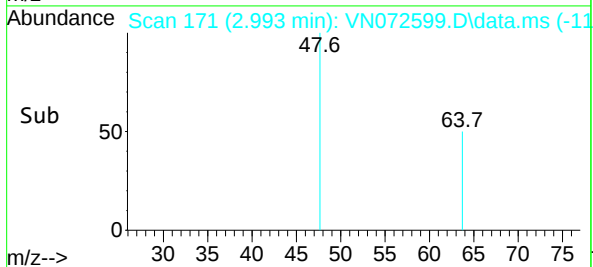
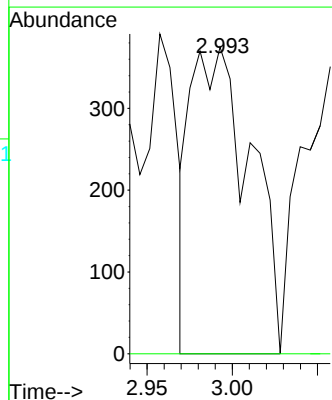
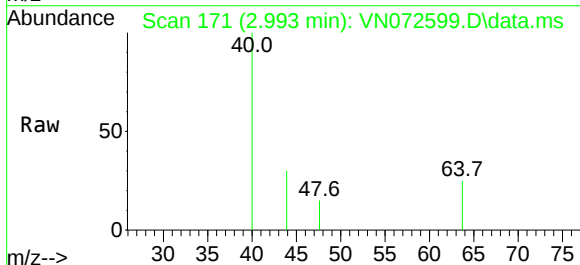
Acq: 24 May 2022 20:30

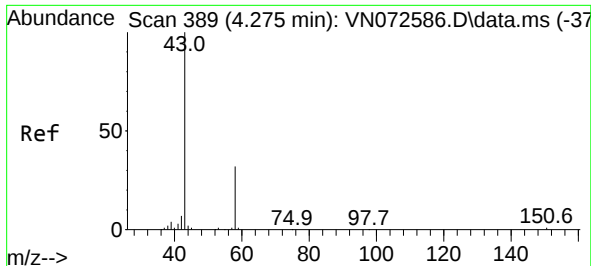
Tgt Ion: 64 Resp: 919

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#





#16

Acetone

Concen: 1.638 ug/l

RT: 4.304 min Scan# 394

Delta R.T. 0.029 min

Lab File: VN072599.D

Acq: 24 May 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :

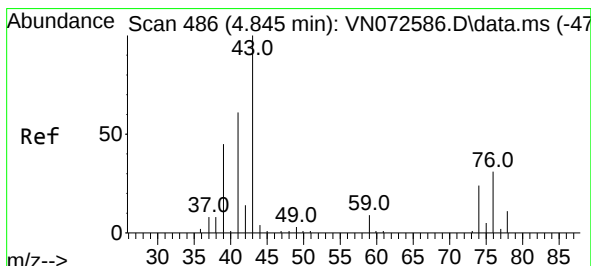
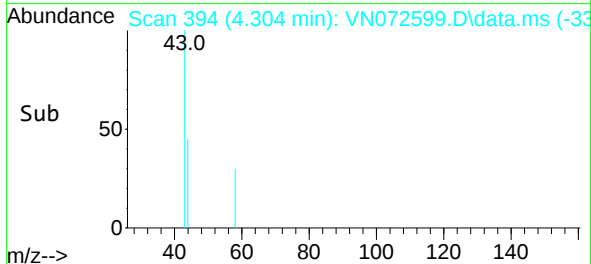
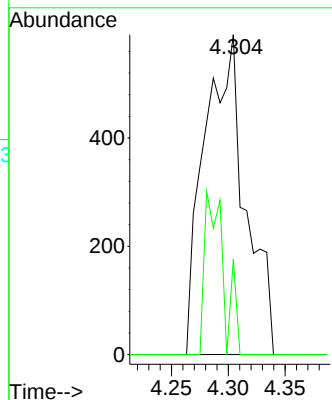
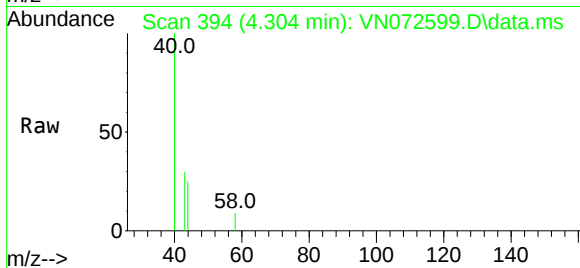
RB-220517

Tgt Ion: 43 Resp: 1484

Ion Ratio Lower Upper

43 100

58 29.8 26.0 39.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.863 min Scan# 489

Delta R.T. 0.018 min

Lab File: VN072599.D

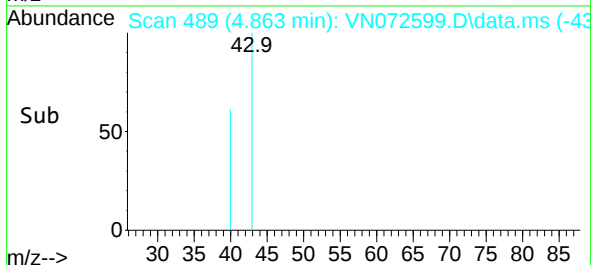
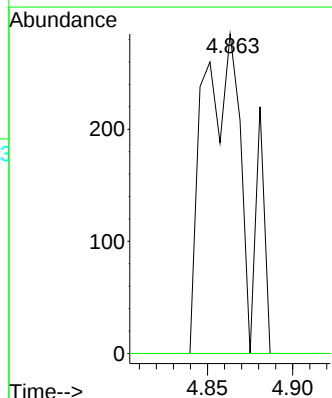
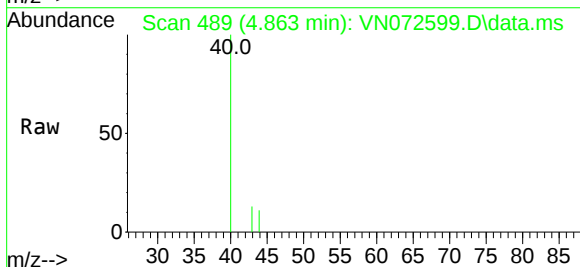
Acq: 24 May 2022 20:30

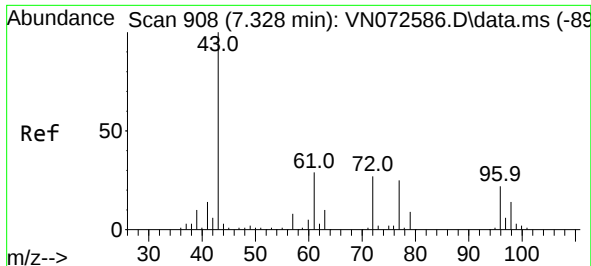
Tgt Ion: 43 Resp: 494

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#





#25

2-Butanone

Concen: 0.695 ug/l

RT: 7.340 min Scan# 910

Delta R.T. 0.012 min

Lab File: VN072599.D

Acq: 24 May 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :

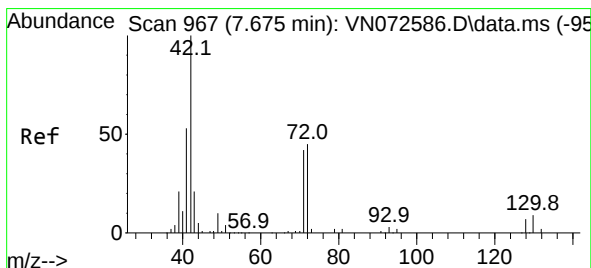
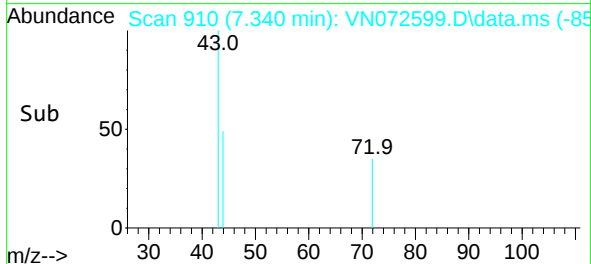
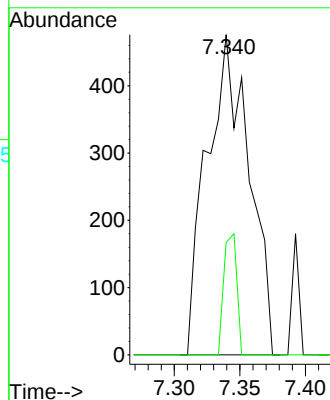
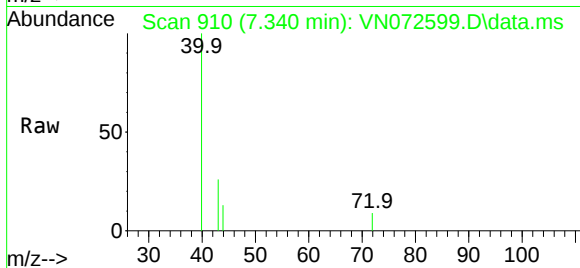
RB-220517

Tgt Ion: 43 Resp: 1062

Ion Ratio Lower Upper

43 100

72 35.1 23.7 35.5



#29

Tetrahydrofuran

Concen: 4.184 ug/l

RT: 7.681 min Scan# 968

Delta R.T. 0.006 min

Lab File: VN072599.D

Acq: 24 May 2022 20:30

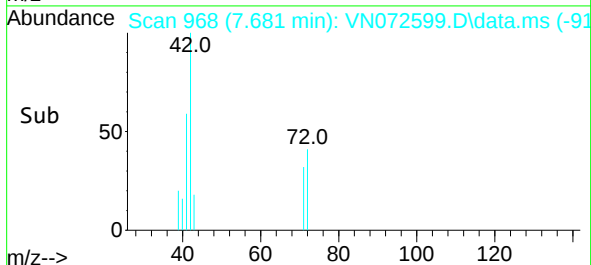
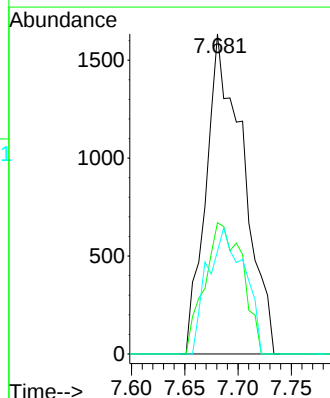
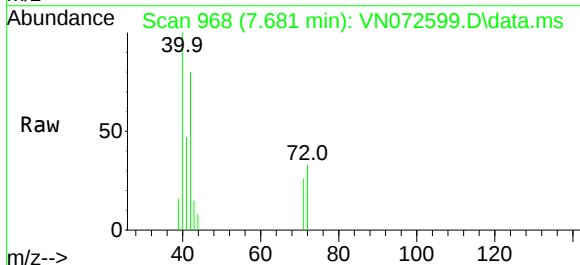
Tgt Ion: 42 Resp: 3979

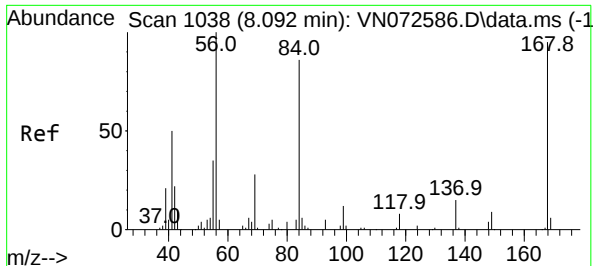
Ion Ratio Lower Upper

42 100

72 41.4 39.7 59.5

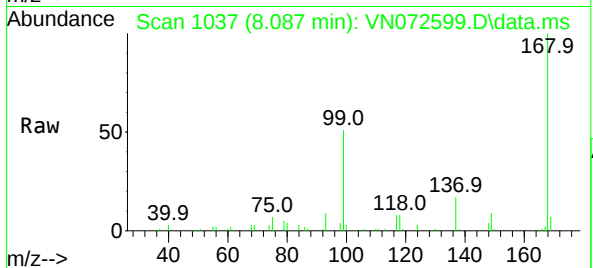
71 38.9 36.6 55.0



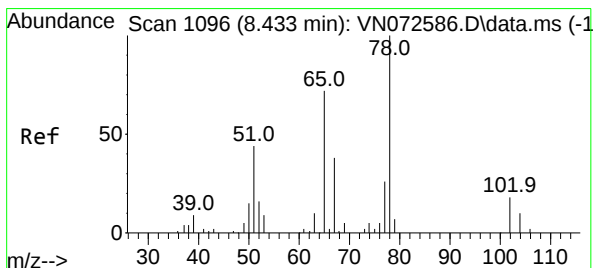
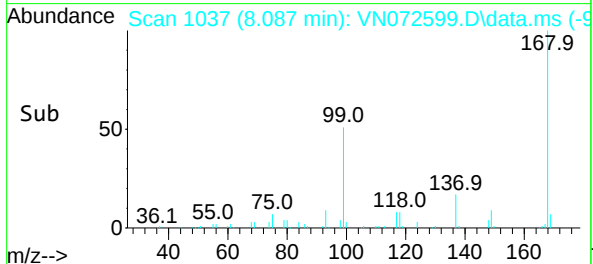
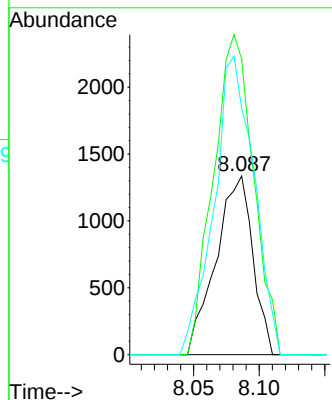


#31
Cyclohexane
Concen: 0.894 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. -0.005 min
Lab File: VN072599.D
Acq: 24 May 2022 20:30

Instrument :
MSVOA_N
ClientSampleId :
RB-220517

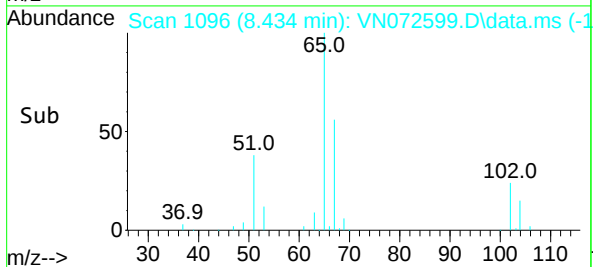
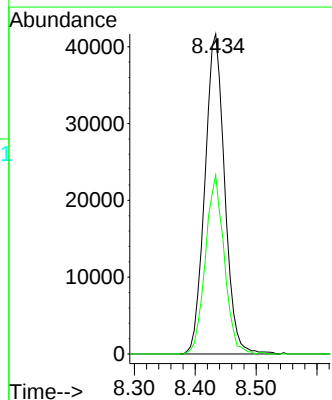
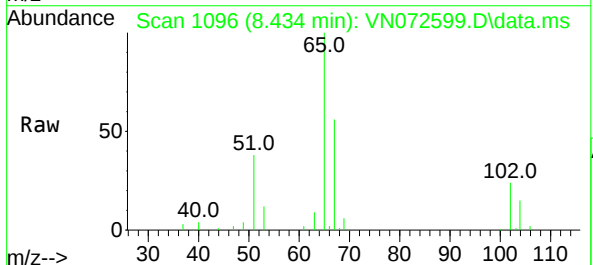


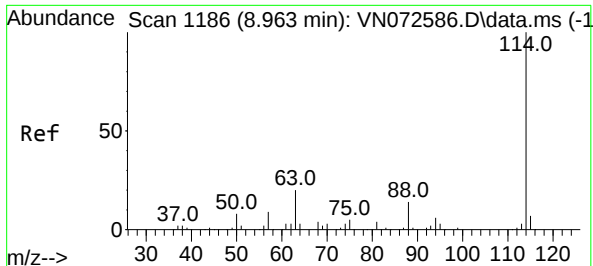
Tgt Ion: 56 Resp: 2609
Ion Ratio Lower Upper
56 100
69 165.5 27.8 41.8#
84 138.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.976 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.001 min
Lab File: VN072599.D
Acq: 24 May 2022 20:30

Tgt Ion: 65 Resp: 93948
Ion Ratio Lower Upper
65 100
67 53.1 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: VN072599.D

Acq: 24 May 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :

RB-220517

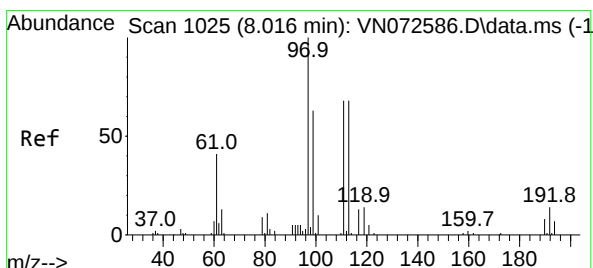
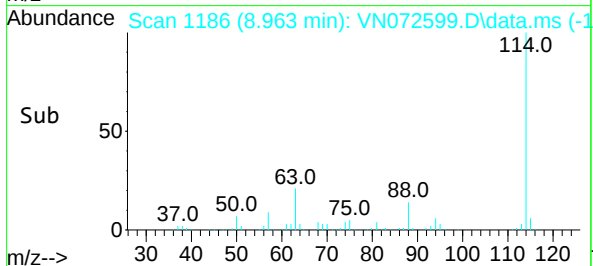
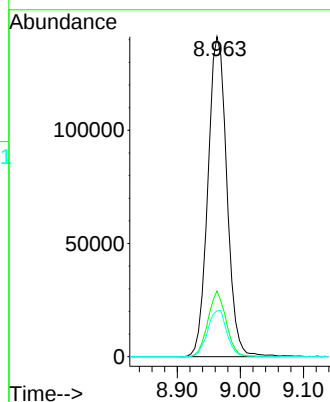
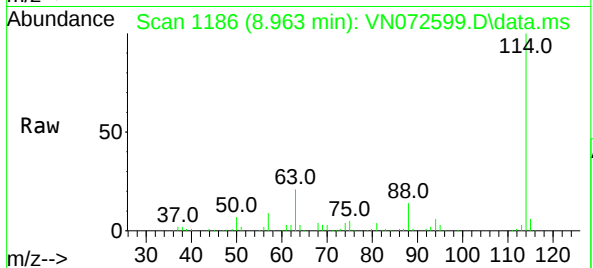
Tgt Ion:114 Resp: 294643

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.0

88 14.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.699 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072599.D

Acq: 24 May 2022 20:30

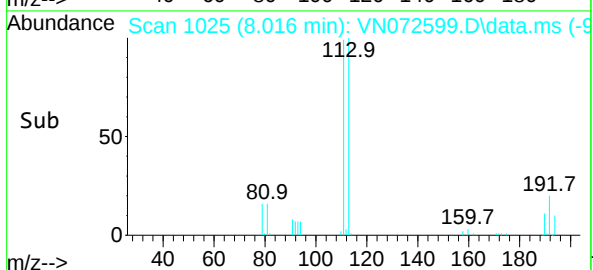
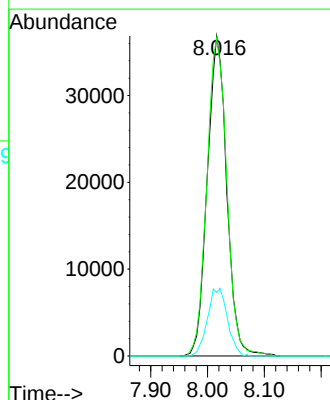
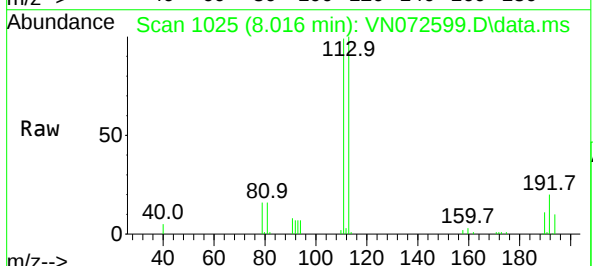
Tgt Ion:113 Resp: 87270

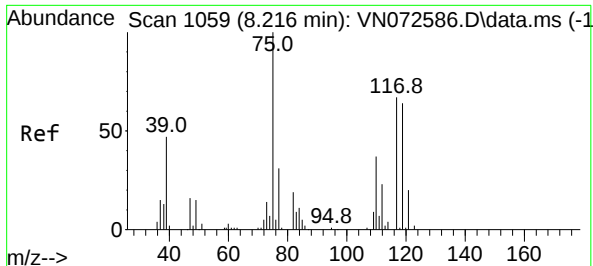
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 21.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.135 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.135 min

Lab File: VN072599.D

Acq: 24 May 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :

RB-220517

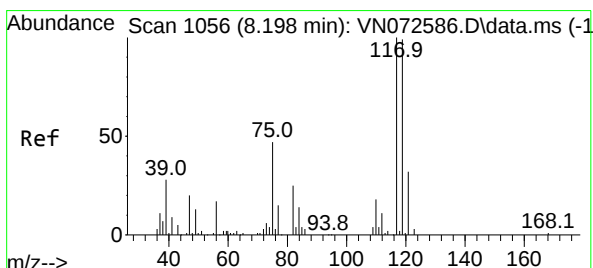
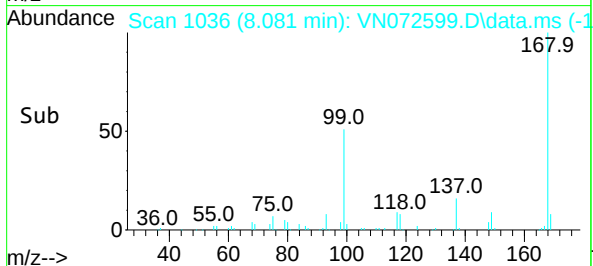
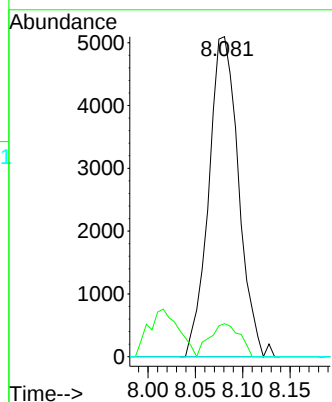
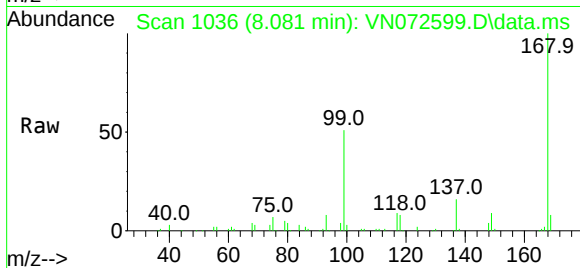
Tgt Ion: 75 Resp: 11171

Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.197 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.117 min

Lab File: VN072599.D

Acq: 24 May 2022 20:30

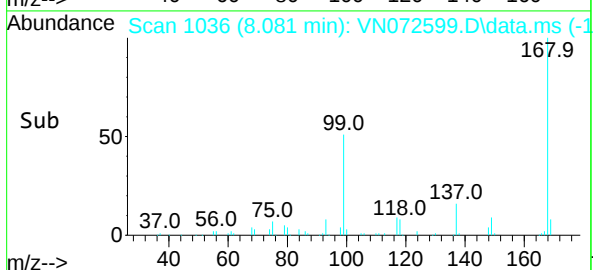
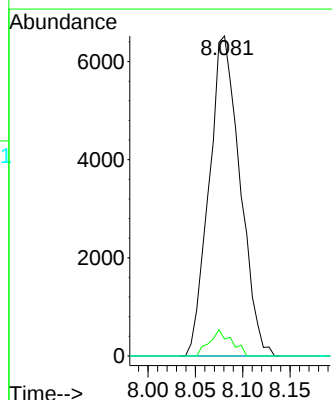
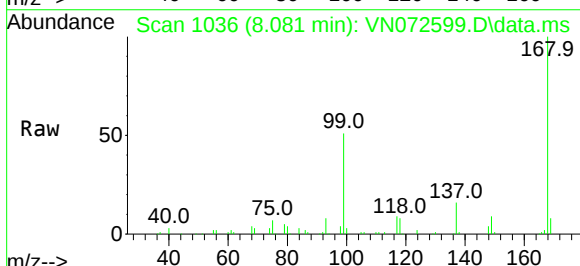
Tgt Ion: 117 Resp: 14821

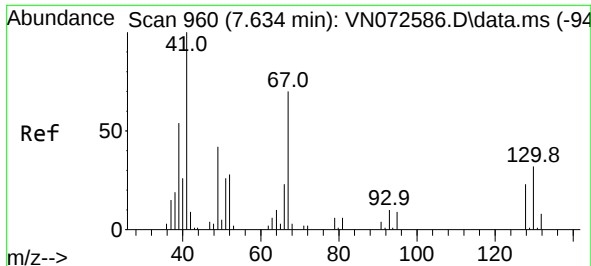
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.8#

121 0.0 24.6 37.0#

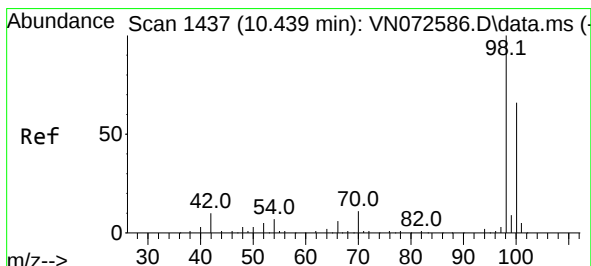
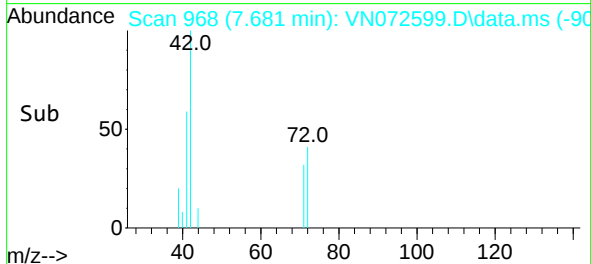
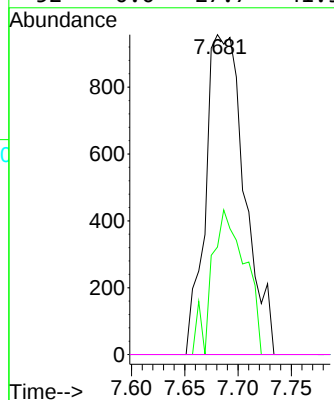
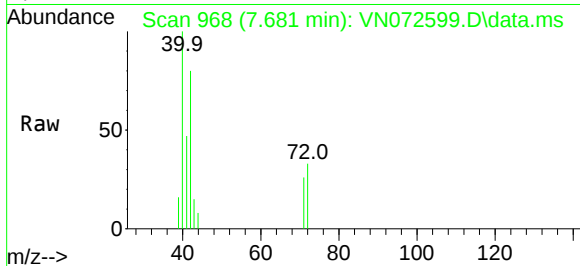




#41
Methacrylonitrile
Concen: 1.371 ug/l
RT: 7.681 min Scan# 968
Delta R.T. 0.047 min
Lab File: VN072599.D
Acq: 24 May 2022 20:30

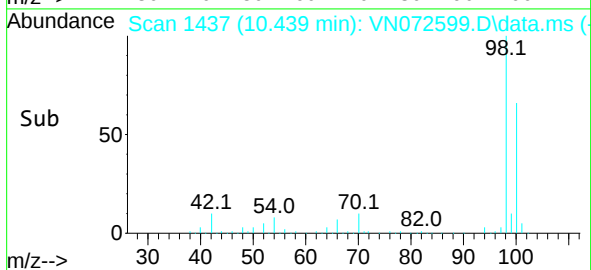
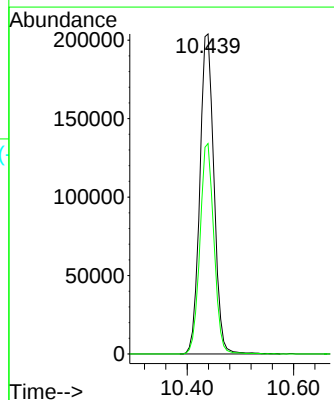
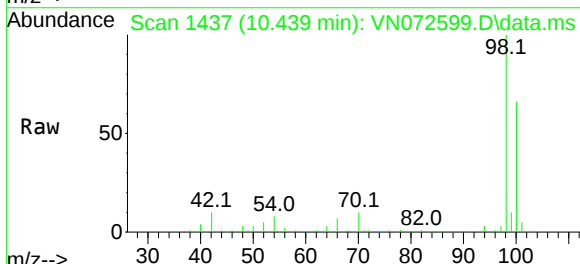
Instrument :
MSVOA_N
ClientSampleId :
RB-220517

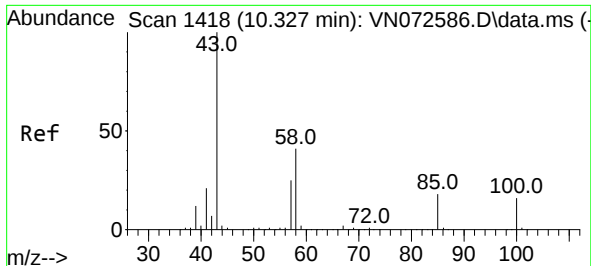
Tgt Ion: 41 Resp: 2437
Ion Ratio Lower Upper
41 100
39 38.9 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#



#50
Toluene-d8
Concen: 51.491 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072599.D
Acq: 24 May 2022 20:30

Tgt Ion: 98 Resp: 375457
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.323 ug/l

RT: 10.445 min Scan# 1418

Delta R.T. 0.118 min

Lab File: VN072599.D

Acq: 24 May 2022 20:30

Instrument :

MSVOA_N

ClientSampleId :

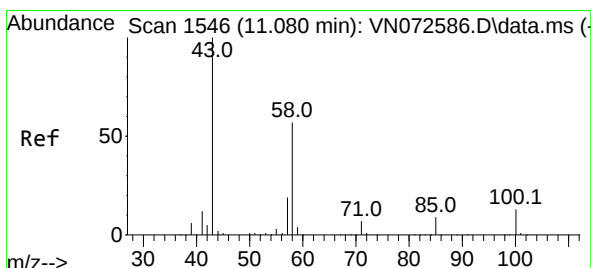
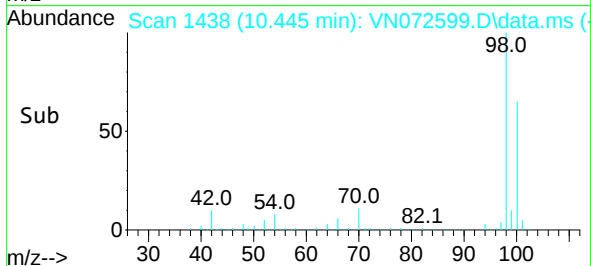
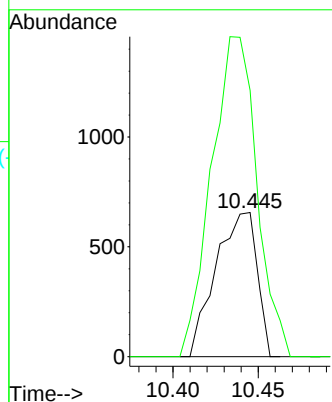
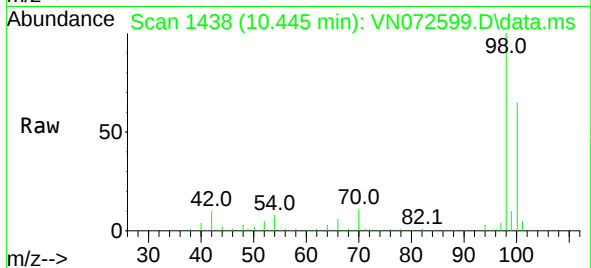
RB-220517

Tgt Ion: 43 Resp: 1107

Ion Ratio Lower Upper

43 100

58 243.5 34.1 51.1#



#59

2-Hexanone

Concen: 0.394 ug/l

RT: 11.180 min Scan# 1563

Delta R.T. 0.100 min

Lab File: VN072599.D

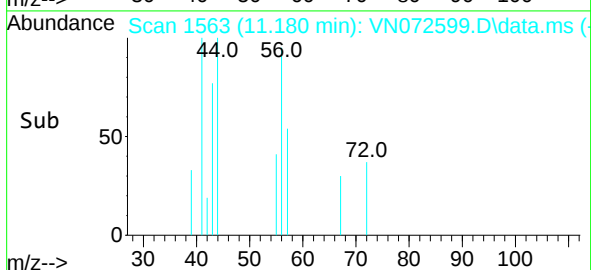
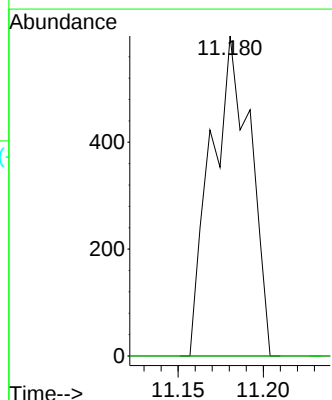
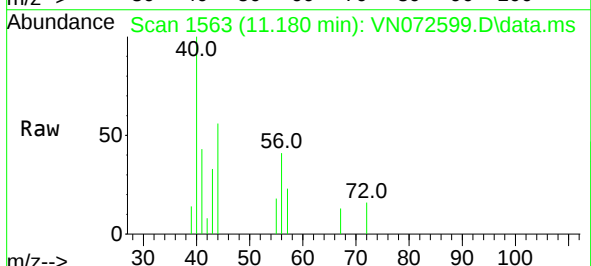
Acq: 24 May 2022 20:30

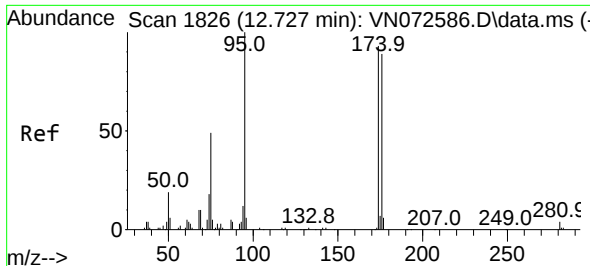
Tgt Ion: 43 Resp: 958

Ion Ratio Lower Upper

43 100

58 0.0 29.7 89.1#

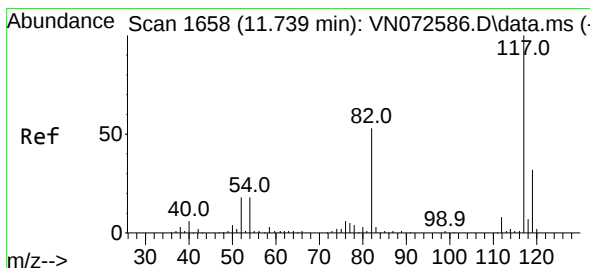
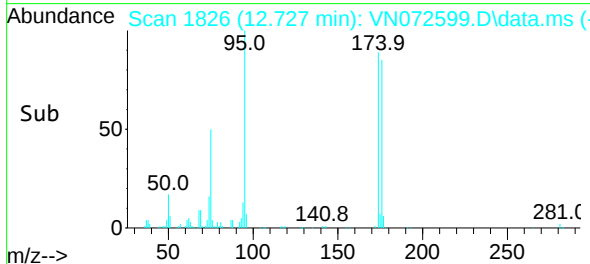
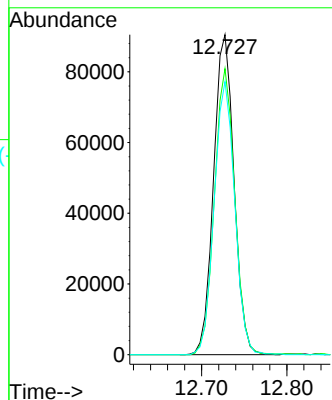
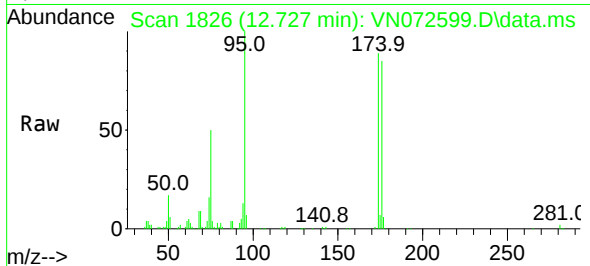




#62
4-Bromofluorobenzene
Concen: 63.522 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072599.D
Acq: 24 May 2022 20:30

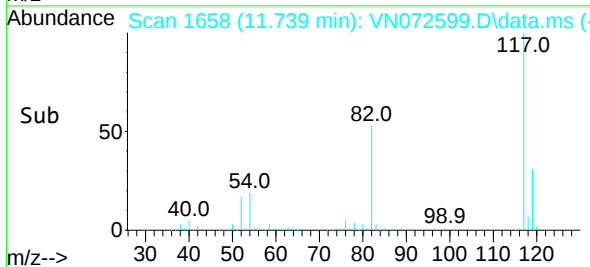
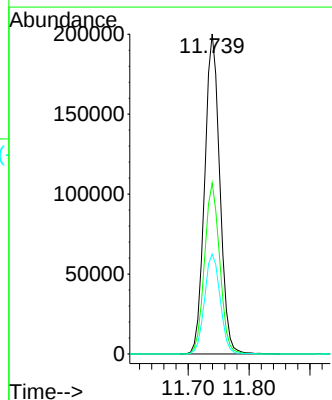
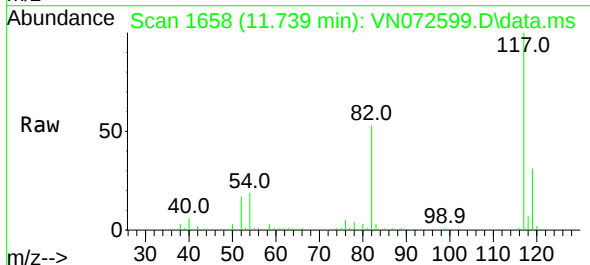
Instrument :
MSVOA_N
ClientSampleId :
RB-220517

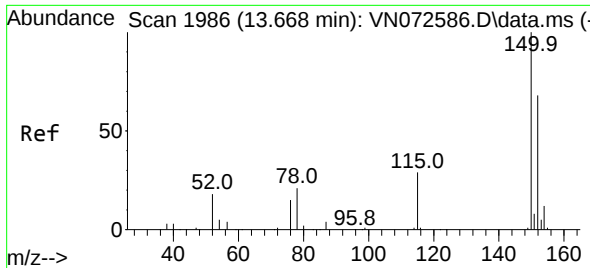
Tgt Ion: 95 Resp: 150647
Ion Ratio Lower Upper
95 100
174 89.4 0.0 167.6
176 85.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072599.D
Acq: 24 May 2022 20:30

Tgt Ion: 117 Resp: 345625
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 31.2 25.4 38.0

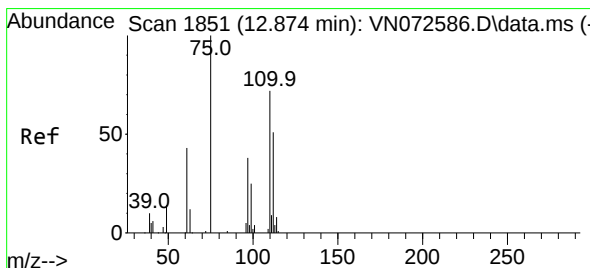
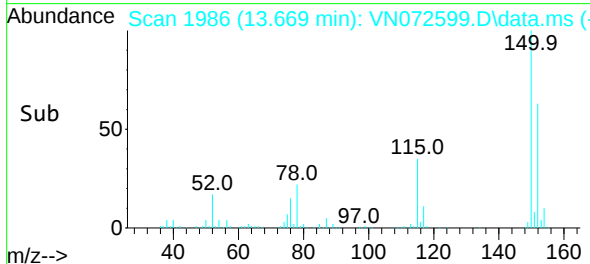
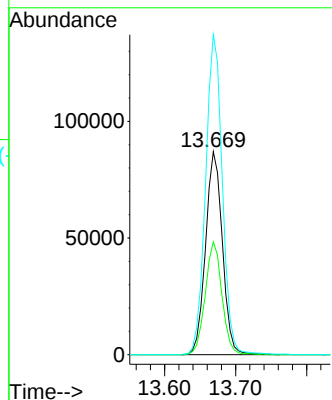
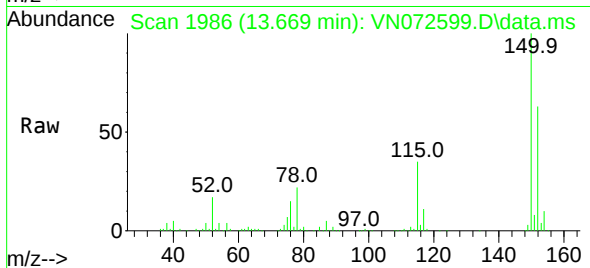




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN072599.D
 Acq: 24 May 2022 20:30

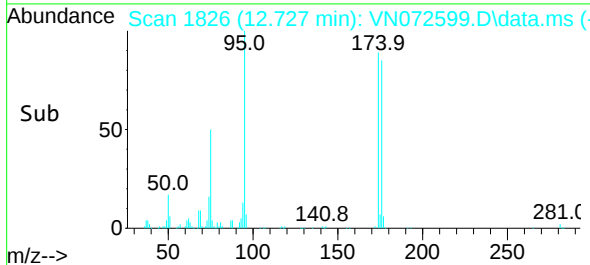
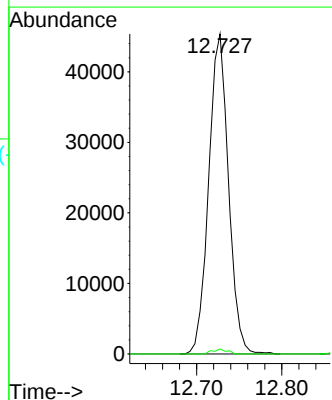
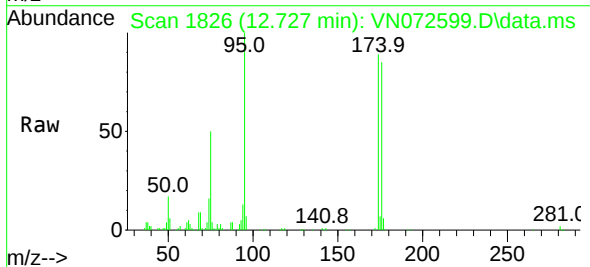
Instrument :
 MSVOA_N
 ClientSampleId :
 RB-220517

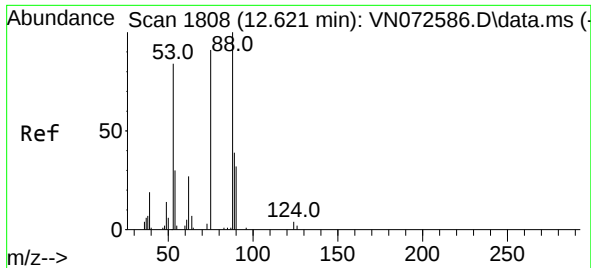
Tgt Ion:152 Resp: 143793
 Ion Ratio Lower Upper
 152 100
 115 55.1 28.9 86.7
 150 156.9 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 18.741 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072599.D
 Acq: 24 May 2022 20:30

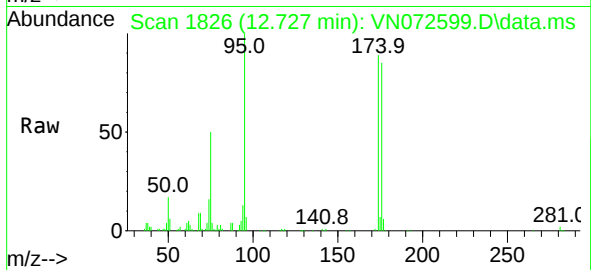
Tgt Ion: 75 Resp: 73163
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.998 ug/l
 RT: 12.727 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN072599.D
 Acq: 24 May 2022 20:30

Instrument :
 MSVOA_N
 ClientSampleId :
 RB-220517



Tgt Ion: 75 Resp: 73163
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

