

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072601.D
 Acq On : 24 May 2022 21:19
 Operator : JC\MD
 Sample : N2968-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-45

Quant Time: May 25 09:22:23 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)

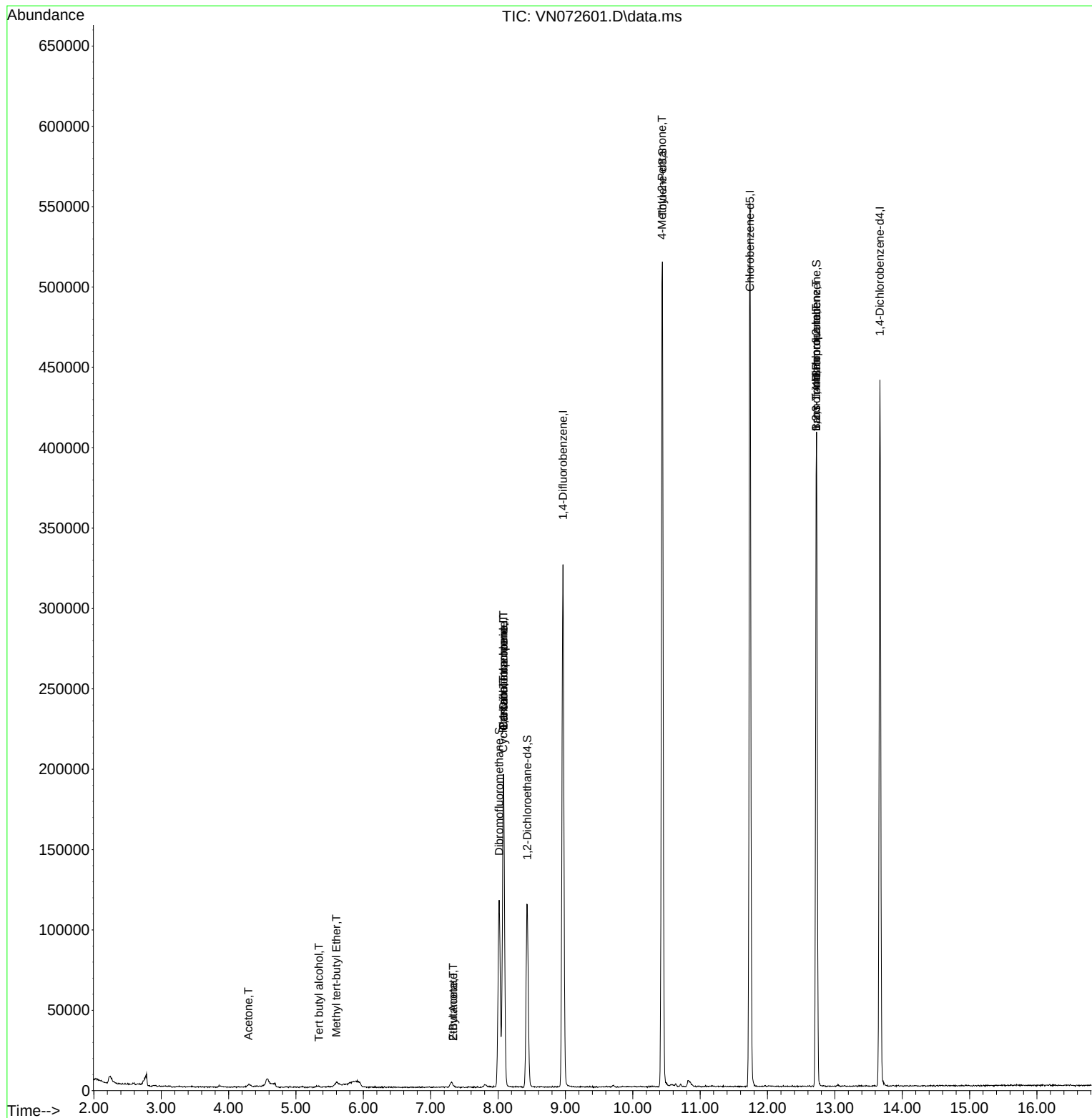
Internal Standards						
1) Pentafluorobenzene	8.081	168	159755	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	290736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	326873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	125770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	92308	50.796	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.600%			
35) Dibromofluoromethane	8.016	113	85058	45.139	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 90.280%			
50) Toluene-d8	10.439	98	368395	51.201	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.400%			
62) 4-Bromofluorobenzene	12.727	95	139651	59.677	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 119.360%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	428	Below Cal	#	43
6) Chloroethane	2.999	64	59	Below Cal	#	42
11) Tert butyl alcohol	5.340	59	203	0.593	ug/l #	72
16) Acetone	4.293	43	2184	2.445	ug/l #	82
18) Methyl Acetate	4.857	43	402	Below Cal	#	48
19) Methyl tert-butyl Ether	5.598	73	2282	0.458	ug/l #	54
20) Methylene Chloride	5.104	84	387	Below Cal	#	10
25) 2-Butanone	7.334	43	1219	0.809	ug/l #	45
31) Cyclohexane	8.075	56	2899	1.007	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	11367	4.264	ug/l #	49
37) Ethyl Acetate	7.334	43	1219	0.350	ug/l #	67
38) Carbon Tetrachloride	8.081	117	14694	5.222	ug/l #	16
51) 4-Methyl-2-Pentanone	10.433	43	1533	0.453	ug/l #	1
71) Bromoform	12.722	173	1069	0.470	ug/l #	28
76) 1,2,3-Trichloropropane	12.722	75	68112	19.947	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.722	75	68112	58.538	ug/l #	10

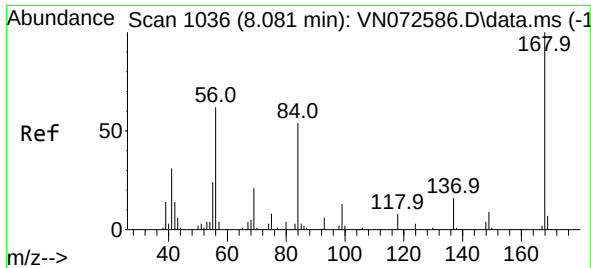
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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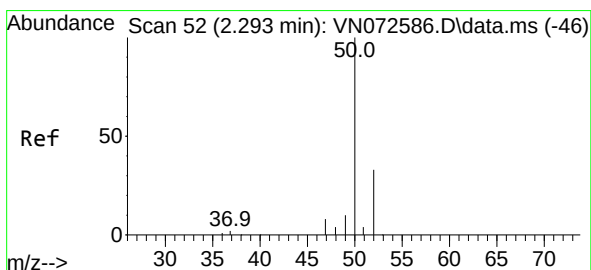
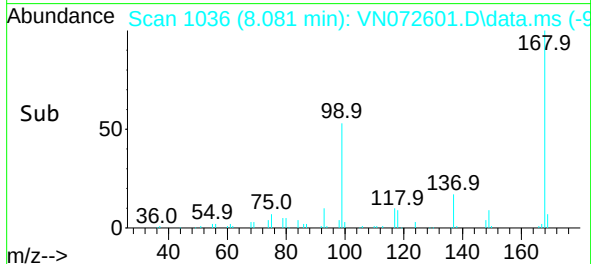
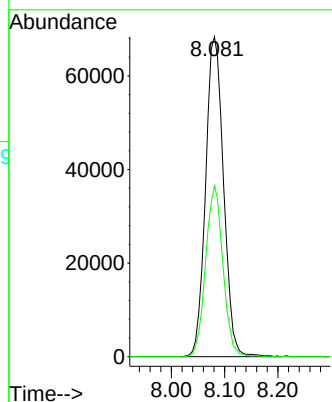
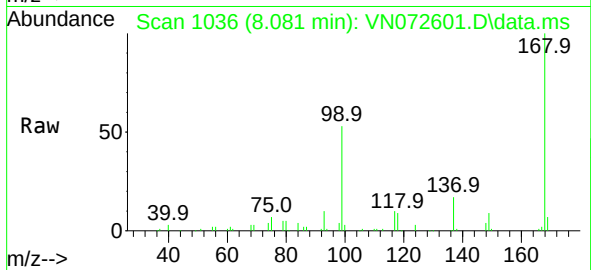




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

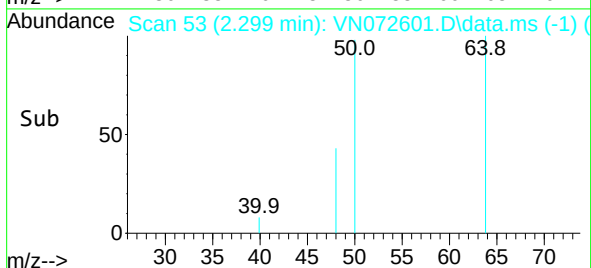
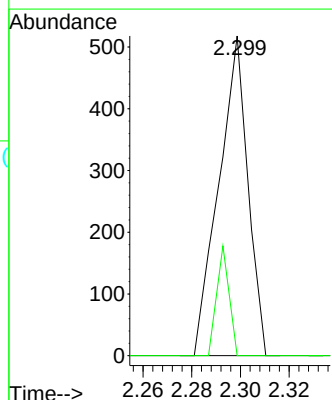
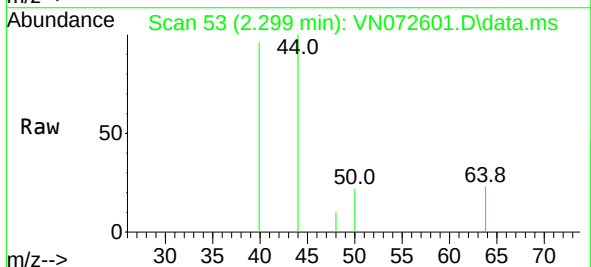
Instrument :
MSVOA_N
ClientSampleId :
MW-45

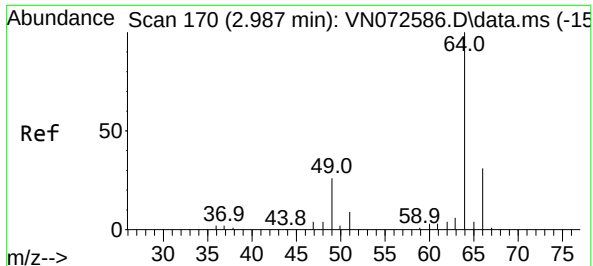
Tgt Ion:168 Resp: 159755
Ion Ratio Lower Upper
168 100
99 53.3 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

Tgt Ion: 50 Resp: 428
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

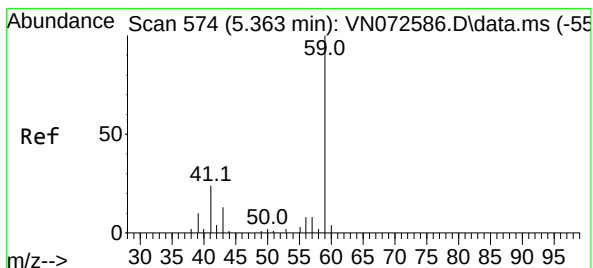
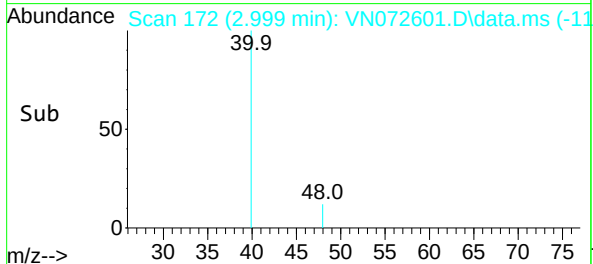
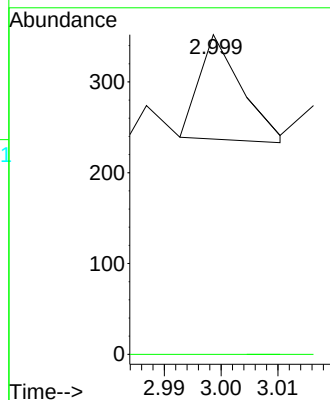
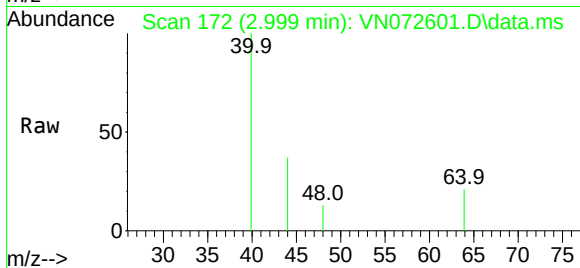




#6
Chloroethane
Concen: Below Cal
RT: 2.999 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

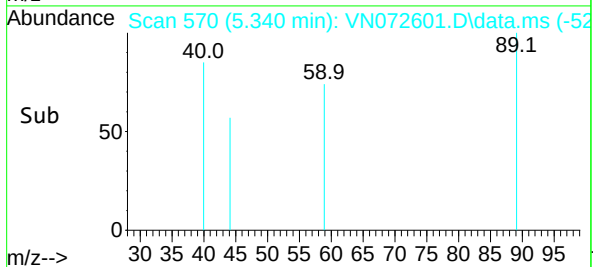
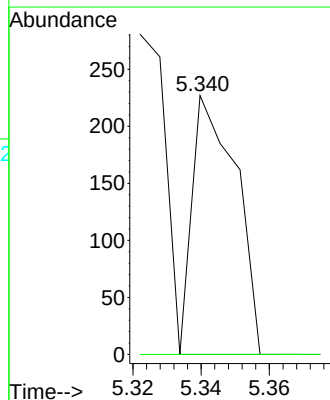
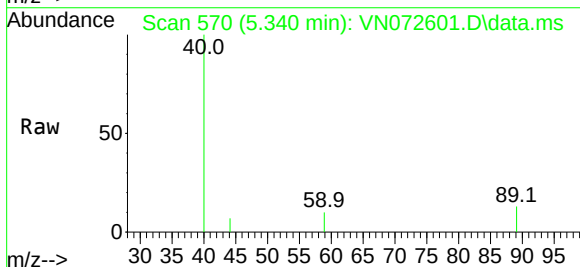
Instrument :
MSVOA_N
ClientSampleId :
MW-45

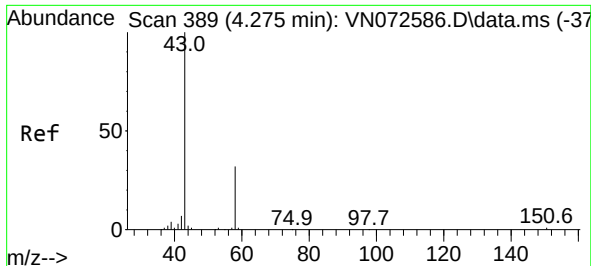
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.593 ug/l
RT: 5.340 min Scan# 570
Delta R.T. -0.023 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

Tgt Ion: 59 Resp: 203
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 2.445 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.018 min

Lab File: VN072601.D

Acq: 24 May 2022 21:19

Instrument :

MSVOA_N

ClientSampleId :

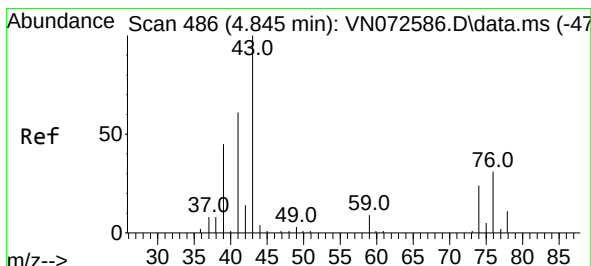
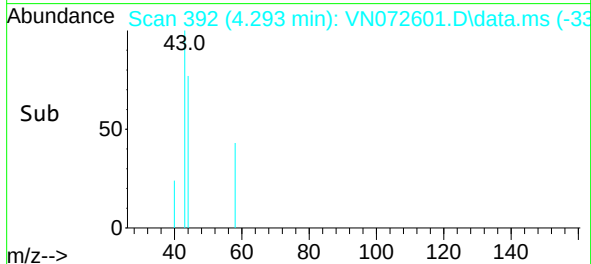
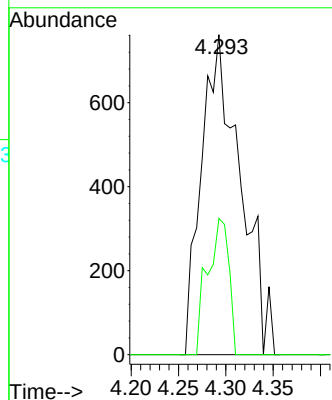
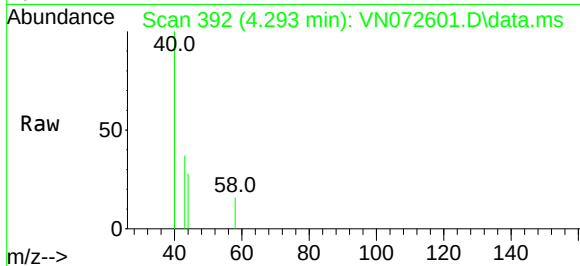
MW-45

Tgt Ion: 43 Resp: 2184

Ion Ratio Lower Upper

43 100

58 42.5 26.0 39.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.857 min Scan# 488

Delta R.T. 0.012 min

Lab File: VN072601.D

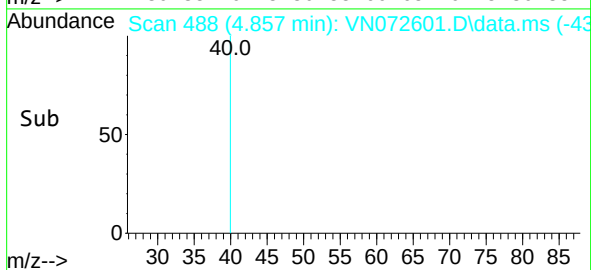
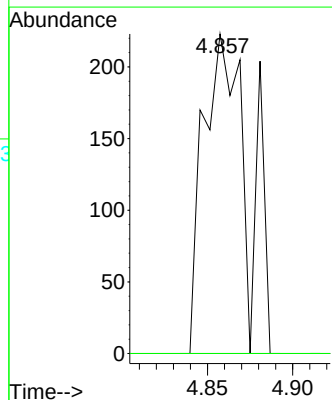
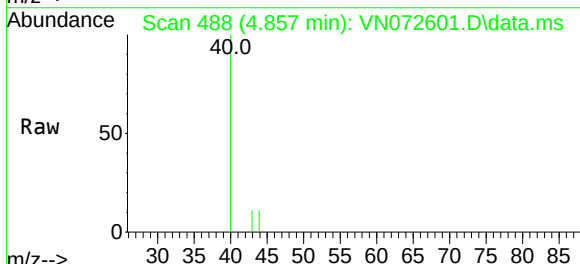
Acq: 24 May 2022 21:19

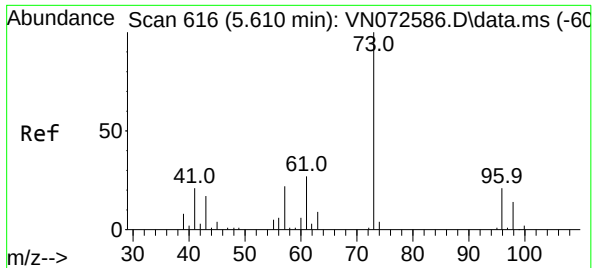
Tgt Ion: 43 Resp: 402

Ion Ratio Lower Upper

43 100

74 0.0 21.6 32.4#

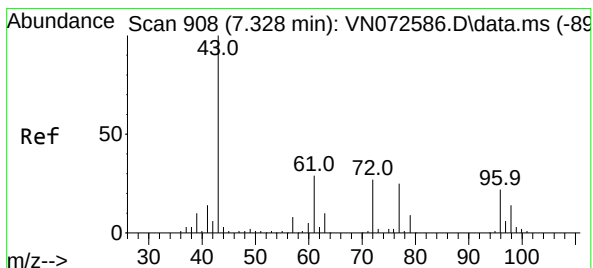
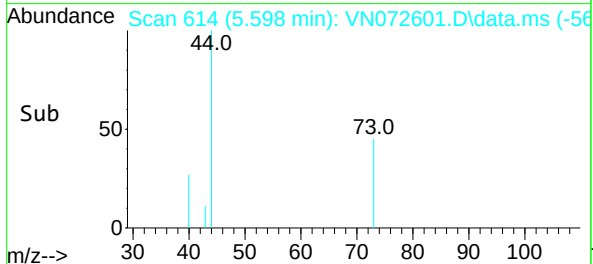
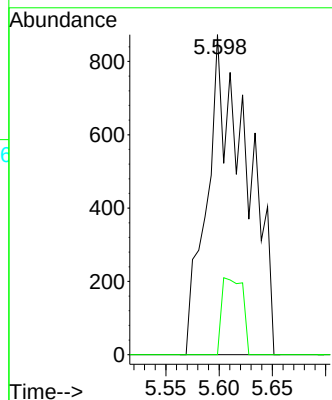
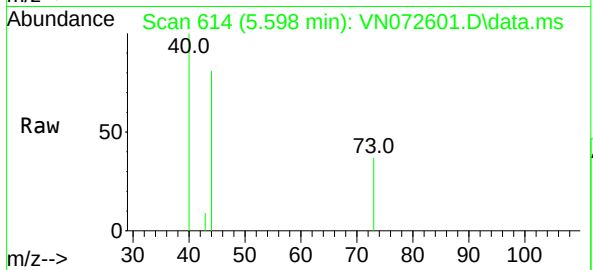




#19
Methyl tert-butyl Ether
Concen: 0.458 ug/l
RT: 5.598 min Scan# 616
Delta R.T. -0.012 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

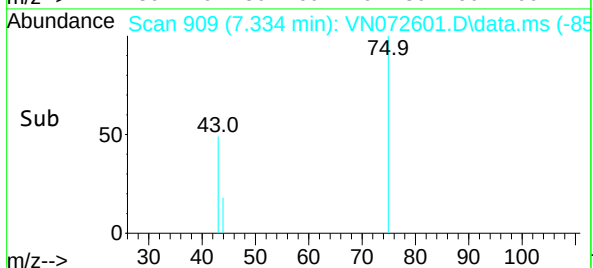
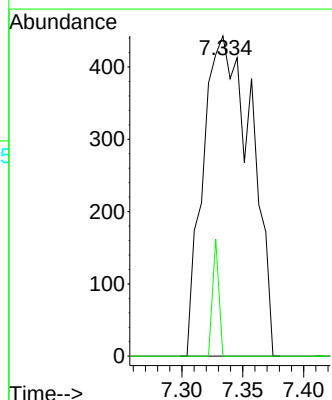
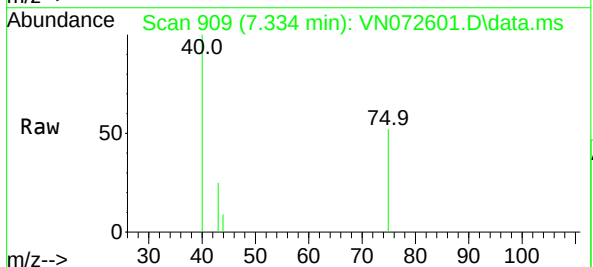
Instrument :
MSVOA_N
ClientSampleId :
MW-45

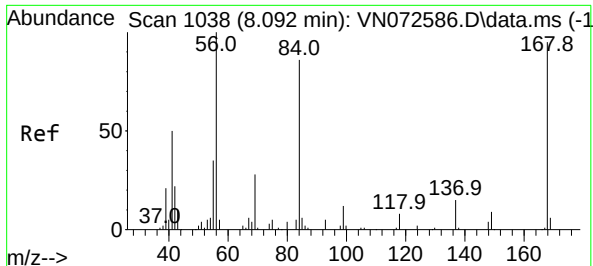
Tgt Ion: 73 Resp: 2282
Ion Ratio Lower Upper
73 100
57 0.0 17.6 26.4#



#25
2-Butanone
Concen: 0.809 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

Tgt Ion: 43 Resp: 1219
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#

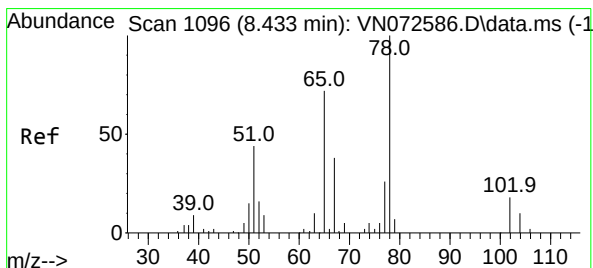
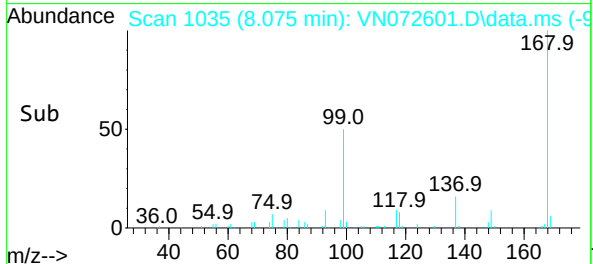
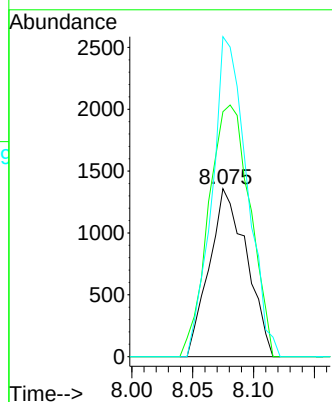
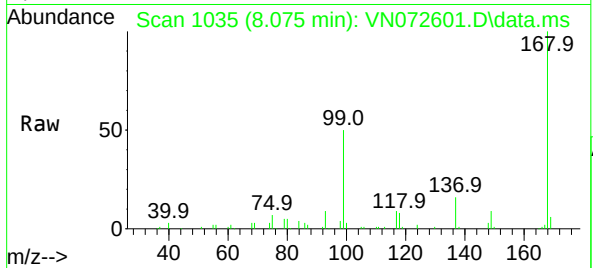




#31
Cyclohexane
Concen: 1.007 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

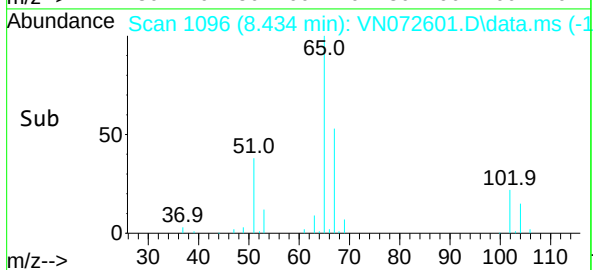
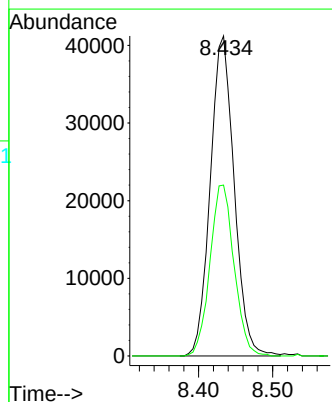
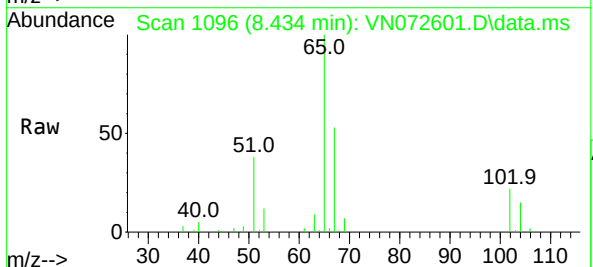
Instrument :
MSVOA_N
ClientSampleId :
MW-45

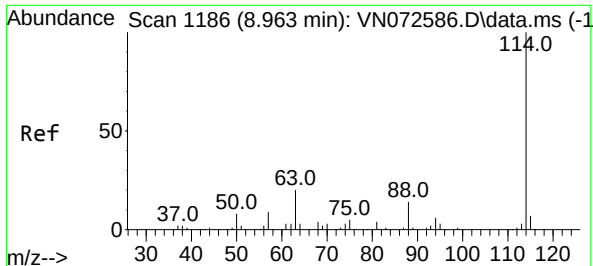
Tgt Ion: 56 Resp: 2899
Ion Ratio Lower Upper
56 100
69 145.8 27.8 41.8#
84 190.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 50.796 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.001 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

Tgt Ion: 65 Resp: 92308
Ion Ratio Lower Upper
65 100
67 53.9 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: VN072601.D

Acq: 24 May 2022 21:19

Instrument :

MSVOA_N

ClientSampleId :

MW-45

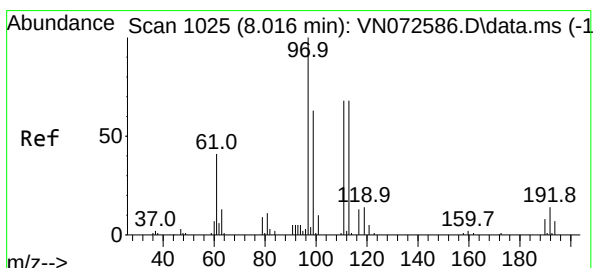
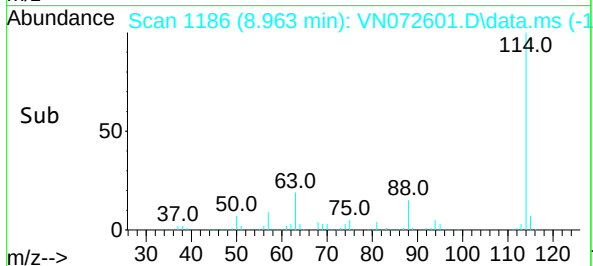
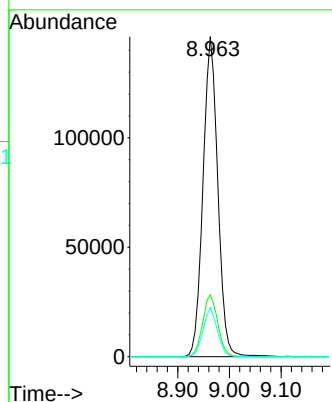
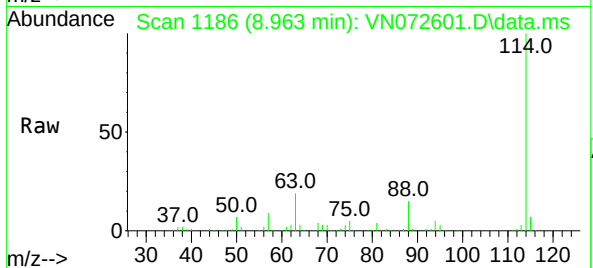
Tgt Ion:114 Resp: 290736

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.139 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072601.D

Acq: 24 May 2022 21:19

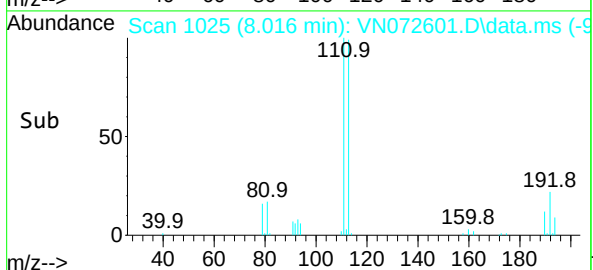
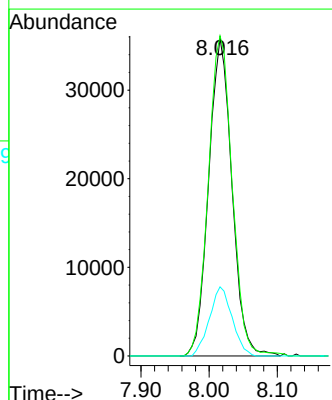
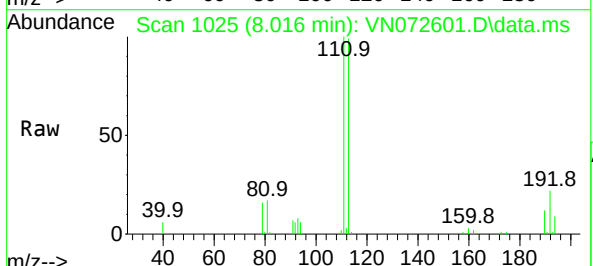
Tgt Ion:113 Resp: 85058

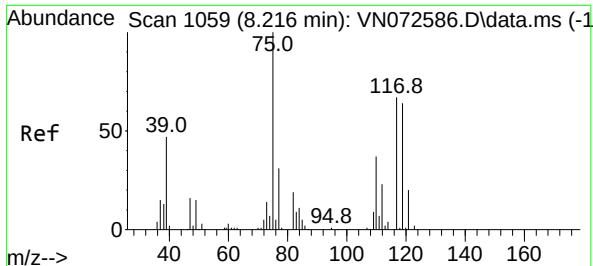
Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 21.3 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.264 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN072601.D

Acq: 24 May 2022 21:19

Instrument :

MSVOA_N

ClientSampleId :

MW-45

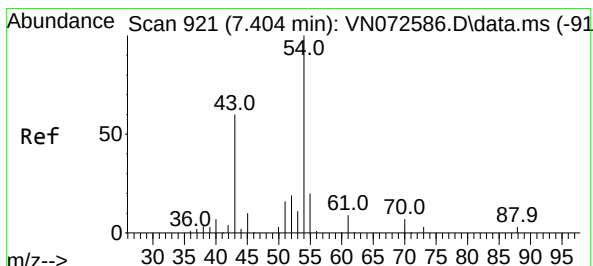
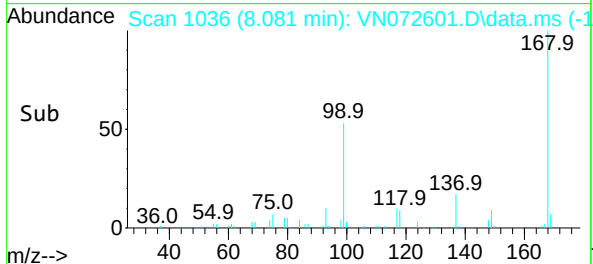
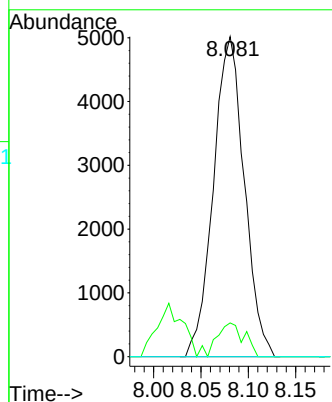
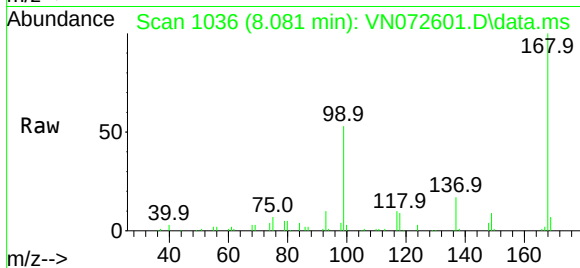
Tgt Ion: 75 Resp: 11367

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.350 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.070 min

Lab File: VN072601.D

Acq: 24 May 2022 21:19

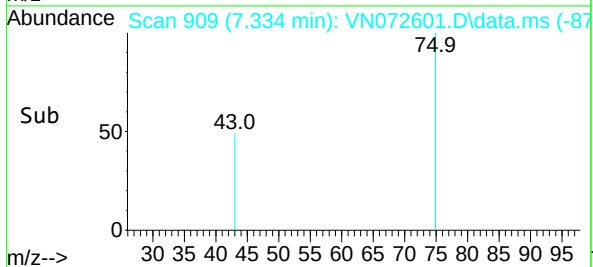
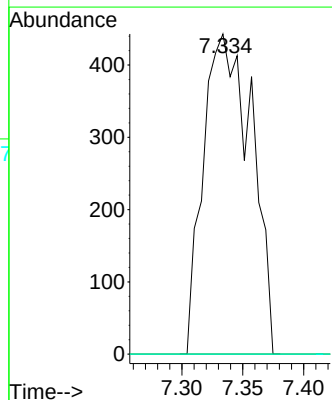
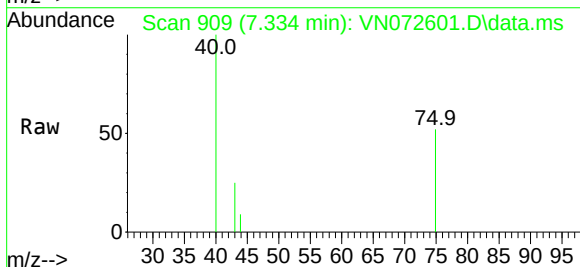
Tgt Ion: 43 Resp: 1219

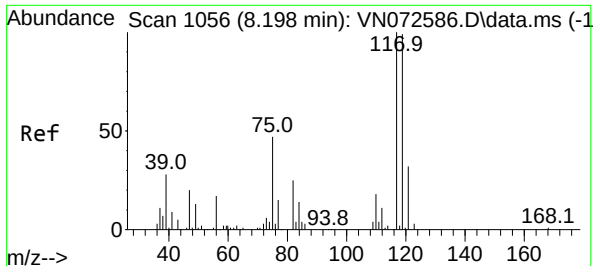
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

70 0.0 9.3 13.9#

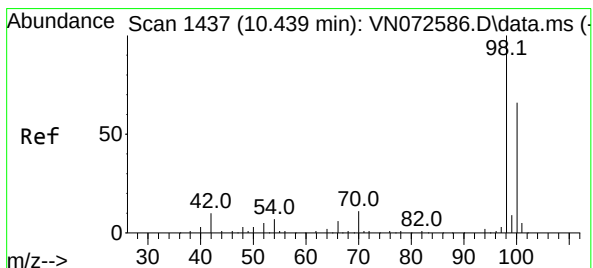
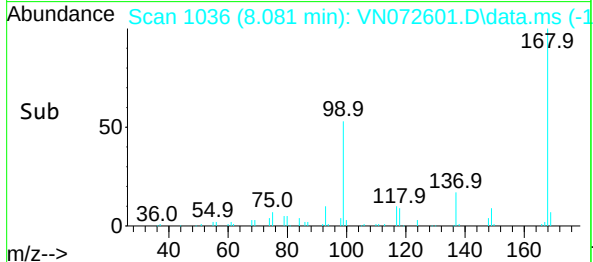
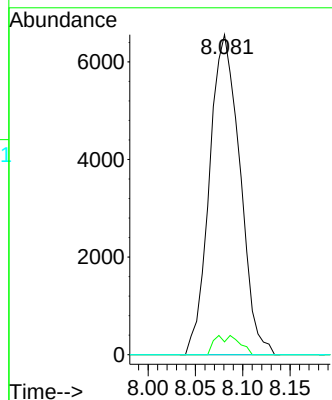
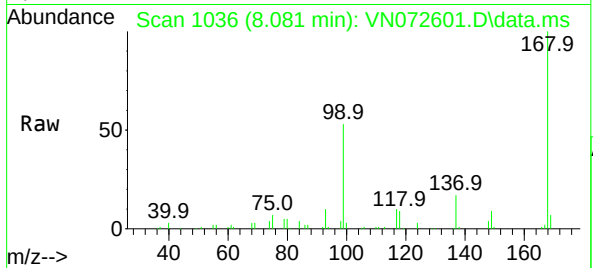




#38
Carbon Tetrachloride
Concen: 5.222 ug/l
RT: 8.081 min Scan# 1056
Delta R.T. -0.117 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

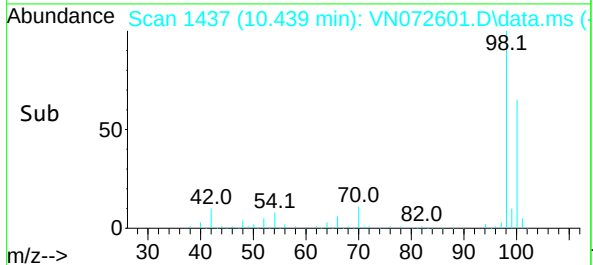
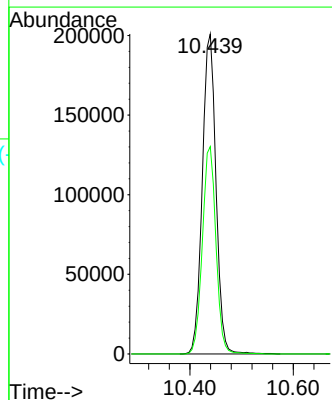
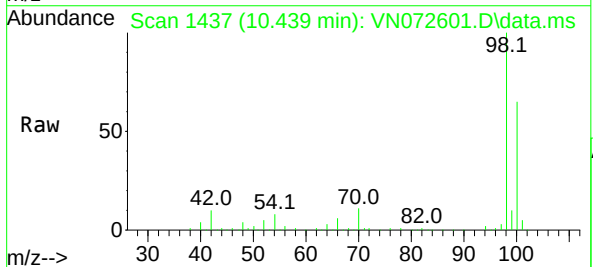
Instrument :
MSVOA_N
ClientSampleId :
MW-45

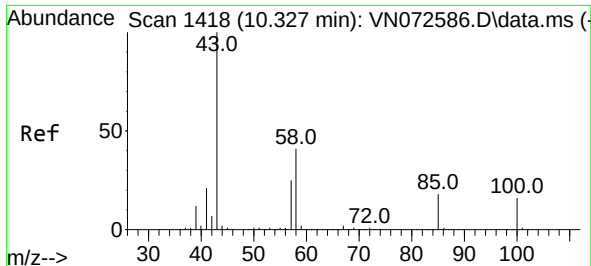
Tgt Ion:117 Resp: 14694
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 51.201 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

Tgt Ion: 98 Resp: 368395
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.453 ug/l

RT: 10.433 min Scan# 1418

Delta R.T. 0.106 min

Lab File: VN072601.D

Acq: 24 May 2022 21:19

Instrument :

MSVOA_N

ClientSampleId :

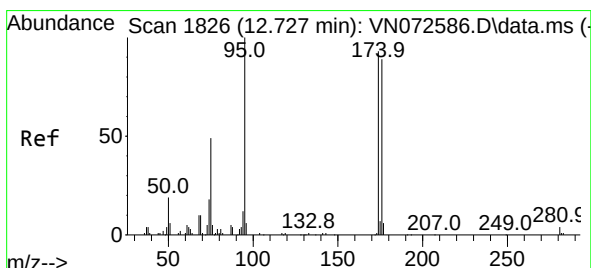
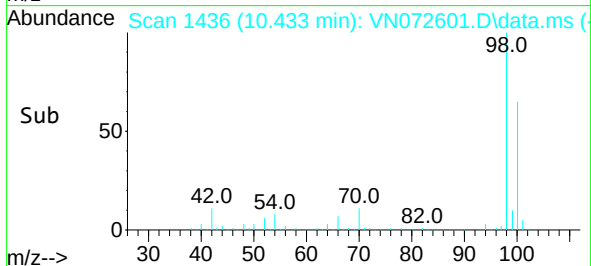
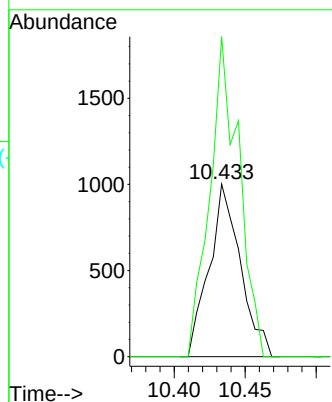
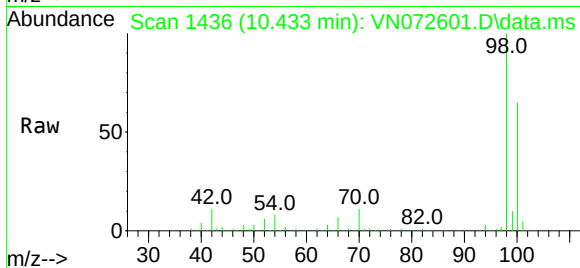
MW-45

Tgt Ion: 43 Resp: 1533

Ion Ratio Lower Upper

43 100

58 173.4 34.1 51.1#



#62

4-Bromofluorobenzene

Concen: 59.677 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072601.D

Acq: 24 May 2022 21:19

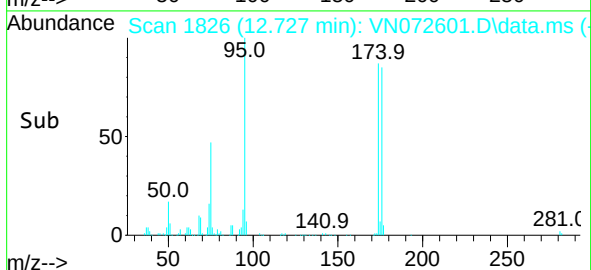
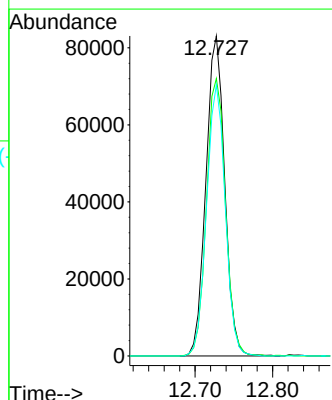
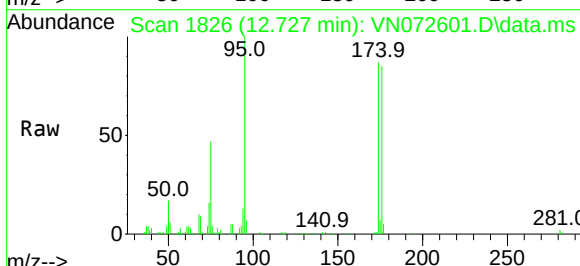
Tgt Ion: 95 Resp: 139651

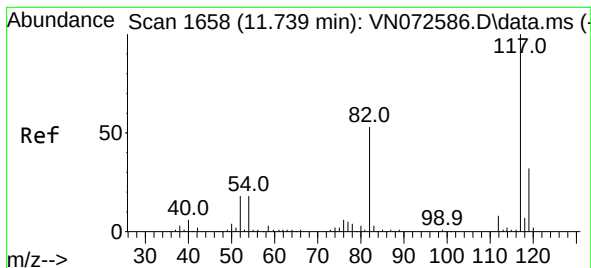
Ion Ratio Lower Upper

95 100

174 87.9 0.0 167.6

176 84.0 0.0 163.4

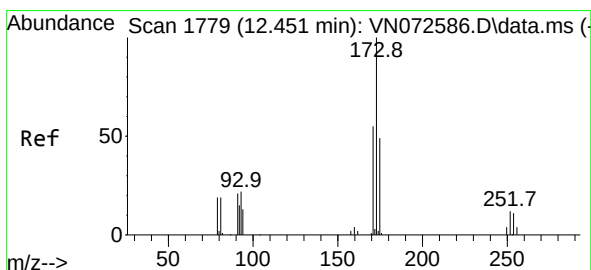
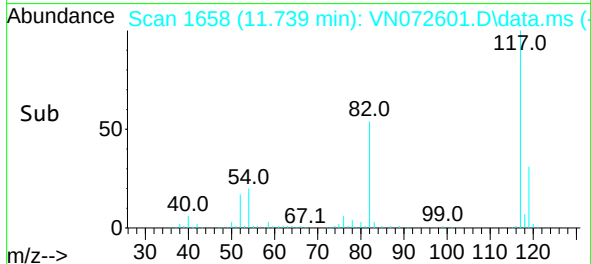
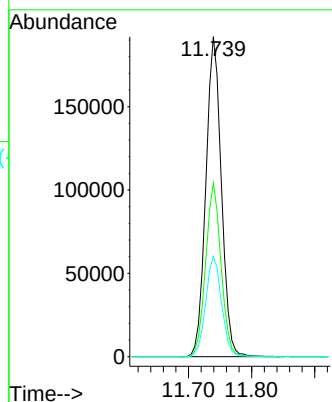
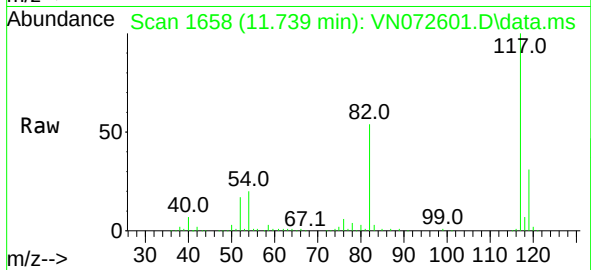




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

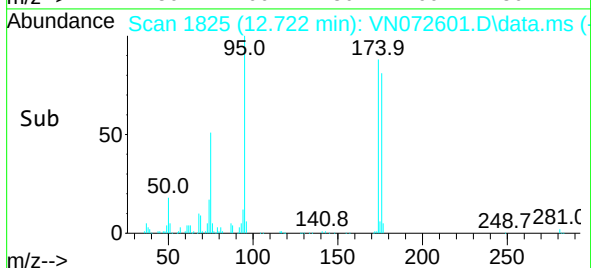
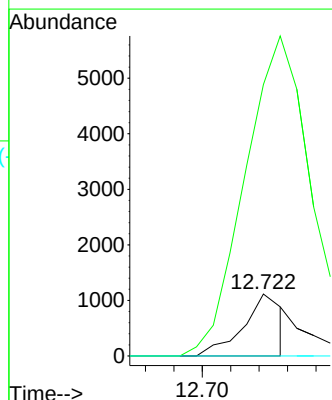
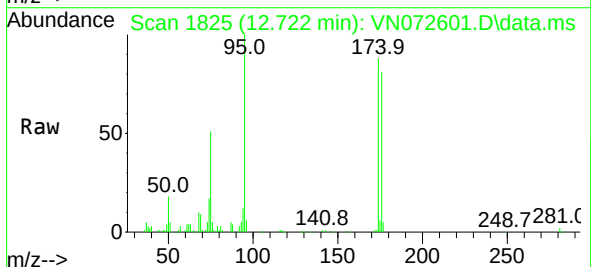
Instrument :
MSVOA_N
ClientSampleId :
MW-45

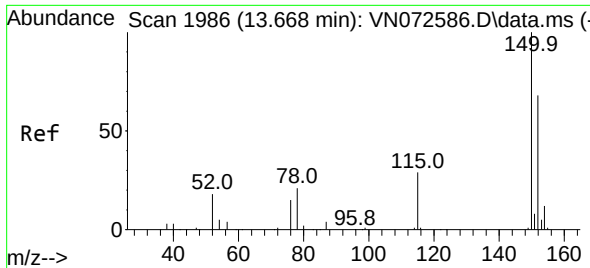
Tgt Ion:117 Resp: 326873
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 31.3 25.4 38.0



#71
Bromoform
Concen: 0.470 ug/l
RT: 12.722 min Scan# 1825
Delta R.T. 0.271 min
Lab File: VN072601.D
Acq: 24 May 2022 21:19

Tgt Ion:173 Resp: 1069
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

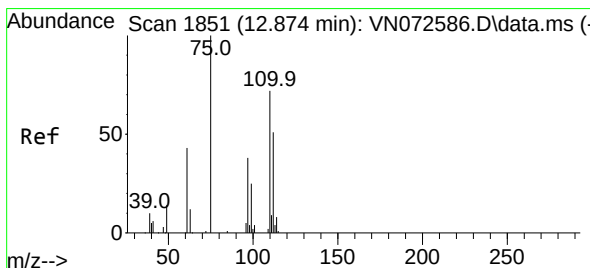
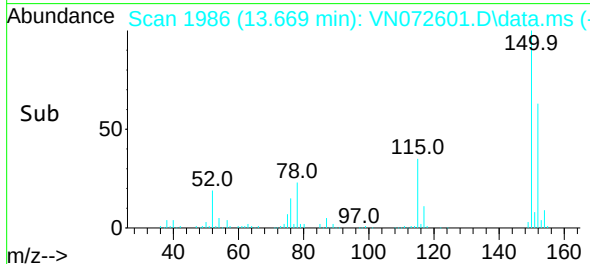
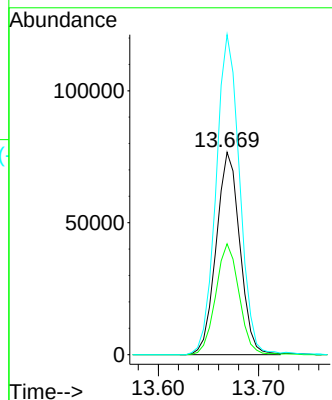
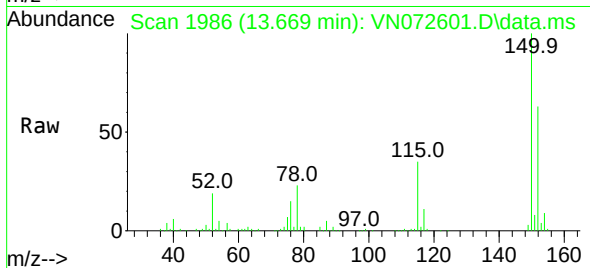




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.669 min Scan# 1986
 Delta R.T. 0.001 min
 Lab File: VN072601.D
 Acq: 24 May 2022 21:19

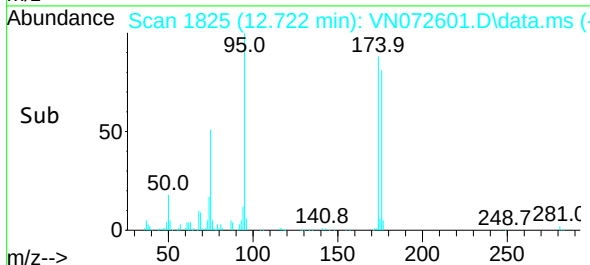
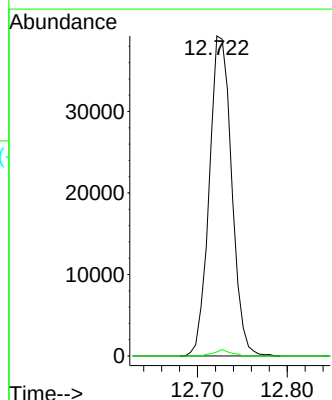
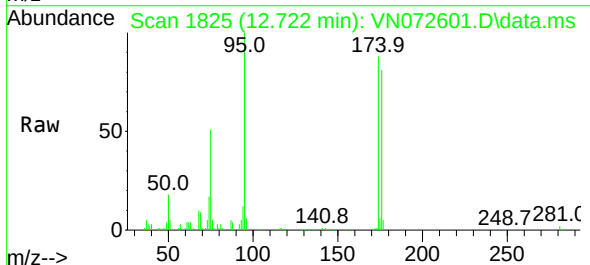
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-45

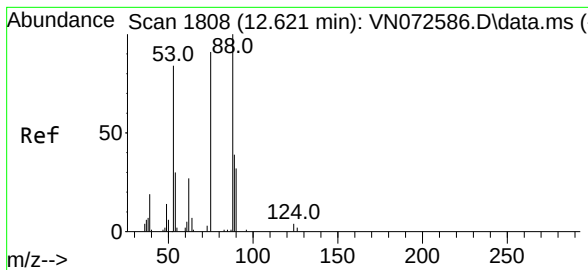
Tgt Ion:152 Resp: 125770
 Ion Ratio Lower Upper
 152 100
 115 54.2 28.9 86.7
 150 157.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 19.947 ug/l
 RT: 12.722 min Scan# 1825
 Delta R.T. -0.152 min
 Lab File: VN072601.D
 Acq: 24 May 2022 21:19

Tgt Ion: 75 Resp: 68112
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.538 ug/l
 RT: 12.722 min Scan# 1808
 Delta R.T. 0.101 min
 Lab File: VN072601.D
 Acq: 24 May 2022 21:19

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-45

Tgt Ion: 75 Resp: 68112
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

