

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081822\
 Data File : VN074002.D
 Acq On : 18 Aug 2022 14:09
 Operator : JC\MD
 Sample : N4204-28 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6DL

Quant Time: Aug 18 21:50:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

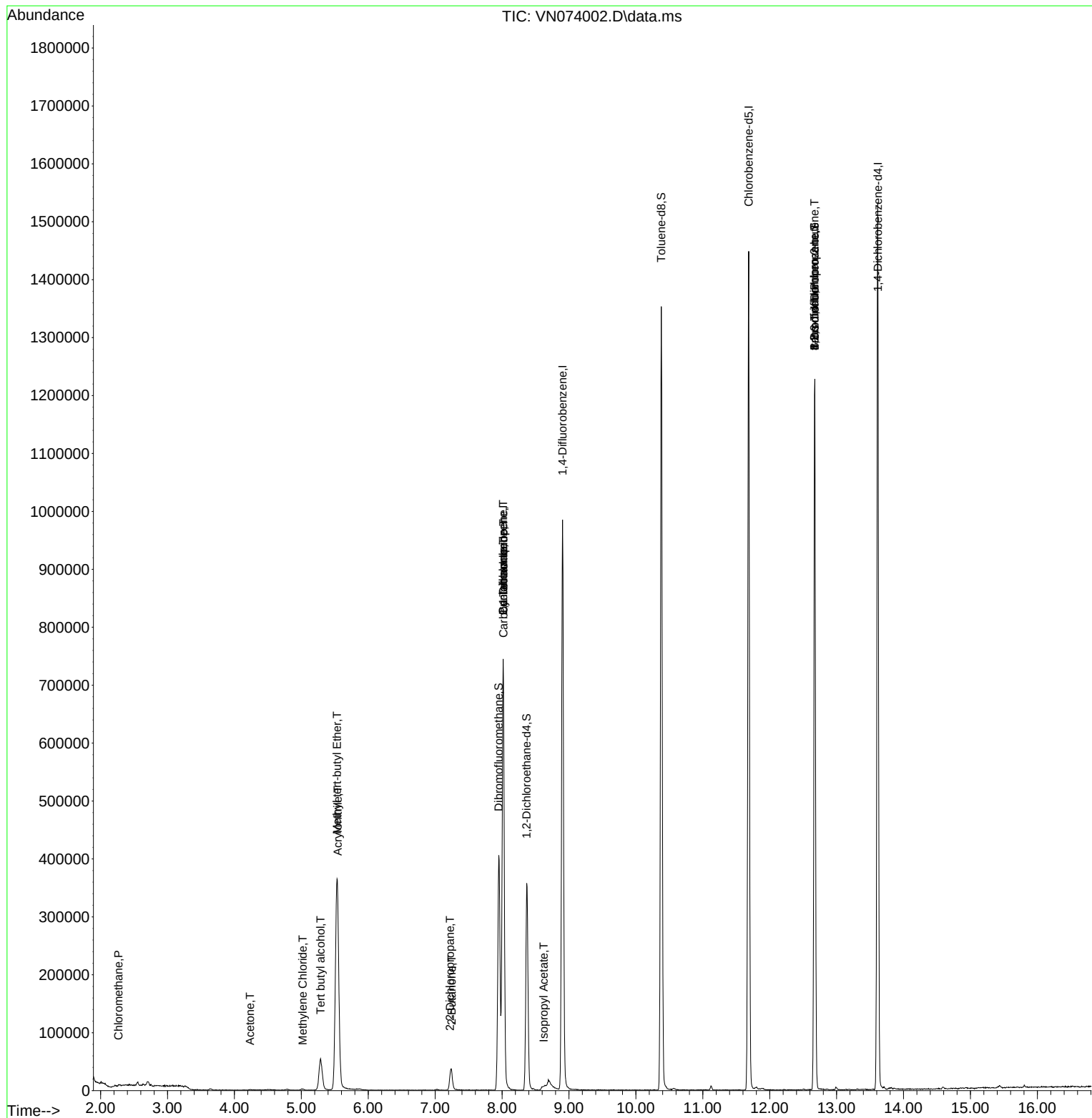
Internal Standards						
1) Pentafluorobenzene	8.016	168	629854	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	922817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	868661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	452503	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	301703	49.179	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	98.360%	
35) Dibromofluoromethane	7.951	113	295992	54.236	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	108.480%	
50) Toluene-d8	10.380	98	966528	45.728	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	91.460%	
62) 4-Bromofluorobenzene	12.669	95	398910	56.868	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	113.740%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1129	0.203	ug/l	98
11) Tert butyl alcohol	5.287	59	99424	72.453	ug/l	98
15) Acrylonitrile	5.545	53	6878	2.053	ug/l #	10
16) Acetone	4.234	43	1696	0.586	ug/l	89
18) Methyl Acetate	4.793	43	3167	Below Cal		94
19) Methyl tert-butyl Ether	5.534	73	654890	36.579	ug/l	97
20) Methylene Chloride	5.022	84	2127	0.348	ug/l #	81
25) 2-Butanone	7.245	43	1827	0.398	ug/l #	45
26) 2,2-Dichloropropane	7.222	77	2820	0.309	ug/l #	53
31) Cyclohexane	8.016	56	9358	1.094	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	39729	5.241	ug/l #	49
38) Carbon Tetrachloride	8.022	117	55481	6.403	ug/l #	17
43) Isopropyl Acetate	8.622	43	6205	0.474	ug/l #	53
71) Bromoform	12.669	173	2294	0.368	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	197305	20.978	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	197305	59.666	ug/l #	10

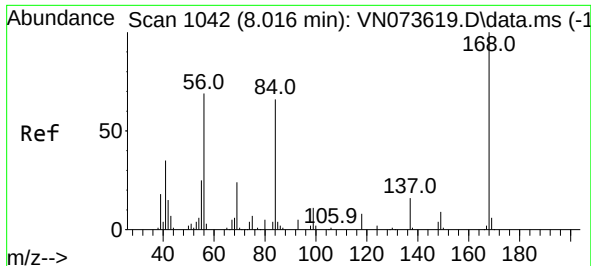
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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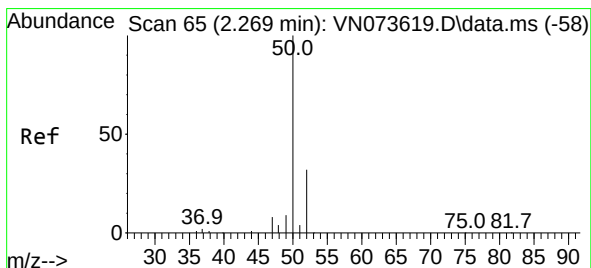
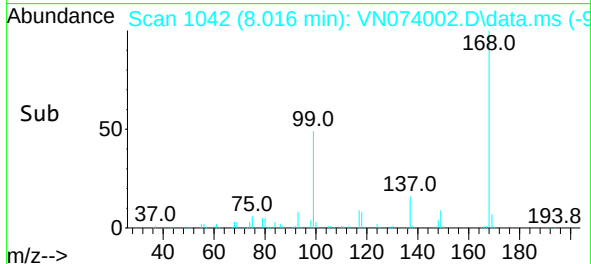
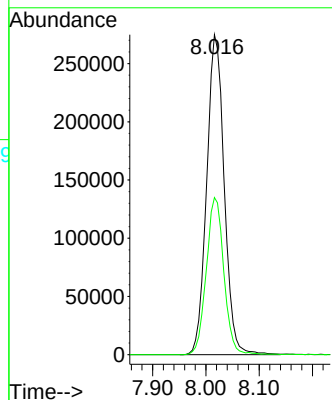
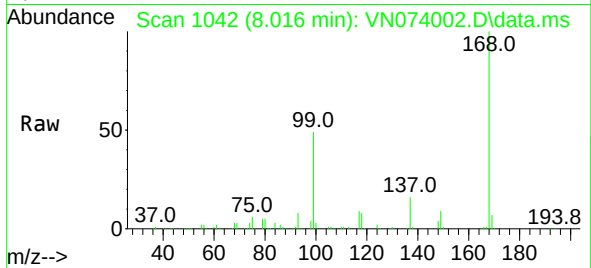




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

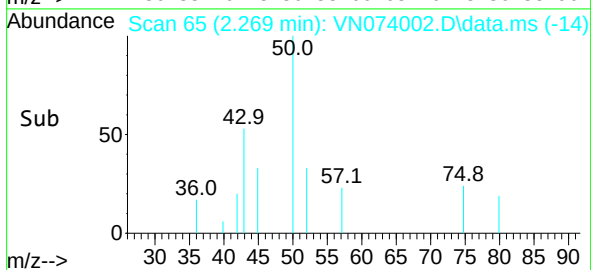
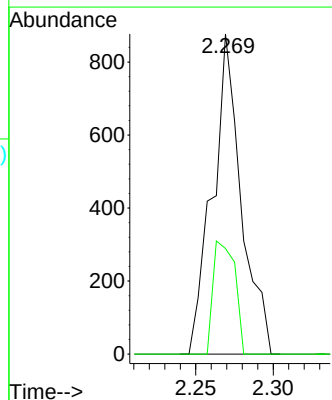
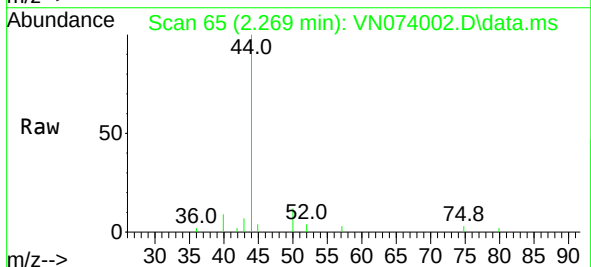
Instrument :
MSVOA_N
ClientSampleId :
MW-6DL

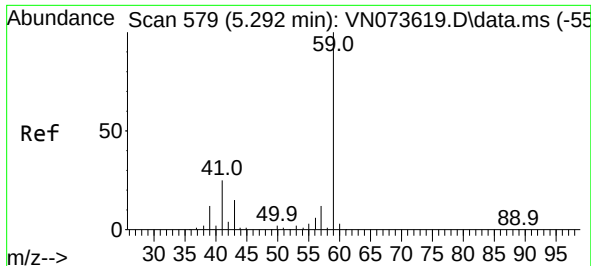
Tgt Ion:168 Resp: 629854
Ion Ratio Lower Upper
168 100
99 49.1 42.3 63.5



#3
Chloromethane
Concen: 0.203 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Tgt Ion: 50 Resp: 1129
Ion Ratio Lower Upper
50 100
52 33.0 25.7 38.5





#11

Tert butyl alcohol

Concen: 72.453 ug/l

RT: 5.287 min Scan# 51

Delta R.T. -0.005 min

Lab File: VN074002.D

Acq: 18 Aug 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

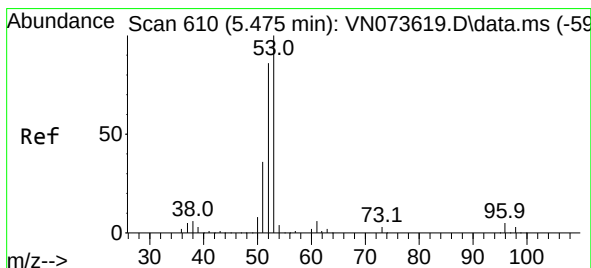
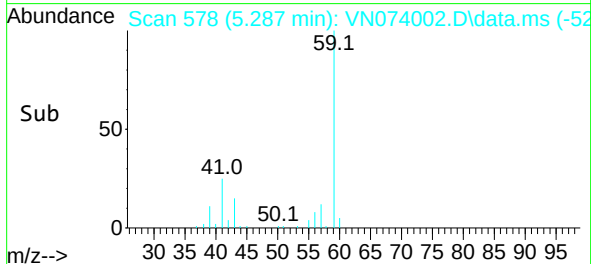
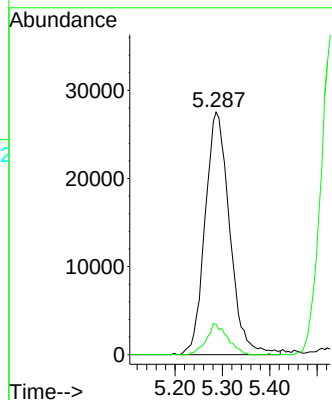
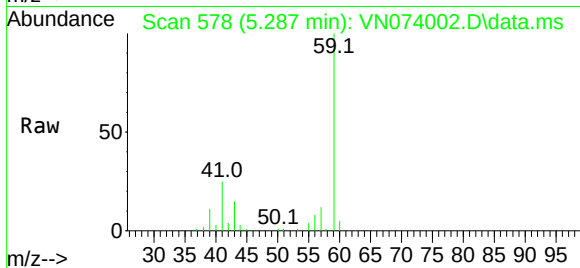
MW-6DL

Tgt Ion: 59 Resp: 99424

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5



#15

Acrylonitrile

Concen: 2.053 ug/l

RT: 5.545 min Scan# 622

Delta R.T. 0.070 min

Lab File: VN074002.D

Acq: 18 Aug 2022 14:09

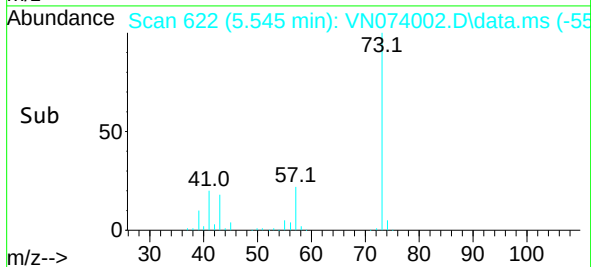
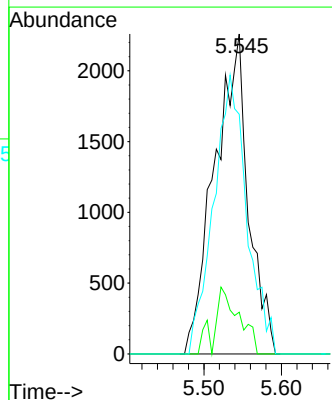
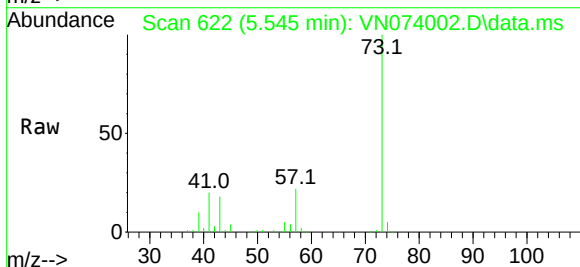
Tgt Ion: 53 Resp: 6878

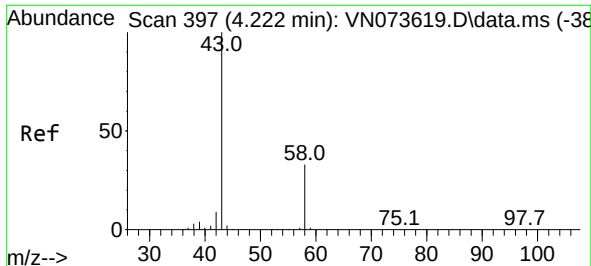
Ion Ratio Lower Upper

53 100

52 0.0 66.4 99.6#

51 85.1 28.5 42.7#





#16

Acetone

Concen: 0.586 ug/l

RT: 4.234 min Scan# 397

Delta R.T. 0.012 min

Lab File: VN074002.D

Acq: 18 Aug 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

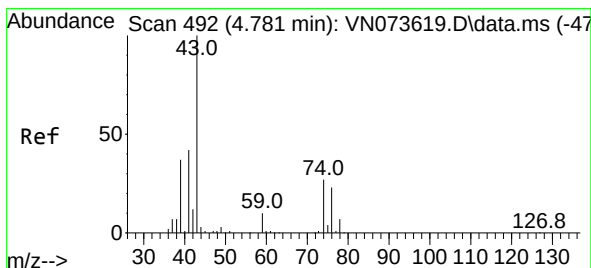
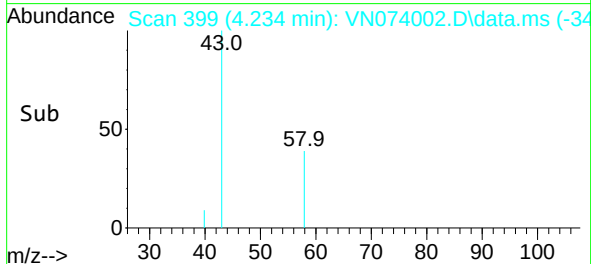
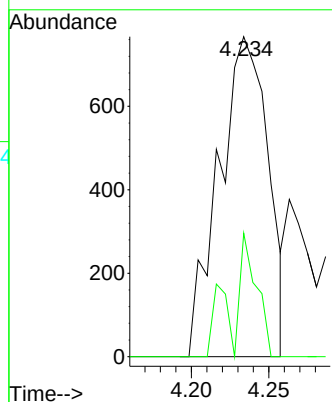
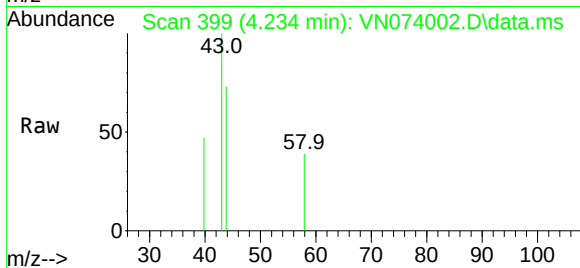
MW-6DL

Tgt Ion: 43 Resp: 1696

Ion Ratio Lower Upper

43 100

58 38.6 26.0 39.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.793 min Scan# 494

Delta R.T. 0.012 min

Lab File: VN074002.D

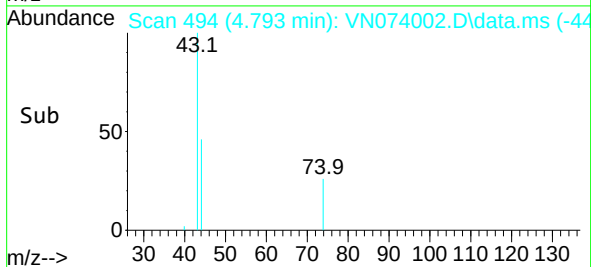
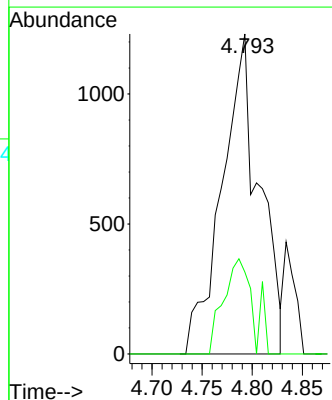
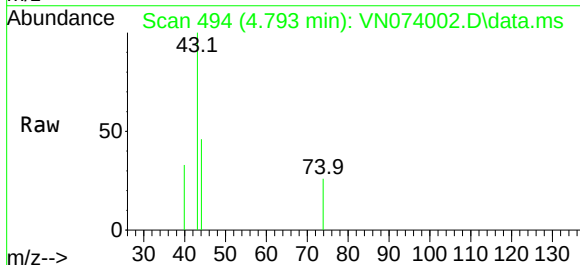
Acq: 18 Aug 2022 14:09

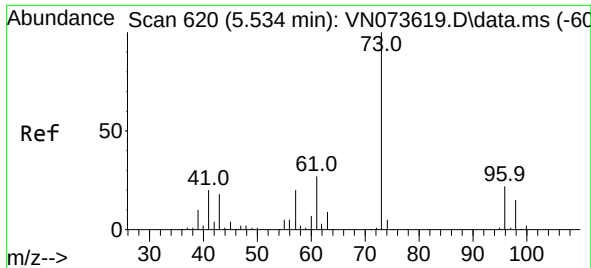
Tgt Ion: 43 Resp: 3167

Ion Ratio Lower Upper

43 100

74 23.7 21.6 32.4

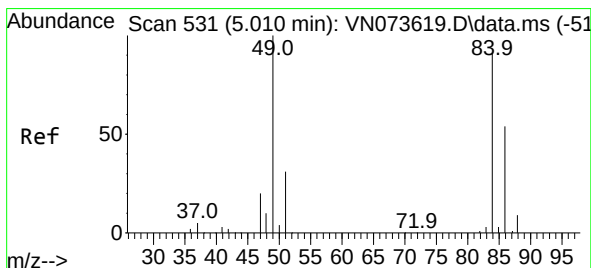
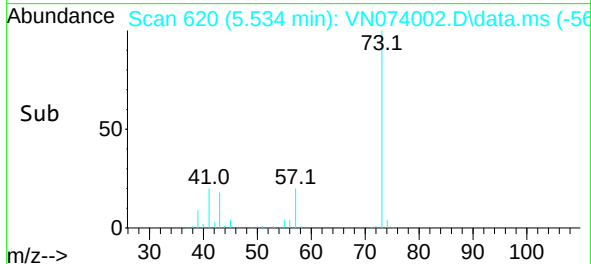
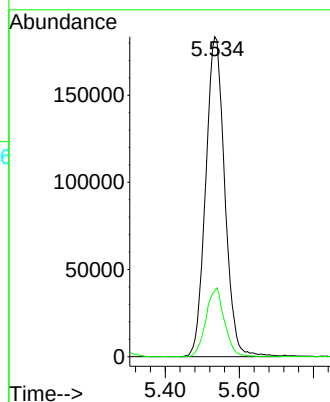
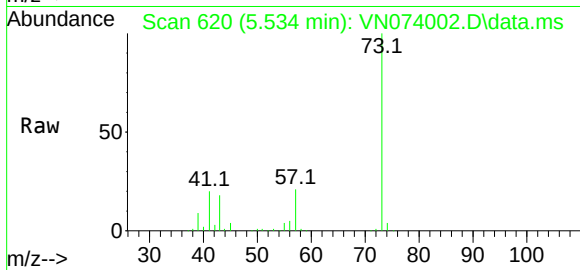




#19
Methyl tert-butyl Ether
Concen: 36.579 ug/l
RT: 5.534 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

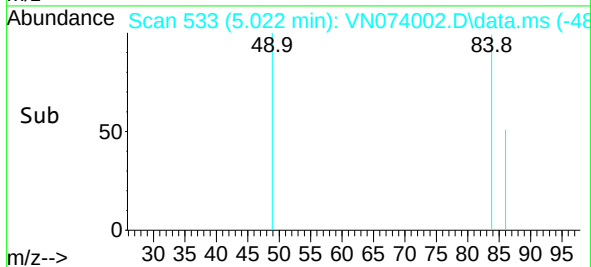
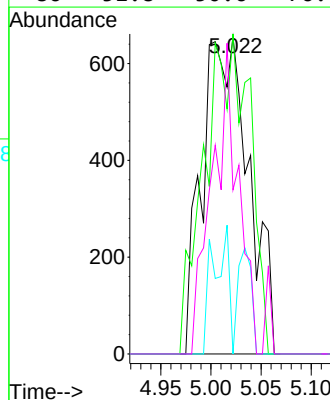
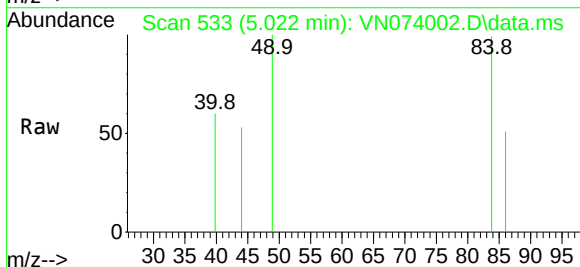
Instrument :
MSVOA_N
ClientSampleId :
MW-6DL

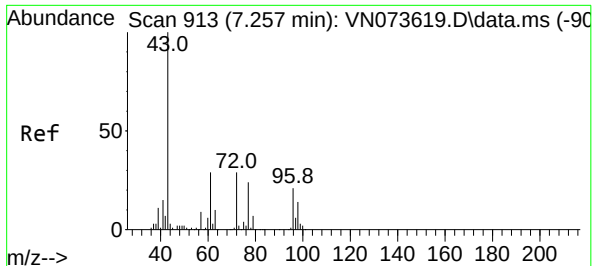
Tgt Ion: 73 Resp: 654890
Ion Ratio Lower Upper
73 100
57 20.6 17.6 26.4



#20
Methylene Chloride
Concen: 0.348 ug/l
RT: 5.022 min Scan# 533
Delta R.T. 0.012 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Tgt Ion: 84 Resp: 2127
Ion Ratio Lower Upper
84 100
49 100.9 88.3 132.5
51 0.0 28.2 42.2#
86 51.8 50.6 76.0

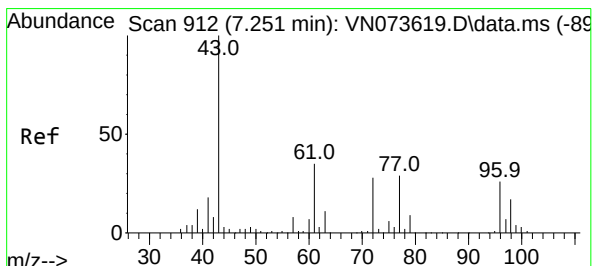
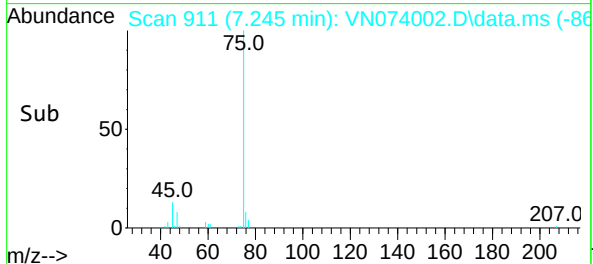
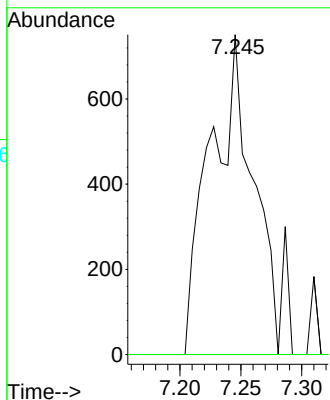
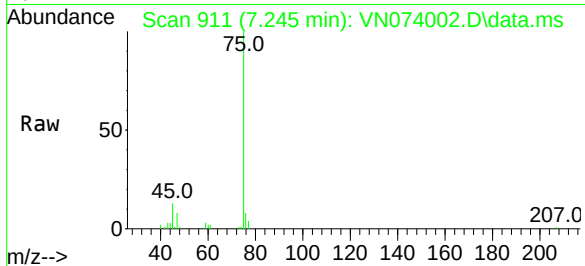




#25
2-Butanone
Concen: 0.398 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

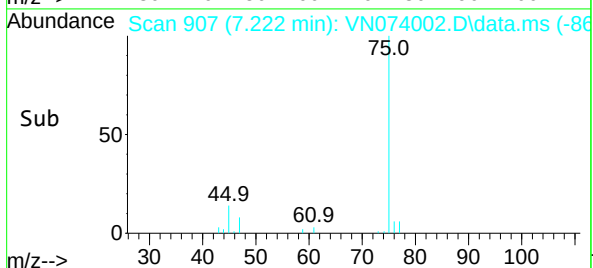
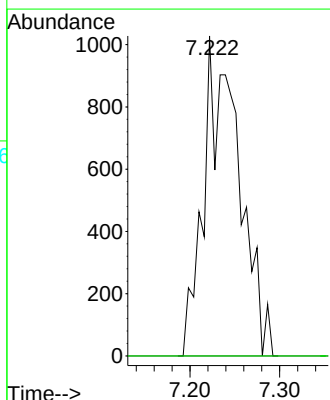
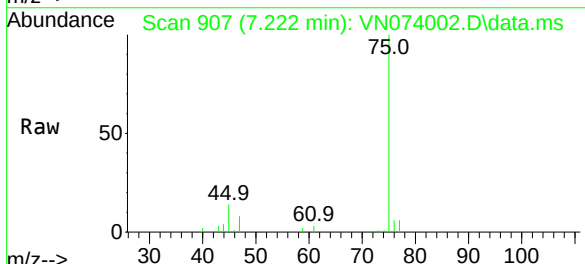
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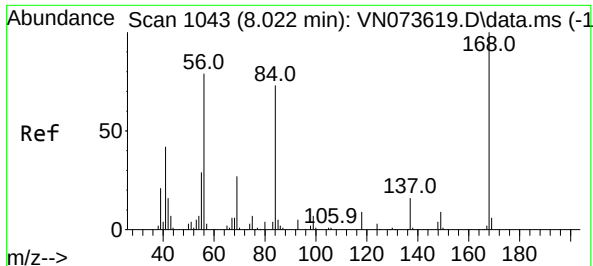
Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.309 ug/l
RT: 7.222 min Scan# 907
Delta R.T. -0.029 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Tgt Ion: 77 Resp: 2820
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#

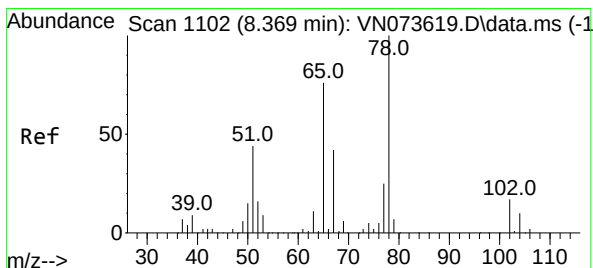
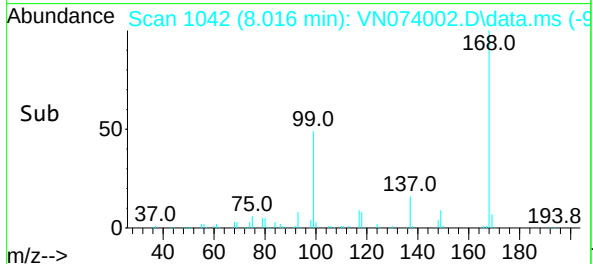
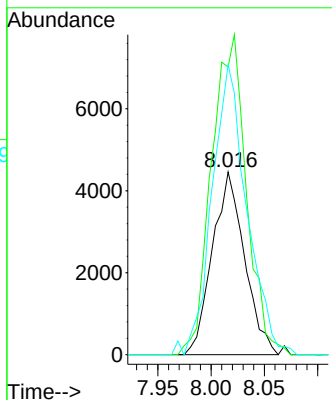
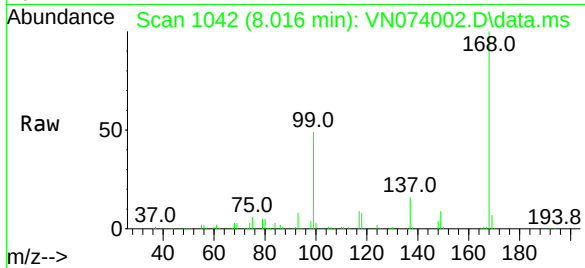




#31
Cyclohexane
Concen: 1.094 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

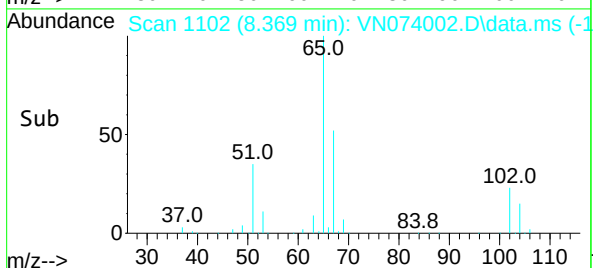
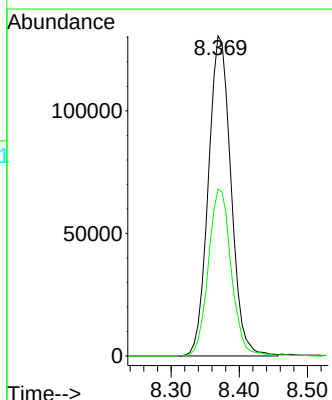
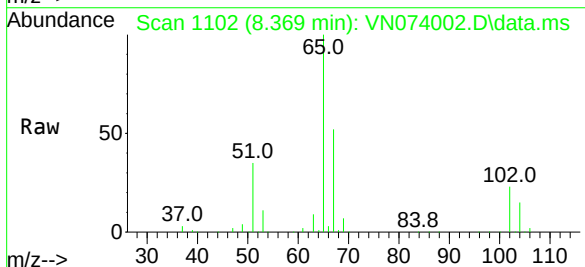
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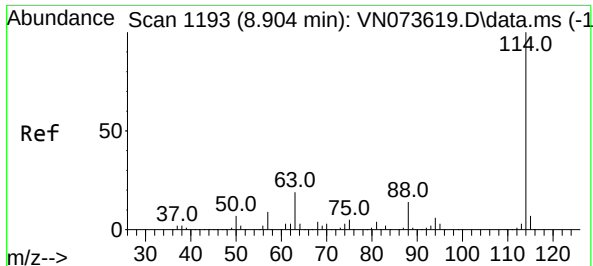
Tgt Ion: 56 Resp: 9358
Ion Ratio Lower Upper
56 100
69 157.3 27.8 41.8#
84 154.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 49.179 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Tgt Ion: 65 Resp: 301703
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074002.D

Acq: 18 Aug 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

MW-6DL

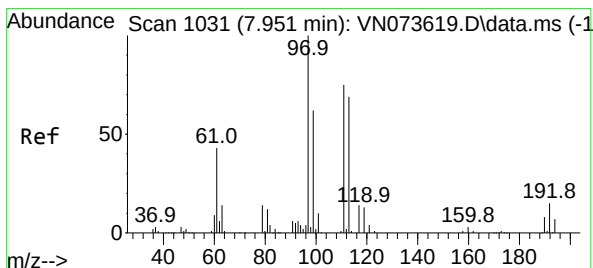
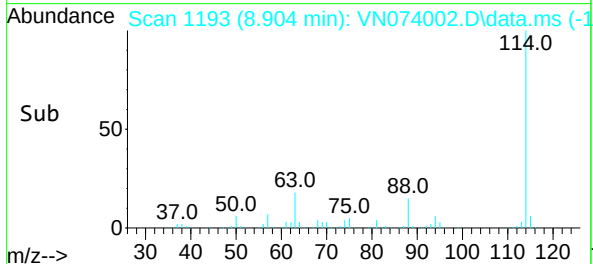
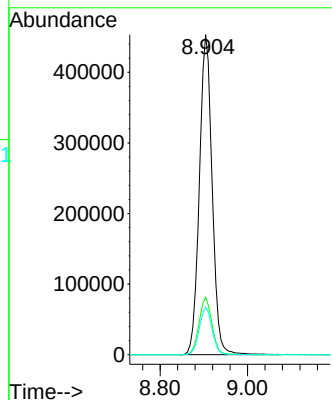
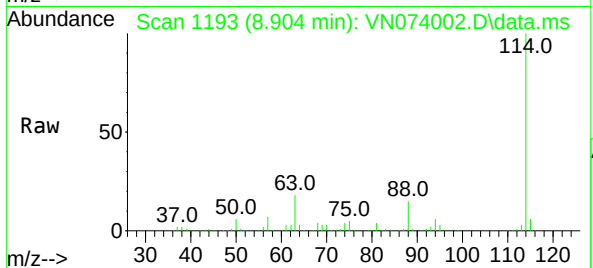
Tgt Ion:114 Resp: 922817

Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.0

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.236 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074002.D

Acq: 18 Aug 2022 14:09

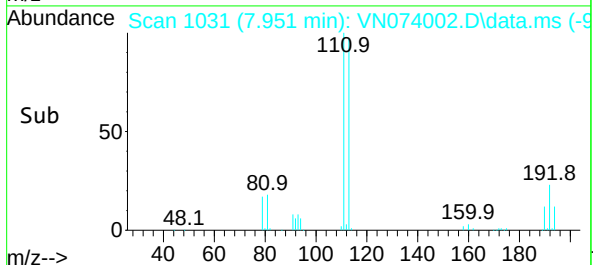
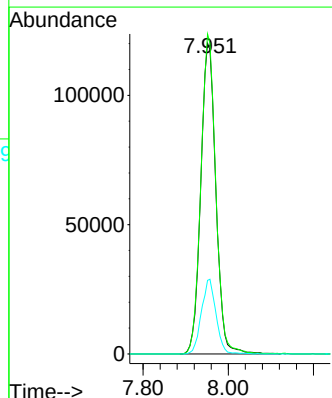
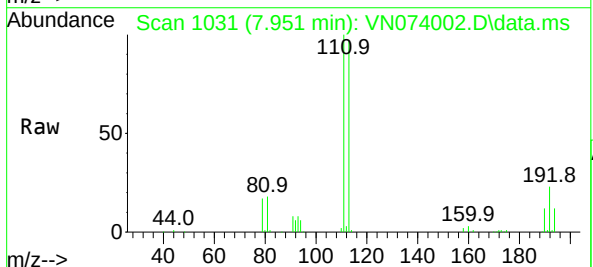
Tgt Ion:113 Resp: 295992

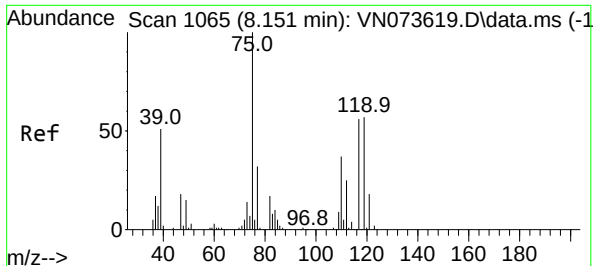
Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

192 23.2 17.0 25.6

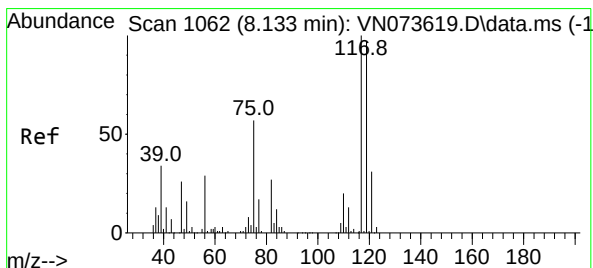
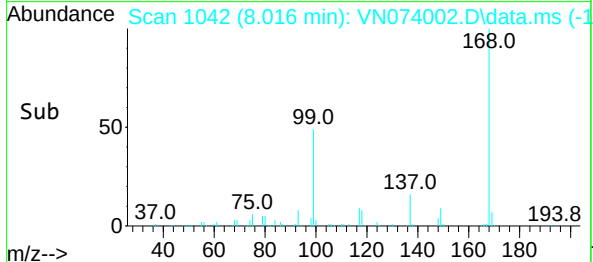
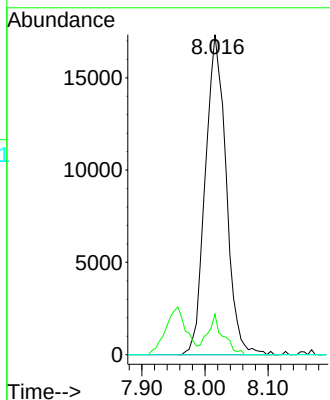
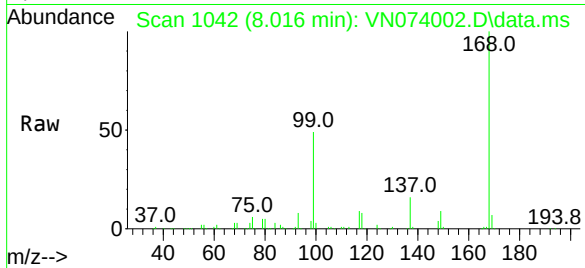




#36
1,1-Dichloropropene
Concen: 5.241 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

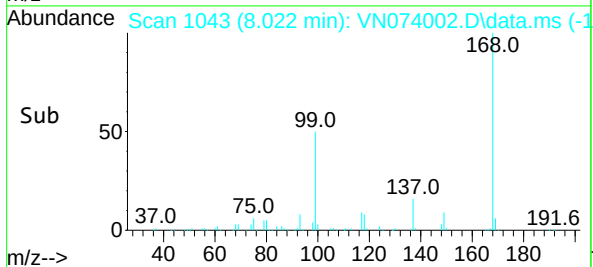
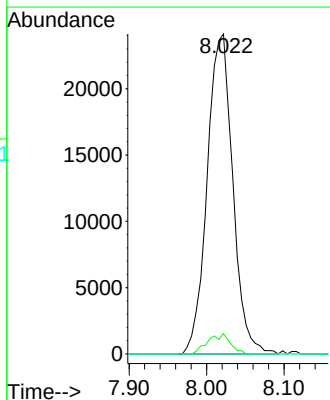
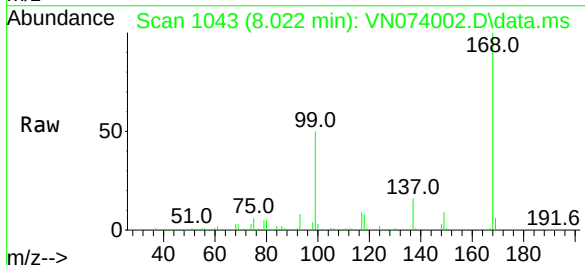
Instrument :
MSVOA_N
ClientSampleId :
MW-6DL

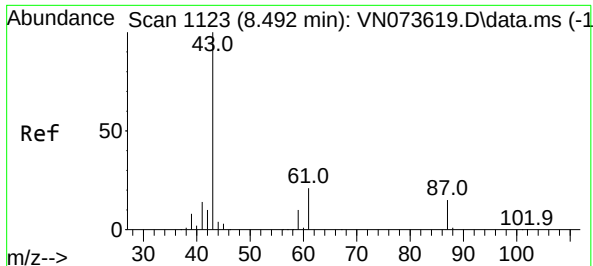
Tgt Ion: 75 Resp: 39729
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.403 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Tgt Ion: 117 Resp: 55481
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 24.6 37.0#

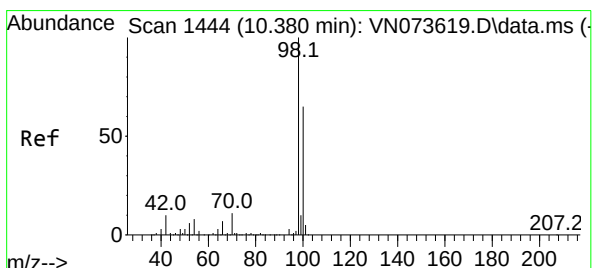
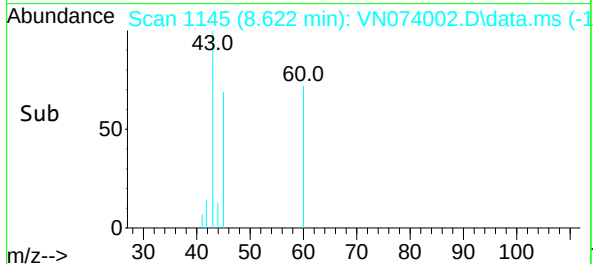
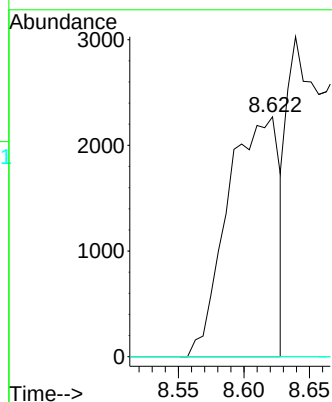
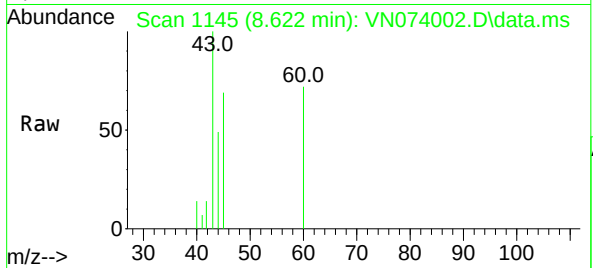




#43
Isopropyl Acetate
Concen: 0.474 ug/l
RT: 8.622 min Scan# 1123
Delta R.T. 0.130 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

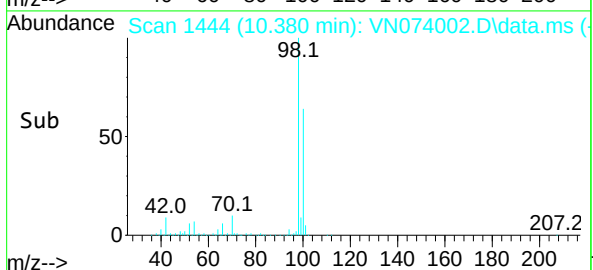
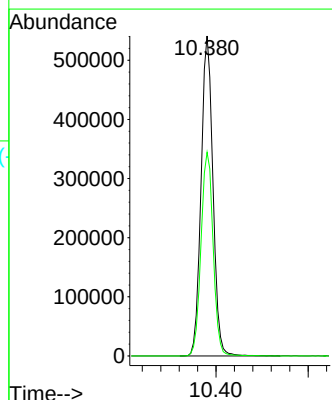
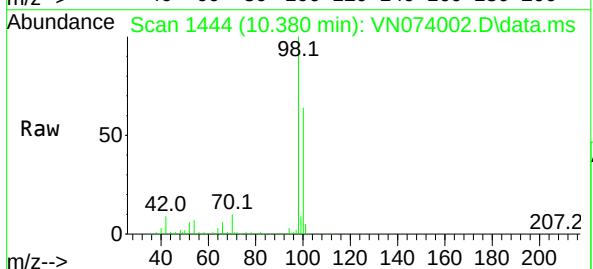
Instrument :
MSVOA_N
ClientSampleId :
MW-6DL

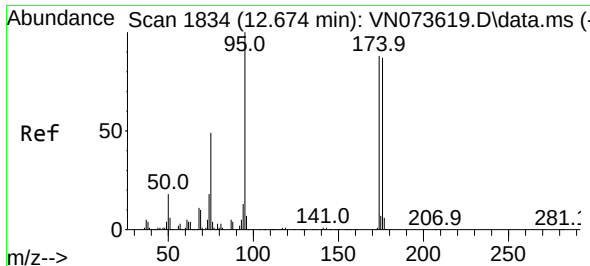
Tgt Ion: 43 Resp: 6205
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 45.728 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Tgt Ion: 98 Resp: 966528
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

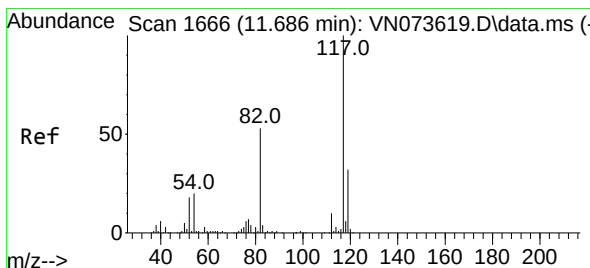
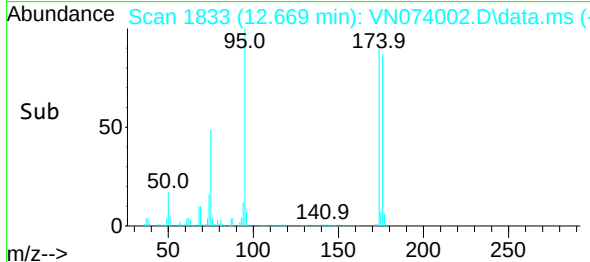
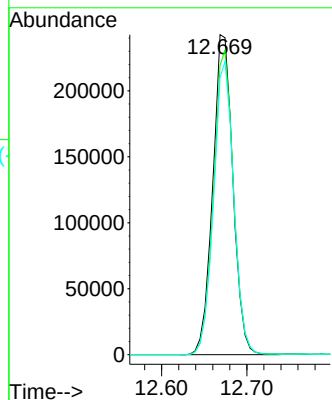
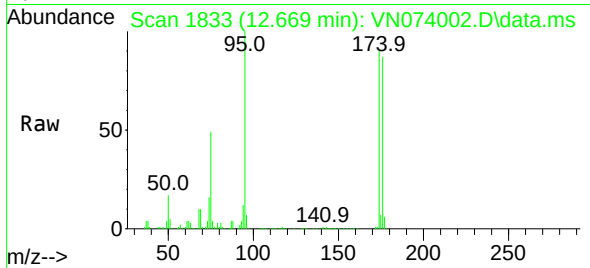




#62
4-Bromofluorobenzene
Concen: 56.868 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

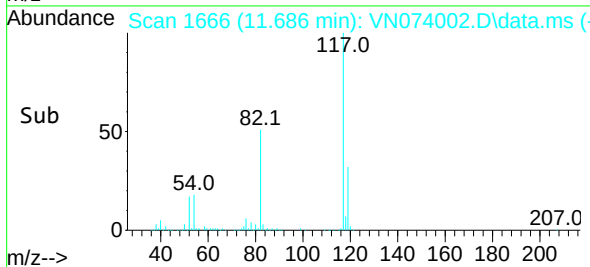
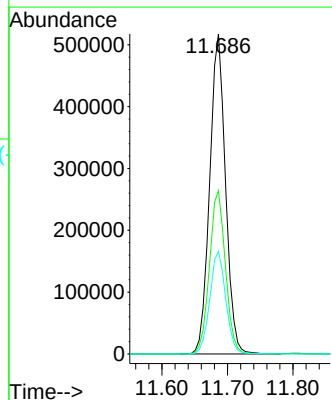
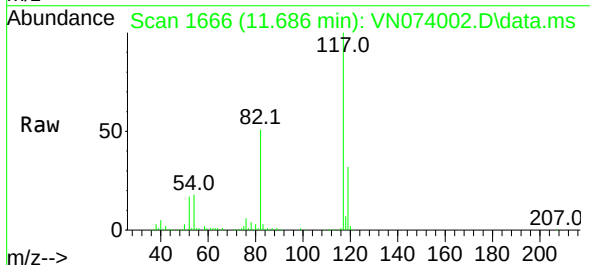
Instrument :
MSVOA_N
ClientSampleId :
MW-6DL

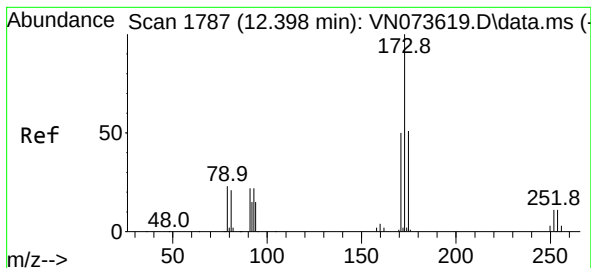
Tgt Ion: 95 Resp: 398910
Ion Ratio Lower Upper
95 100
174 94.4 0.0 167.6
176 91.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Tgt Ion: 117 Resp: 868661
Ion Ratio Lower Upper
117 100
82 51.1 44.2 66.2
119 32.1 25.4 38.0





#71

Bromoform

Concen: 0.368 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN074002.D

Acq: 18 Aug 2022 14:09

Instrument :

MSVOA_N

ClientSampleId :

MW-6DL

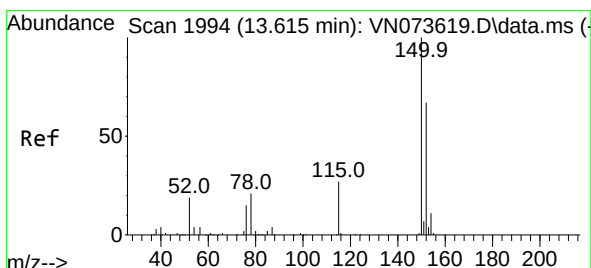
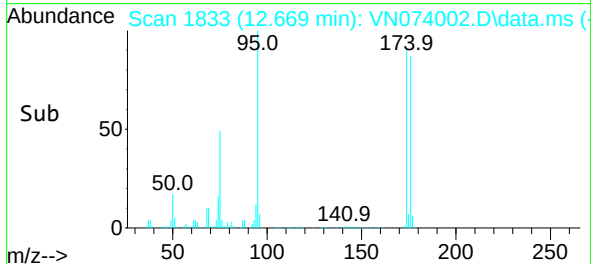
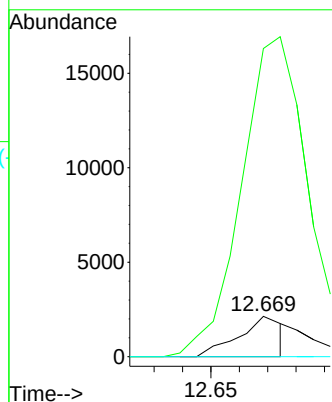
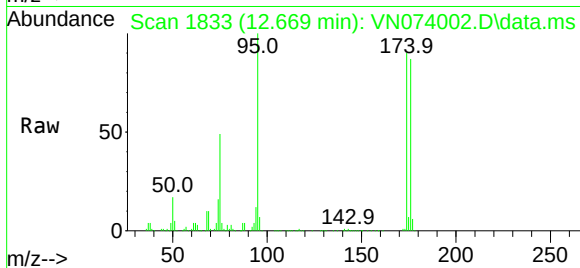
Tgt Ion:173 Resp: 2294

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: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074002.D

Acq: 18 Aug 2022 14:09

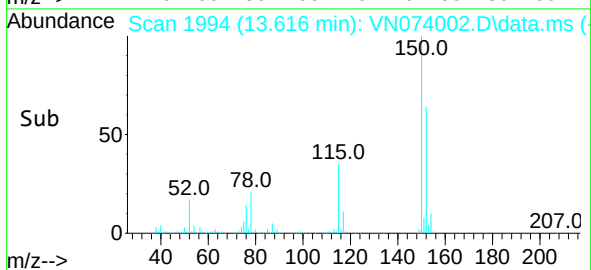
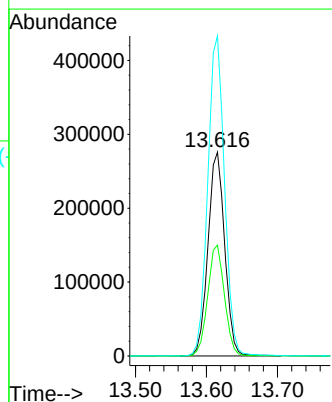
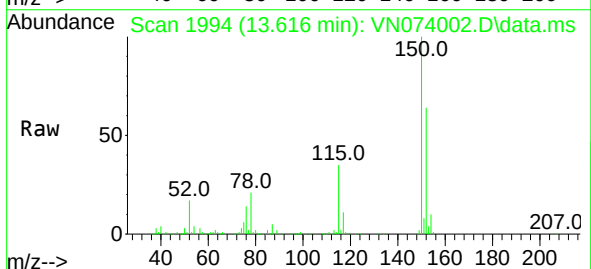
Tgt Ion:152 Resp: 452503

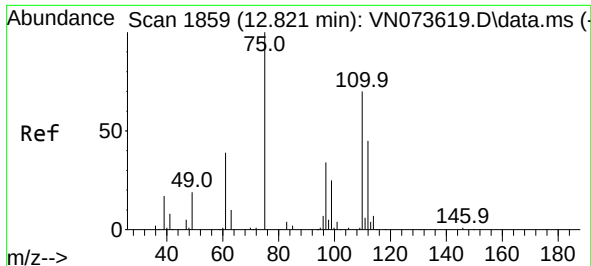
Ion Ratio Lower Upper

152 100

115 54.4 28.9 86.7

150 157.1 0.0 356.2

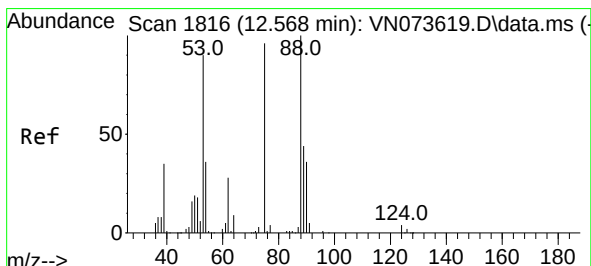
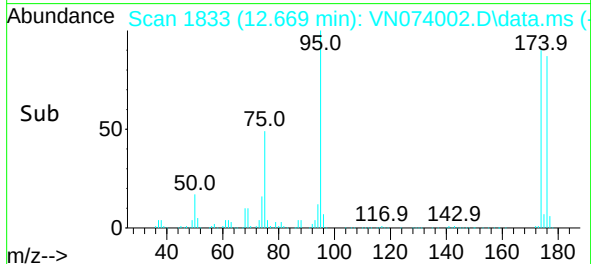
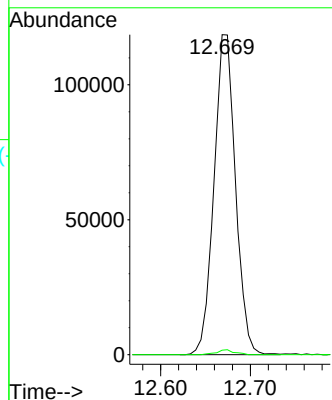
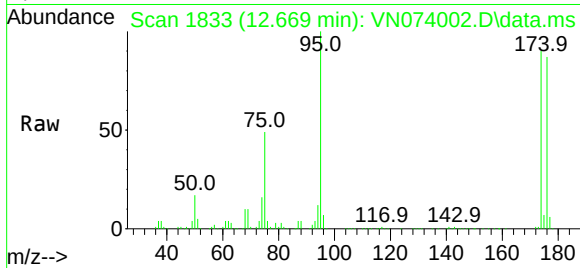




#76
1,2,3-Trichloropropane
Concen: 20.978 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.152 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Instrument :
MSVOA_N
ClientSampleId :
MW-6DL

Tgt Ion: 75 Resp: 197305
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.666 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.101 min
Lab File: VN074002.D
Acq: 18 Aug 2022 14:09

Tgt Ion: 75 Resp: 197305
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

