

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074337.D
 Acq On : 03 Sep 2022 23:26
 Operator : JC\MD
 Sample : N4381-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-35

Quant Time: Sep 05 05:42:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

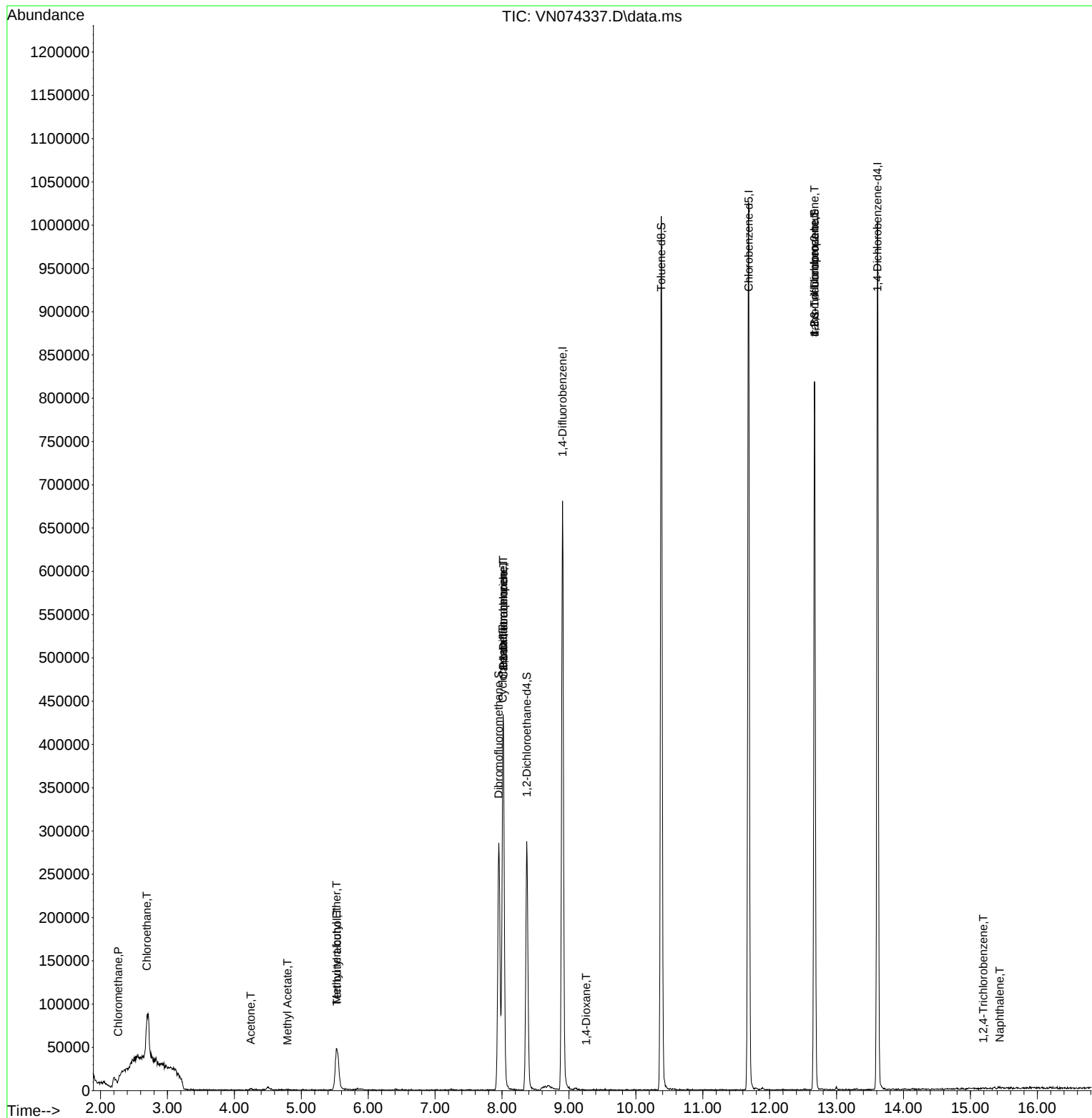
Internal Standards						
1) Pentafluorobenzene	8.016	168	313250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	577247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	564682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	247756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	224681	46.013	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.020%
35) Dibromofluoromethane	7.951	113	202685	52.988	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.980%
50) Toluene-d8	10.381	98	683391	45.308	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.620%
62) 4-Bromofluorobenzene	12.669	95	251299	45.786	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.580%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1335	0.312	ug/l #	43
6) Chloroethane	2.693	64	49653	7.917	ug/l #	49
11) Tert butyl alcohol	5.534	59	225	0.254	ug/l #	1
16) Acetone	4.246	43	2133	1.045	ug/l #	71
18) Methyl Acetate	4.793	43	2288	0.373	ug/l #	55
19) Methyl tert-butyl Ether	5.528	73	79414	6.498	ug/l	93
20) Methylene Chloride	5.034	84	71	Below Cal	#	5
31) Cyclohexane	8.010	56	7651	1.173	ug/l #	41
36) 1,1-Dichloropropene	8.016	75	29912	5.510	ug/l #	48
38) Carbon Tetrachloride	8.022	117	34972	6.377	ug/l #	16
49) 1,4-Dioxane	9.257	88	100	0.857	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	143932	20.512	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	143932	66.587	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.192	180	54	0.866	ug/l #	41
95) Naphthalene	15.439	128	1418	0.841	ug/l #	75

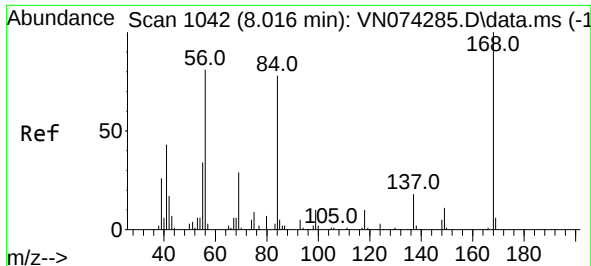
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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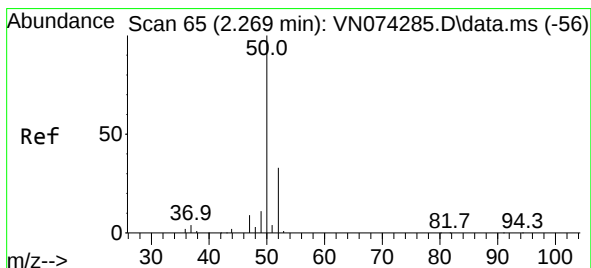
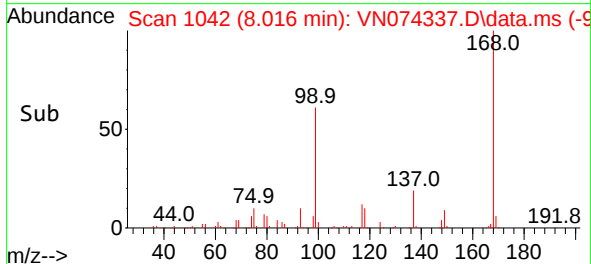
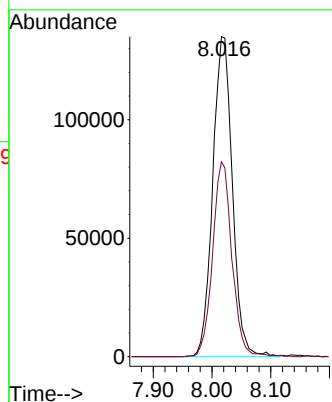
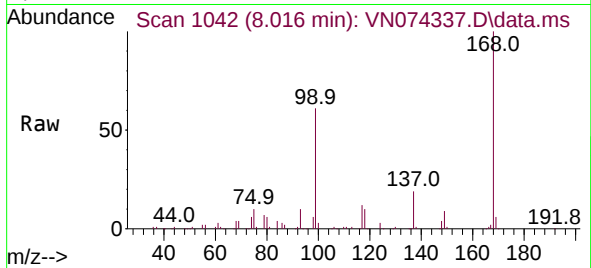




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074337.D
Acq: 03 Sep 2022 23:26

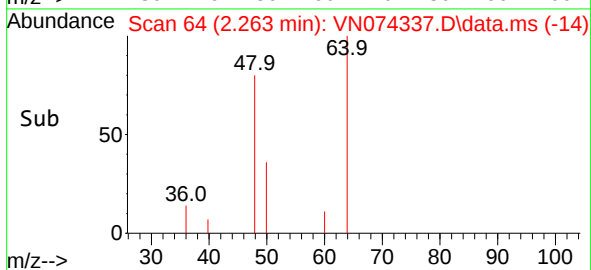
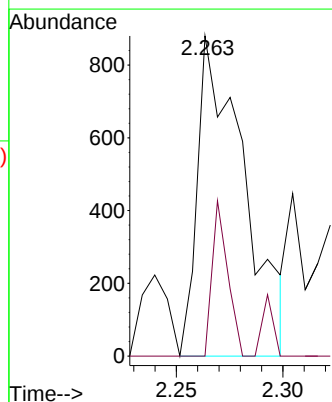
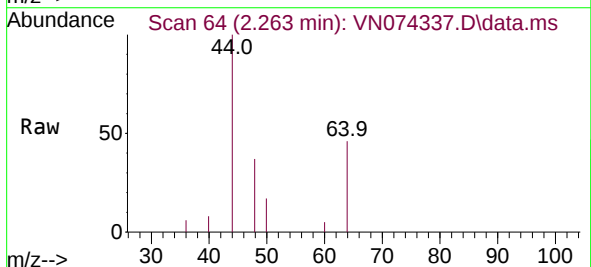
Instrument :
MSVOA_N
ClientSampleId :
MW-35

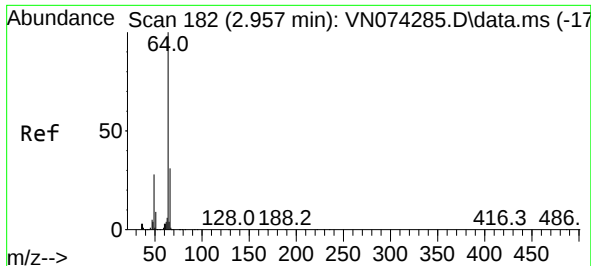
Tgt Ion:168 Resp: 313250
Ion Ratio Lower Upper
168 100
99 60.9 42.3 63.5



#3
Chloromethane
Concen: 0.312 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074337.D
Acq: 03 Sep 2022 23:26

Tgt Ion: 50 Resp: 1335
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

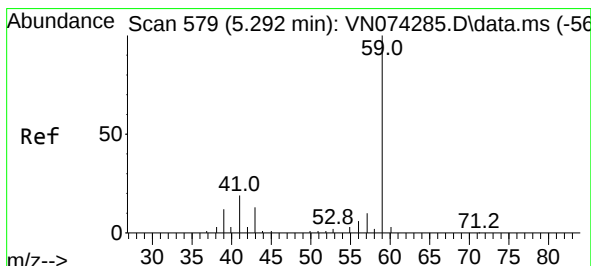
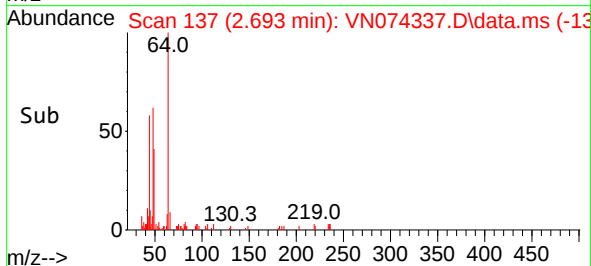
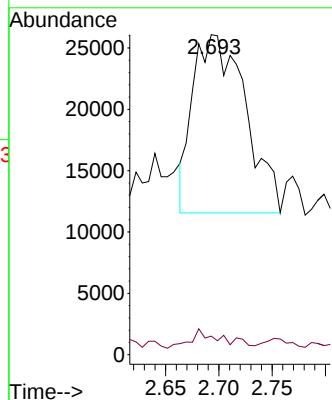
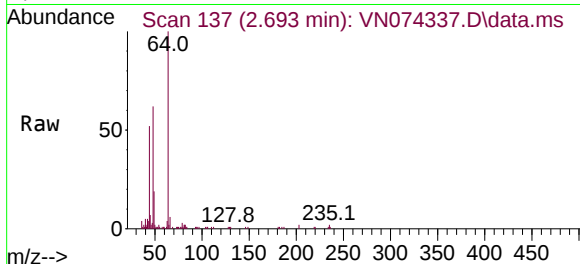




#6
Chloroethane
Concen: 7.917 ug/l
RT: 2.693 min Scan# 11
Delta R.T. -0.258 min
Lab File: VN074337.D
Acq: 03 Sep 2022 23:26

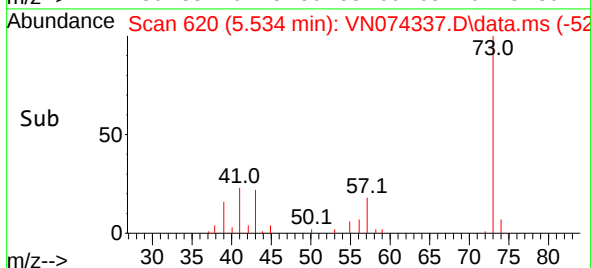
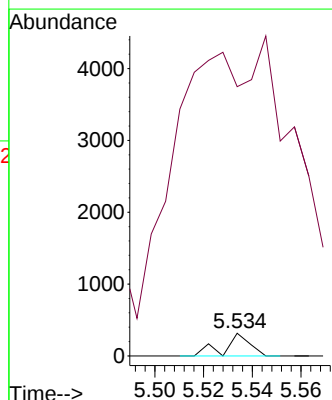
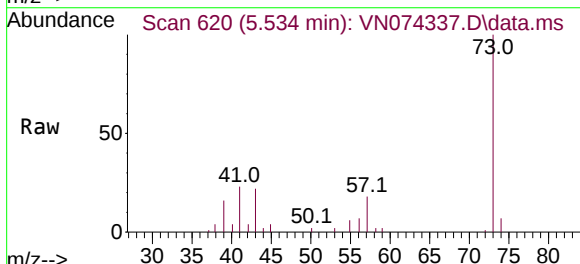
Instrument :
MSVOA_N
ClientSampleId :
MW-35

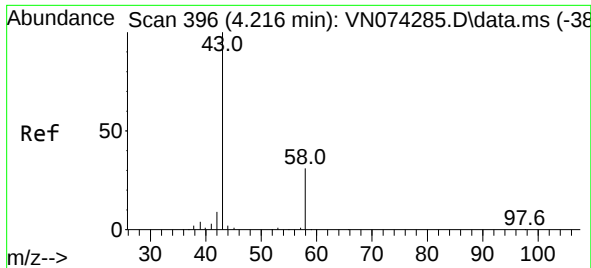
Tgt Ion: 64 Resp: 49653
Ion Ratio Lower Upper
64 100
66 4.3 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.254 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.247 min
Lab File: VN074337.D
Acq: 03 Sep 2022 23:26

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 6746.2 8.3 12.5#





#16

Acetone

Concen: 1.045 ug/l

RT: 4.246 min Scan# 401

Delta R.T. 0.024 min

Lab File: VN074337.D

Acq: 03 Sep 2022 23:26

Instrument :

MSVOA_N

ClientSampleId :

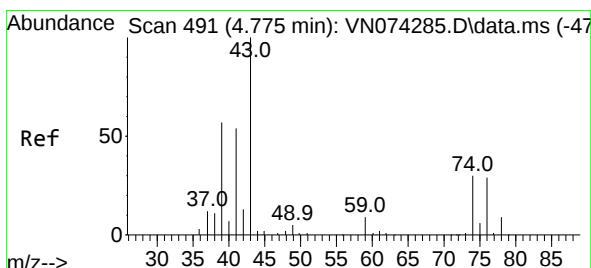
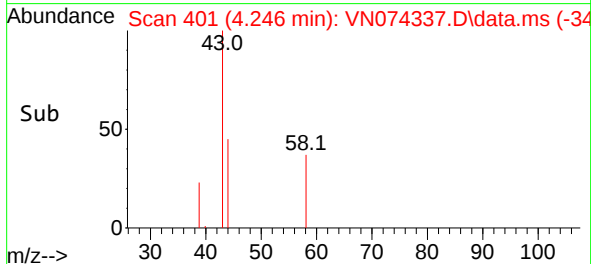
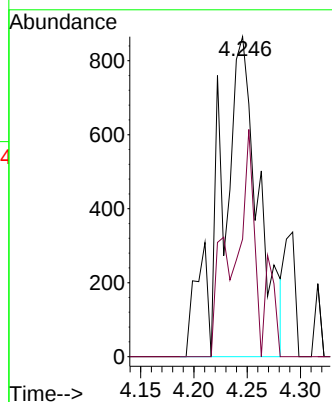
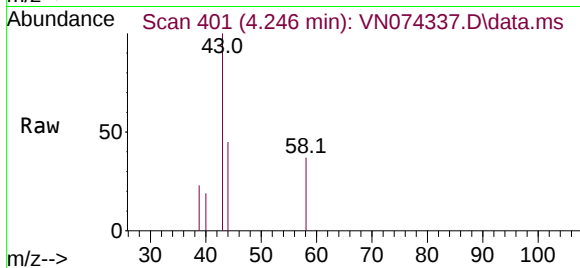
MW-35

Tgt Ion: 43 Resp: 2133

Ion Ratio Lower Upper

43 100

58 48.5 26.0 39.0#



#18

Methyl Acetate

Concen: 0.373 ug/l

RT: 4.793 min Scan# 494

Delta R.T. 0.018 min

Lab File: VN074337.D

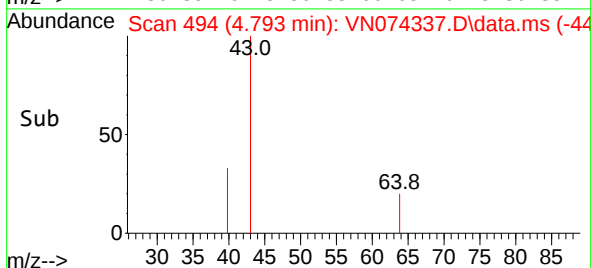
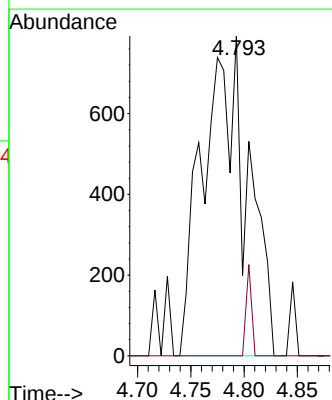
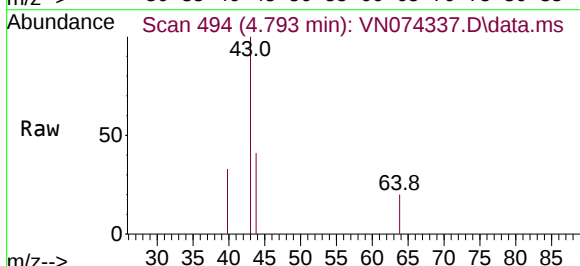
Acq: 03 Sep 2022 23:26

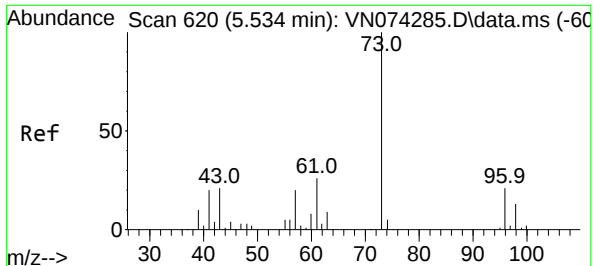
Tgt Ion: 43 Resp: 2288

Ion Ratio Lower Upper

43 100

74 3.5 21.6 32.4#





#19

Methyl tert-butyl Ether

Concen: 6.498 ug/l

RT: 5.528 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN074337.D

Acq: 03 Sep 2022 23:26

Instrument :

MSVOA_N

ClientSampleId :

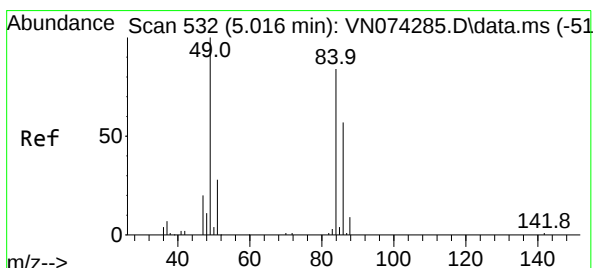
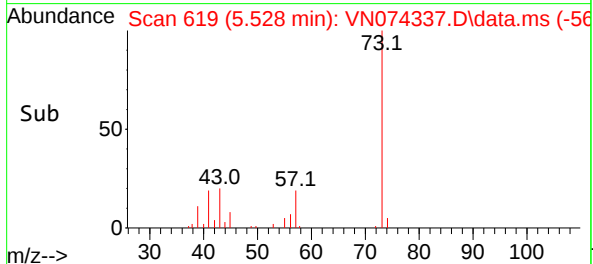
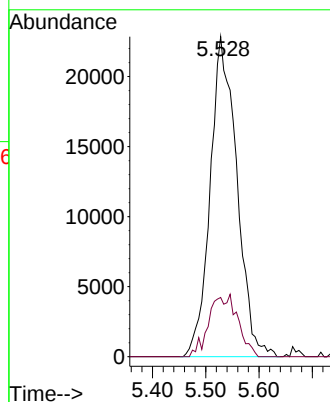
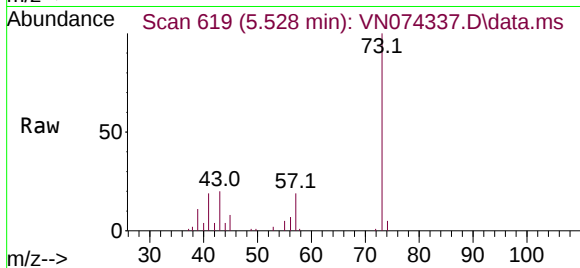
MW-35

Tgt Ion: 73 Resp: 79414

Ion Ratio Lower Upper

73 100

57 18.5 17.6 26.4



#20

Methylene Chloride

Concen: Below Cal

RT: 5.034 min Scan# 535

Delta R.T. 0.024 min

Lab File: VN074337.D

Acq: 03 Sep 2022 23:26

Tgt Ion: 84 Resp: 71

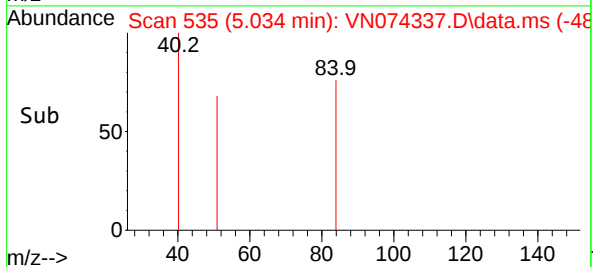
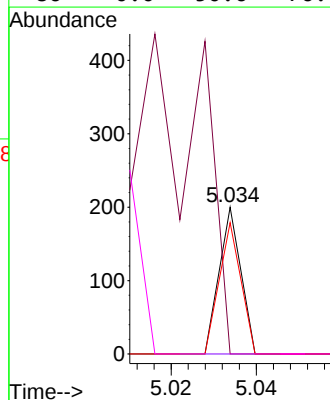
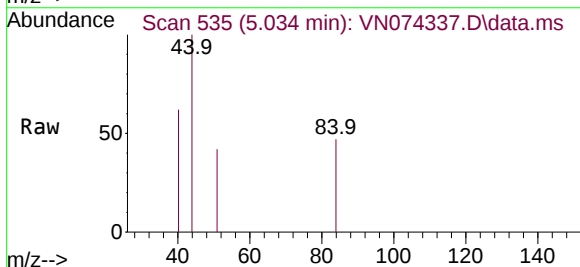
Ion Ratio Lower Upper

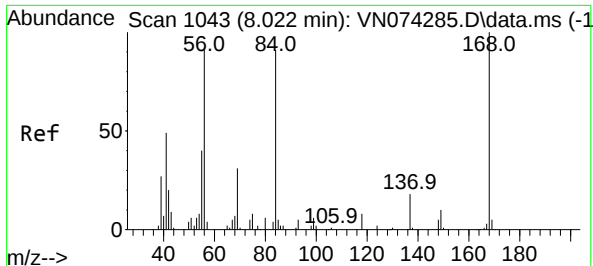
84 100

49 0.0 88.3 132.5#

51 89.5 28.2 42.2#

86 0.0 50.6 76.0#

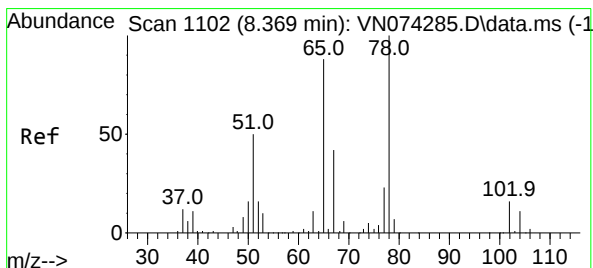
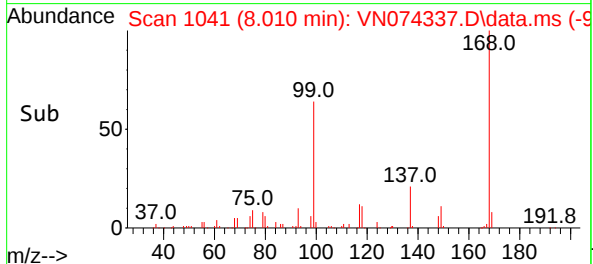
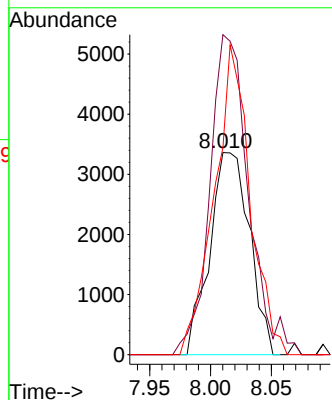
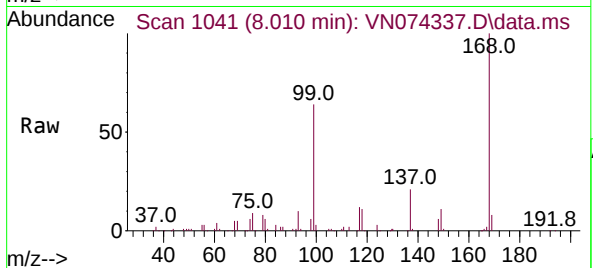




#31
Cyclohexane
Concen: 1.173 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN074337.D
Acq: 03 Sep 2022 23:26

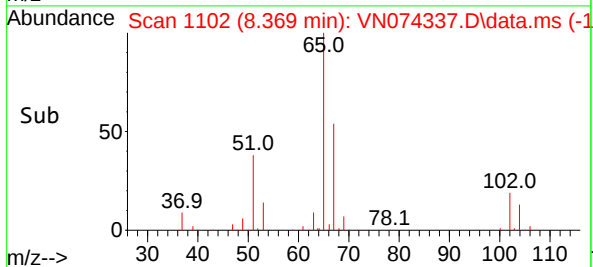
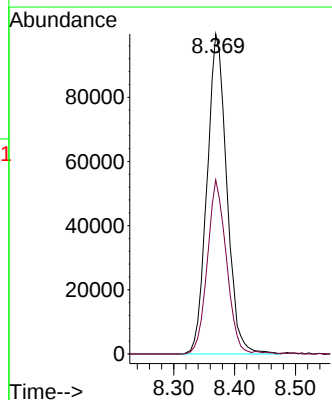
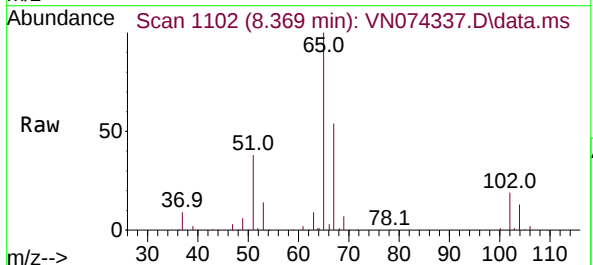
Instrument :
MSVOA_N
ClientSampleId :
MW-35

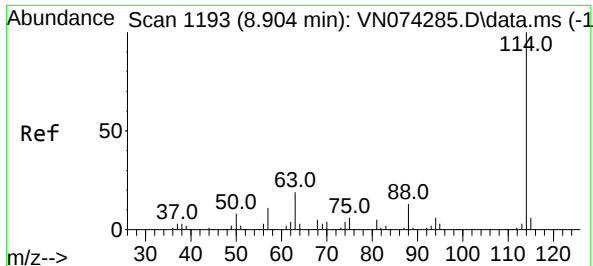
Tgt Ion: 56 Resp: 7651
Ion Ratio Lower Upper
56 100
69 152.6 27.8 41.8#
84 102.3 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 46.013 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074337.D
Acq: 03 Sep 2022 23:26

Tgt Ion: 65 Resp: 224681
Ion Ratio Lower Upper
65 100
67 52.2 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: VN074337.D

Acq: 03 Sep 2022 23:26

Instrument :

MSVOA_N

ClientSampleId :

MW-35

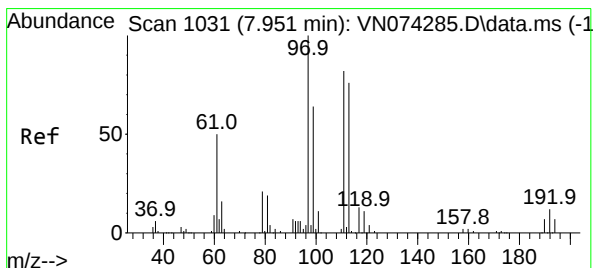
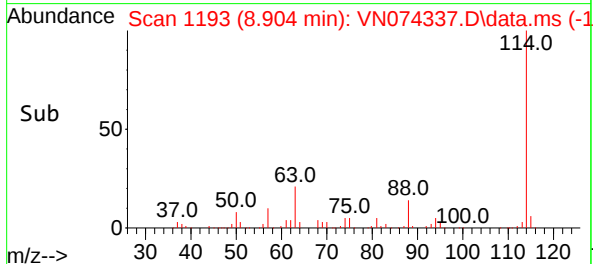
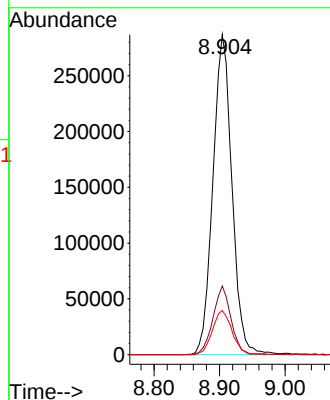
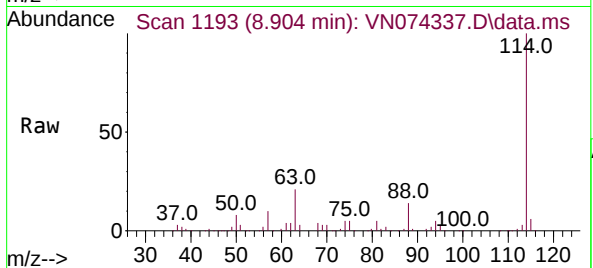
Tgt Ion:114 Resp: 577247

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 13.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.988 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074337.D

Acq: 03 Sep 2022 23:26

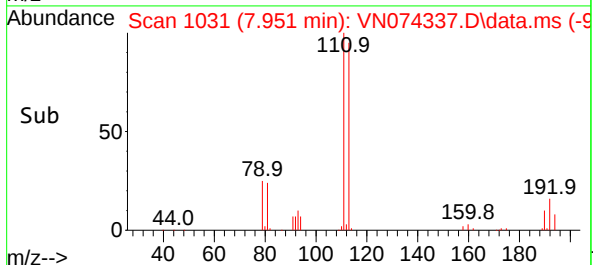
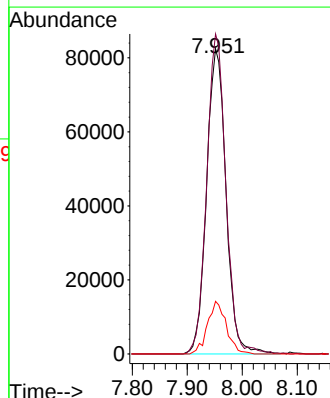
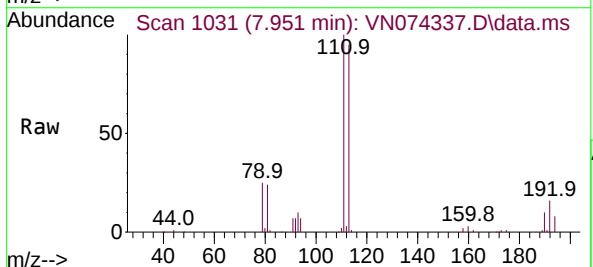
Tgt Ion:113 Resp: 202685

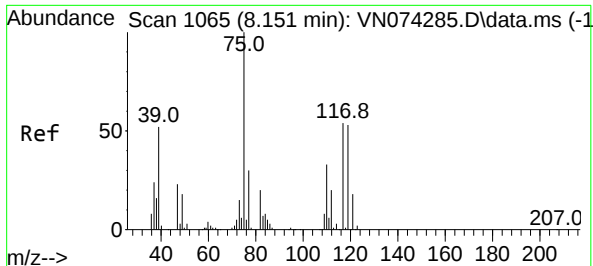
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 16.7 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 5.510 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074337.D

Acq: 03 Sep 2022 23:26

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MW-35

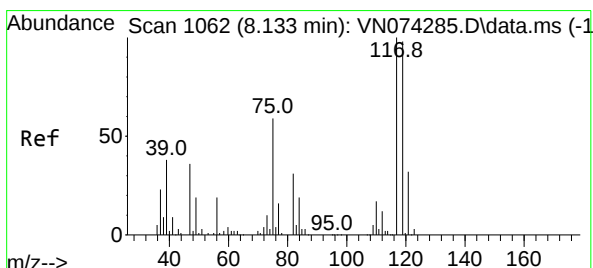
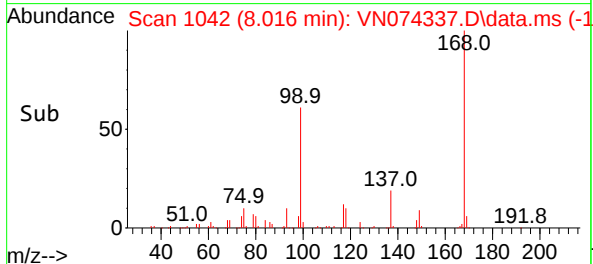
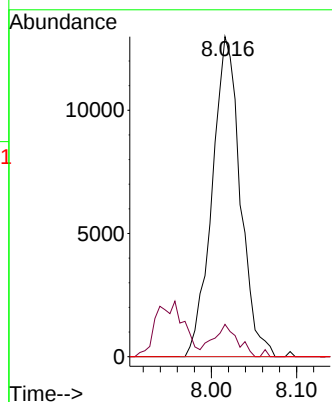
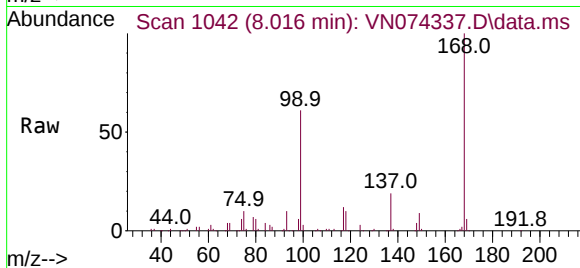
Tgt Ion: 75 Resp: 29912

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.377 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.111 min

Lab File: VN074337.D

Acq: 03 Sep 2022 23:26

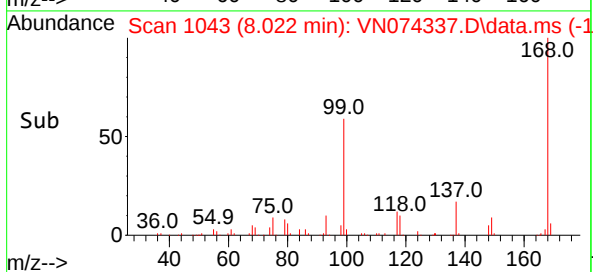
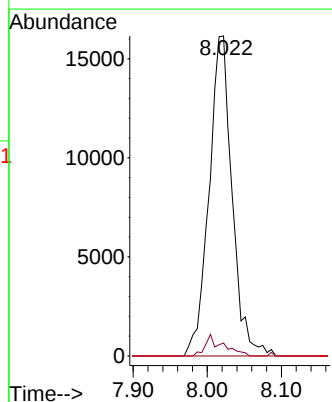
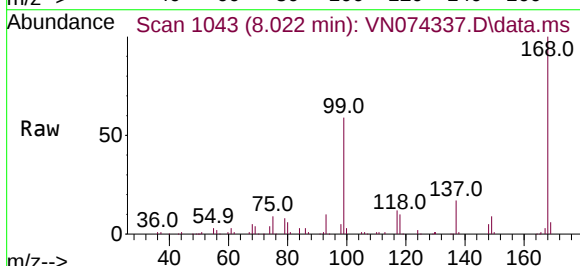
Tgt Ion: 117 Resp: 34972

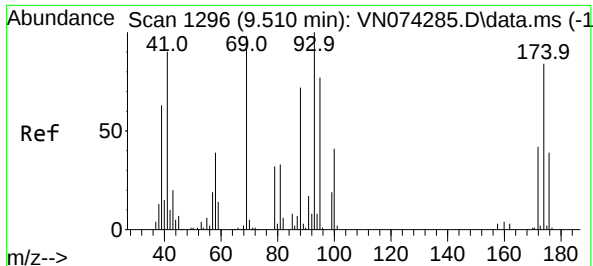
Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

121 0.0 24.6 37.0#





#49

1,4-Dioxane

Concen: 0.857 ug/l

RT: 9.257 min Scan# 1253

Delta R.T. -0.247 min

Lab File: VN074337.D

Acq: 03 Sep 2022 23:26

Instrument :

MSVOA_N

ClientSampleId :

MW-35

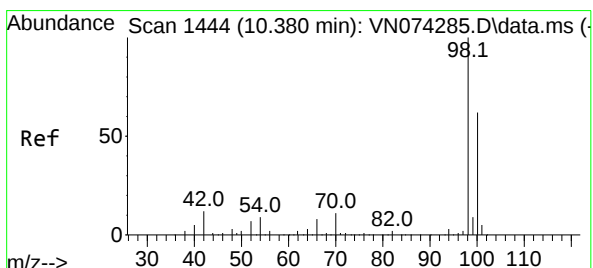
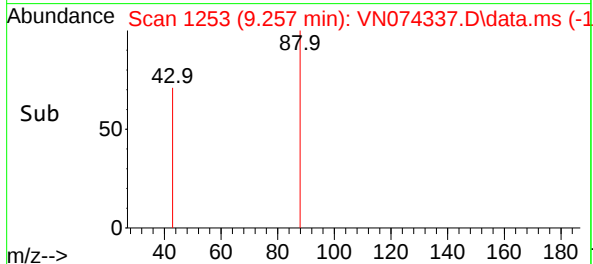
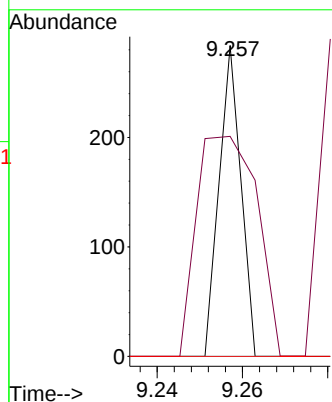
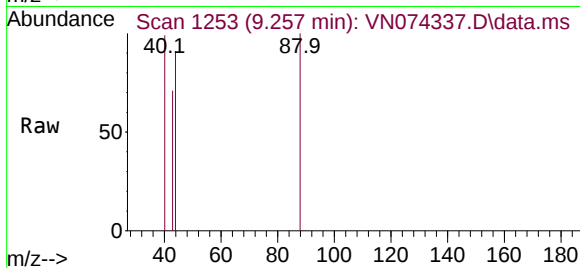
Tgt Ion: 88 Resp: 100

Ion Ratio Lower Upper

88 100

43 198.0 20.2 30.4#

58 0.0 54.2 81.4#



#50

Toluene-d8

Concen: 45.308 ug/l

RT: 10.381 min Scan# 1444

Delta R.T. 0.001 min

Lab File: VN074337.D

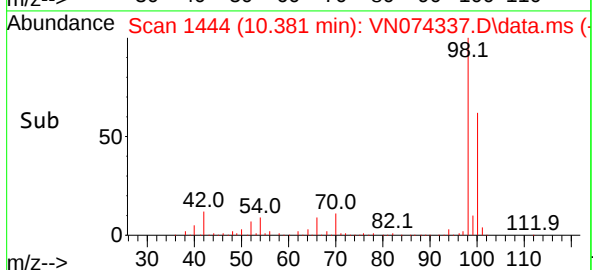
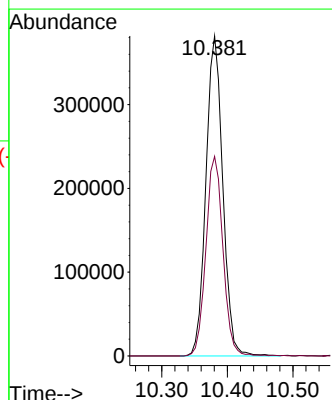
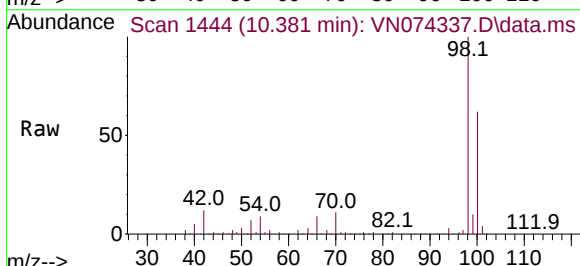
Acq: 03 Sep 2022 23:26

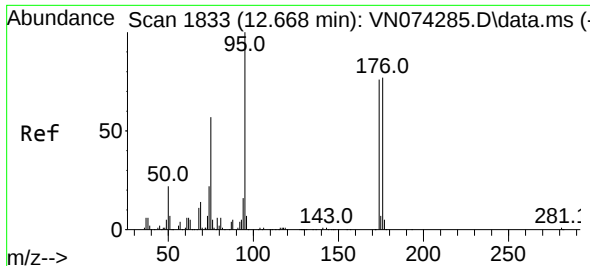
Tgt Ion: 98 Resp: 683391

Ion Ratio Lower Upper

98 100

100 63.1 52.6 78.8

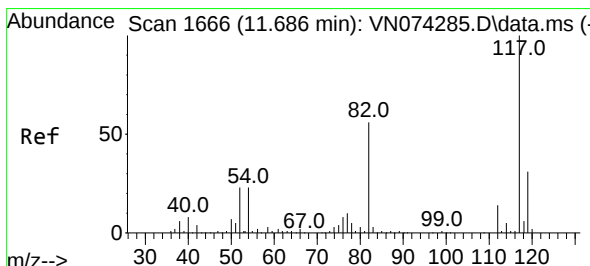
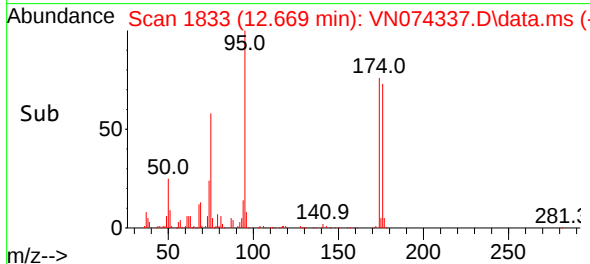
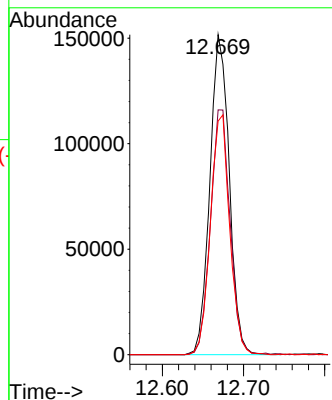
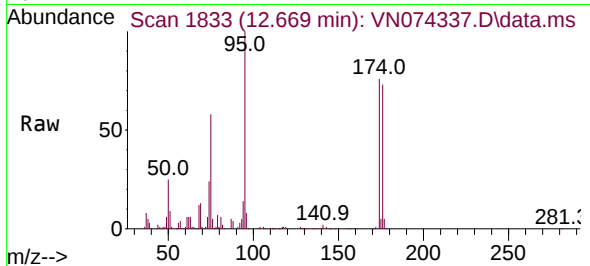




#62
4-Bromofluorobenzene
Concen: 45.786 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074337.D
Acq: 03 Sep 2022 23:26

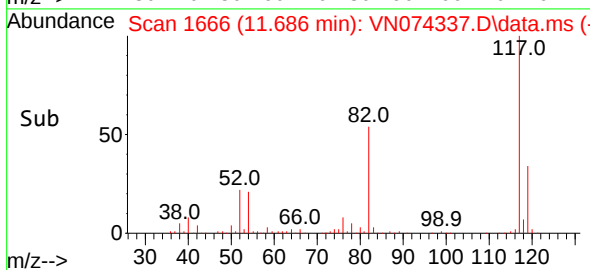
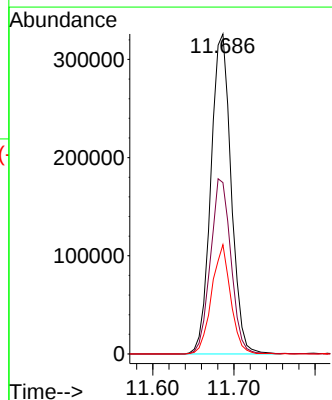
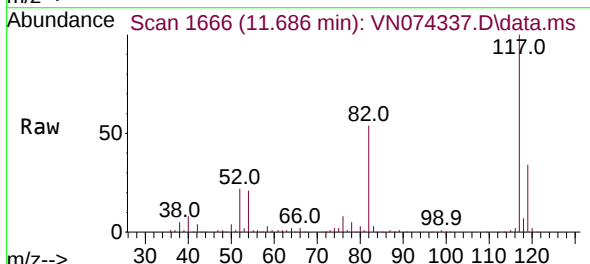
Instrument :
MSVOA_N
ClientSampleId :
MW-35

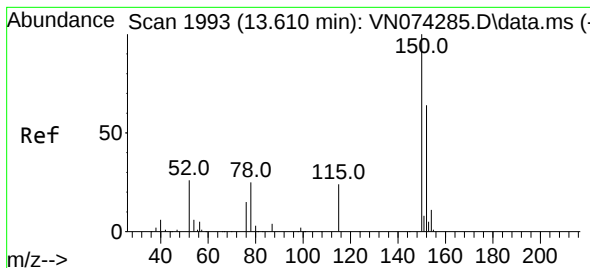
Tgt Ion: 95 Resp: 251299
Ion Ratio Lower Upper
95 100
174 77.6 0.0 167.6
176 74.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074337.D
Acq: 03 Sep 2022 23:26

Tgt Ion: 117 Resp: 564682
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 34.1 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN074337.D

Acq: 03 Sep 2022 23:26

Instrument :

MSVOA_N

ClientSampleId :

MW-35

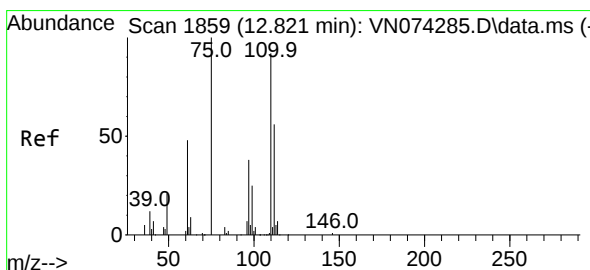
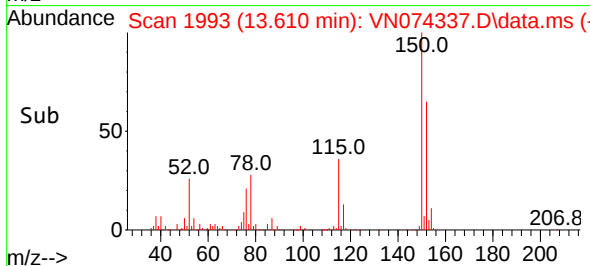
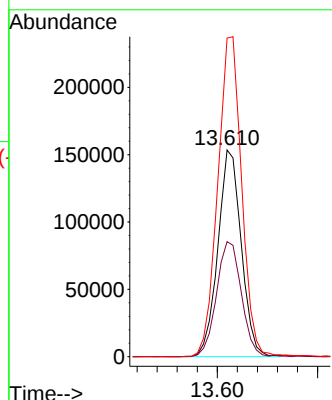
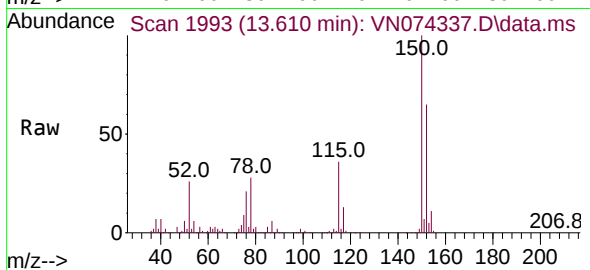
Tgt Ion:152 Resp: 247756

Ion Ratio Lower Upper

152 100

115 59.2 28.9 86.7

150 158.9 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 20.512 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.152 min

Lab File: VN074337.D

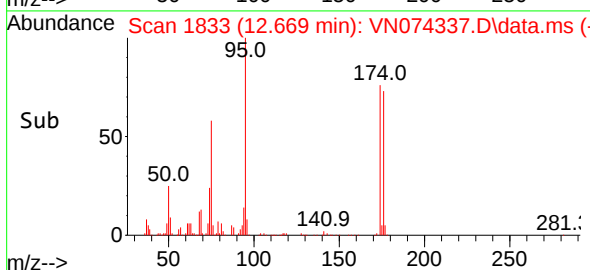
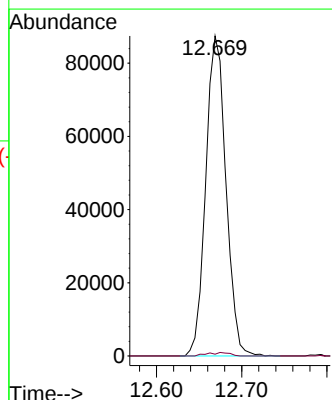
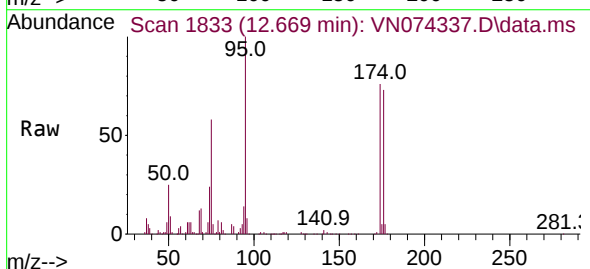
Acq: 03 Sep 2022 23:26

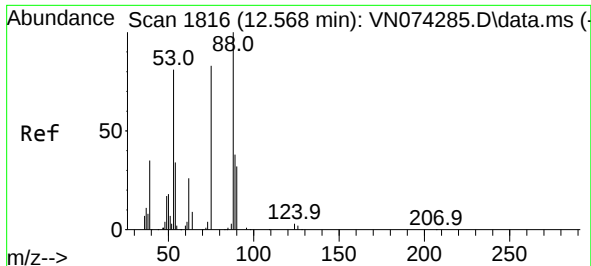
Tgt Ion: 75 Resp: 143932

Ion Ratio Lower Upper

75 100

77 1.2 98.5 295.5#

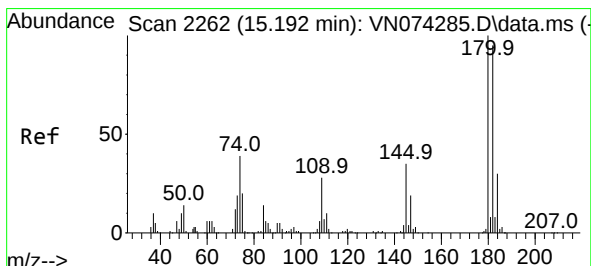
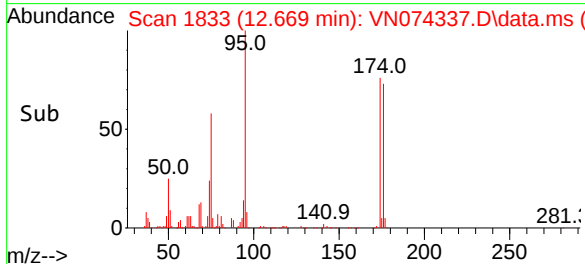
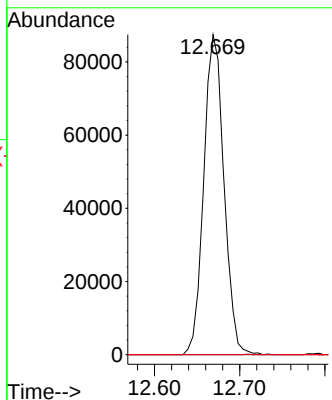
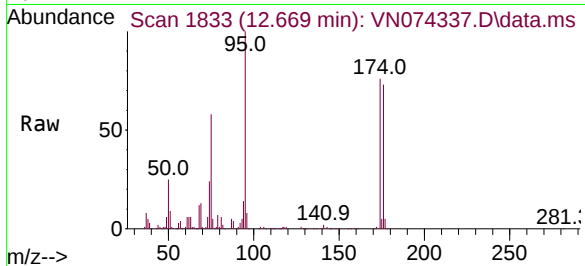




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.587 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. 0.106 min
 Lab File: VN074337.D
 Acq: 03 Sep 2022 23:26

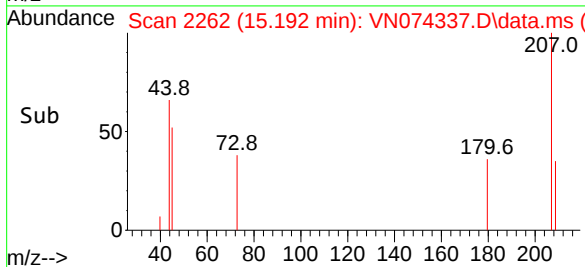
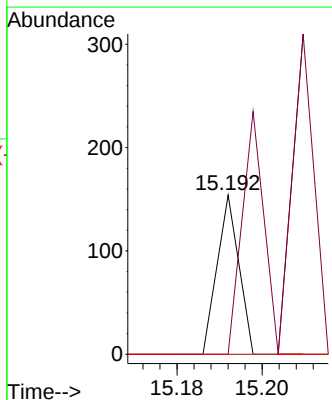
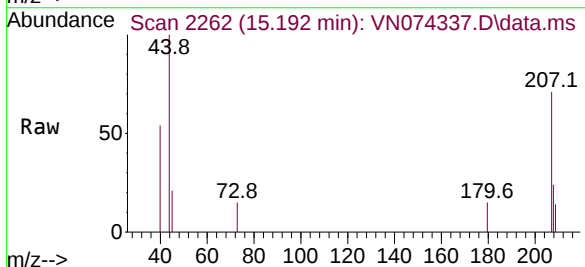
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-35

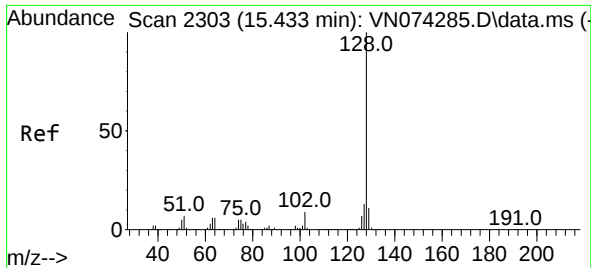
Tgt Ion: 75 Resp: 143932
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.866 ug/l
 RT: 15.192 min Scan# 2262
 Delta R.T. -0.006 min
 Lab File: VN074337.D
 Acq: 03 Sep 2022 23:26

Tgt Ion:180 Resp: 54
 Ion Ratio Lower Upper
 180 100
 182 153.7 47.5 142.5#
 145 0.0 14.5 43.5#





#95

Naphthalene

Concen: 0.841 ug/l

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN074337.D

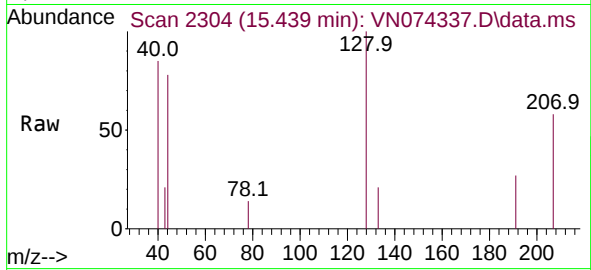
Acq: 03 Sep 2022 23:26

Instrument :

MSVOA_N

ClientSampleId :

MW-35



Tgt Ion:128 Resp: 1418

Ion Ratio Lower Upper

128 100

127 3.9 10.3 15.5#

129 0.0 8.6 13.0#

