

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074336.D
 Acq On : 03 Sep 2022 23:01
 Operator : JC\MD
 Sample : N4381-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-48

Quant Time: Sep 05 05:42:31 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)

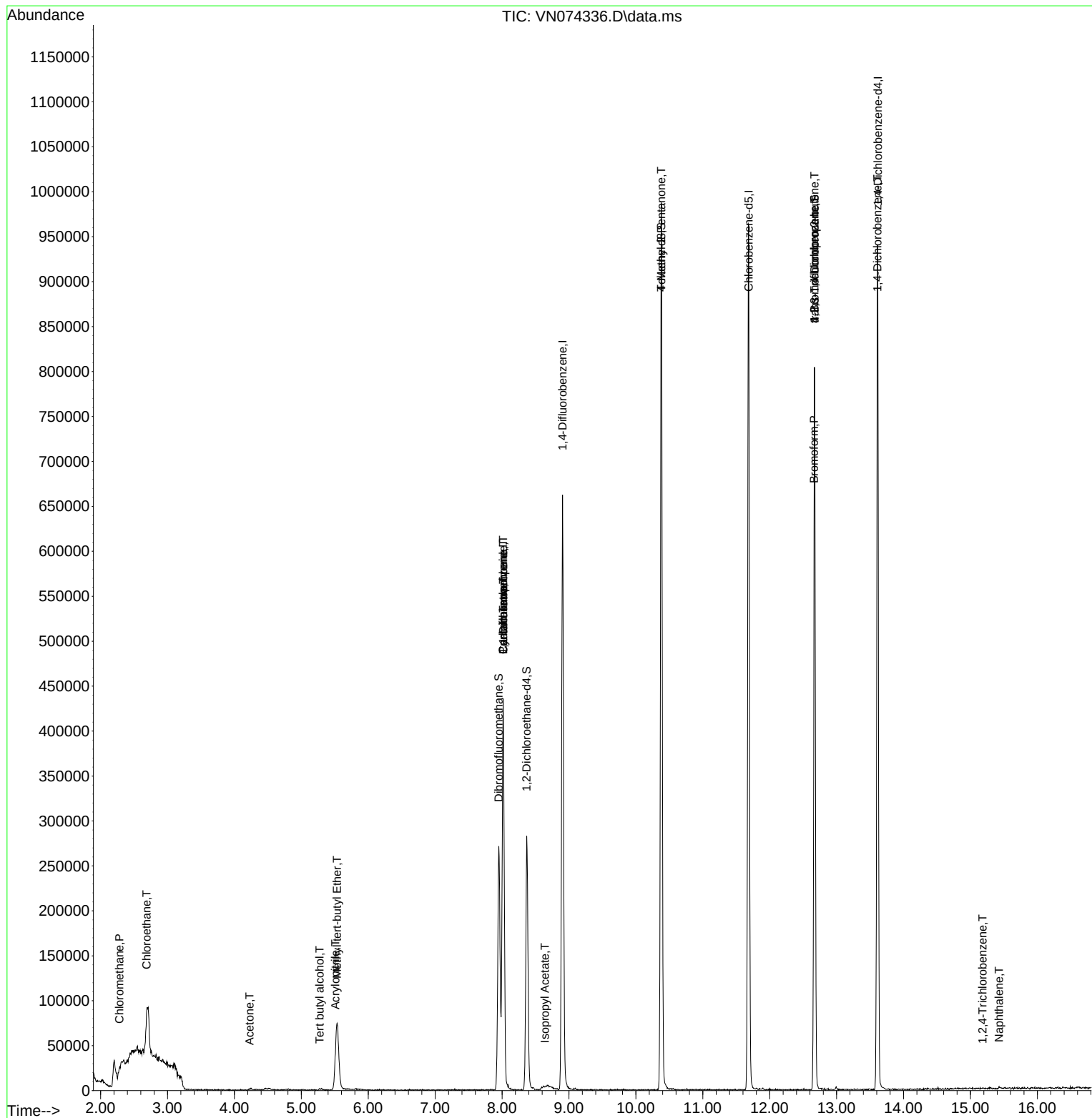
Internal Standards						
1) Pentafluorobenzene	8.016	168	306223	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	555499	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	536312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	242515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	221341	46.369	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.740%
35) Dibromofluoromethane	7.951	113	189429	51.461	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.920%
50) Toluene-d8	10.380	98	657683	45.310	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.620%
62) 4-Bromofluorobenzene	12.668	95	237759	45.063	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.120%
Target Compounds						
						Qvalue
3) Chloromethane	2.281	50	1247	0.298	ug/l	# 43
6) Chloroethane	2.687	64	61628	10.052	ug/l	# 55
11) Tert butyl alcohol	5.275	59	1205	1.391	ug/l	# 72
15) Acrylonitrile	5.510	53	1205	0.506	ug/l	# 21
16) Acetone	4.228	43	911	0.457	ug/l	# 42
19) Methyl tert-butyl Ether	5.534	73	120284	10.068	ug/l	92
20) Methylene Chloride	5.028	84	109	Below Cal	#	34
31) Cyclohexane	8.016	56	8975	1.408	ug/l	# 39
36) 1,1-Dichloropropene	8.016	75	28032	5.366	ug/l	# 49
38) Carbon Tetrachloride	8.016	117	33661	6.378	ug/l	# 15
43) Isopropyl Acetate	8.639	43	4099	0.413	ug/l	# 53
51) 4-Methyl-2-Pentanone	10.380	43	3964	0.571	ug/l	# 1
71) Bromoform	12.663	173	2689	0.852	ug/l	# 1
76) 1,2,3-Trichloropropane	12.668	75	140859	20.508	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.668	75	140859	66.574	ug/l	# 10
88) 1,4-Dichlorobenzene	13.609	146	461	0.219	ug/l	# 1
93) 1,2,4-Trichlorobenzene	15.180	180	56	0.867	ug/l	# 83
95) Naphthalene	15.427	128	1610	0.854	ug/l	# 80

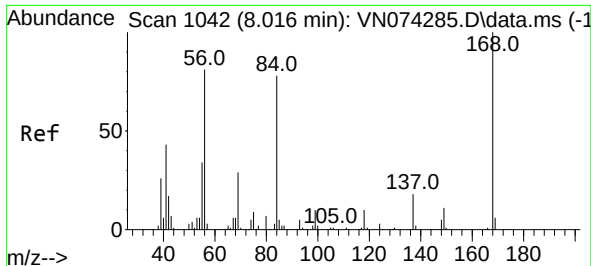
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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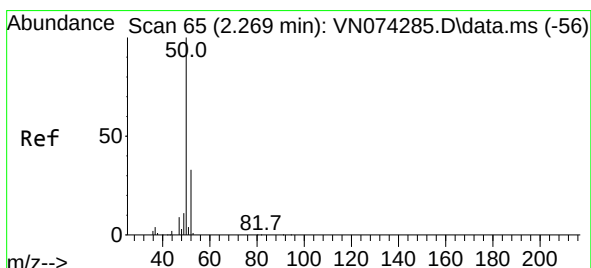
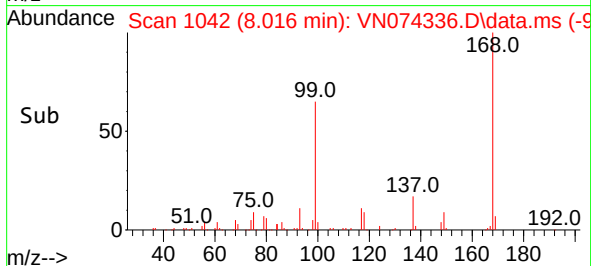
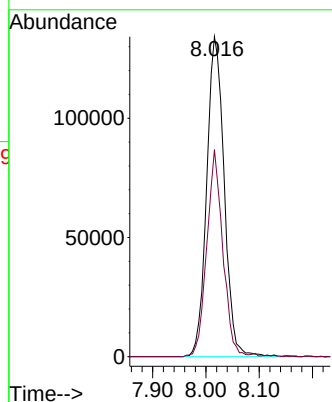
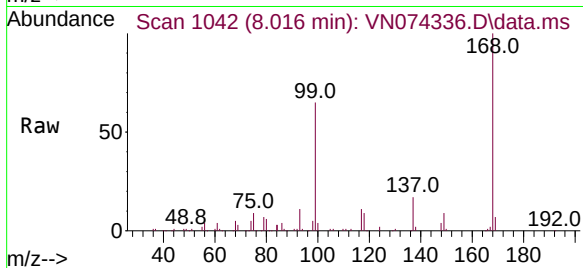




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

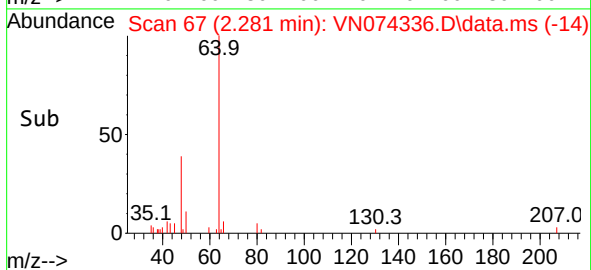
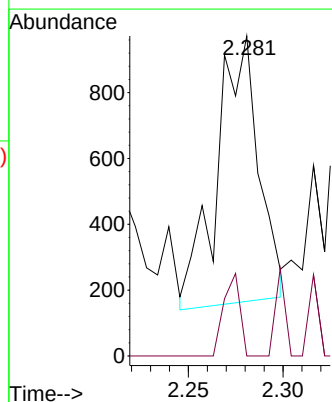
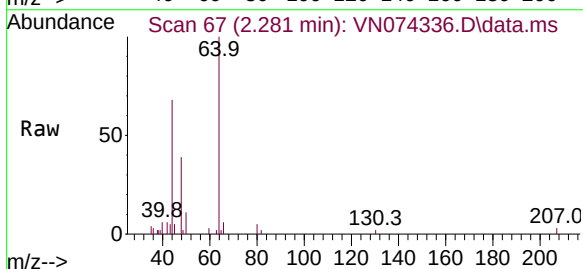
Instrument :
MSVOA_N
ClientSampleId :
MW-48

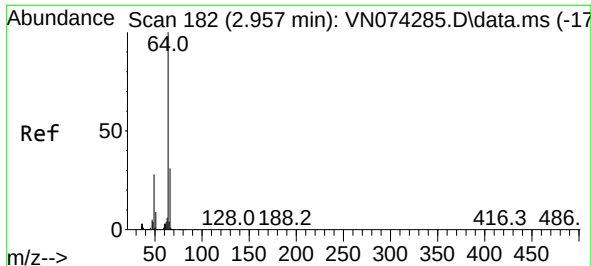
Tgt Ion:168 Resp: 306223
Ion Ratio Lower Upper
168 100
99 64.7 42.3 63.5#



#3
Chloromethane
Concen: 0.298 ug/l
RT: 2.281 min Scan# 67
Delta R.T. 0.012 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion: 50 Resp: 1247
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

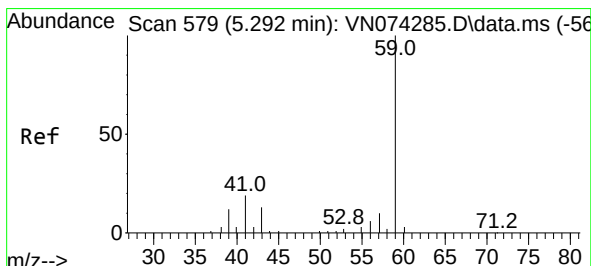
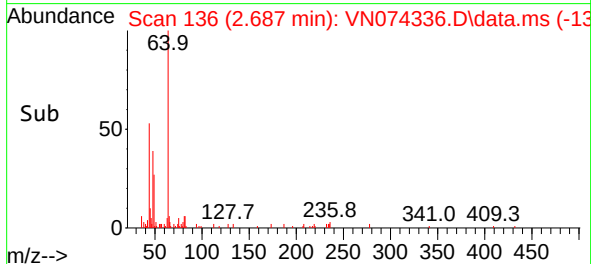
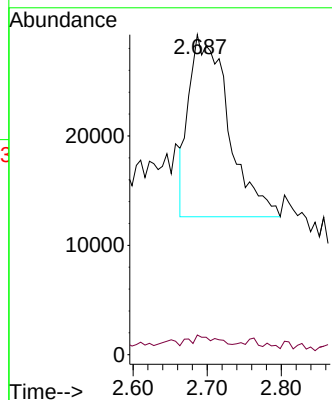
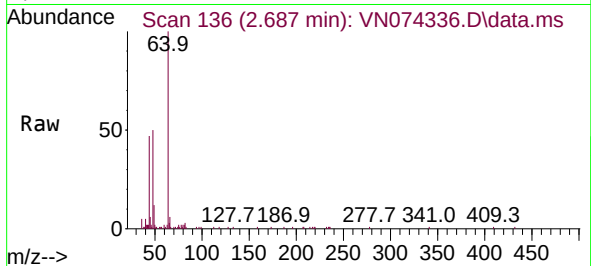




#6
Chloroethane
Concen: 10.052 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

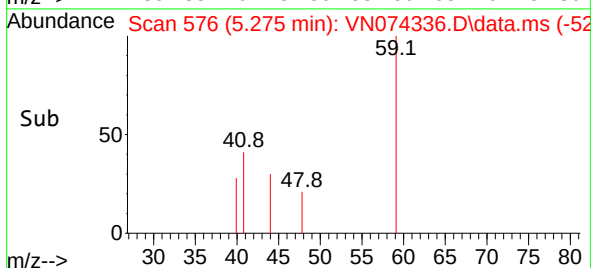
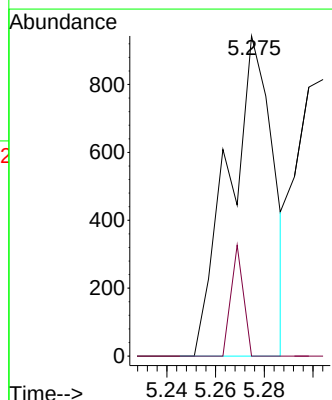
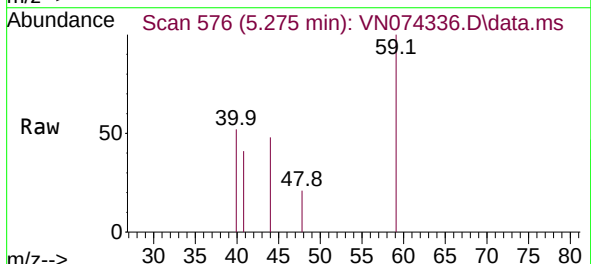
Instrument :
MSVOA_N
ClientSampleId :
MW-48

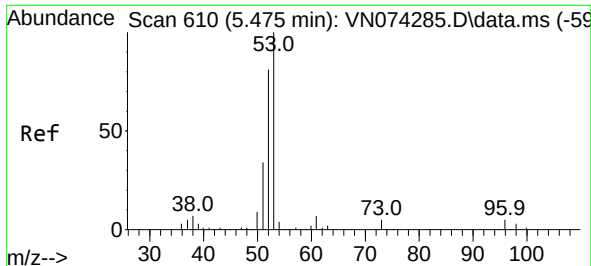
Tgt Ion: 64 Resp: 61628
Ion Ratio Lower Upper
64 100
66 7.4 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.391 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.012 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion: 59 Resp: 1205
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

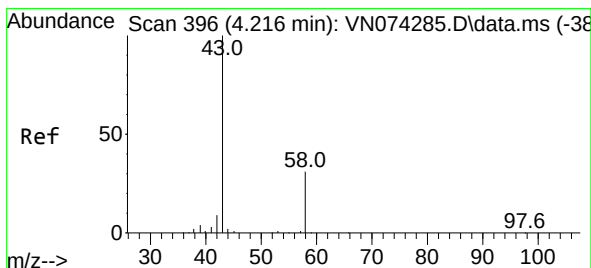
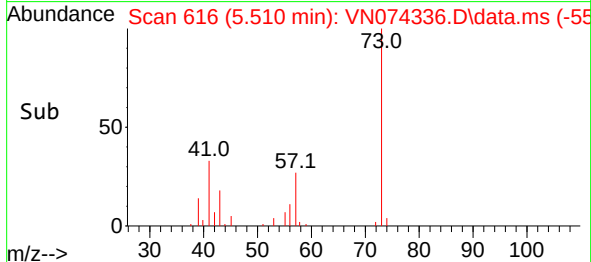
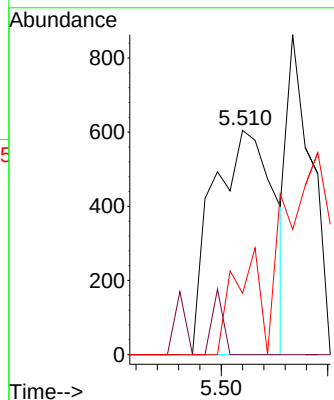
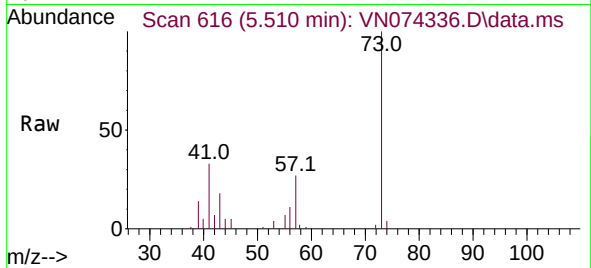




#15
Acrylonitrile
Concen: 0.506 ug/l
RT: 5.510 min Scan# 610
Delta R.T. 0.041 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

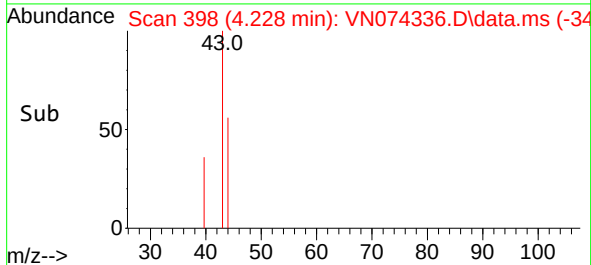
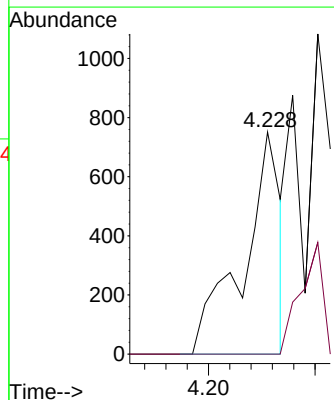
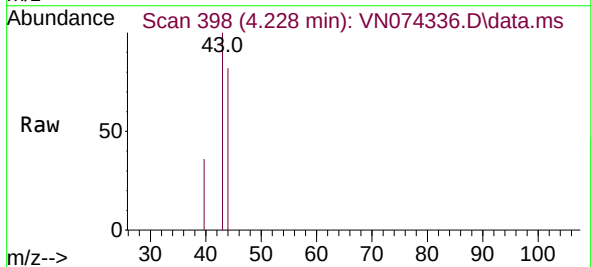
Instrument :
MSVOA_N
ClientSampleId :
MW-48

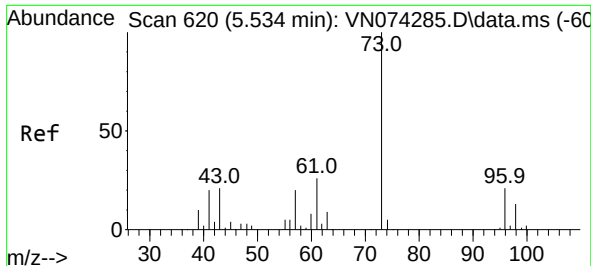
Tgt Ion: 53 Resp: 1205
Ion Ratio Lower Upper
53 100
52 5.1 66.4 99.6#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 0.457 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

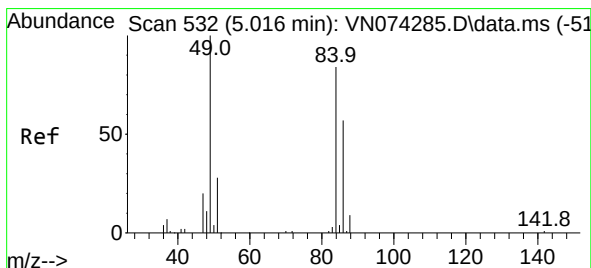
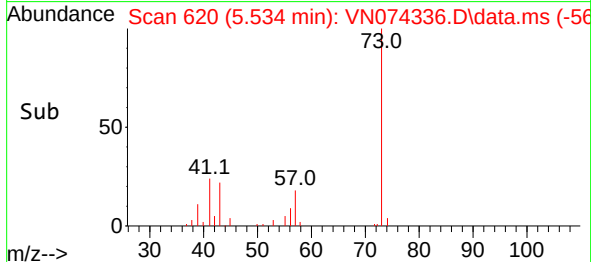
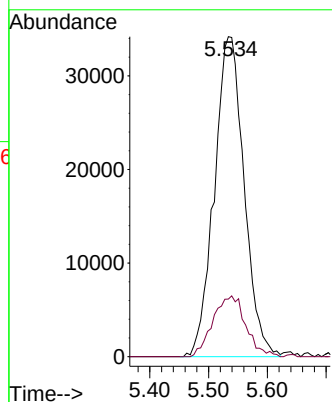
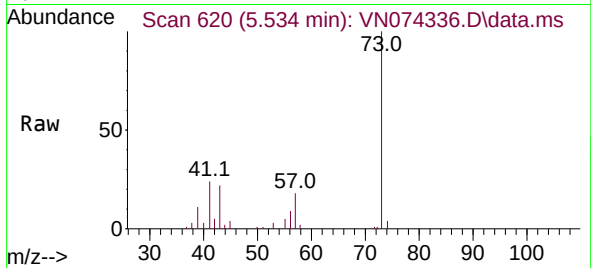




#19
Methyl tert-butyl Ether
Concen: 10.068 ug/l
RT: 5.534 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

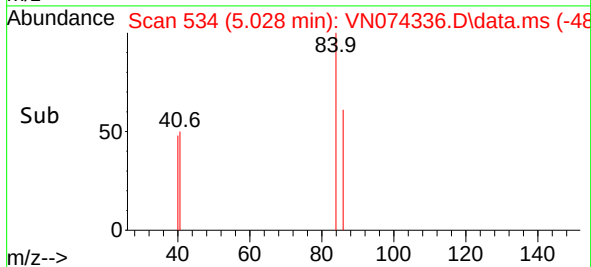
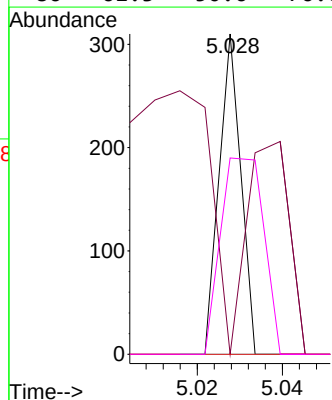
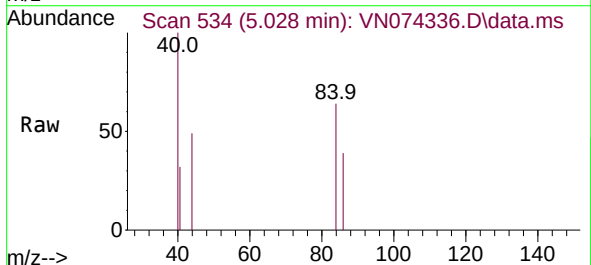
Instrument :
MSVOA_N
ClientSampleId :
MW-48

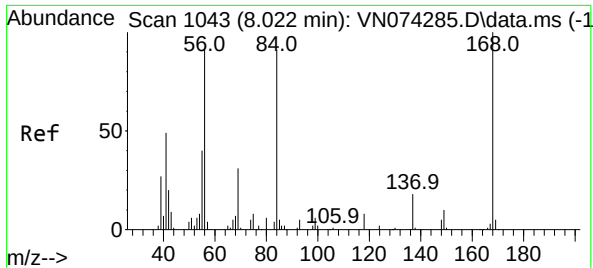
Tgt Ion: 73 Resp: 120284
Ion Ratio Lower Upper
73 100
57 18.0 17.6 26.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.028 min Scan# 534
Delta R.T. 0.018 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion: 84 Resp: 109
Ion Ratio Lower Upper
84 100
49 0.0 88.3 132.5#
51 0.0 28.2 42.2#
86 61.3 50.6 76.0

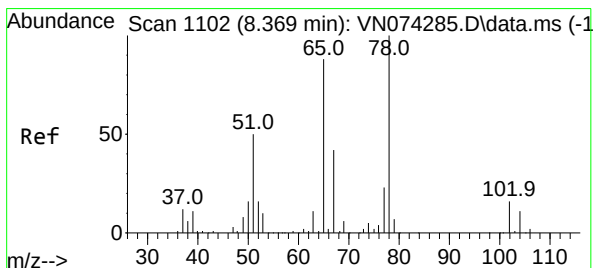
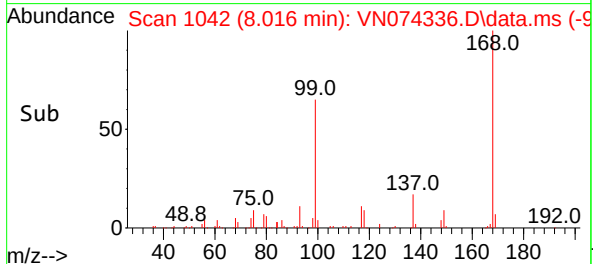
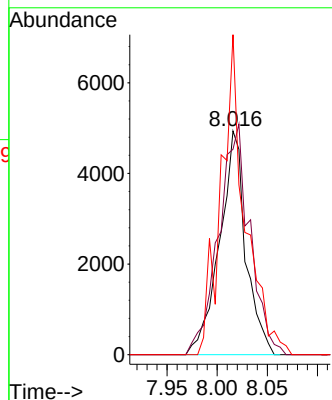
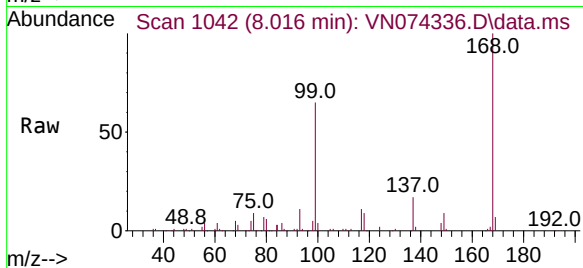




#31
Cyclohexane
Concen: 1.408 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

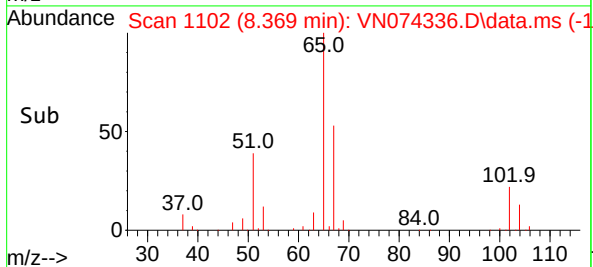
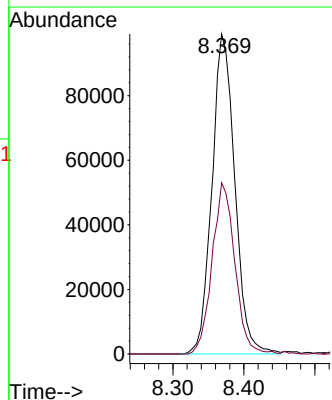
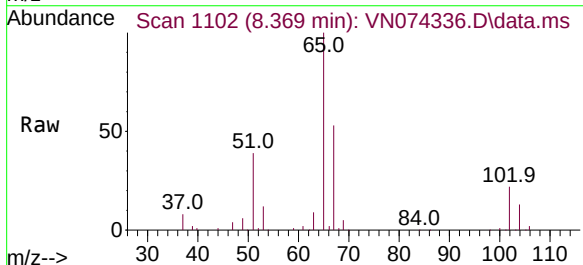
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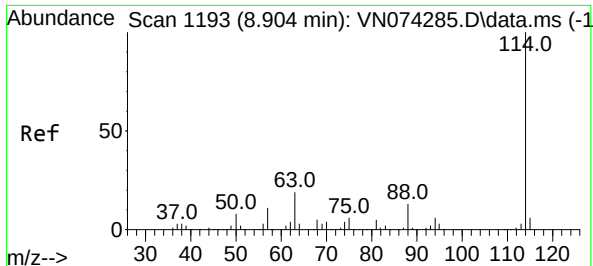
Tgt Ion: 56 Resp: 8975
Ion Ratio Lower Upper
56 100
69 91.9 27.8 41.8#
84 143.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.369 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion: 65 Resp: 221341
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8

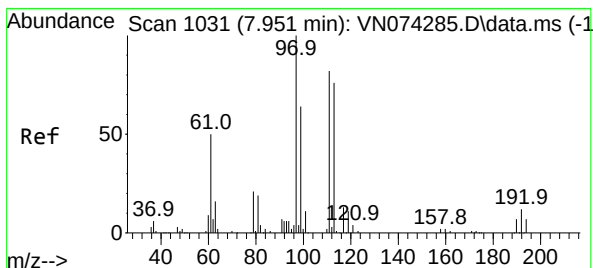
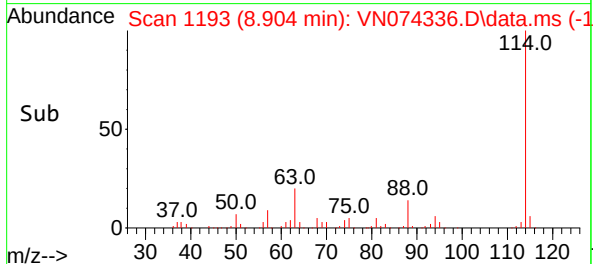
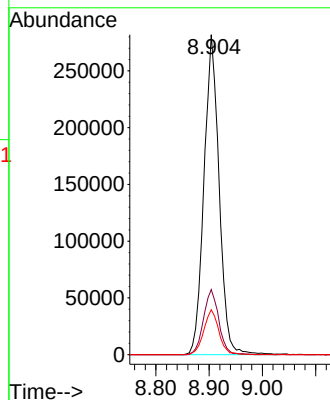
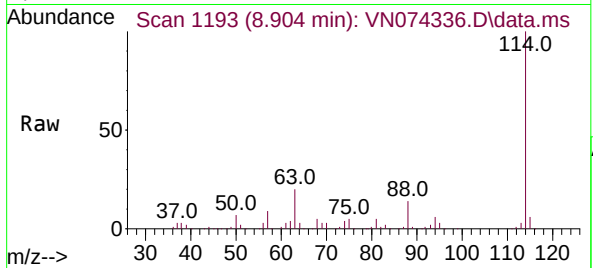




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

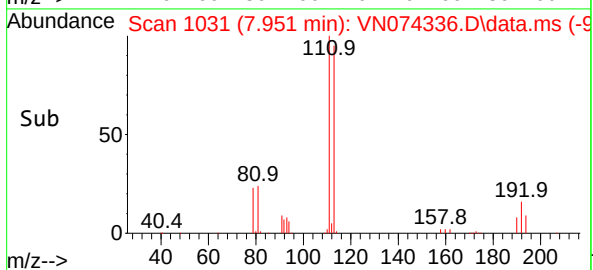
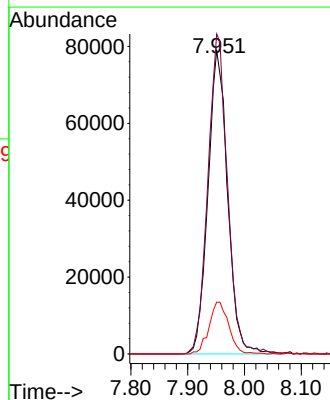
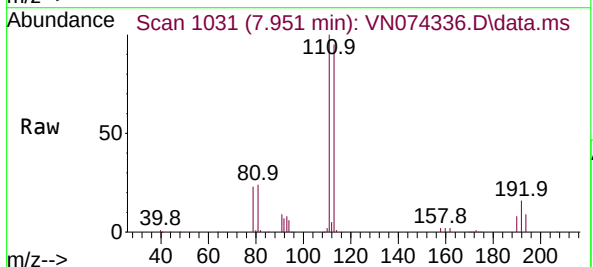
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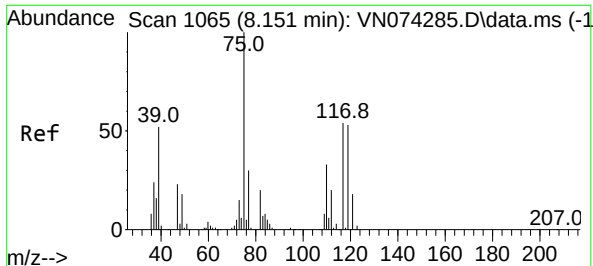
Tgt Ion:114 Resp: 555499
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.0
88 14.1 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.461 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion:113 Resp: 189429
Ion Ratio Lower Upper
113 100
111 105.6 81.4 122.0
192 17.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.366 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.141 min

Lab File: VN074336.D

Acq: 03 Sep 2022 23:01

Instrument :

MSVOA_N

ClientSampleId :

MW-48

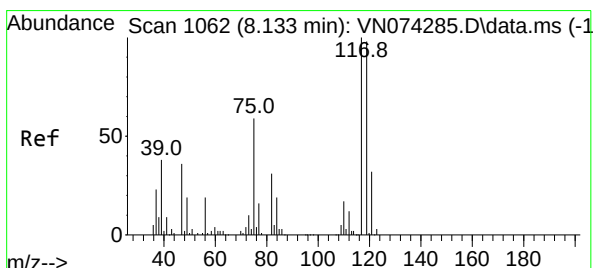
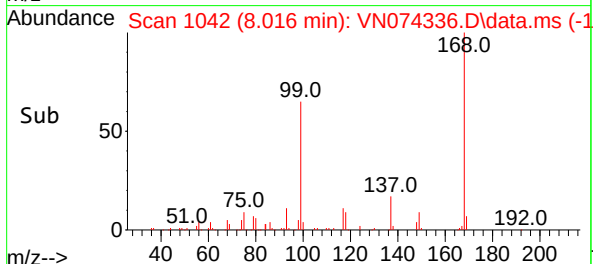
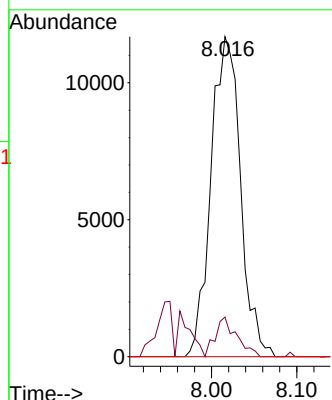
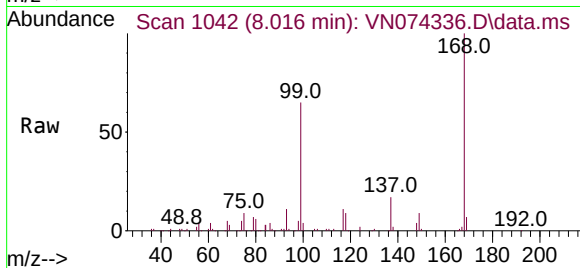
Tgt Ion: 75 Resp: 28032

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.378 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074336.D

Acq: 03 Sep 2022 23:01

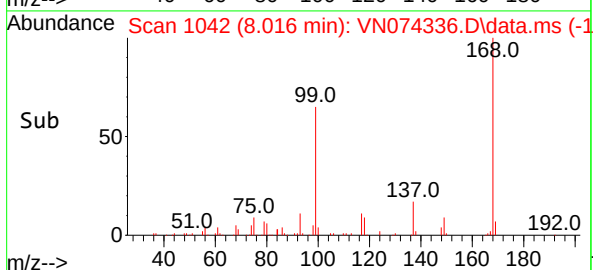
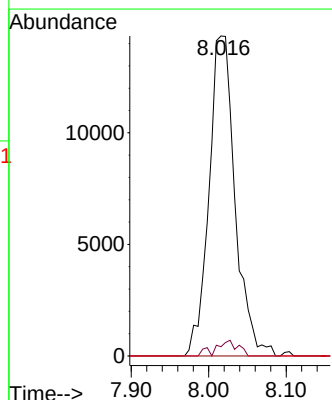
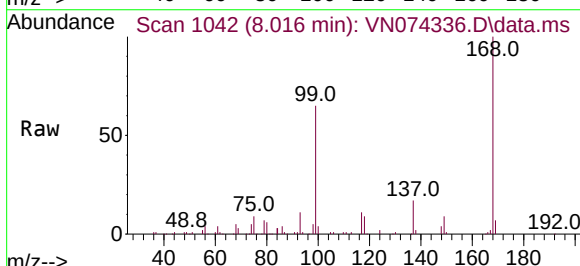
Tgt Ion: 117 Resp: 33661

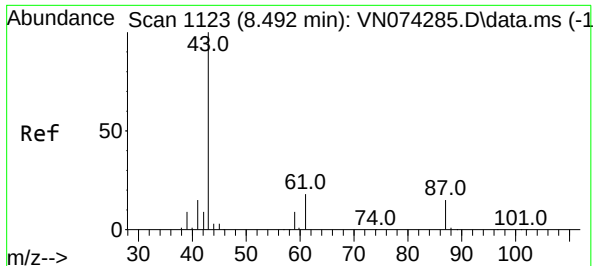
Ion Ratio Lower Upper

117 100

119 2.9 75.8 113.8#

121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.413 ug/l

RT: 8.639 min Scan# 1123

Delta R.T. 0.147 min

Lab File: VN074336.D

Acq: 03 Sep 2022 23:01

Instrument :

MSVOA_N

ClientSampleId :

MW-48

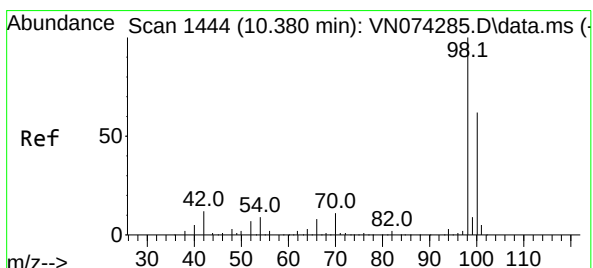
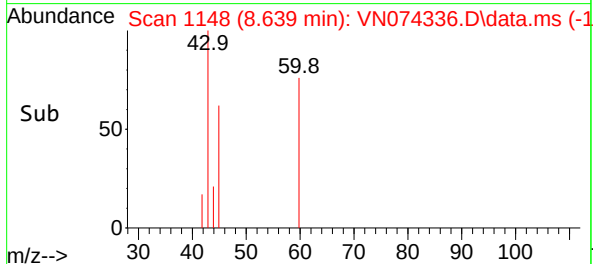
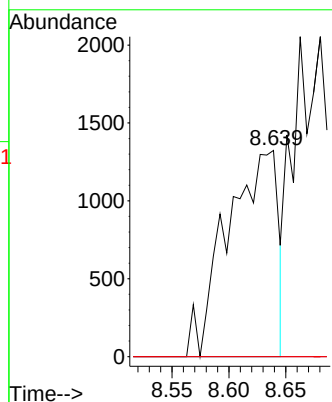
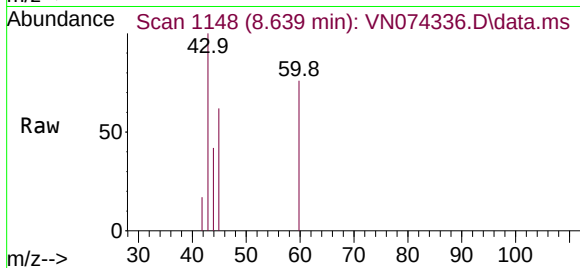
Tgt Ion: 43 Resp: 4099

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 45.310 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074336.D

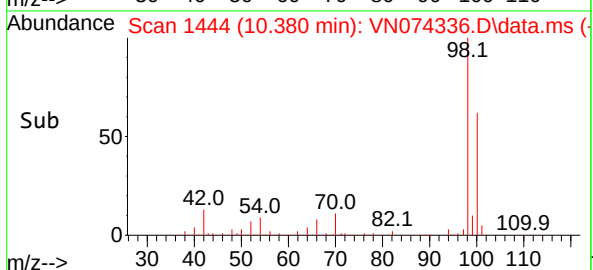
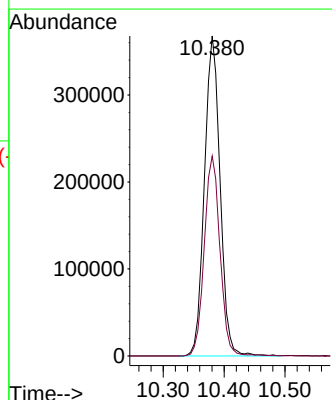
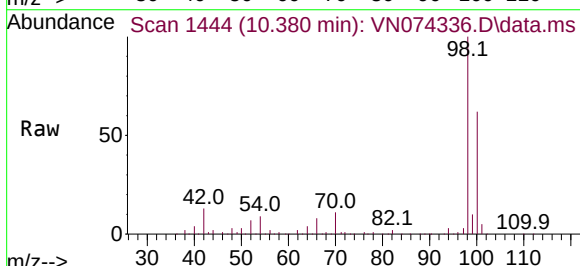
Acq: 03 Sep 2022 23:01

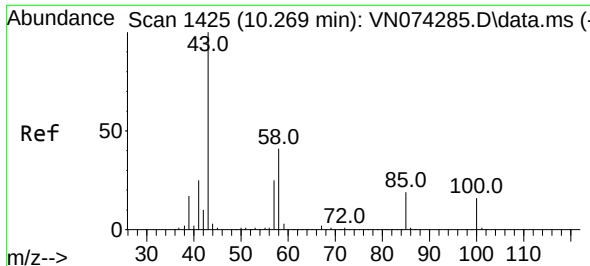
Tgt Ion: 98 Resp: 657683

Ion Ratio Lower Upper

98 100

100 62.8 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.571 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.105 min

Lab File: VN074336.D

Acq: 03 Sep 2022 23:01

Instrument :

MSVOA_N

ClientSampleId :

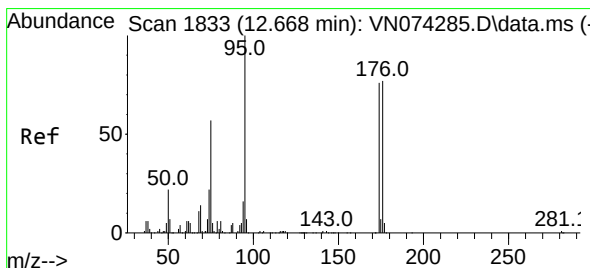
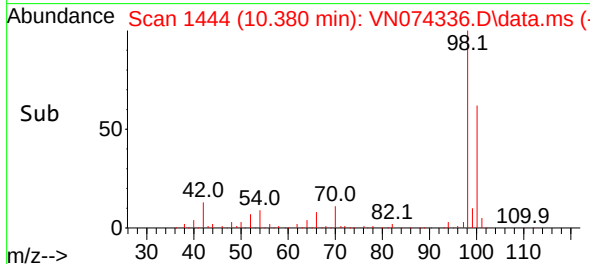
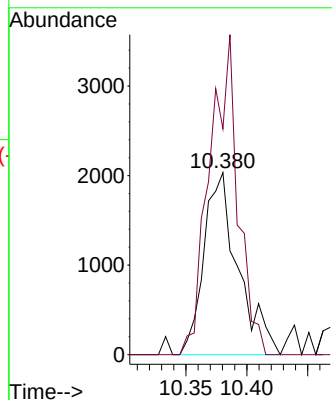
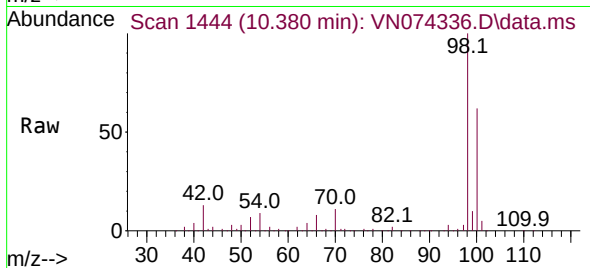
MW-48

Tgt Ion: 43 Resp: 3964

Ion Ratio Lower Upper

43 100

58 146.8 34.1 51.1#



#62

4-Bromofluorobenzene

Concen: 45.063 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.001 min

Lab File: VN074336.D

Acq: 03 Sep 2022 23:01

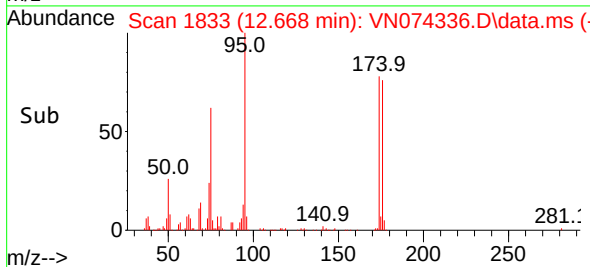
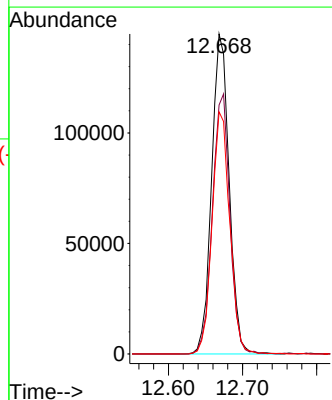
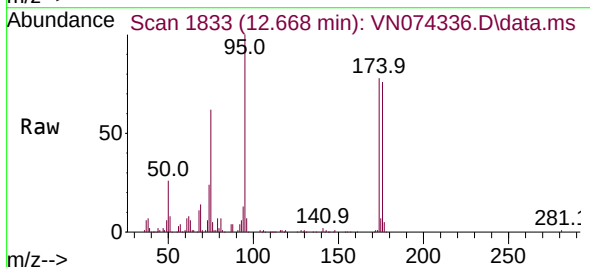
Tgt Ion: 95 Resp: 237759

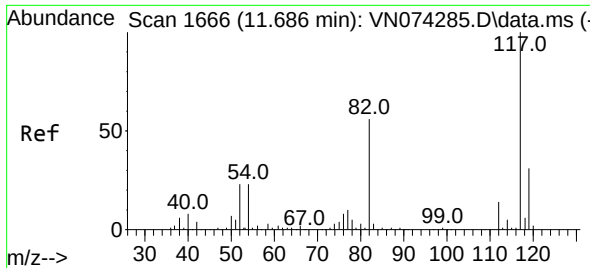
Ion Ratio Lower Upper

95 100

174 81.1 0.0 167.6

176 76.5 0.0 163.4

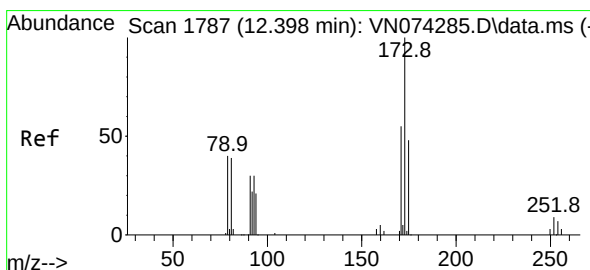
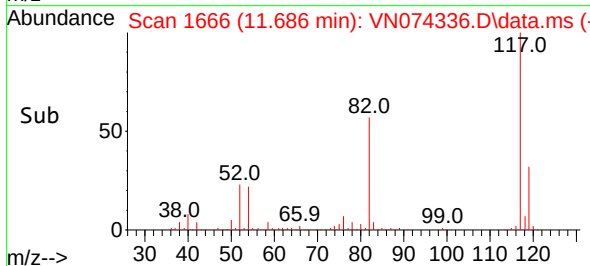
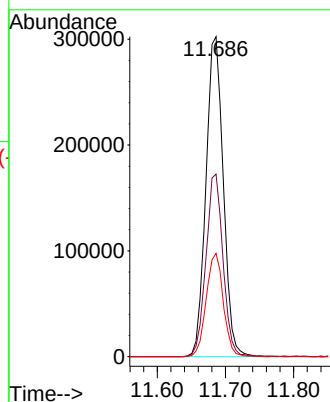
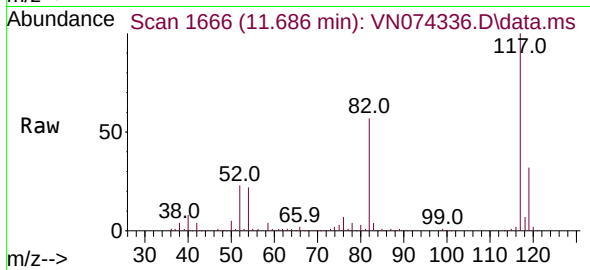




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

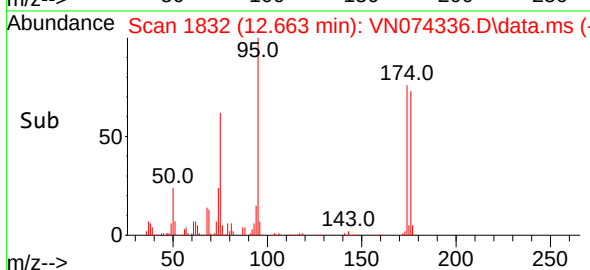
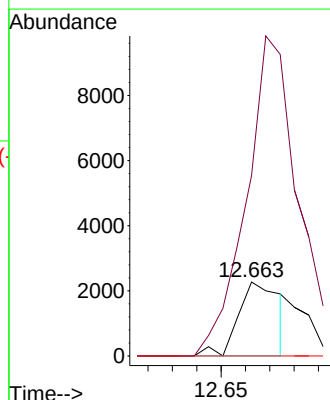
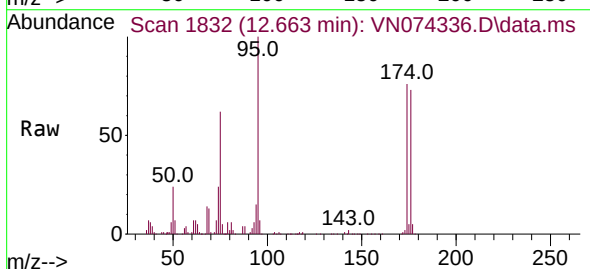
Instrument :
MSVOA_N
ClientSampleId :
MW-48

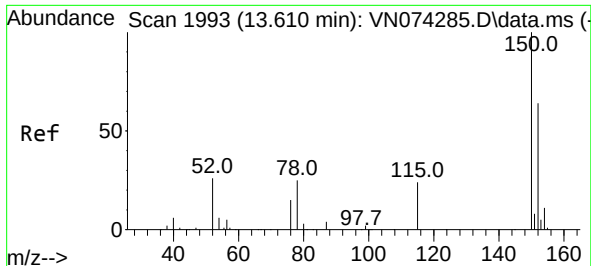
Tgt Ion:117 Resp: 536312
Ion Ratio Lower Upper
117 100
82 57.1 44.2 66.2
119 32.3 25.4 38.0



#71
Bromoform
Concen: 0.852 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.264 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion:173 Resp: 2689
Ion Ratio Lower Upper
173 100
175 394.8 24.6 73.6#
254 0.0 0.1 0.1#

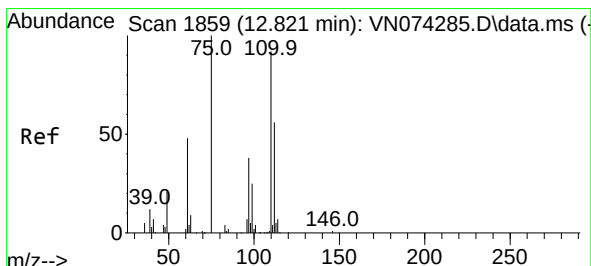
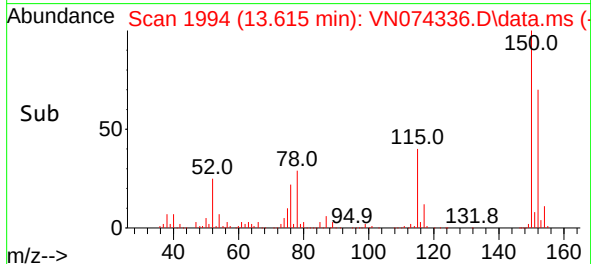
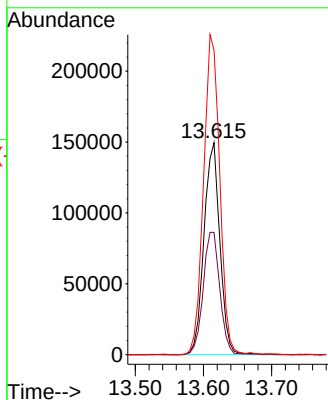
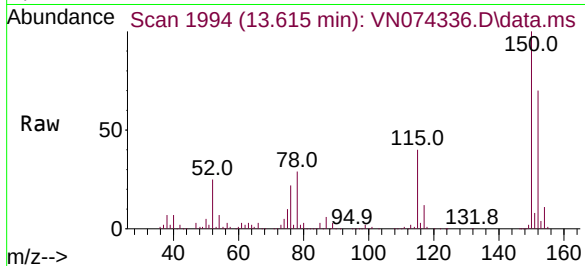




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1993
Delta R.T. 0.005 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

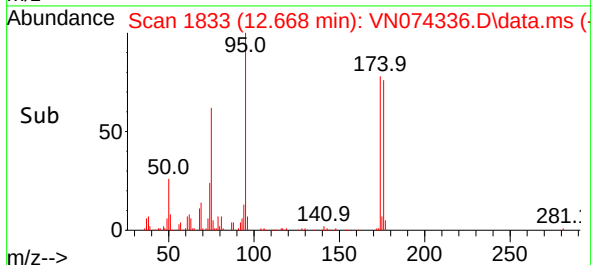
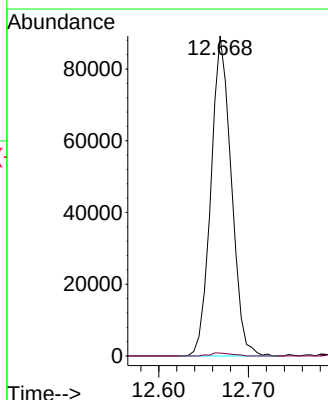
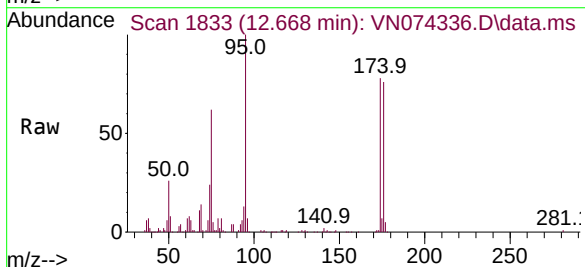
Instrument :
MSVOA_N
ClientSampleId :
MW-48

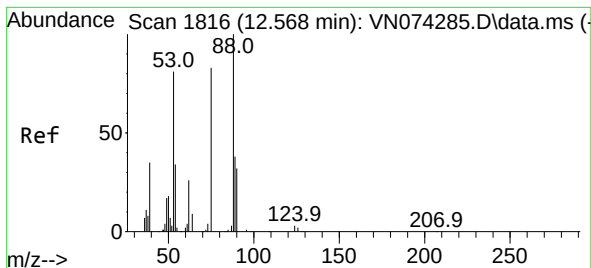
Tgt Ion:152 Resp: 242515
Ion Ratio Lower Upper
152 100
115 60.7 28.9 86.7
150 153.5 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 20.508 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion: 75 Resp: 140859
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

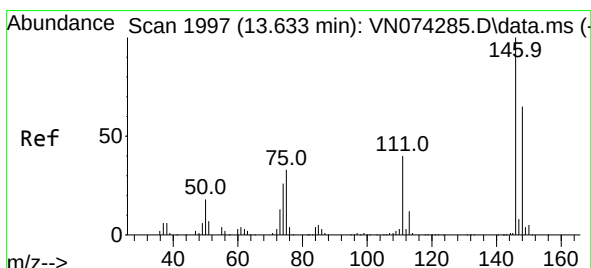
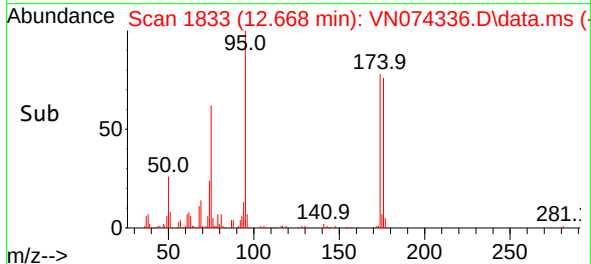
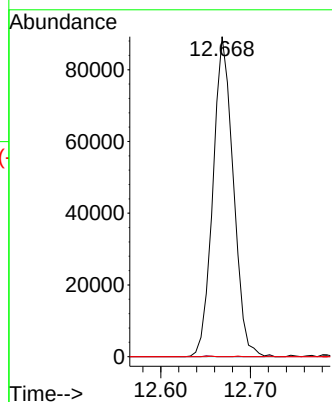
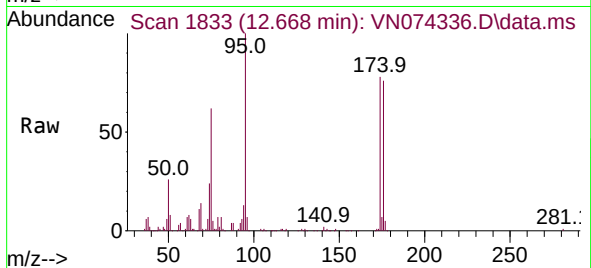




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.574 ug/l
 RT: 12.668 min Scan# 1816
 Delta R.T. 0.105 min
 Lab File: VN074336.D
 Acq: 03 Sep 2022 23:01

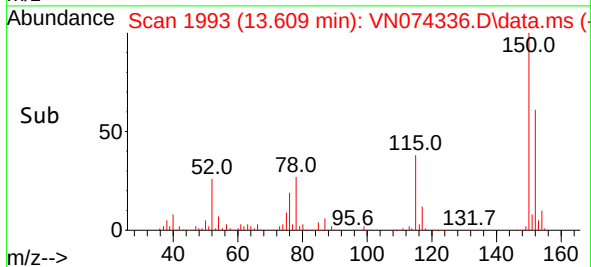
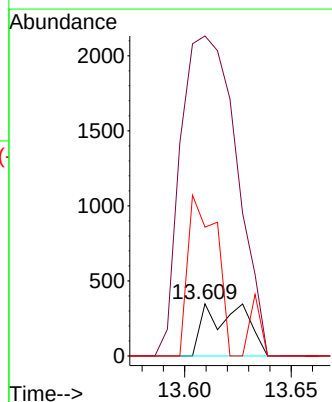
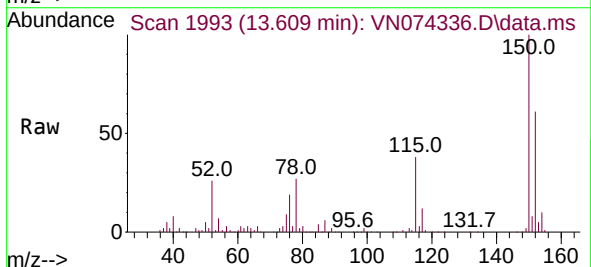
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-48

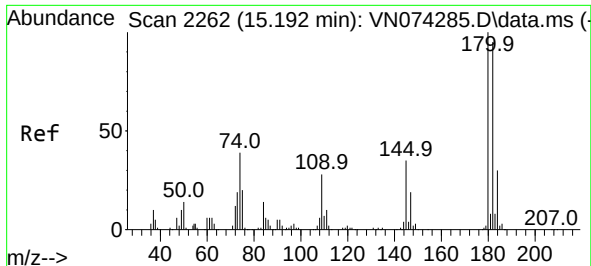
Tgt Ion: 75 Resp: 140859
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#88
 1,4-Dichlorobenzene
 Concen: 0.219 ug/l
 RT: 13.609 min Scan# 1993
 Delta R.T. -0.024 min
 Lab File: VN074336.D
 Acq: 03 Sep 2022 23:01

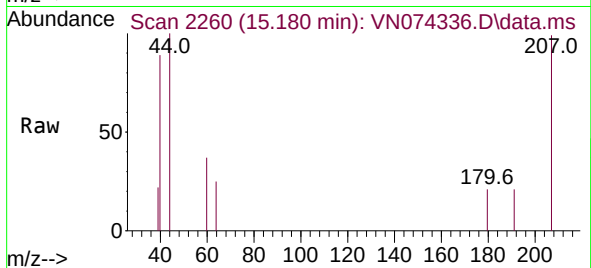
Tgt Ion: 146 Resp: 461
 Ion Ratio Lower Upper
 146 100
 111 846.2 19.1 57.1#
 148 215.8 31.4 94.3#



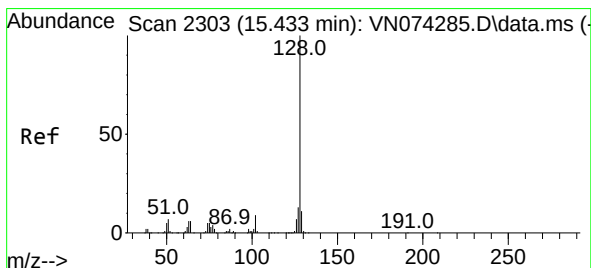
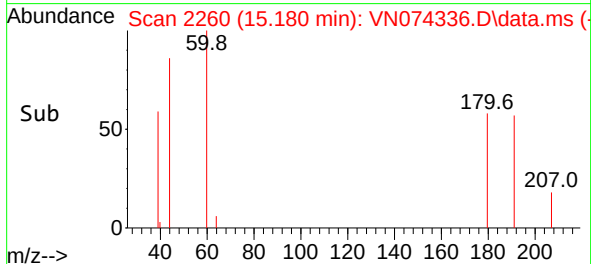
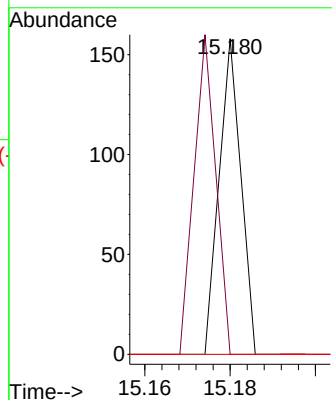


#93
1,2,4-Trichlorobenzene
Concen: 0.867 ug/l
RT: 15.180 min Scan# 21
Delta R.T. -0.018 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Instrument :
MSVOA_N
ClientSampleId :
MW-48



Tgt Ion:180 Resp: 56
Ion Ratio Lower Upper
180 100
182 100.0 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 0.854 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN074336.D
Acq: 03 Sep 2022 23:01

Tgt Ion:128 Resp: 1610
Ion Ratio Lower Upper
128 100
127 7.9 10.3 15.5#
129 0.0 8.6 13.0#

