

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074412.D
 Acq On : 12 Sep 2022 14:34
 Operator : JC\MD
 Sample : N4471-03DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-11A-11-16-083022DL

Quant Time: Sep 13 05:55:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

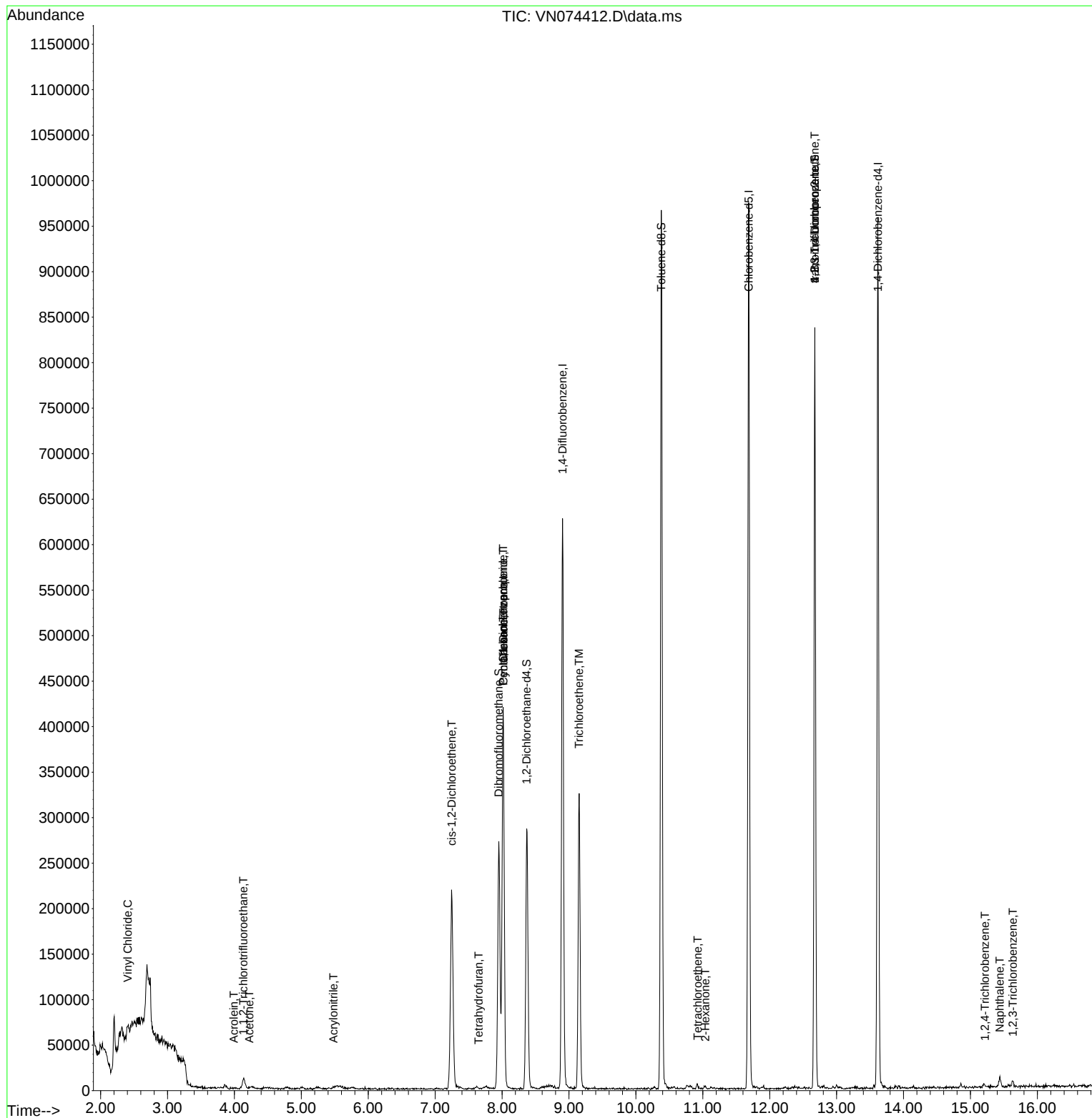
Internal Standards						
1) Pentafluorobenzene	8.022	168	296340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	515058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	498916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	225867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	229856	44.831	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.660%		
35) Dibromofluoromethane	7.951	113	185984	53.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.980%		
50) Toluene-d8	10.380	98	620166	45.774	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.540%		
62) 4-Bromofluorobenzene	12.674	95	243210	49.443	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.880%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	879	Below Cal		96
4) Vinyl Chloride	2.404	62	11591	1.807 ug/l		99
6) Chloroethane	3.181	64	1643	Below Cal	#	67
9) 1,1,2-Trichlorotrifluo...	4.134	101	5721	1.507 ug/l	#	73
13) Acrolein	3.992	56	392	0.440 ug/l	#	51
15) Acrylonitrile	5.481	53	850	0.277 ug/l	#	76
16) Acetone	4.222	43	1714	0.619 ug/l	#	46
20) Methylene Chloride	5.004	84	556	Below Cal	#	42
27) cis-1,2-Dichloroethene	7.245	96	114411	22.434 ug/l		89
28) Bromochloromethane	7.457	49	61	Below Cal	#	20
29) Tetrahydrofuran	7.651	42	1702	0.554 ug/l	#	35
31) Cyclohexane	8.022	56	9462	1.160 ug/l	#	51
36) 1,1-Dichloropropene	8.016	75	28153	4.915 ug/l	#	50
38) Carbon Tetrachloride	8.016	117	31694	5.359 ug/l	#	14
44) Trichloroethene	9.151	130	107411	27.317 ug/l		98
59) 2-Hexanone	11.039	43	2258	0.329 ug/l	#	26
64) Tetrachloroethene	10.921	164	1161	0.343 ug/l	#	46
74) N-amyl acetate	12.345	43	1057	Below Cal	#	67
76) 1,2,3-Trichloropropane	12.674	75	149731	25.359 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.674	75	149731	56.524 ug/l	#	9
92) 1,2-Dibromo-3-Chloropr...	14.539	75	79	Below Cal	#	43
93) 1,2,4-Trichlorobenzene	15.215	180	1385	0.307 ug/l	#	68
95) Naphthalene	15.439	128	9687	0.549 ug/l	#	93
96) 1,2,3-Trichlorobenzene	15.633	180	2130	0.456 ug/l		89

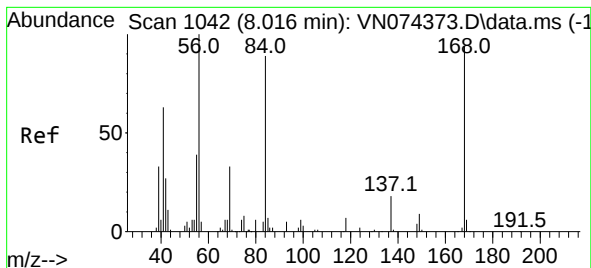
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 10 06:10:29 2022
Response via : Initial Calibration

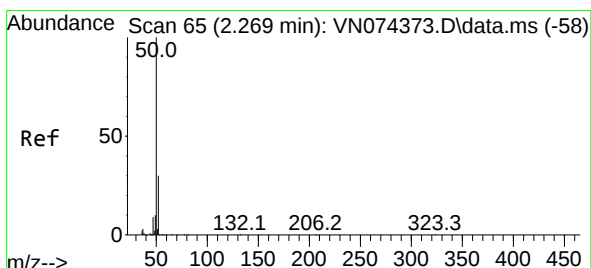
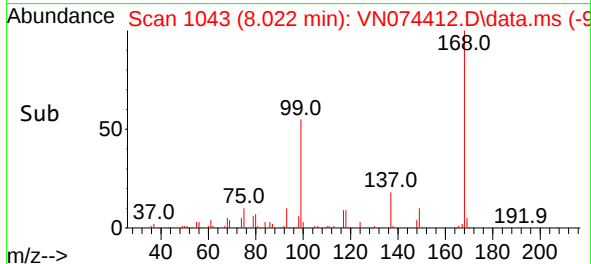
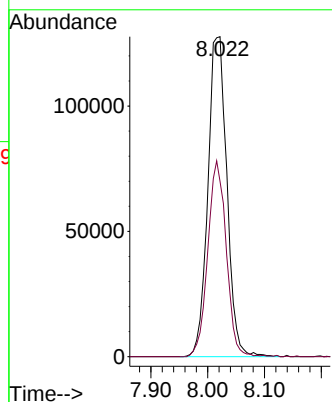
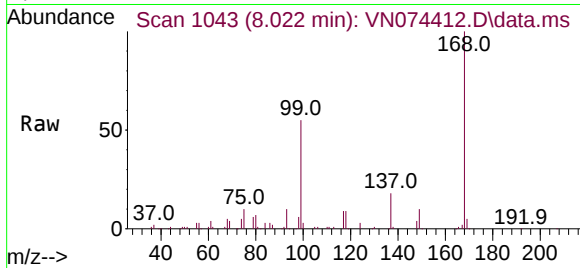




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

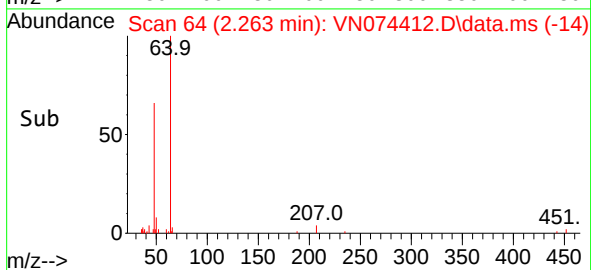
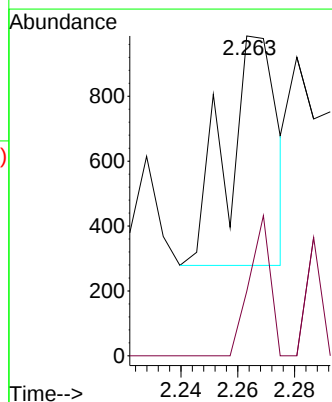
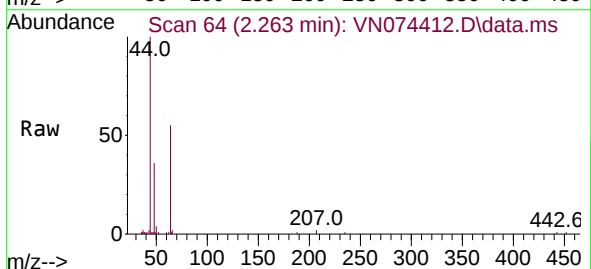
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022DL

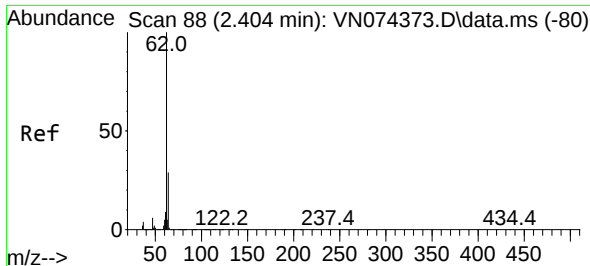
Tgt Ion:168 Resp: 296340
Ion Ratio Lower Upper
168 100
99 54.7 52.8 79.2



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 50 Resp: 879
Ion Ratio Lower Upper
50 100
52 28.1 24.1 36.1

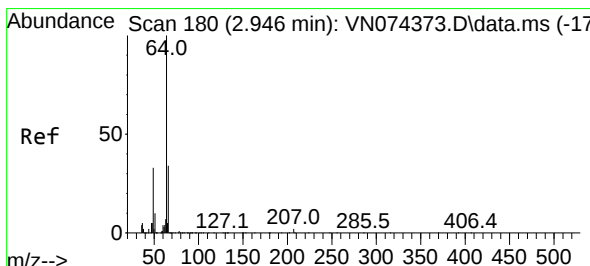
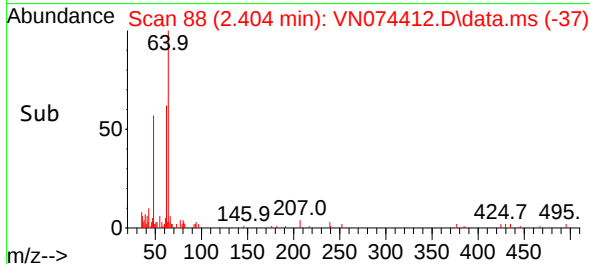
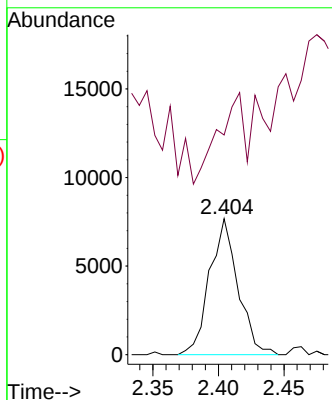
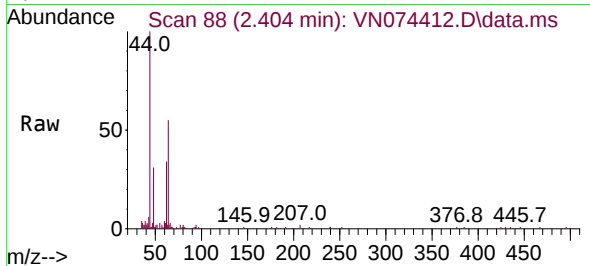




#4
 Vinyl Chloride
 Concen: 1.807 ug/l
 RT: 2.404 min Scan# 88
 Delta R.T. -0.000 min
 Lab File: VN074412.D
 Acq: 12 Sep 2022 14:34

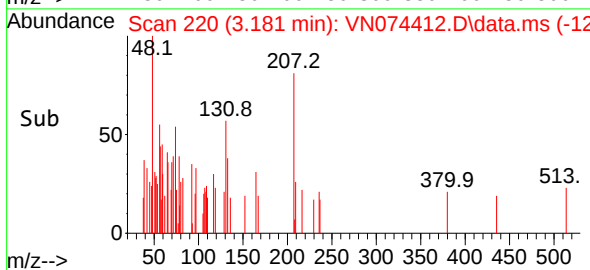
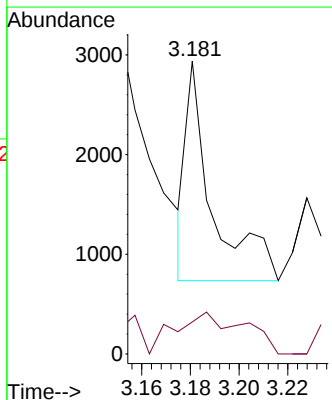
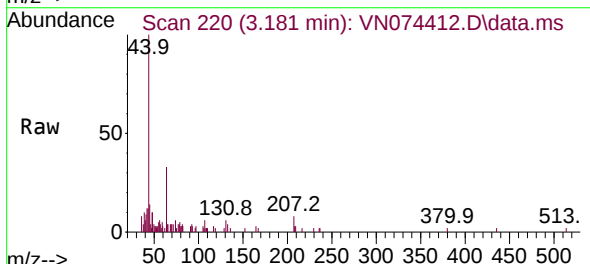
Instrument :
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 ClientSampleId :
 MW-11A-11-16-083022DL

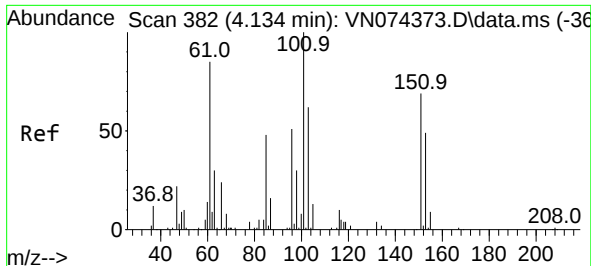
Tgt Ion: 62 Resp: 11591
 Ion Ratio Lower Upper
 62 100
 64 29.7 23.5 35.3



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.181 min Scan# 220
 Delta R.T. 0.235 min
 Lab File: VN074412.D
 Acq: 12 Sep 2022 14:34

Tgt Ion: 64 Resp: 1643
 Ion Ratio Lower Upper
 64 100
 66 14.6 26.5 39.7#

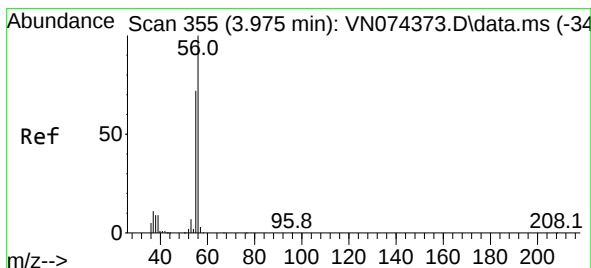
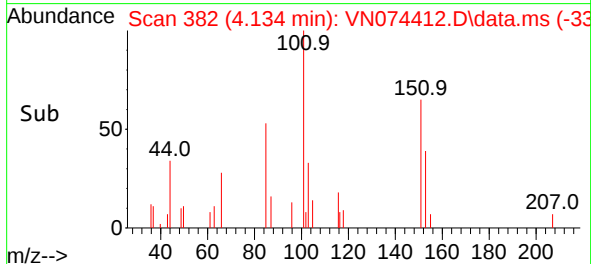
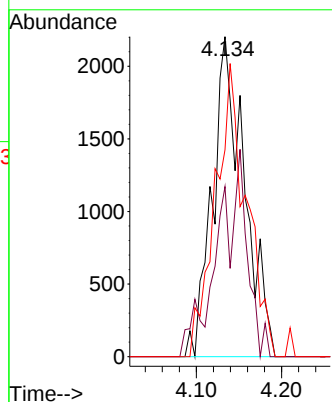
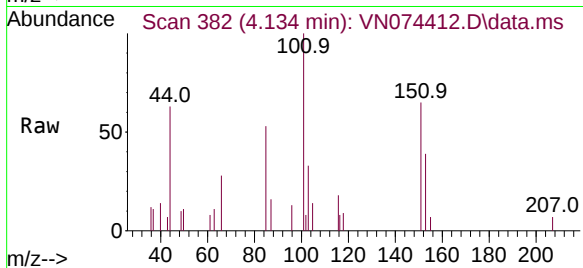




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.507 ug/l
RT: 4.134 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

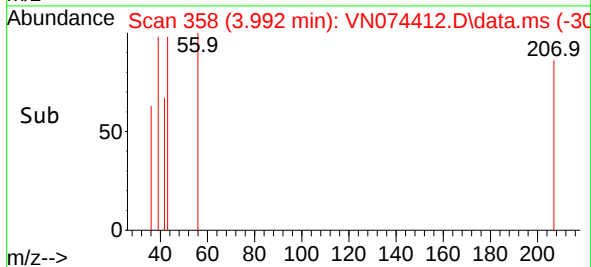
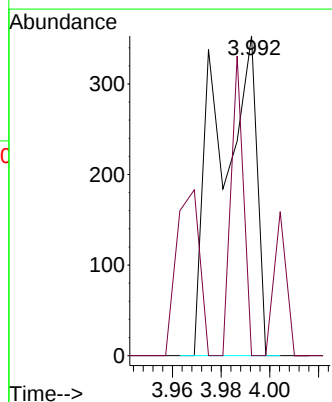
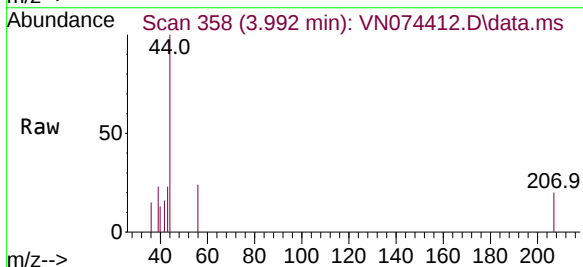
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022DL

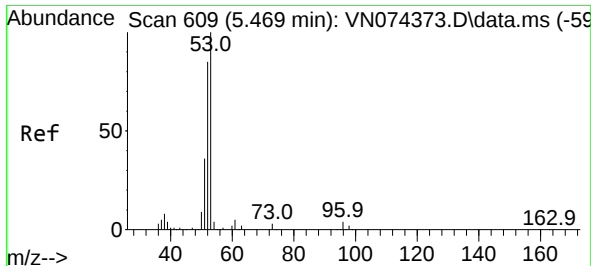
Tgt Ion:101 Resp: 5721
Ion Ratio Lower Upper
101 100
85 23.8 39.5 59.3#
151 89.0 57.8 86.6#



#13
Acrolein
Concen: 0.440 ug/l
RT: 3.992 min Scan# 358
Delta R.T. 0.018 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
55 29.8 56.2 84.4#

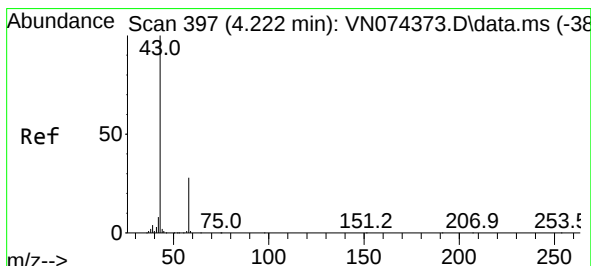
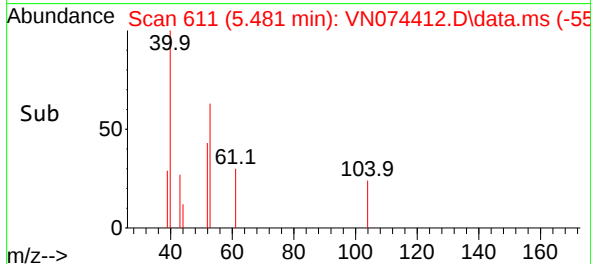
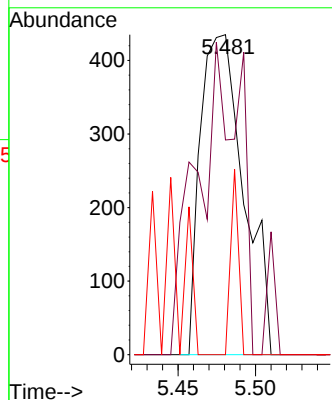
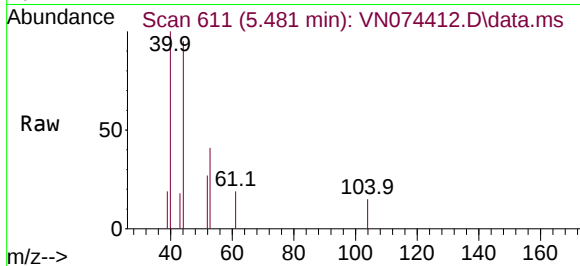




#15
Acrylonitrile
Concen: 0.277 ug/l
RT: 5.481 min Scan# 611
Delta R.T. 0.012 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

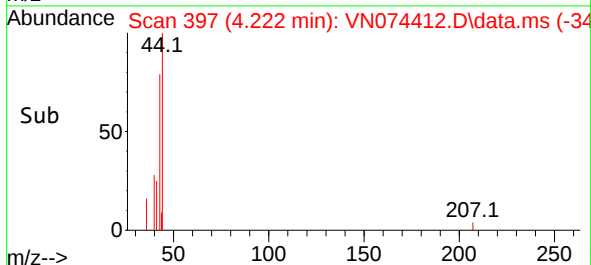
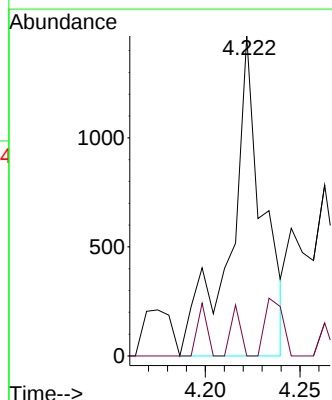
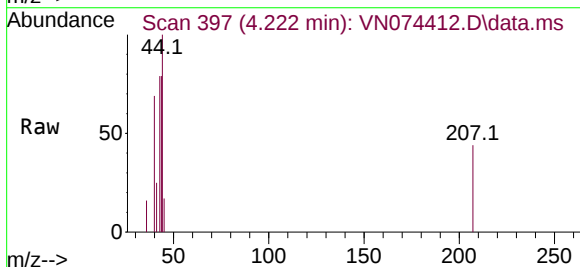
Instrument :
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ClientSampleId :
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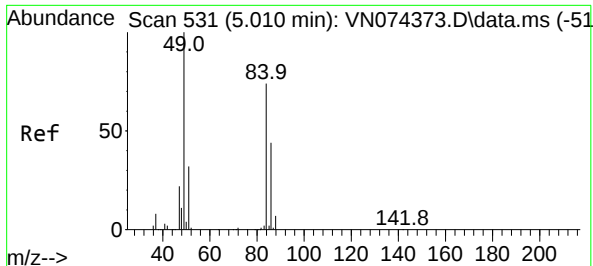
Tgt Ion: 53 Resp: 850
Ion Ratio Lower Upper
53 100
52 95.3 65.9 98.9
51 10.5 29.4 44.2#



#16
Acetone
Concen: 0.619 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

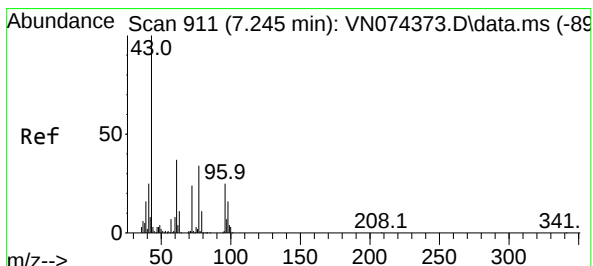
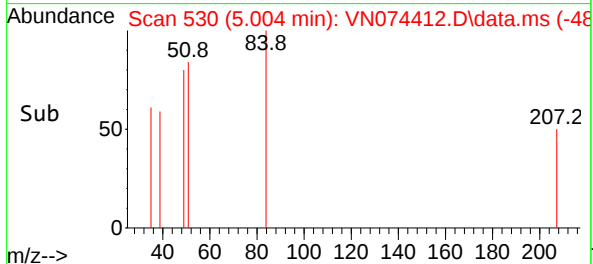
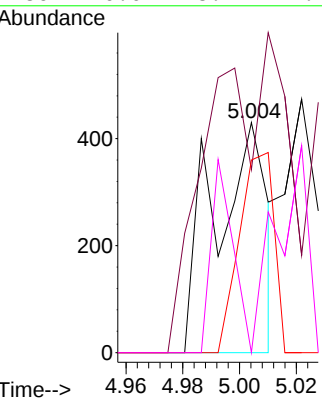
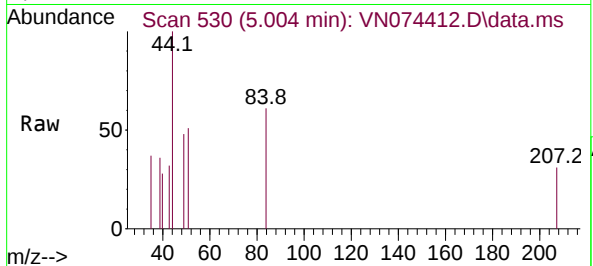




#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

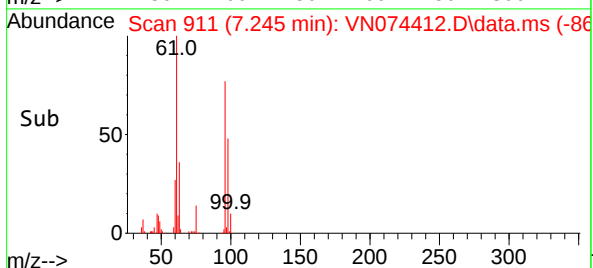
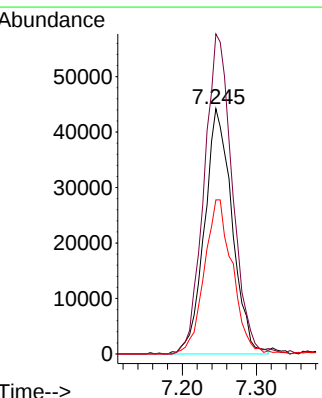
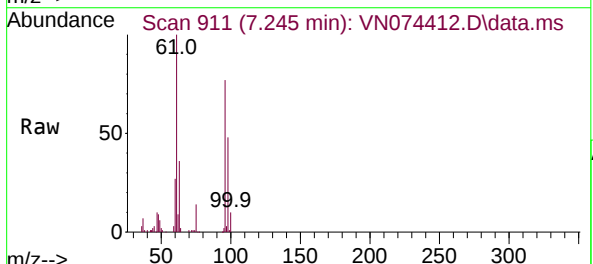
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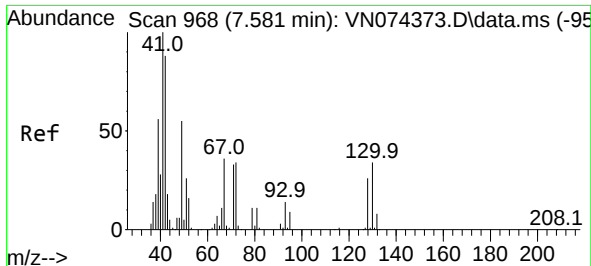
Tgt Ion: 84 Resp: 556
Ion Ratio Lower Upper
84 100
49 79.5 108.2 162.4#
51 83.7 34.3 51.5#
86 0.0 48.2 72.2#



#27
cis-1,2-Dichloroethene
Concen: 22.434 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 96 Resp: 114411
Ion Ratio Lower Upper
96 100
61 133.1 0.0 306.2
98 64.3 0.0 129.8

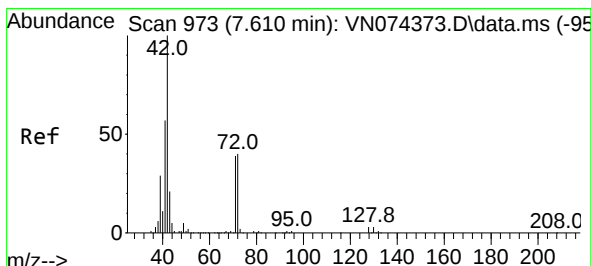
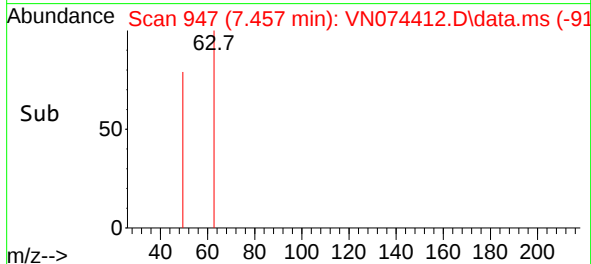
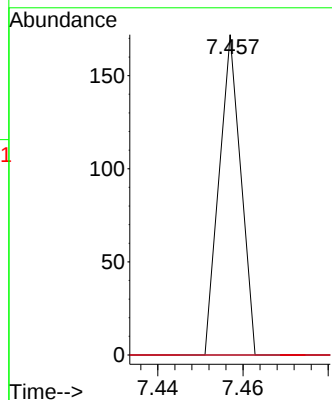
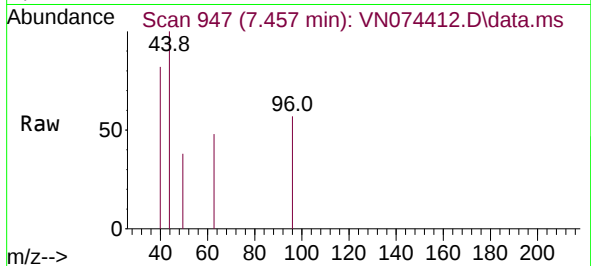




#28
Bromochloromethane
Concen: Below Cal
RT: 7.457 min Scan# 94
Delta R.T. -0.124 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

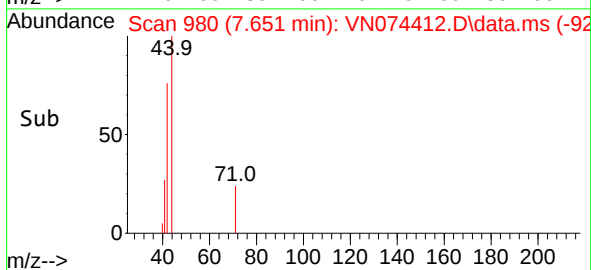
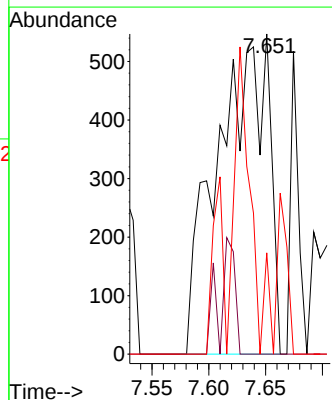
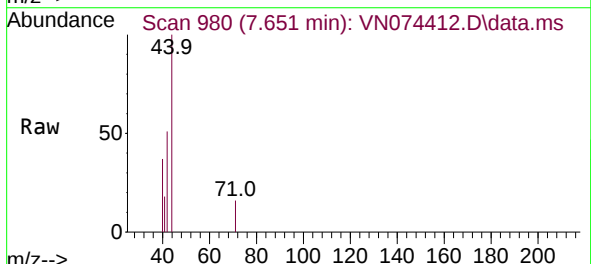
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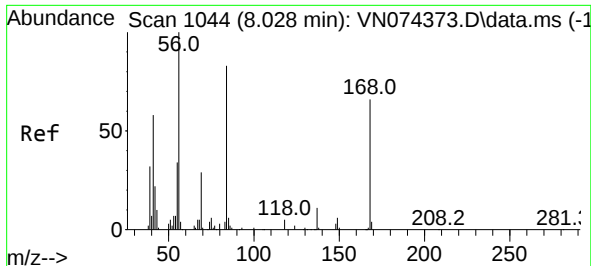
Tgt Ion: 49 Resp: 61
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#



#29
Tetrahydrofuran
Concen: 0.554 ug/l
RT: 7.651 min Scan# 980
Delta R.T. 0.041 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 42 Resp: 1702
Ion Ratio Lower Upper
42 100
72 0.0 32.7 49.1#
71 0.0 31.0 46.6#

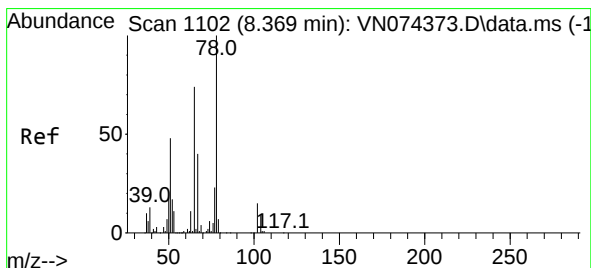
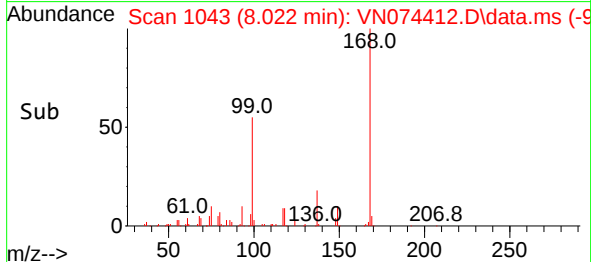
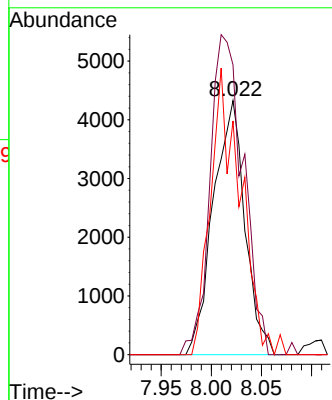
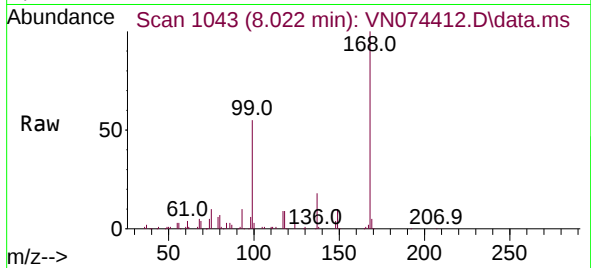




#31
Cyclohexane
Concen: 1.160 ug/l
RT: 8.022 min Scan# 1044
Delta R.T. -0.006 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

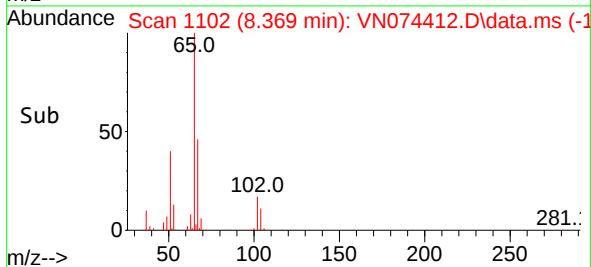
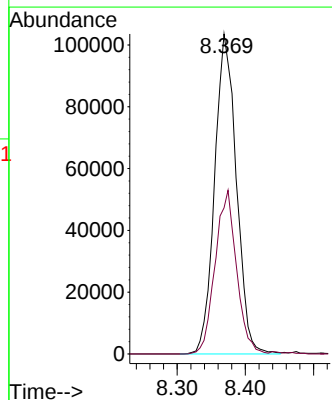
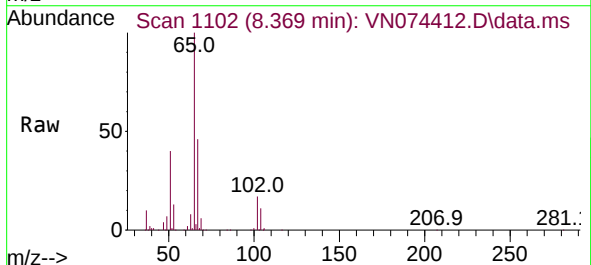
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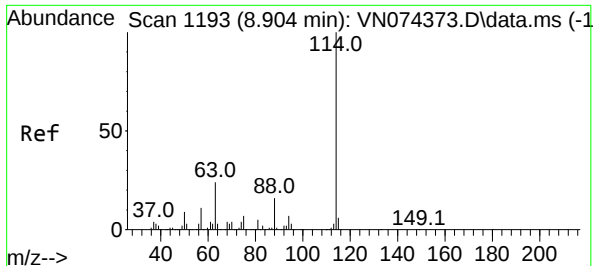
Tgt Ion: 56 Resp: 9462
Ion Ratio Lower Upper
56 100
69 114.1 23.0 34.4#
84 92.0 66.3 99.5



#33
1,2-Dichloroethane-d4
Concen: 44.831 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 65 Resp: 229856
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022DL

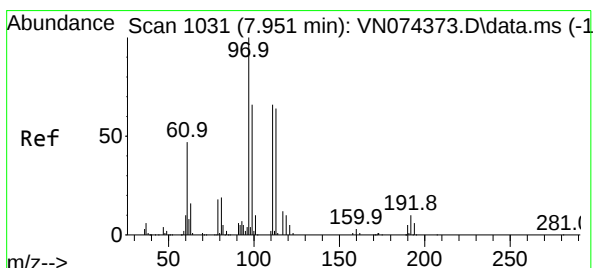
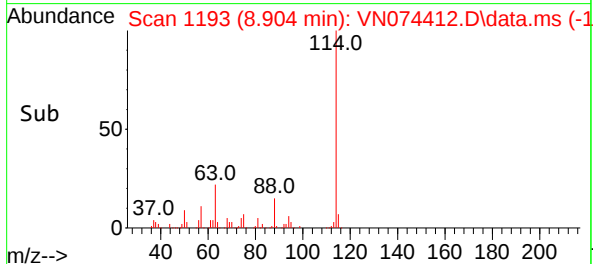
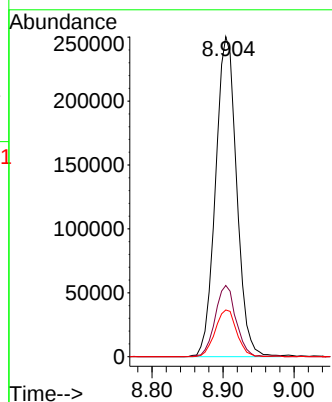
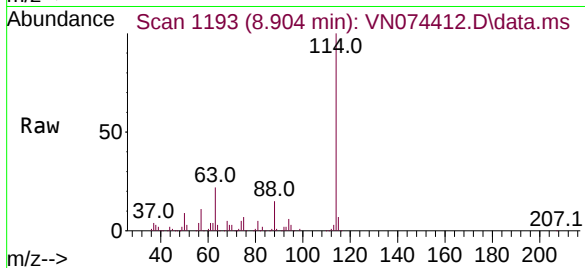
Tgt Ion:114 Resp: 515058

Ion Ratio Lower Upper

114 100

63 22.2 0.0 47.6

88 14.6 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.488 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

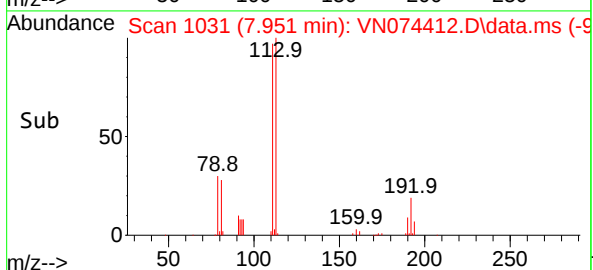
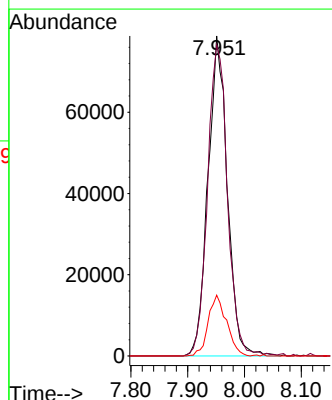
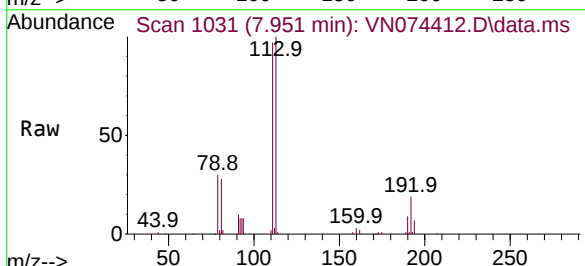
Tgt Ion:113 Resp: 185984

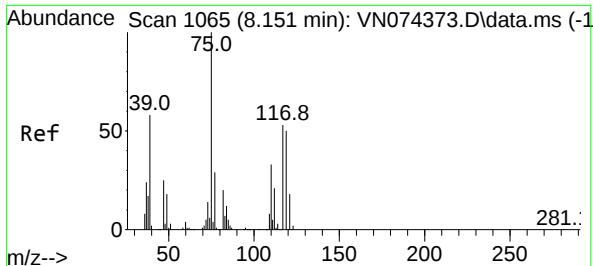
Ion Ratio Lower Upper

113 100

111 100.3 83.0 124.4

192 18.1 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.915 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022DL

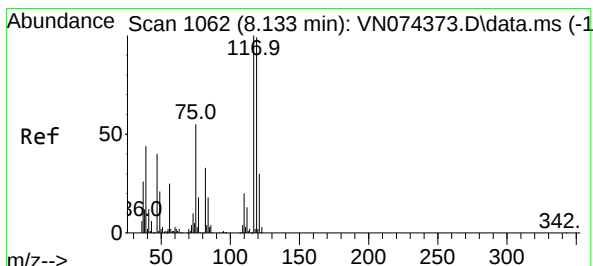
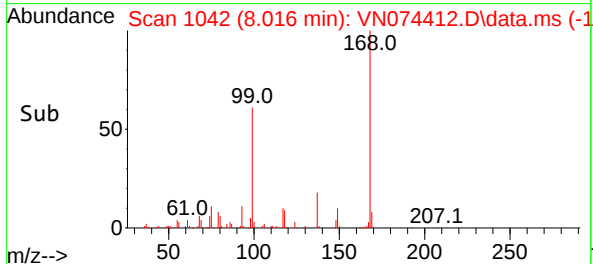
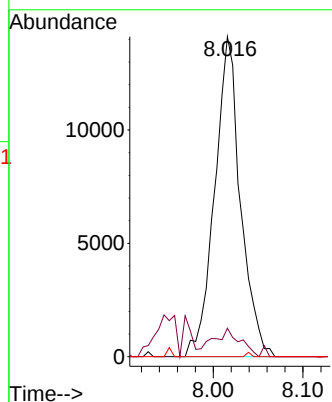
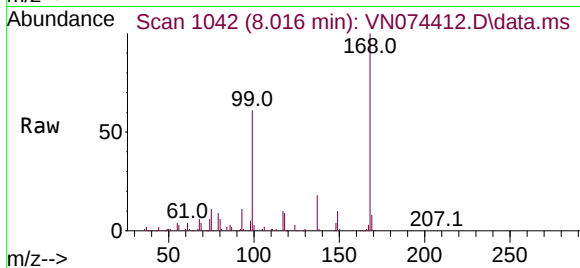
Tgt Ion: 75 Resp: 28153

Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 5.359 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

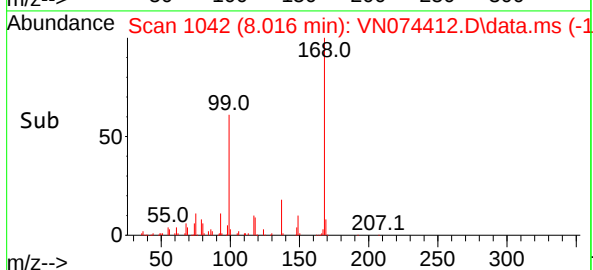
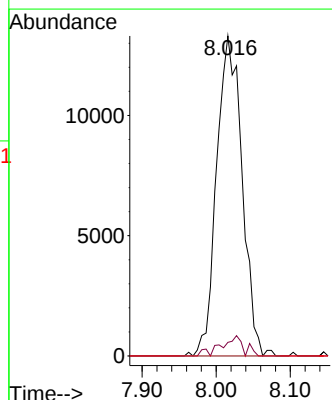
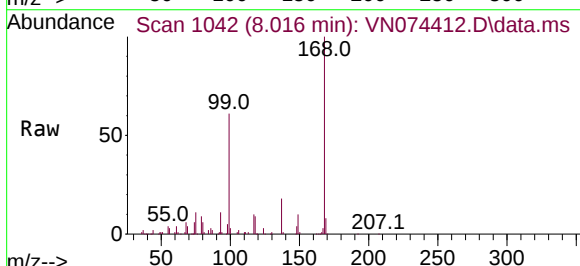
Tgt Ion: 117 Resp: 31694

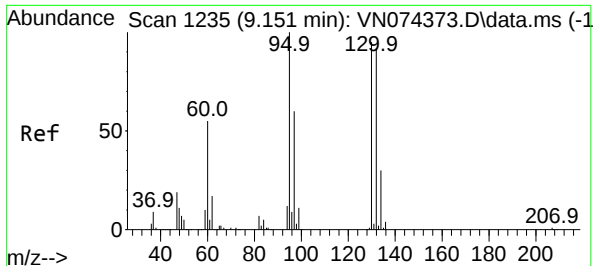
Ion Ratio Lower Upper

117 100

119 4.3 78.8 118.2#

121 0.0 24.1 36.1#

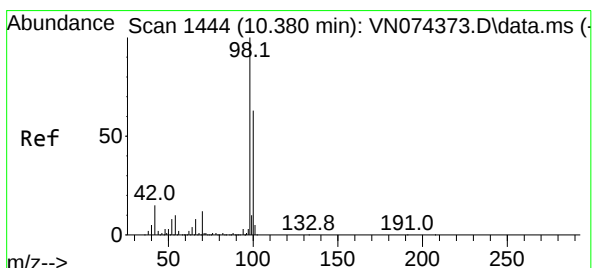
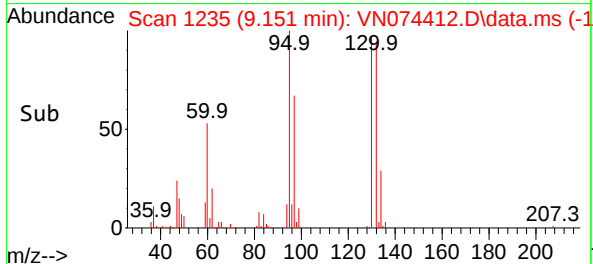
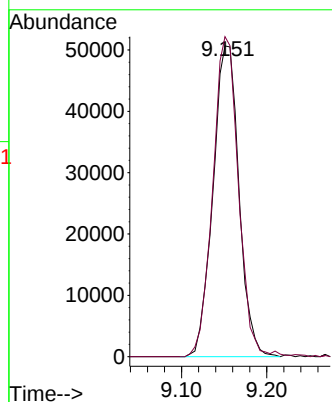
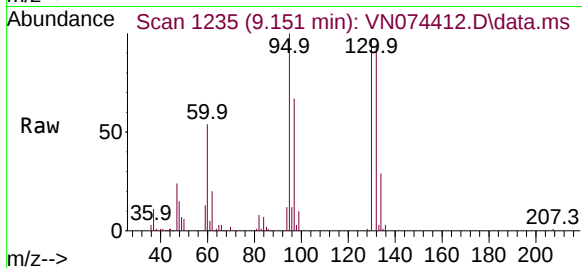




#44
Trichloroethene
Concen: 27.317 ug/l
RT: 9.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

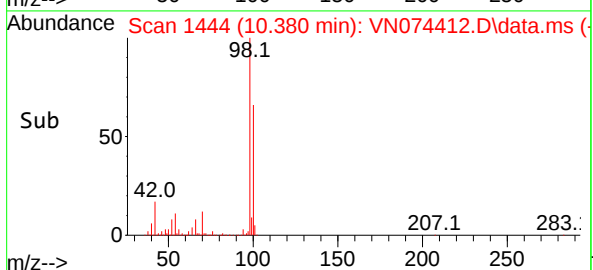
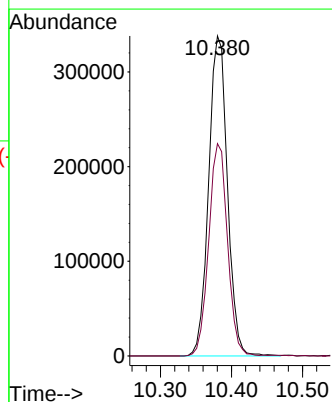
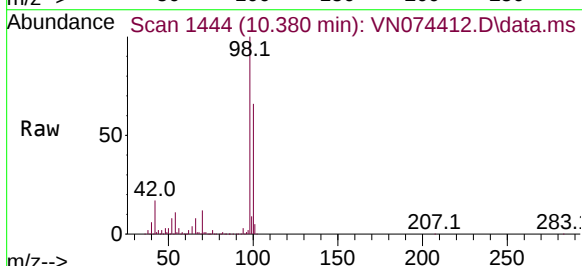
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022DL

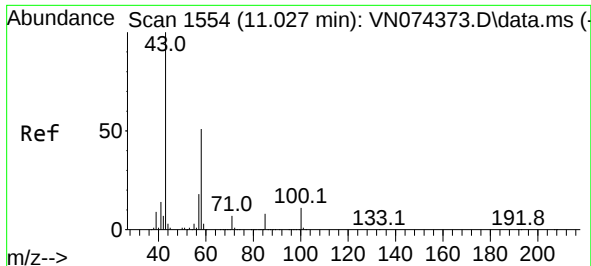
Tgt Ion:130 Resp: 107411
Ion Ratio Lower Upper
130 100
95 103.0 0.0 210.0



#50
Toluene-d8
Concen: 45.774 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 98 Resp: 620166
Ion Ratio Lower Upper
98 100
100 66.3 50.6 76.0

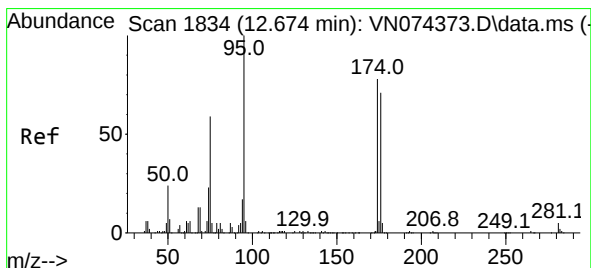
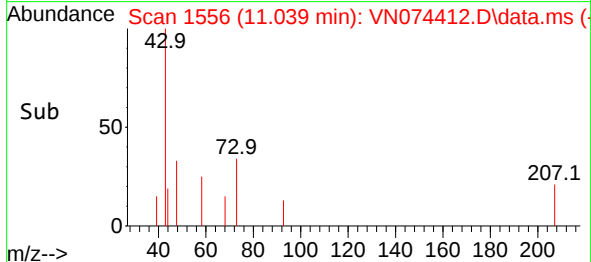
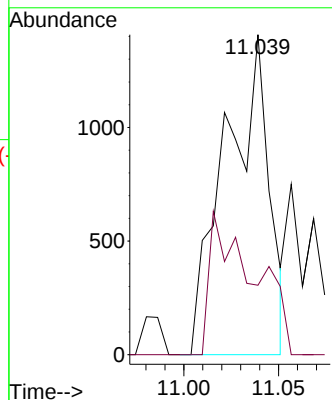
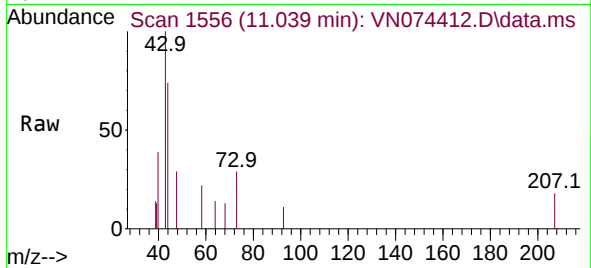




#59
2-Hexanone
Concen: 0.329 ug/l
RT: 11.039 min Scan# 1554
Delta R.T. 0.012 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

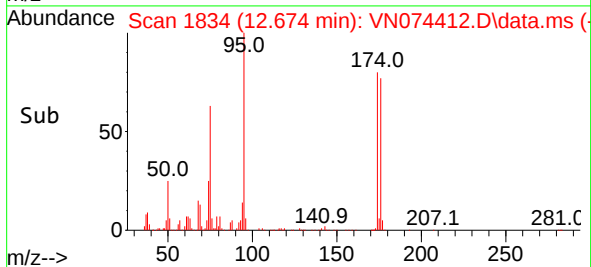
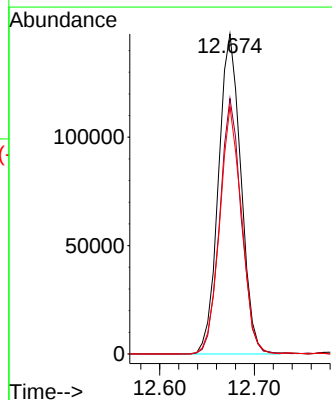
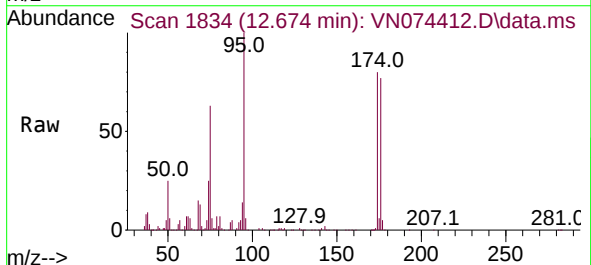
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022DL

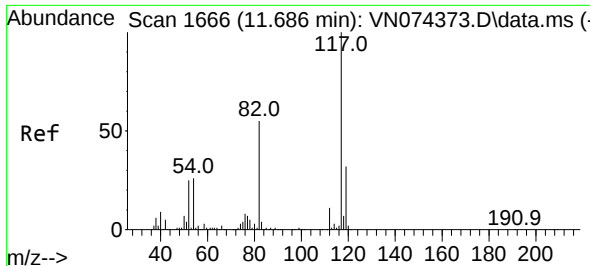
Tgt Ion: 43 Resp: 2258
Ion Ratio Lower Upper
43 100
58 0.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 49.443 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 95 Resp: 243210
Ion Ratio Lower Upper
95 100
174 76.9 0.0 150.6
176 75.2 0.0 143.4

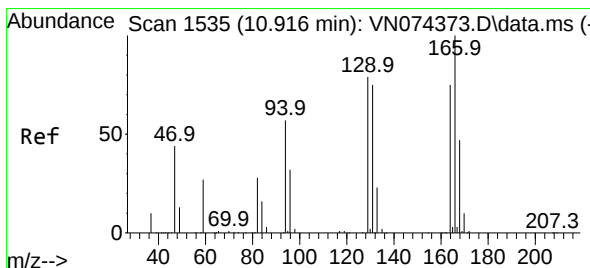
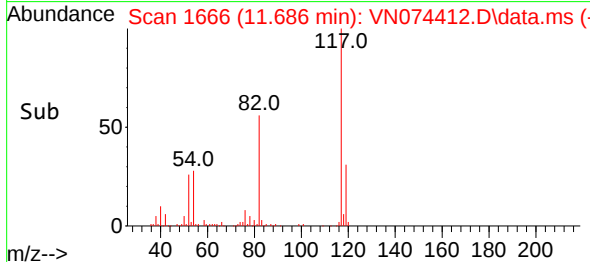
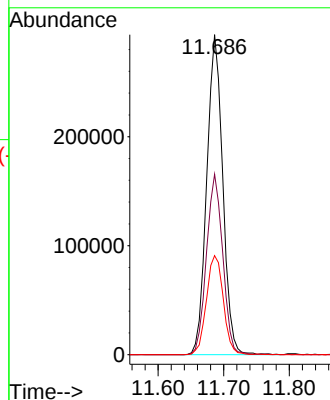
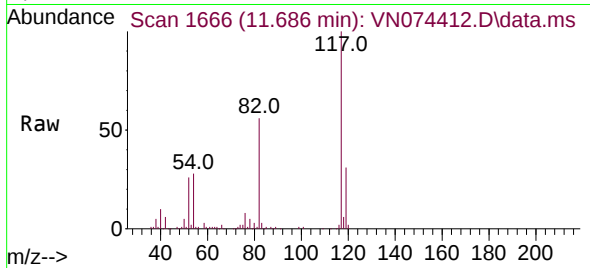




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

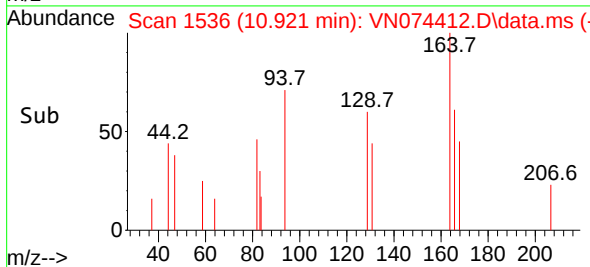
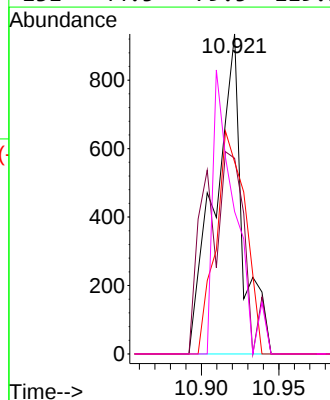
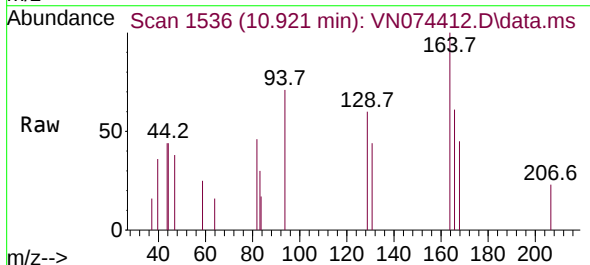
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022DL

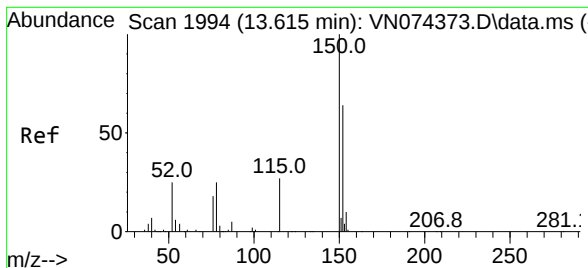
Tgt Ion:	117	Resp:	498916
Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.3	66.5
119	31.0	25.5	38.3



#64
Tetrachloroethene
Concen: 0.343 ug/l
RT: 10.921 min Scan# 1536
Delta R.T. 0.006 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion:	164	Resp:	1161
Ion	Ratio	Lower	Upper
164	100		
166	61.2	106.6	160.0#
129	60.0	84.0	126.0#
131	44.5	79.5	119.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022DL

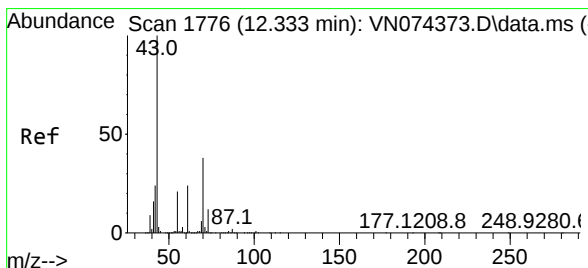
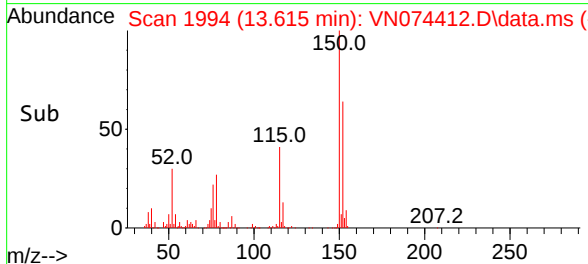
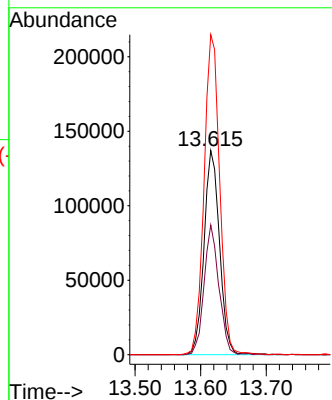
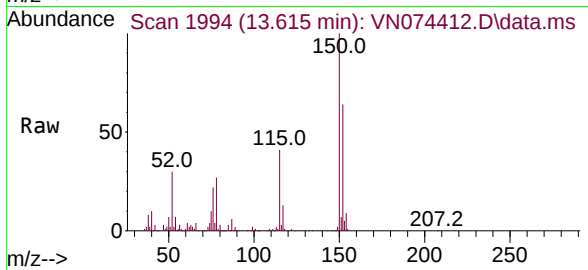
Tgt Ion:152 Resp: 225867

Ion Ratio Lower Upper

152 100

115 61.0 32.0 96.0

150 158.1 0.0 359.6



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.345 min Scan# 1778

Delta R.T. 0.012 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

Tgt Ion: 43 Resp: 1057

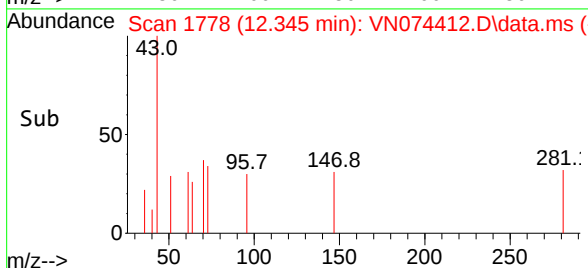
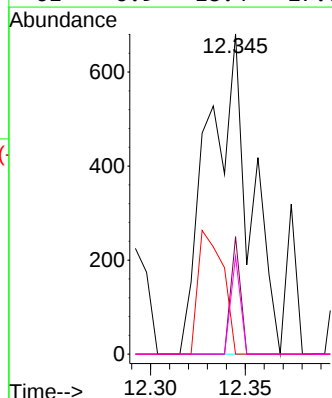
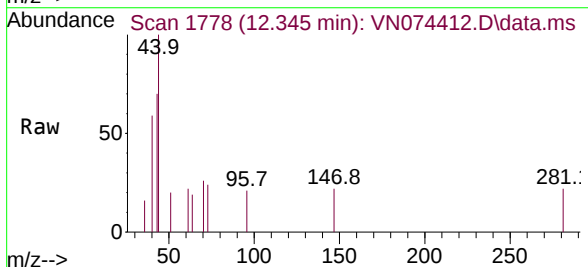
Ion Ratio Lower Upper

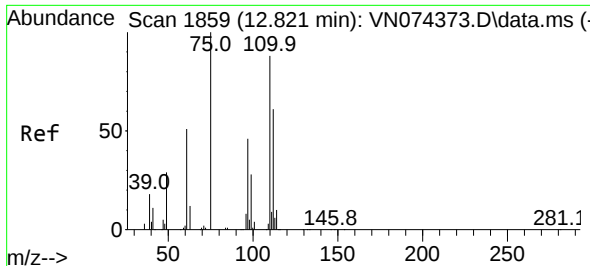
43 100

70 8.3 31.4 47.0#

55 22.5 17.0 25.6

61 6.9 18.4 27.6#

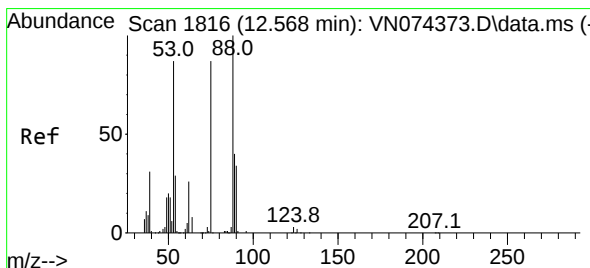
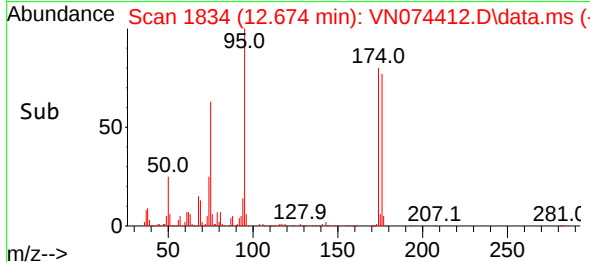
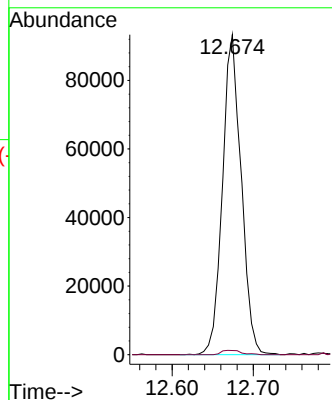
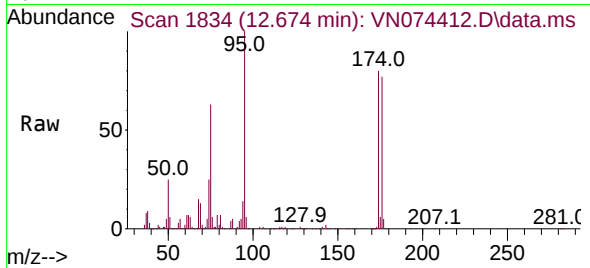




#76
1,2,3-Trichloropropane
Concen: 25.359 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

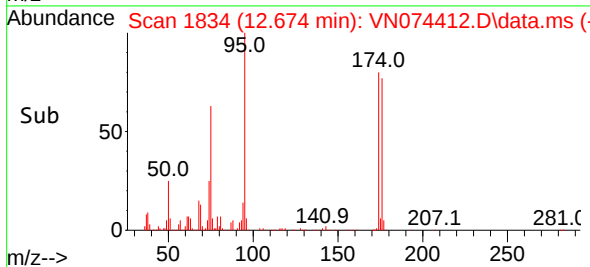
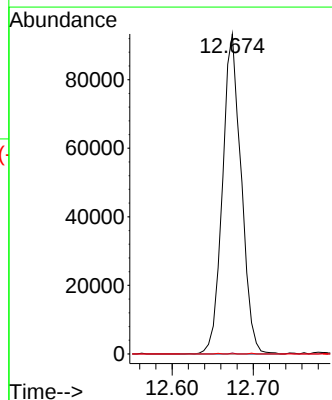
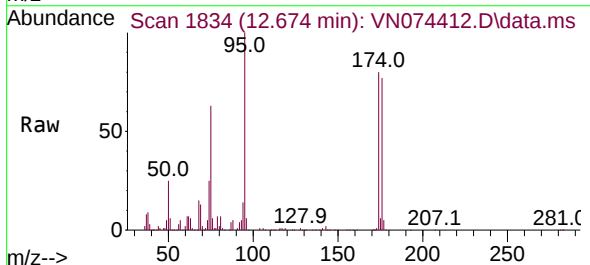
Instrument :
MSVOA_N
ClientSampleId :
MW-11A-11-16-083022DL

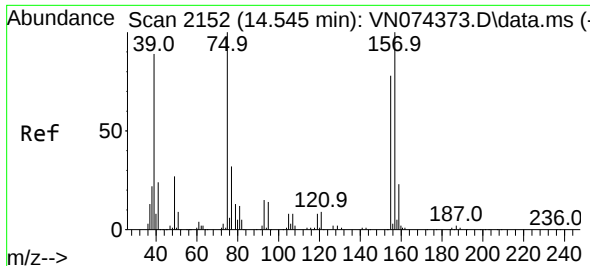
Tgt Ion: 75 Resp: 149731
Ion Ratio Lower Upper
75 100
77 1.5 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.524 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074412.D
Acq: 12 Sep 2022 14:34

Tgt Ion: 75 Resp: 149731
Ion Ratio Lower Upper
75 100
53 0.1 82.2 123.2#
89 0.0 37.7 56.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.539 min Scan# 2151

Delta R.T. -0.006 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022DL

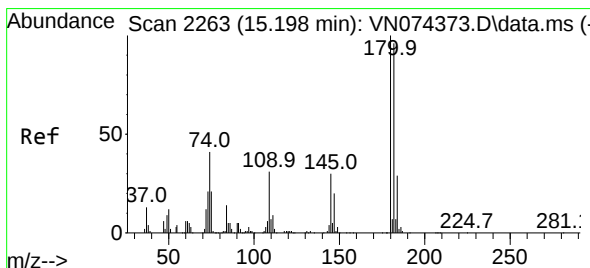
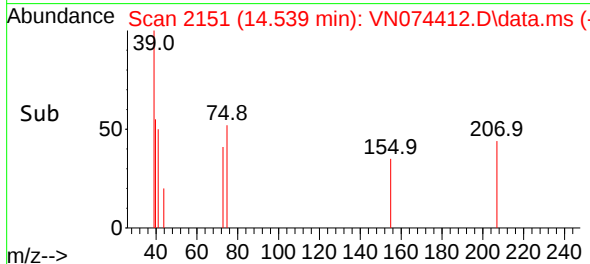
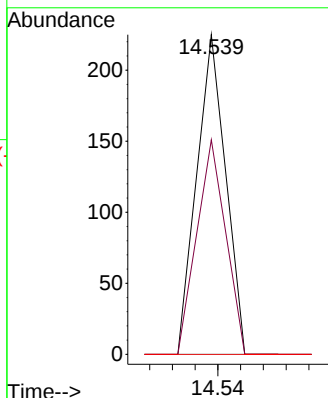
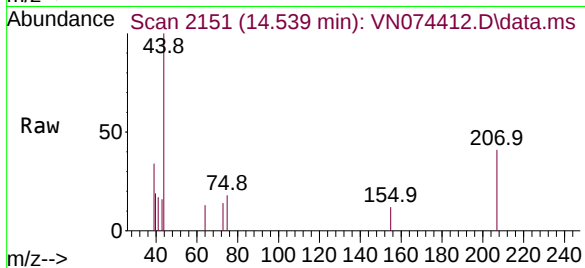
Tgt Ion: 75 Resp: 79

Ion Ratio Lower Upper

75 100

155 67.1 36.6 109.9

157 0.0 46.2 138.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.307 ug/l

RT: 15.215 min Scan# 2266

Delta R.T. 0.018 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

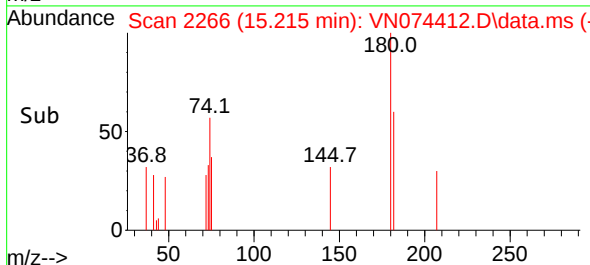
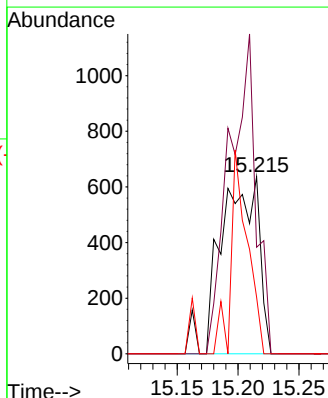
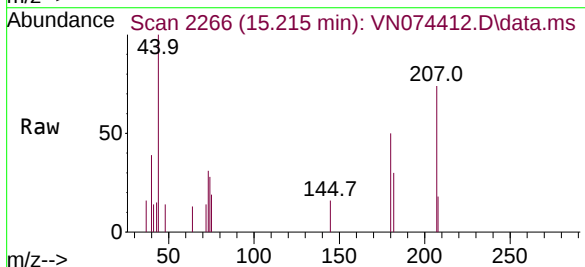
Tgt Ion:180 Resp: 1385

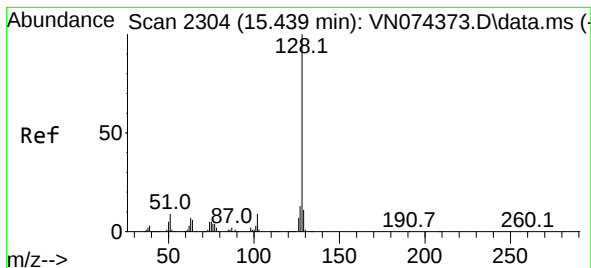
Ion Ratio Lower Upper

180 100

182 125.8 47.4 142.2

145 50.5 16.1 48.2#





#95

Naphthalene

Concen: 0.549 ug/l

RT: 15.439 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-11A-11-16-083022DL

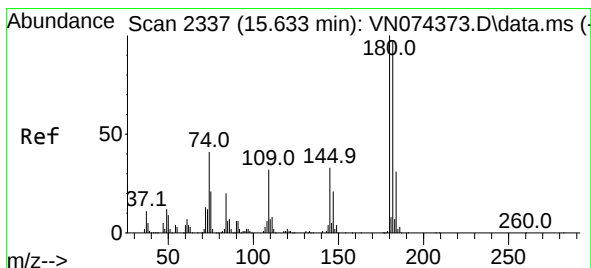
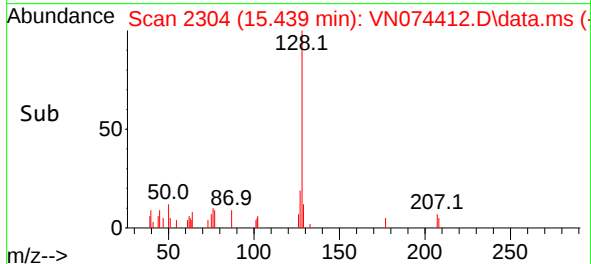
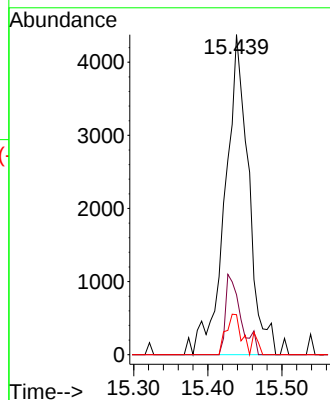
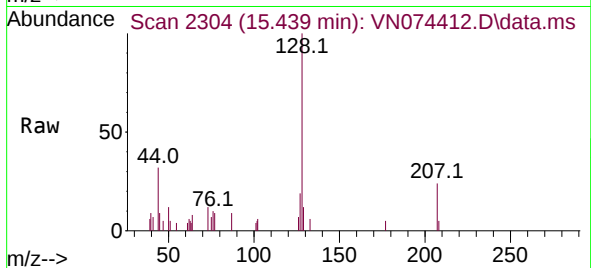
Tgt Ion:128 Resp: 9687

Ion Ratio Lower Upper

128 100

127 16.1 10.6 16.0#

129 8.0 8.8 13.2#



#96

1,2,3-Trichlorobenzene

Concen: 0.456 ug/l

RT: 15.633 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VN074412.D

Acq: 12 Sep 2022 14:34

Tgt Ion:180 Resp: 2130

Ion Ratio Lower Upper

180 100

182 85.4 47.6 142.8

145 27.1 17.3 52.0

