

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
 Data File : VX028980.D
 Acq On : 26 May 2022 03:52
 Operator : JC/MD
 Sample : N3002-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06

Quant Time: May 26 05:54:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

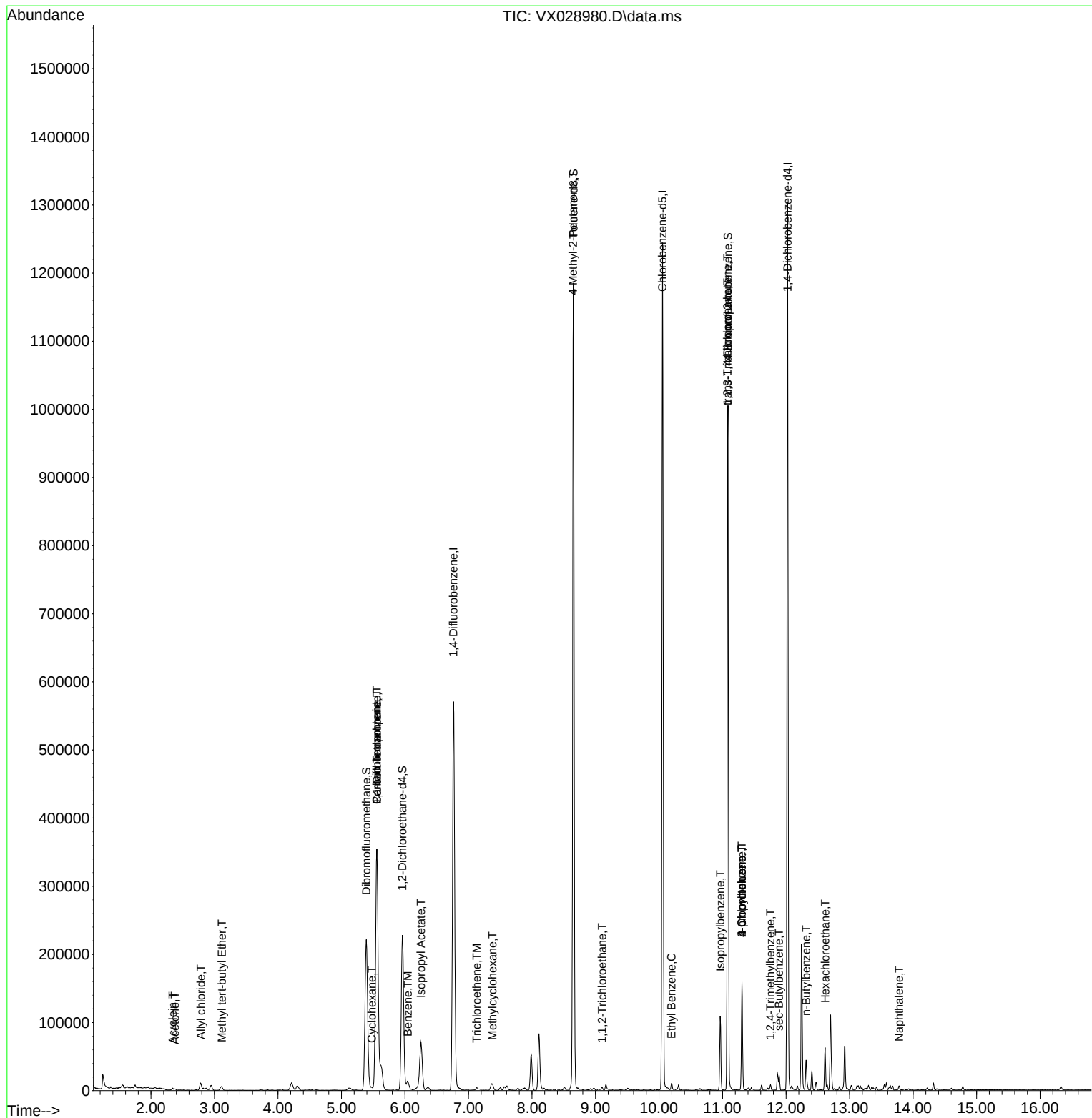
Internal Standards						
1) Pentafluorobenzene	5.556	168	335663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	600426	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	567616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	222532	48.364	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.720%
35) Dibromofluoromethane	5.391	113	196390	49.922	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.840%
50) Toluene-d8	8.653	98	713001	48.073	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.140%
62) 4-Bromofluorobenzene	11.085	95	278694	50.309	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.620%
Target Compounds						
					Qvalue	
5) Bromomethane	1.623	94	1011	Below Cal		94
6) Chloroethane	1.690	64	405	Below Cal		92
11) Tert butyl alcohol	2.946	59	4551	Below Cal	#	72
13) Acrolein	2.343	56	516	0.683	ug/l #	66
14) Allyl chloride	2.788	41	3865	0.694	ug/l #	57
16) Acetone	2.379	43	2052	1.039	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	2872	0.233	ug/l #	1
31) Cyclohexane	5.476	56	2288	0.358	ug/l	92
36) 1,1-Dichloropropene	5.556	75	25016	4.234	ug/l #	50
38) Carbon Tetrachloride	5.556	117	34654	5.828	ug/l #	16
39) Methylcyclohexane	7.378	83	3241	0.478	ug/l #	63
40) Benzene	6.043	78	15566	0.917	ug/l	98
43) Isopropyl Acetate	6.251	43	17728	1.836	ug/l #	56
44) Trichloroethene	7.128	130	1627	0.353	ug/l	94
51) 4-Methyl-2-Pentanone	8.646	43	3409	0.536	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	1593	0.358	ug/l #	20
67) Ethyl Benzene	10.195	91	5970	0.277	ug/l	97
73) Isopropylbenzene	10.963	105	55761	2.778	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	137630	22.205	ug/l #	38
78) n-propylbenzene	11.305	91	97812	4.213	ug/l	99
79) 2-Chlorotoluene	11.305	91	97812	6.874	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	137630	64.986	ug/l #	15
82) 4-Chlorotoluene	11.305	91	97812	5.946	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.756	105	3881	0.231	ug/l	98
85) sec-Butylbenzene	11.890	105	11183	0.560	ug/l	91
89) n-Butylbenzene	12.317	91	7006	0.482	ug/l #	39
90) Hexachloroethane	12.615	117	2801	1.033	ug/l #	10
95) Naphthalene	13.780	128	4375	0.233	ug/l #	91

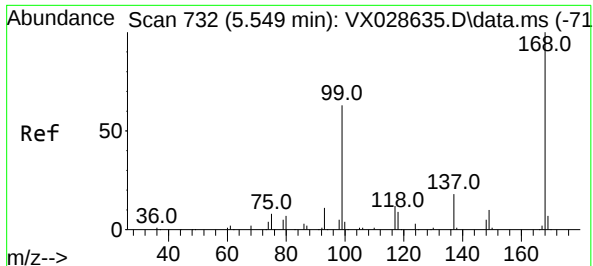
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
Data File : VX028980.D
Acq On : 26 May 2022 03:52
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
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Quant Time: May 26 05:54:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

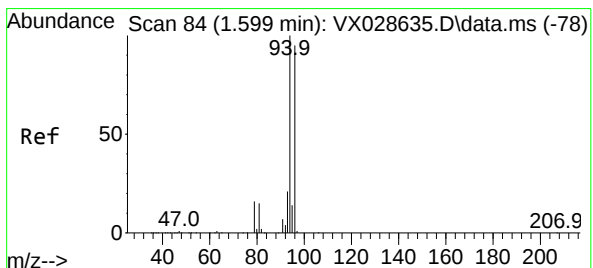
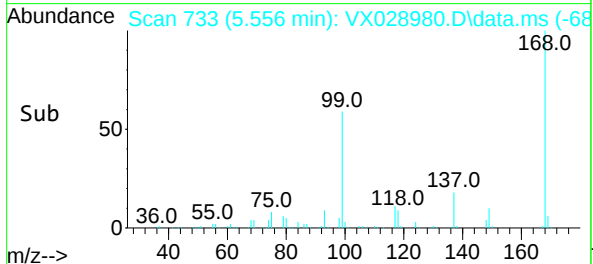
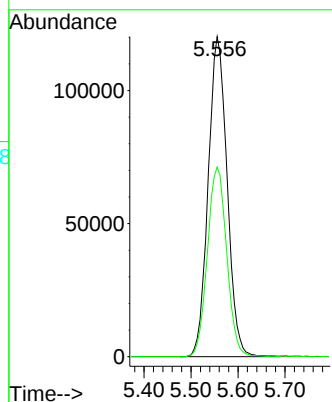
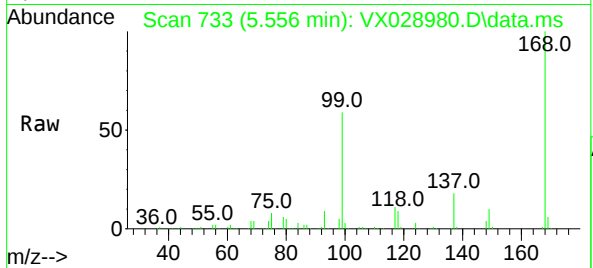




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

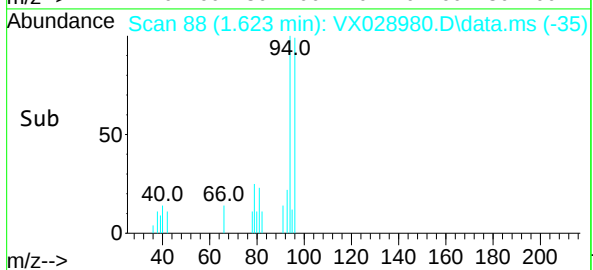
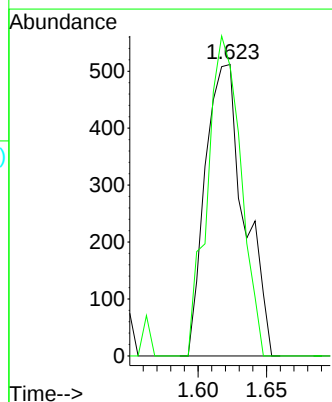
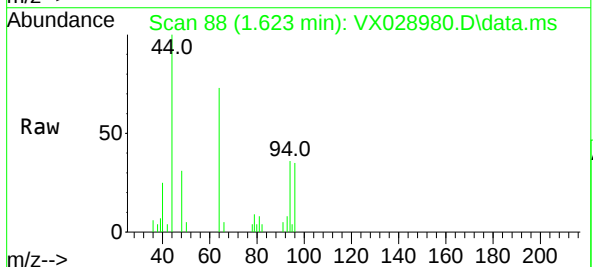
Instrument :
MSVOA_X
ClientSampleId :
MW-06

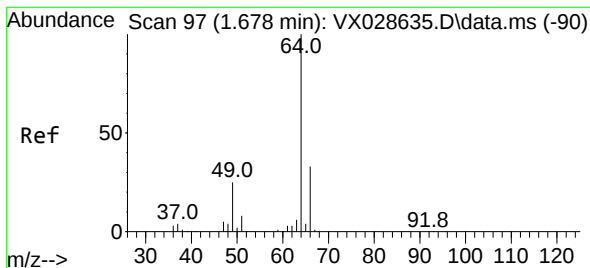
Tgt Ion:168 Resp: 335663
Ion Ratio Lower Upper
168 100
99 59.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.623 min Scan# 88
Delta R.T. 0.024 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion: 94 Resp: 1011
Ion Ratio Lower Upper
94 100
96 99.4 75.3 112.9





#6

Chloroethane

Concen: Below Cal

RT: 1.690 min Scan# 91

Delta R.T. 0.012 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

Instrument :

MSVOA_X

ClientSampleId :

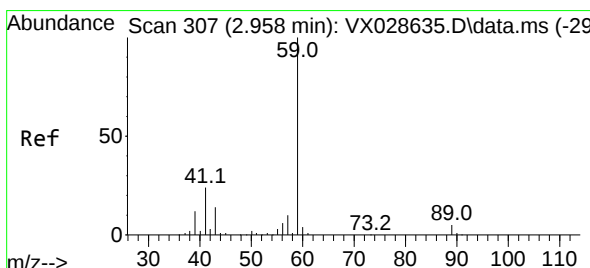
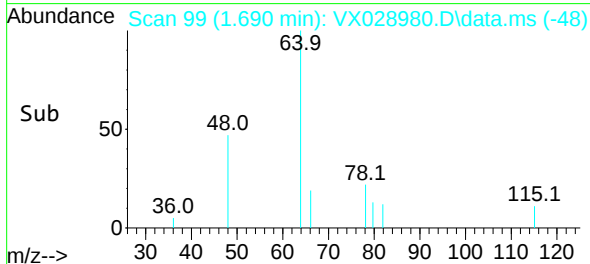
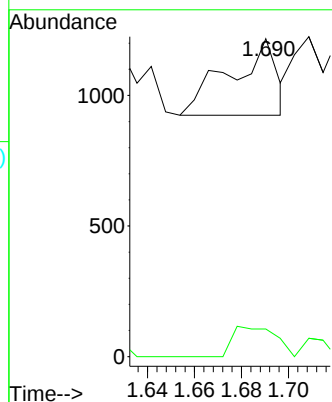
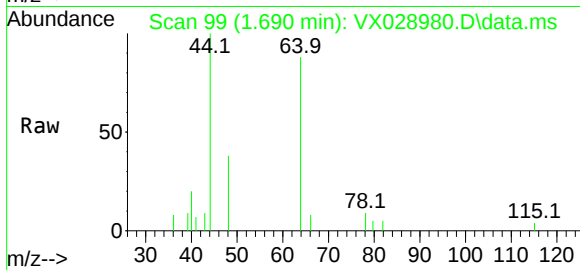
MW-06

Tgt Ion: 64 Resp: 405

Ion Ratio Lower Upper

64 100

66 36.2 25.3 37.9



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.946 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX028980.D

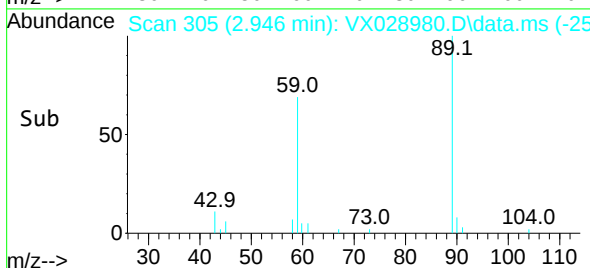
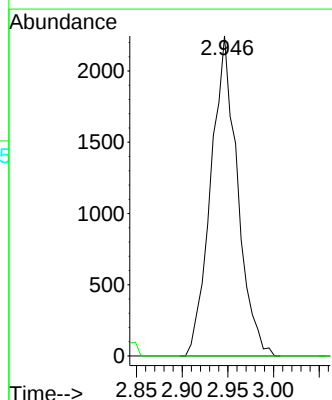
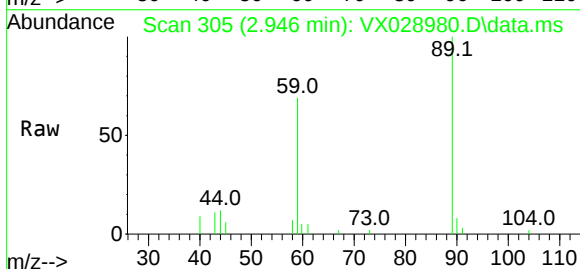
Acq: 26 May 2022 03:52

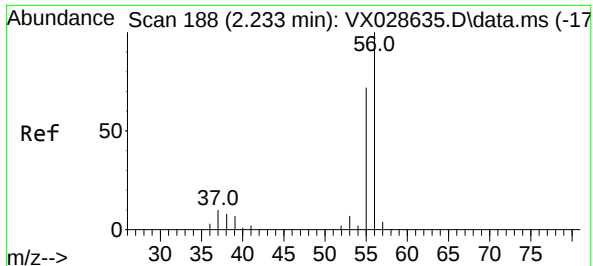
Tgt Ion: 59 Resp: 4551

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 0.683 ug/l

RT: 2.343 min Scan# 206

Delta R.T. 0.110 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

Instrument :

MSVOA_X

ClientSampleId :

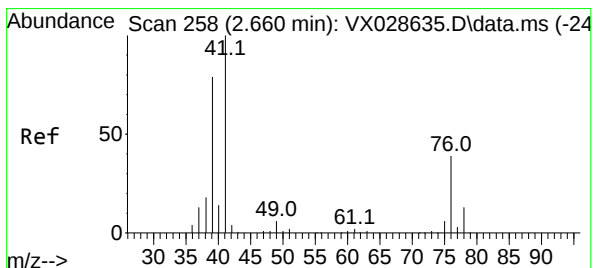
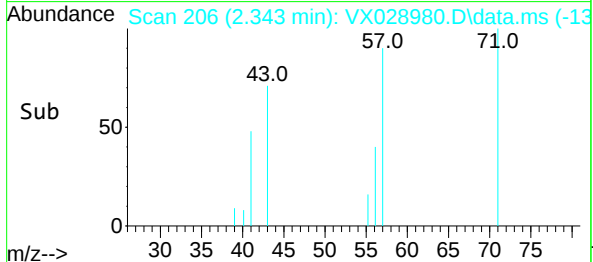
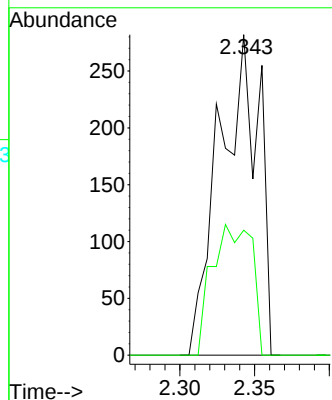
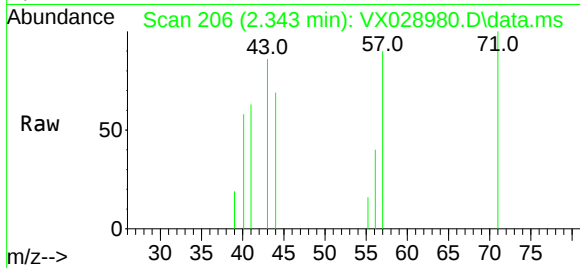
MW-06

Tgt Ion: 56 Resp: 516

Ion Ratio Lower Upper

56 100

55 41.3 55.0 82.6#



#14

Allyl chloride

Concen: 0.694 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.128 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

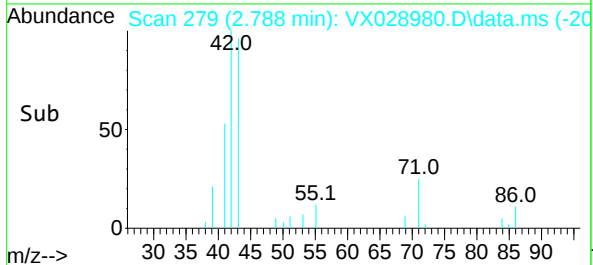
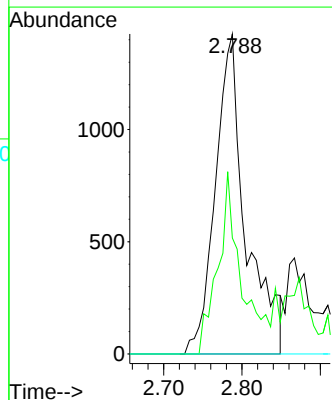
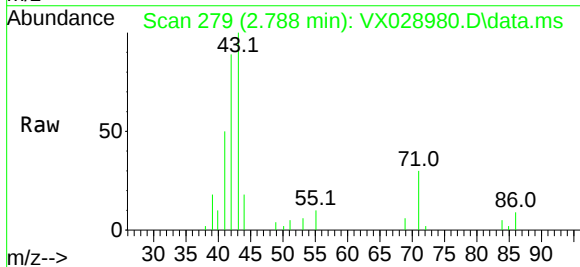
Tgt Ion: 41 Resp: 3865

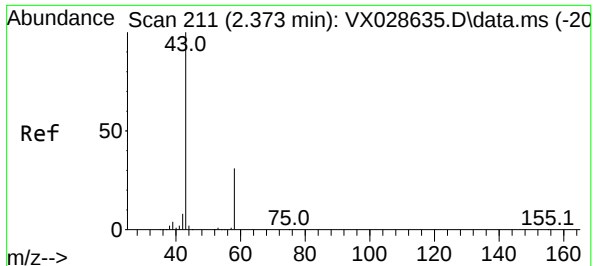
Ion Ratio Lower Upper

41 100

39 41.2 50.4 75.6#

76 0.0 32.7 49.1#





#16

Acetone

Concen: 1.039 ug/l

RT: 2.379 min Scan# 211

Delta R.T. 0.006 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

Instrument :

MSVOA_X

ClientSampleId :

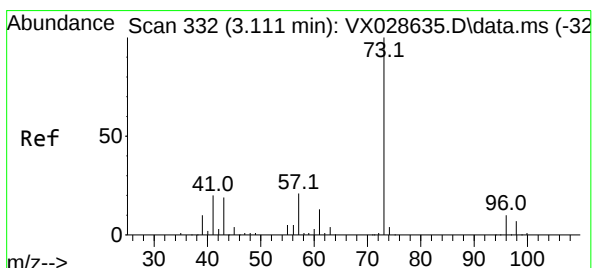
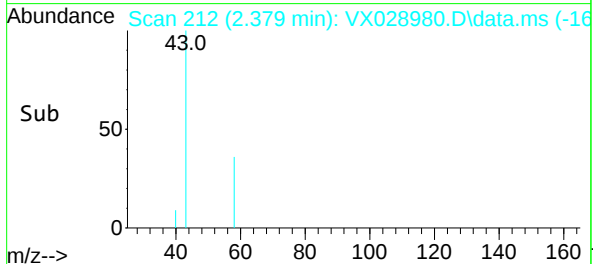
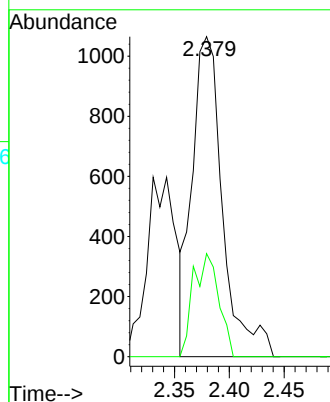
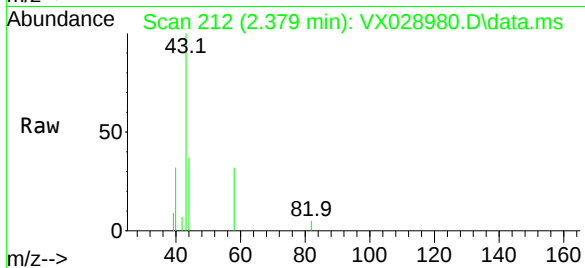
MW-06

Tgt Ion: 43 Resp: 2052

Ion Ratio Lower Upper

43 100

58 32.2 28.8 43.2



#19

Methyl tert-butyl Ether

Concen: 0.233 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX028980.D

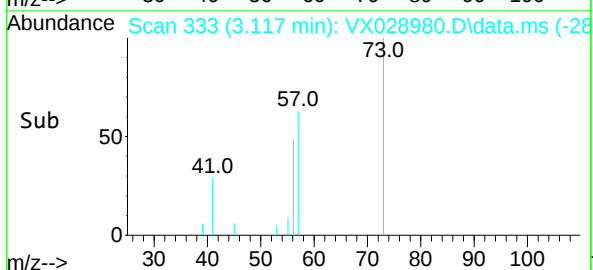
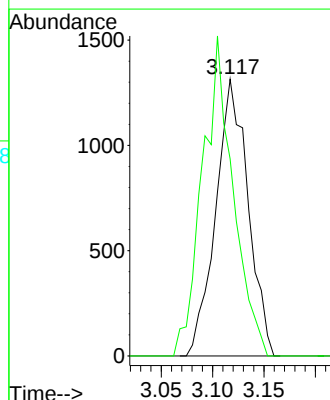
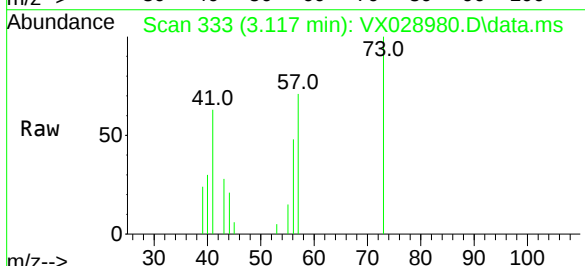
Acq: 26 May 2022 03:52

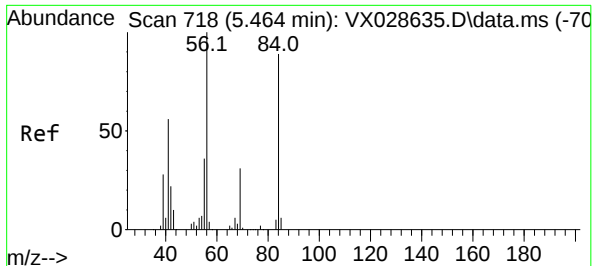
Tgt Ion: 73 Resp: 2872

Ion Ratio Lower Upper

73 100

57 71.2 16.8 25.2#

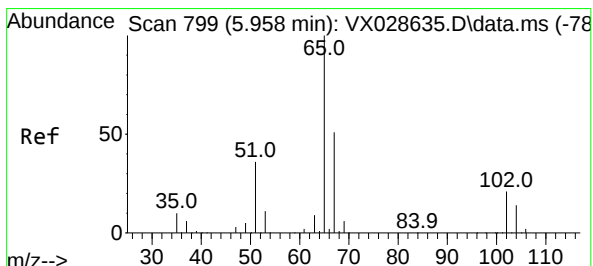
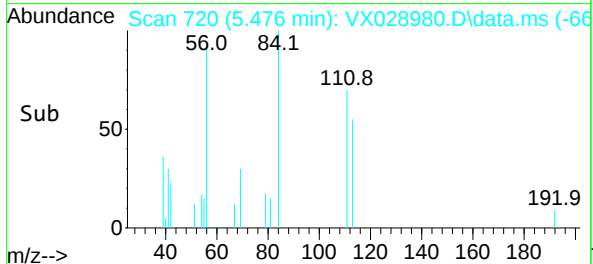
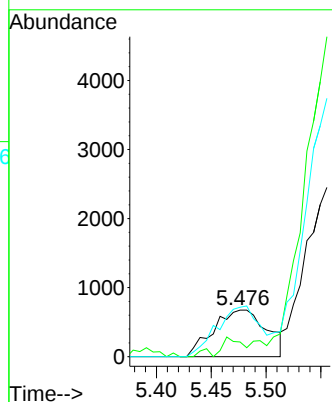
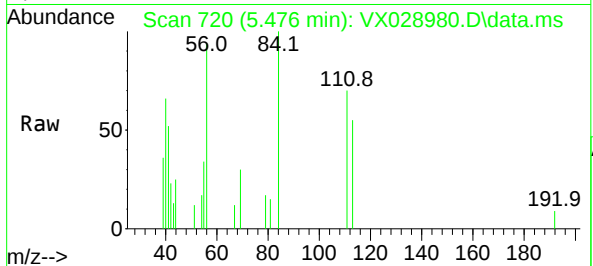




#31
Cyclohexane
Concen: 0.358 ug/l
RT: 5.476 min Scan# 718
Delta R.T. 0.012 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

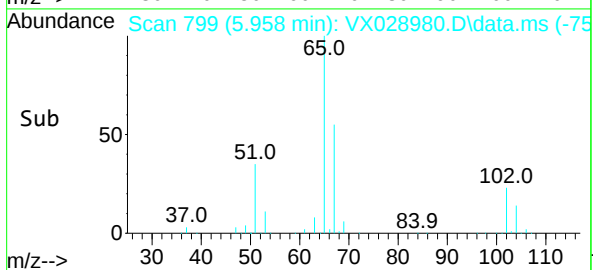
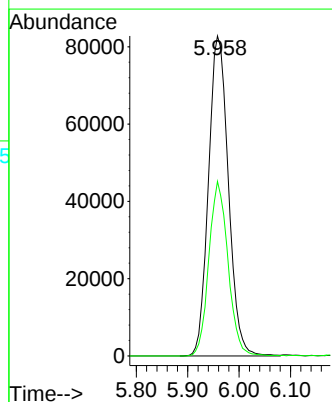
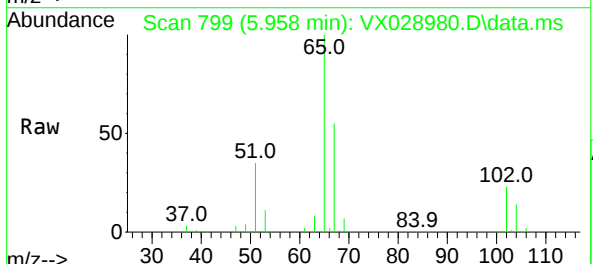
Instrument :
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MW-06

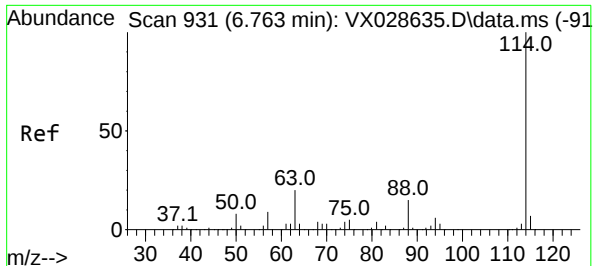
Tgt Ion: 56 Resp: 2288
Ion Ratio Lower Upper
56 100
69 31.7 26.7 40.1
84 106.1 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 48.364 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion: 65 Resp: 222532
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.4

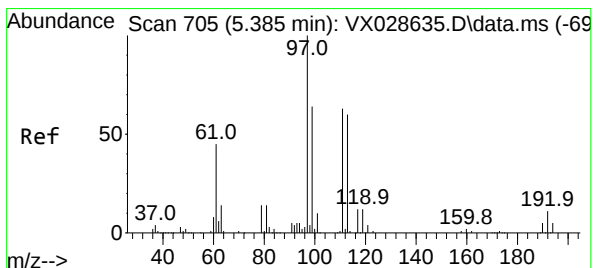
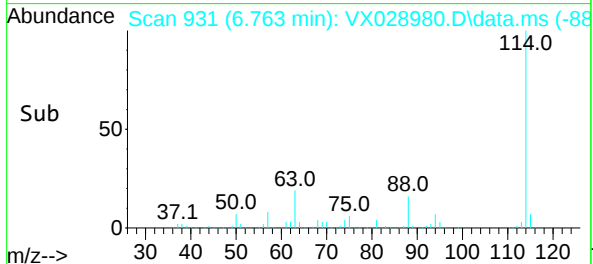
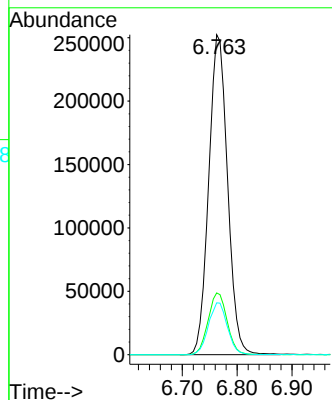
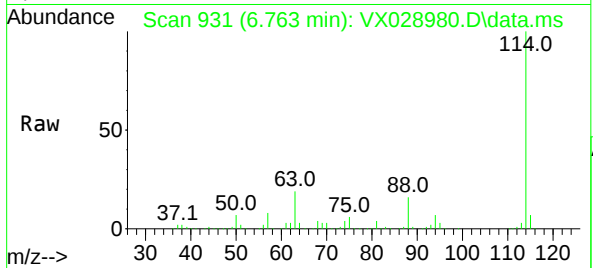




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

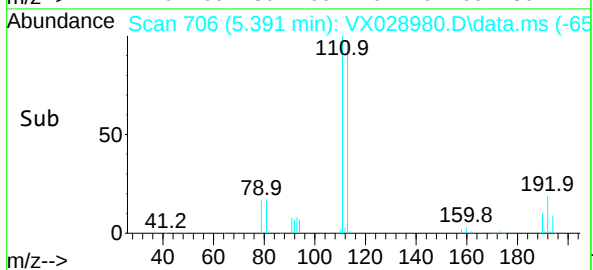
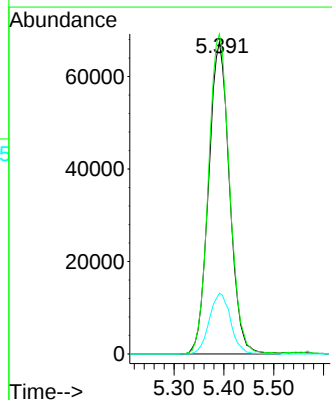
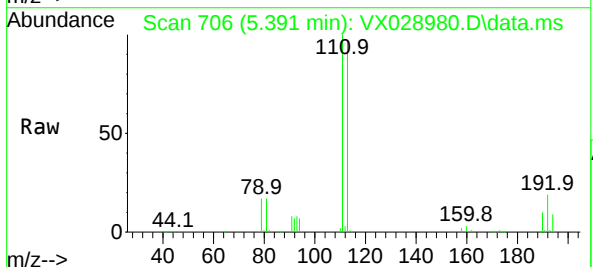
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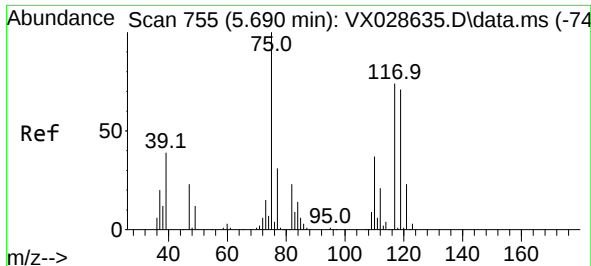
Tgt Ion:114 Resp: 600426
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.8
88 16.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.922 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion:113 Resp: 196390
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 19.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.234 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

Instrument :

MSVOA_X

ClientSampleId :

MW-06

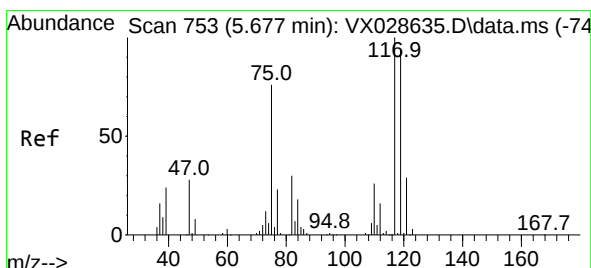
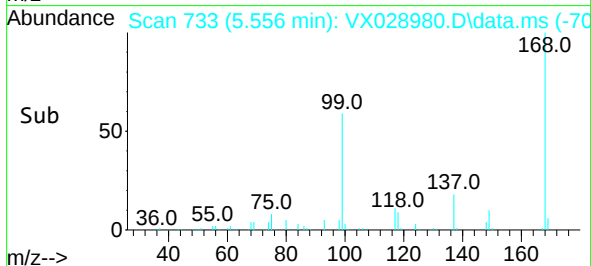
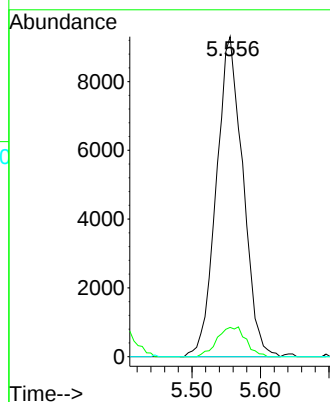
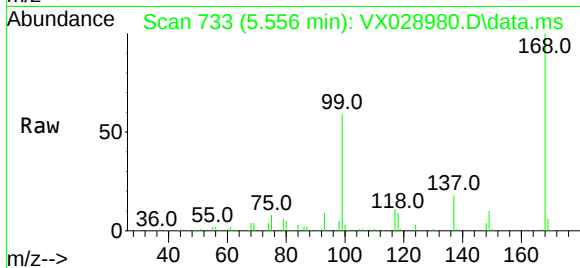
Tgt Ion: 75 Resp: 25016

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

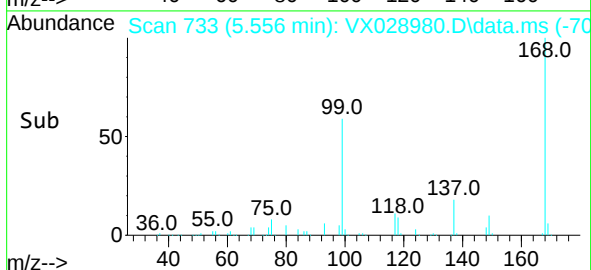
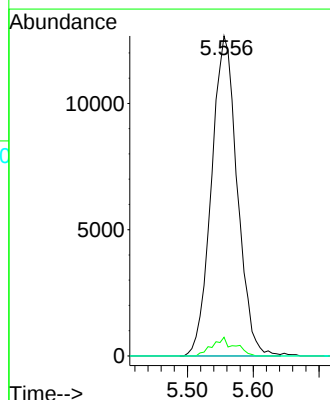
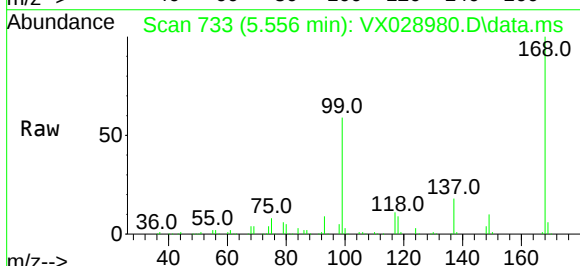
Tgt Ion: 117 Resp: 34654

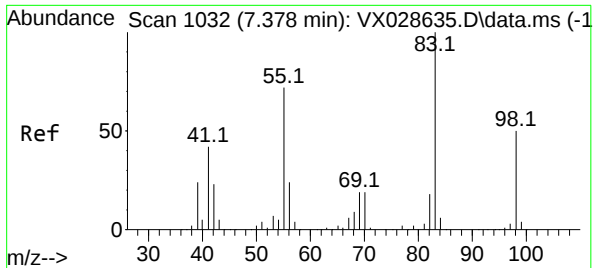
Ion Ratio Lower Upper

117 100

119 5.9 77.3 115.9#

121 0.0 24.2 36.2#

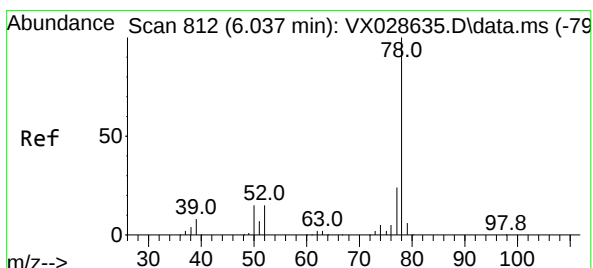
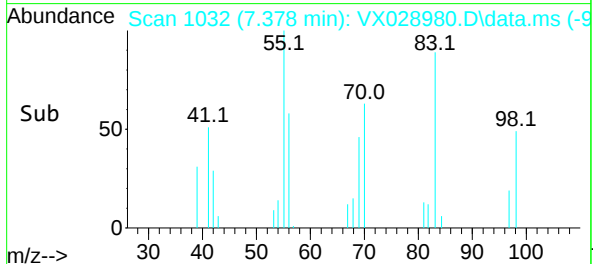
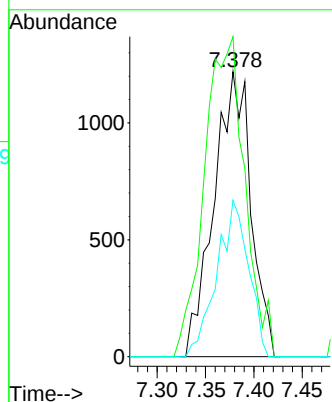
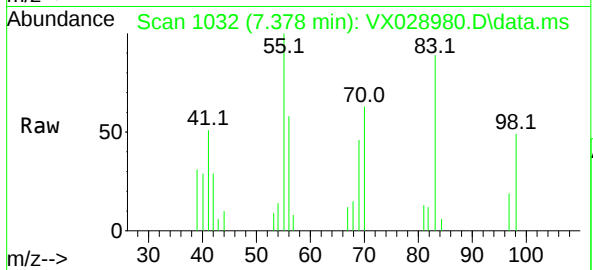




#39
Methylcyclohexane
Concen: 0.478 ug/l
RT: 7.378 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

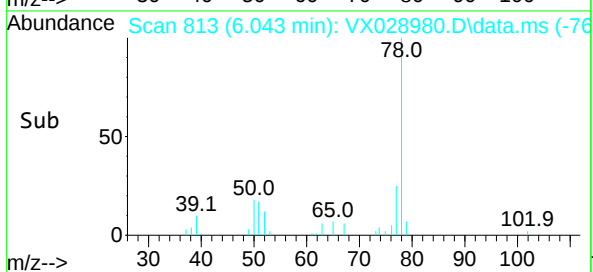
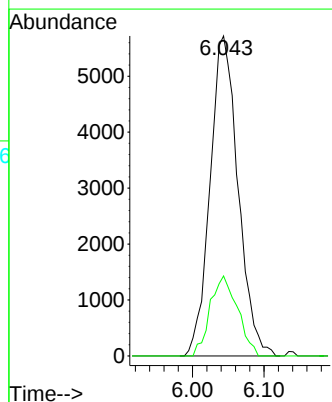
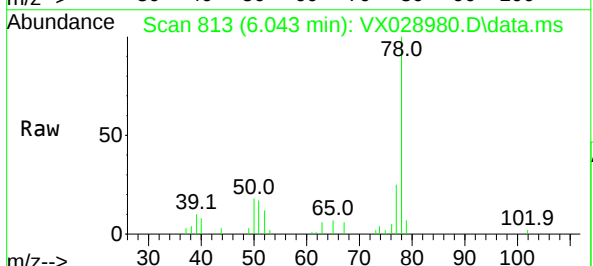
Instrument :
MSVOA_X
ClientSampleId :
MW-06

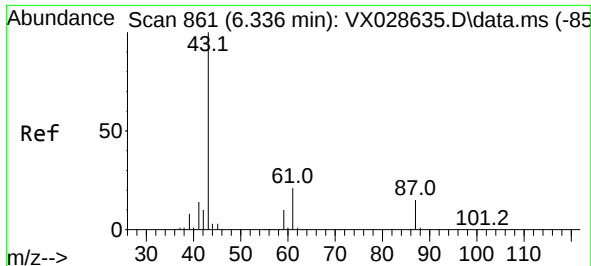
Tgt Ion: 83 Resp: 3241
Ion Ratio Lower Upper
83 100
55 112.3 54.6 81.8#
98 54.9 37.4 56.2



#40
Benzene
Concen: 0.917 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion: 78 Resp: 15566
Ion Ratio Lower Upper
78 100
77 25.0 19.3 28.9

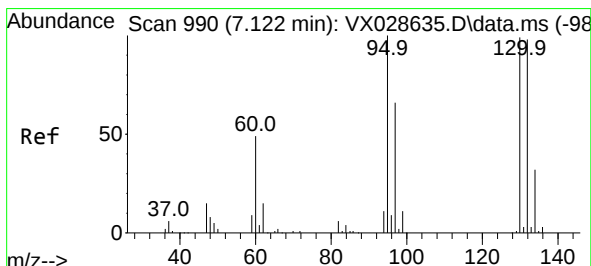
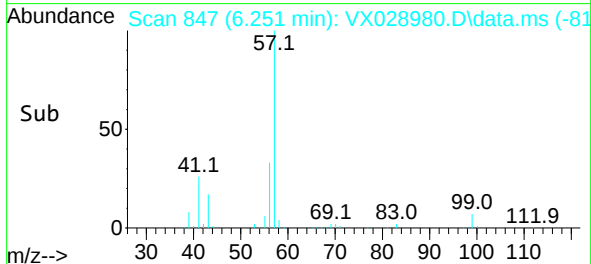
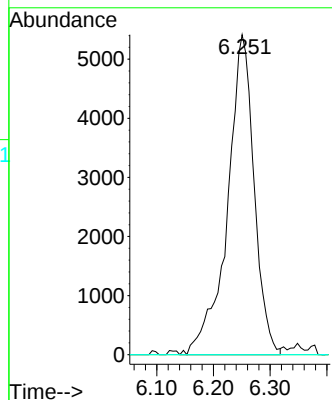
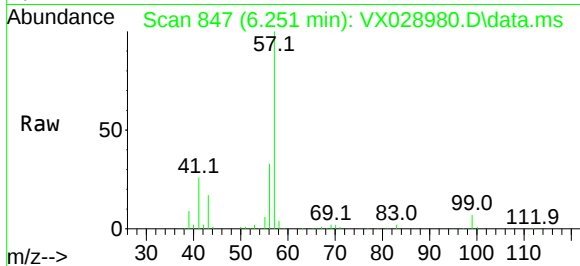




#43
Isopropyl Acetate
Concen: 1.836 ug/l
RT: 6.251 min Scan# 84
Delta R.T. -0.085 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

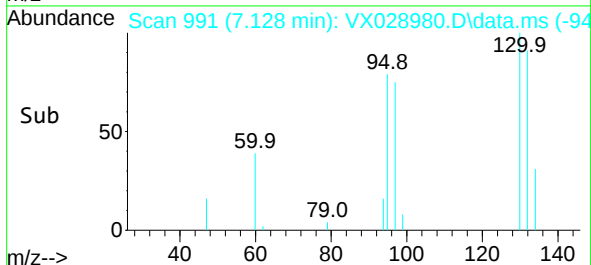
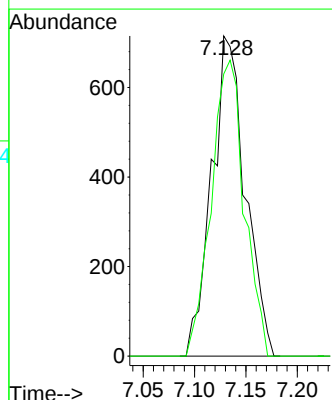
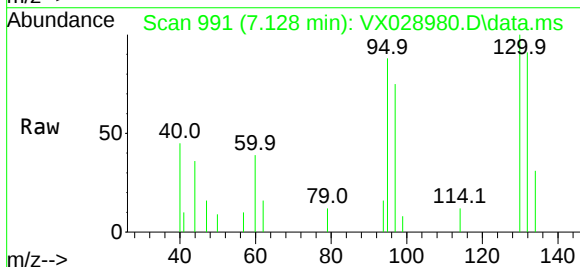
Instrument :
MSVOA_X
ClientSampleId :
MW-06

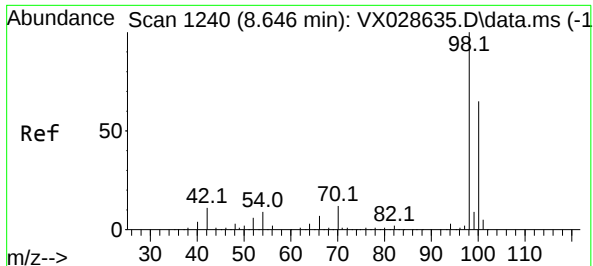
Tgt Ion: 43 Resp: 17728
Ion Ratio Lower Upper
43 100
61 0.0 18.5 27.7#
87 0.0 13.0 19.6#



#44
Trichloroethene
Concen: 0.353 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion:130 Resp: 1627
Ion Ratio Lower Upper
130 100
95 88.1 0.0 188.8

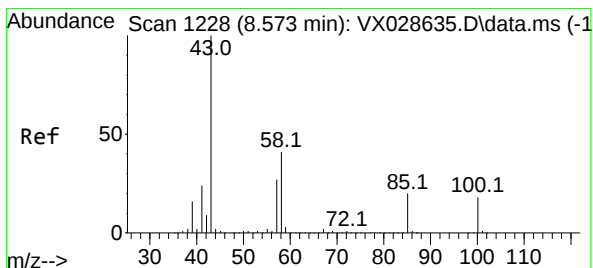
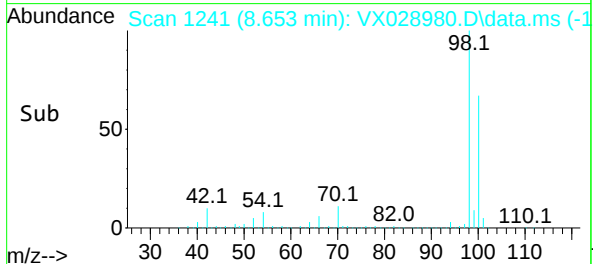
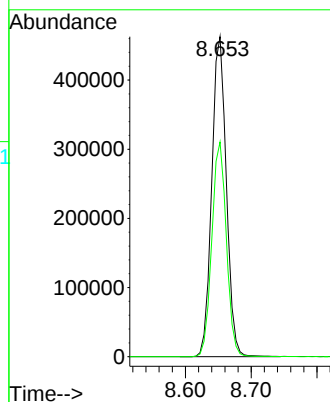
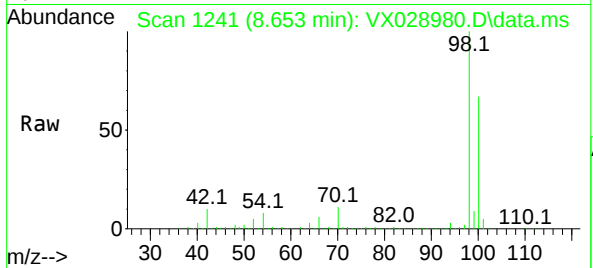




#50
Toluene-d8
Concen: 48.073 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

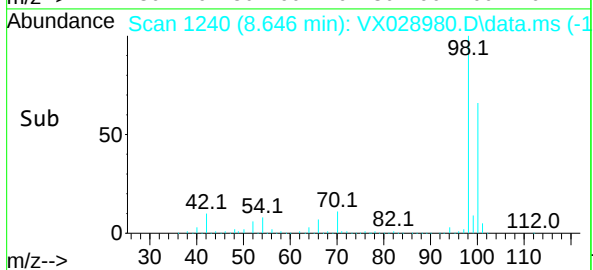
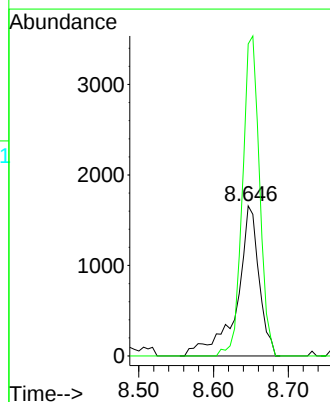
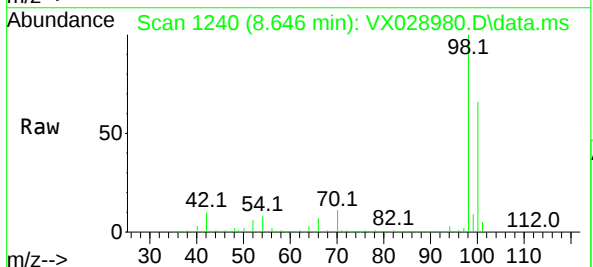
Instrument :
MSVOA_X
ClientSampleId :
MW-06

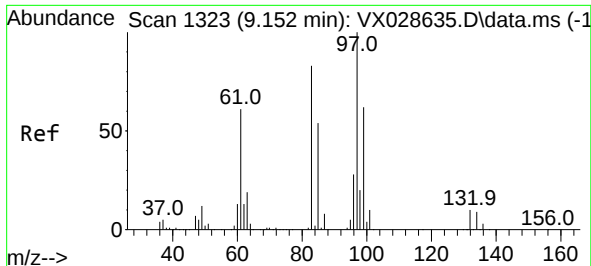
Tgt Ion: 98 Resp: 713001
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.536 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion: 43 Resp: 3409
Ion Ratio Lower Upper
43 100
58 164.4 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 0.358 ug/l

RT: 9.104 min Scan# 1

Delta R.T. -0.048 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

Instrument :

MSVOA_X

ClientSampleId :

MW-06

Tgt Ion: 97 Resp: 1593

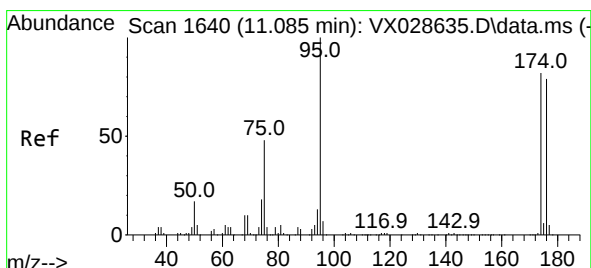
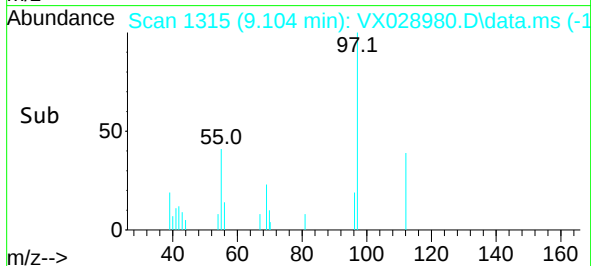
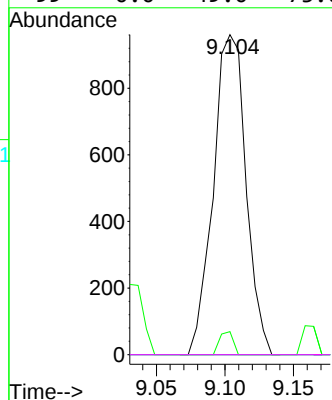
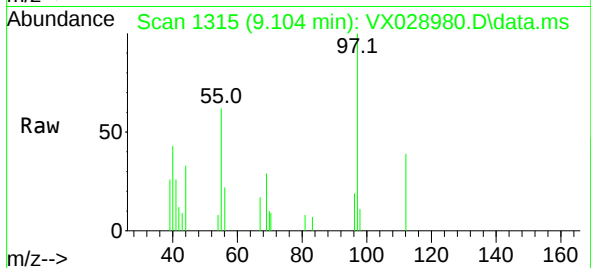
Ion Ratio Lower Upper

97 100

83 7.2 66.2 99.4#

85 0.0 42.9 64.3#

99 0.0 49.0 73.6#



#62

4-Bromofluorobenzene

Concen: 50.309 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

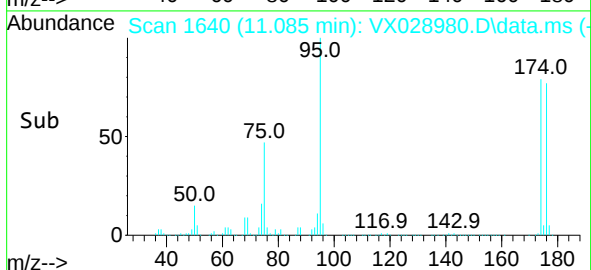
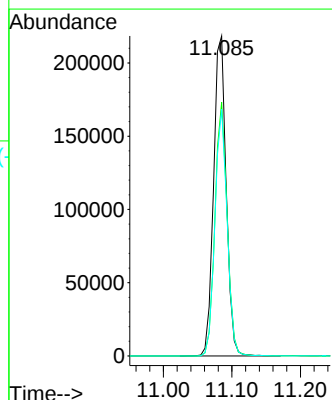
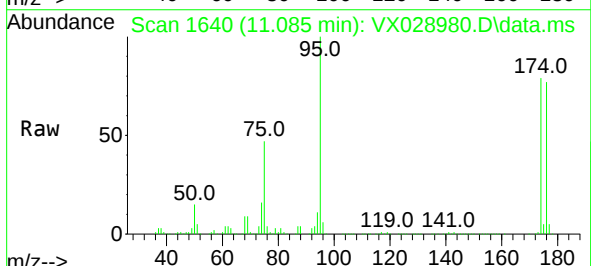
Tgt Ion: 95 Resp: 278694

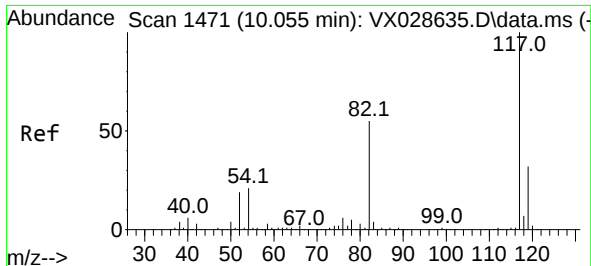
Ion Ratio Lower Upper

95 100

174 76.6 0.0 163.0

176 74.5 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

Instrument :

MSVOA_X

ClientSampleId :

MW-06

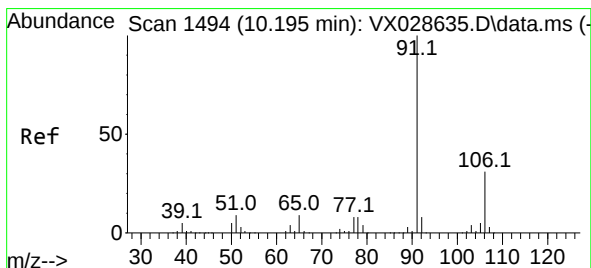
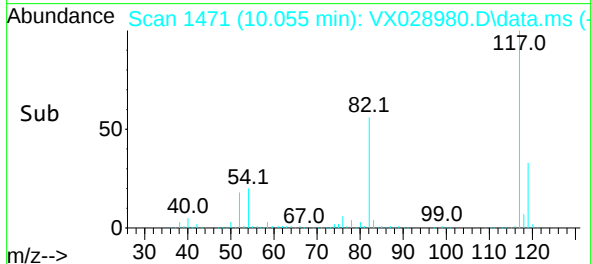
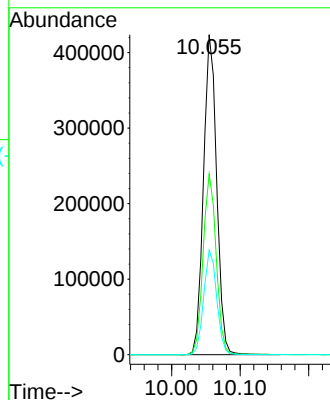
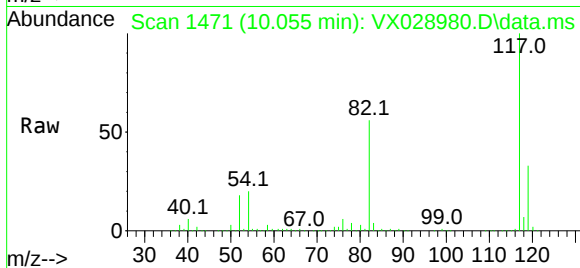
Tgt Ion:117 Resp: 567616

Ion Ratio Lower Upper

117 100

82 56.5 41.8 62.8

119 32.7 24.8 37.2



#67

Ethyl Benzene

Concen: 0.277 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX028980.D

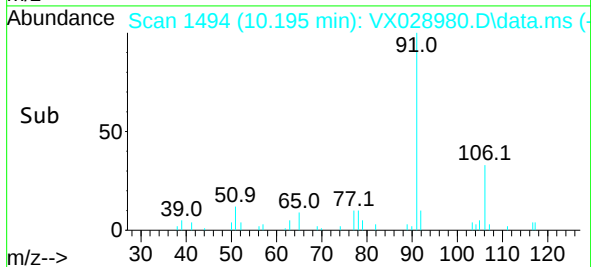
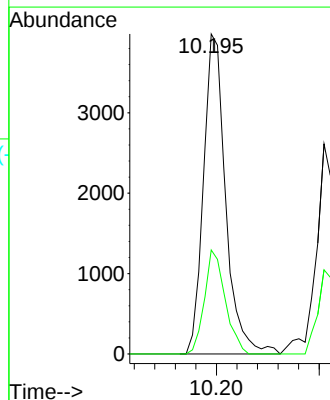
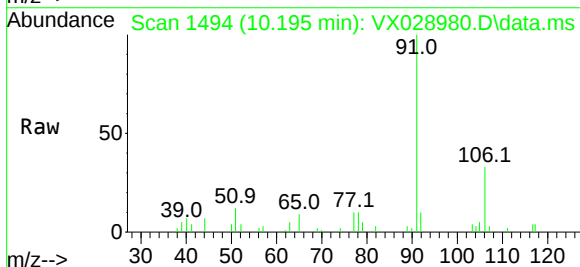
Acq: 26 May 2022 03:52

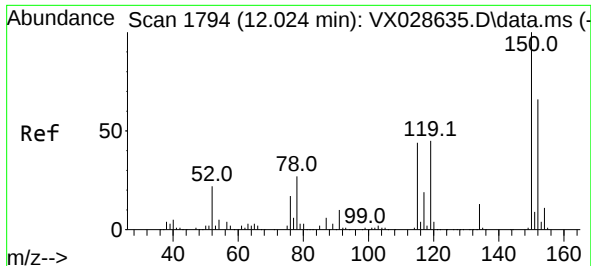
Tgt Ion: 91 Resp: 5970

Ion Ratio Lower Upper

91 100

106 32.5 24.6 36.8

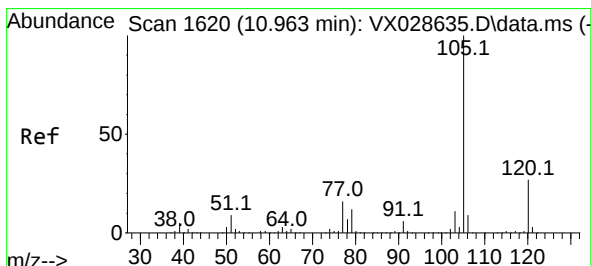
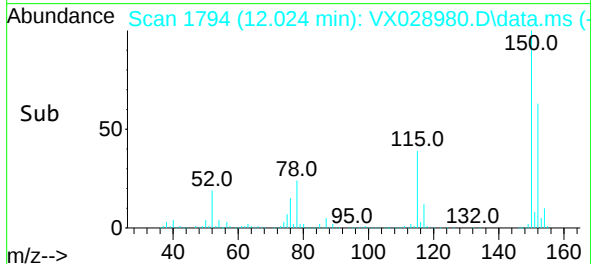
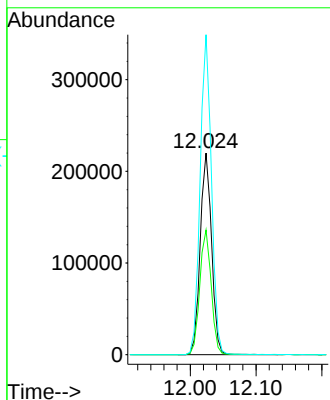
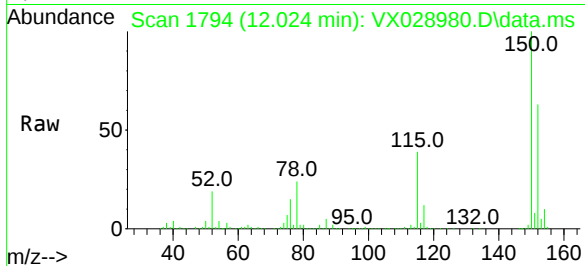




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

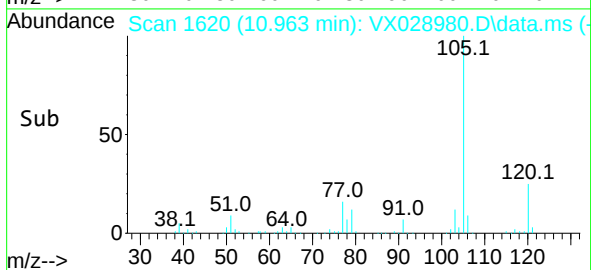
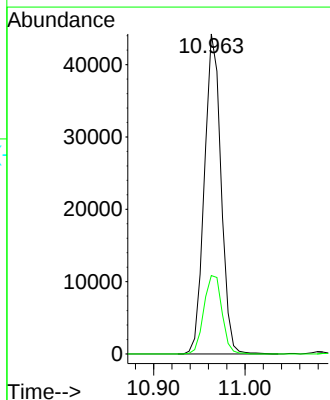
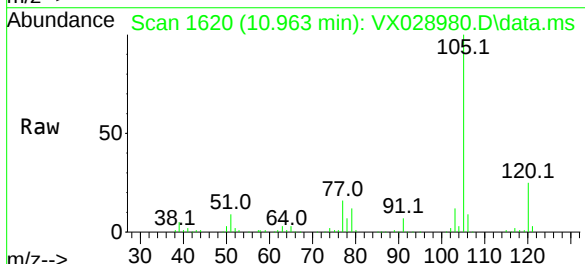
Instrument :
MSVOA_X
ClientSampleId :
MW-06

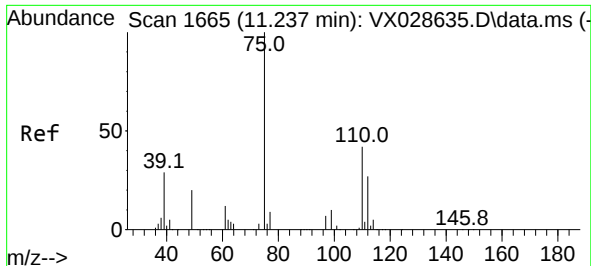
Tgt Ion:152 Resp: 264659
Ion Ratio Lower Upper
152 100
115 62.2 37.5 112.7
150 157.5 0.0 338.2



#73
Isopropylbenzene
Concen: 2.778 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion:105 Resp: 55761
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.5

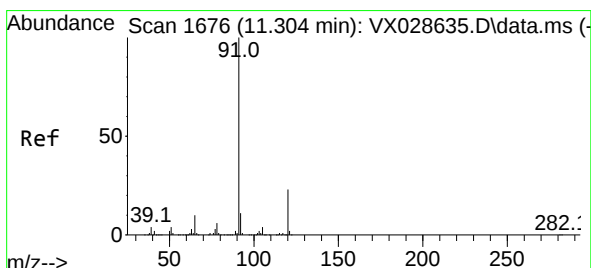
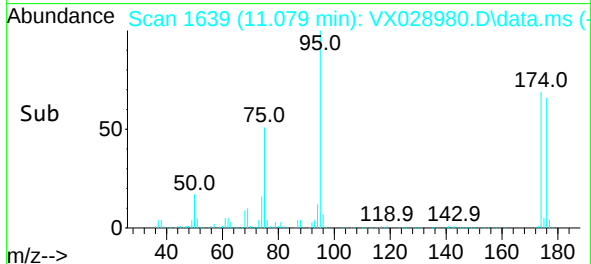
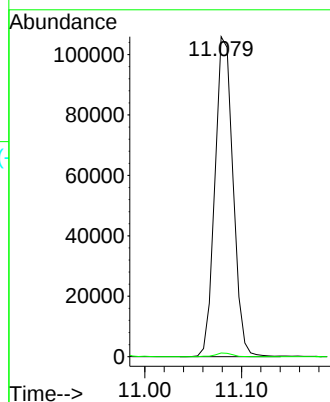
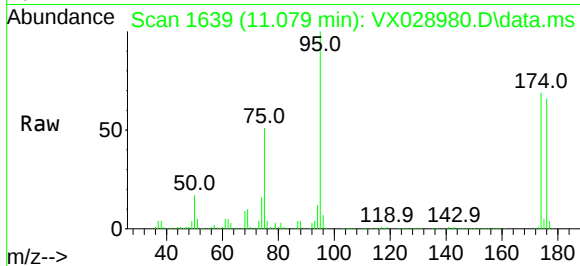




#76
1,2,3-Trichloropropane
Concen: 22.205 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

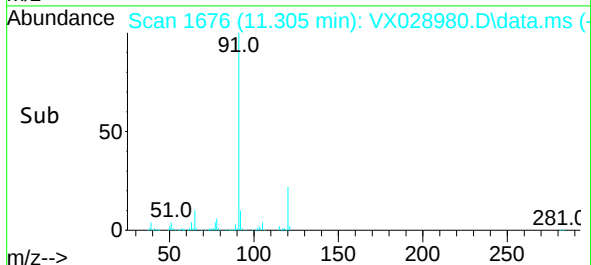
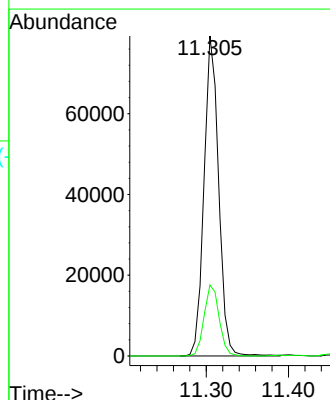
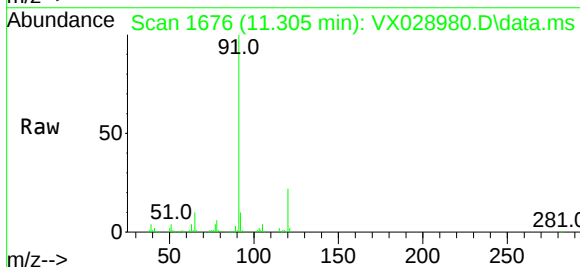
Instrument :
MSVOA_X
ClientSampleId :
MW-06

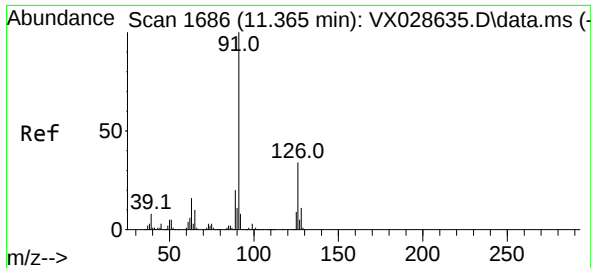
Tgt Ion: 75 Resp: 137630
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#78
n-propylbenzene
Concen: 4.213 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion: 91 Resp: 97812
Ion Ratio Lower Upper
91 100
120 22.8 11.6 34.8

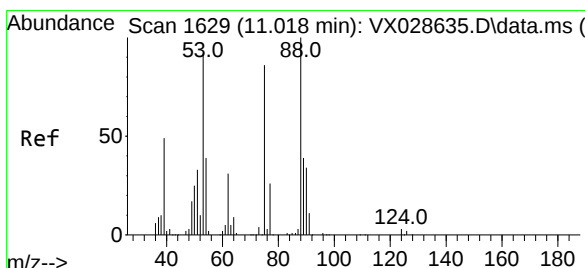
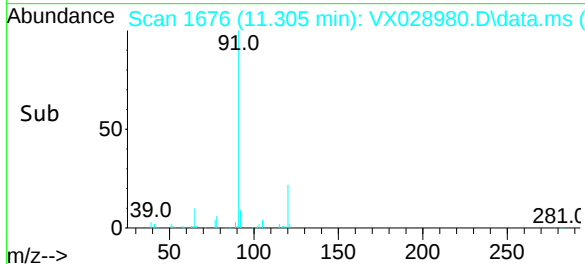
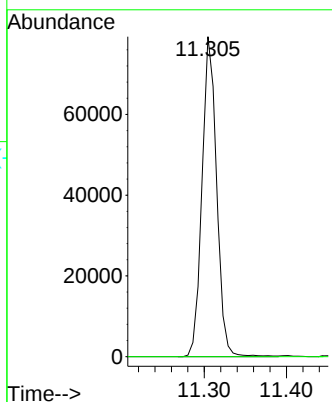
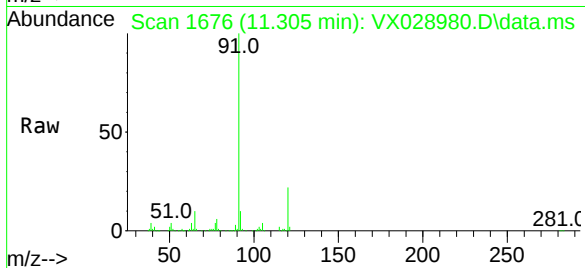




#79
2-Chlorotoluene
Concen: 6.874 ug/l
RT: 11.305 min Scan# 1686
Delta R.T. -0.060 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

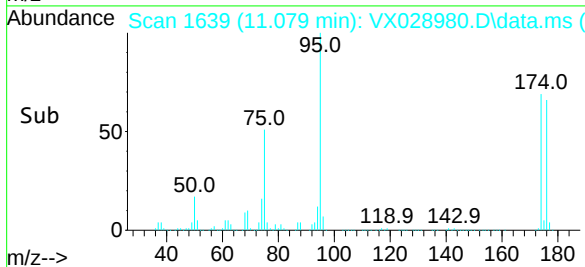
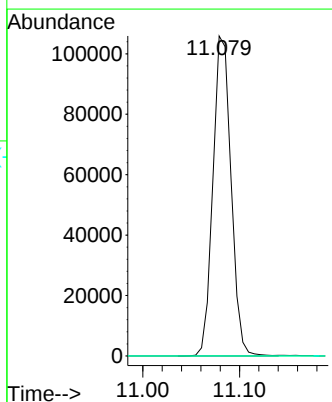
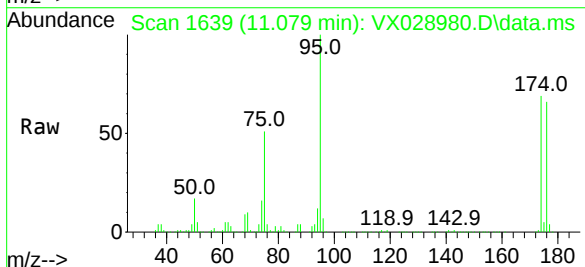
Instrument :
MSVOA_X
ClientSampleId :
MW-06

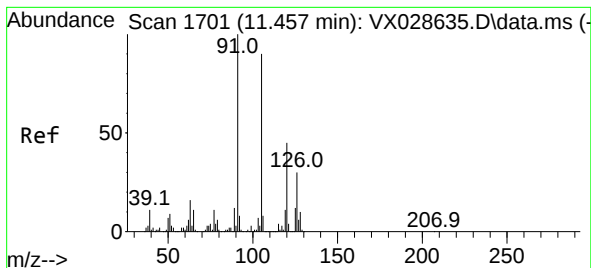
Tgt Ion: 91 Resp: 97812
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.986 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion: 75 Resp: 137630
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#82

4-Chlorotoluene

Concen: 5.946 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.152 min

Lab File: VX028980.D

Acq: 26 May 2022 03:52

Instrument :

MSVOA_X

ClientSampleId :

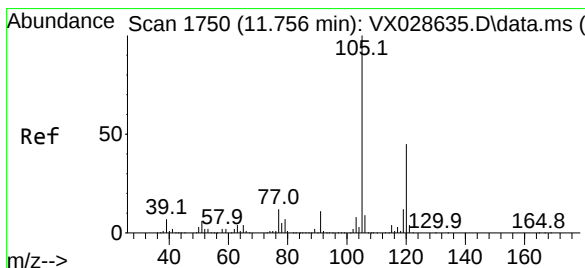
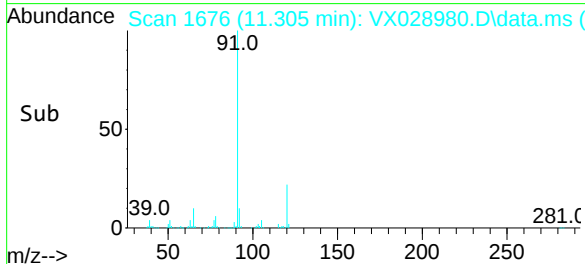
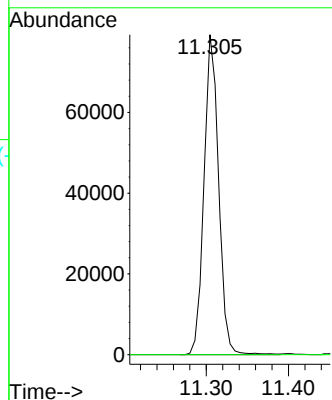
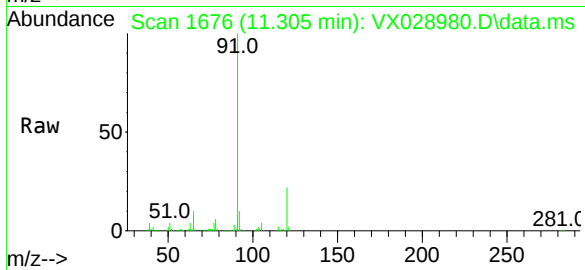
MW-06

Tgt Ion: 91 Resp: 97812

Ion Ratio Lower Upper

91 100

126 0.0 14.9 44.5#



#84

1,2,4-Trimethylbenzene

Concen: 0.231 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX028980.D

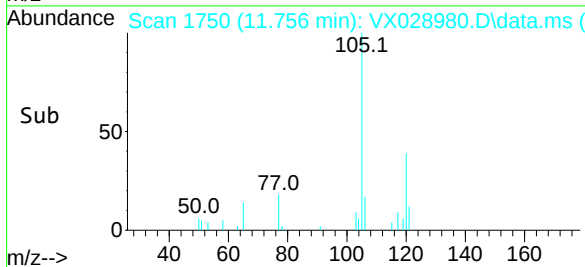
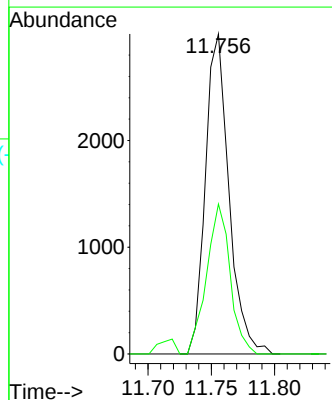
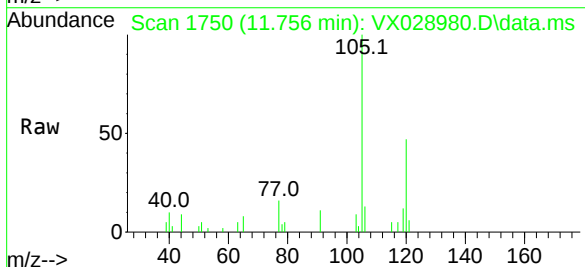
Acq: 26 May 2022 03:52

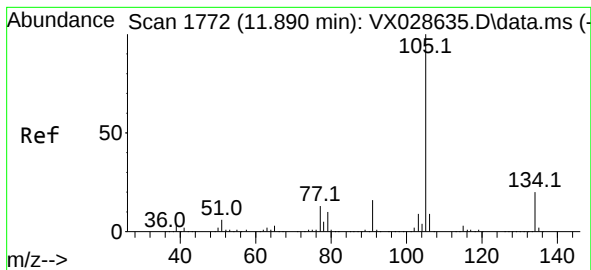
Tgt Ion: 105 Resp: 3881

Ion Ratio Lower Upper

105 100

120 46.7 22.6 67.8

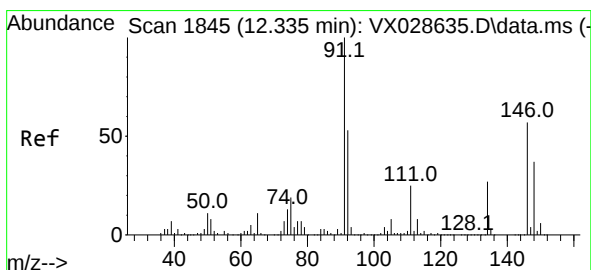
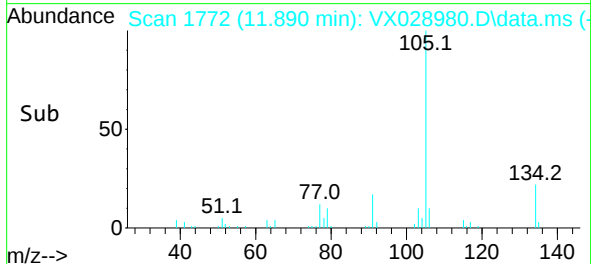
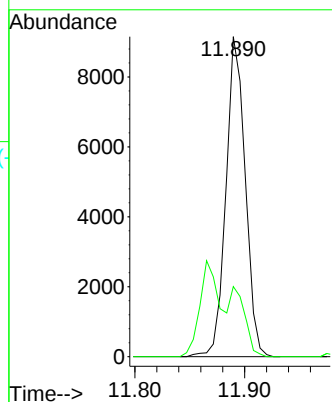
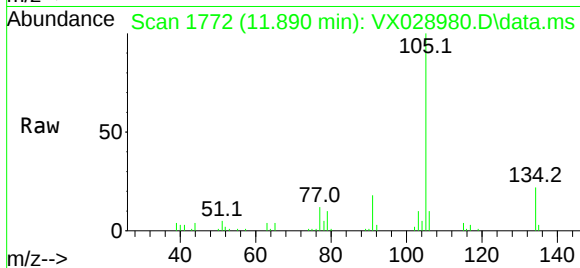




#85
 sec-Butylbenzene
 Concen: 0.560 ug/l
 RT: 11.890 min Scan# 11183
 Delta R.T. -0.000 min
 Lab File: VX028980.D
 Acq: 26 May 2022 03:52

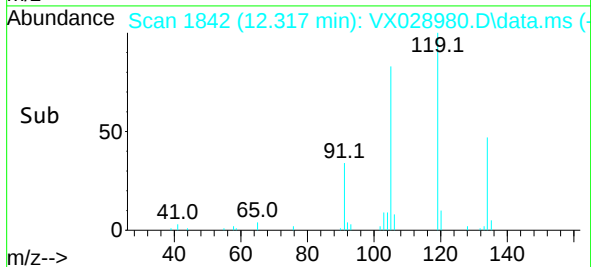
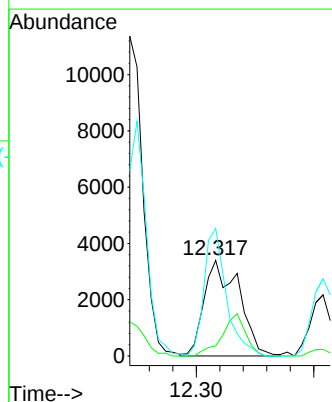
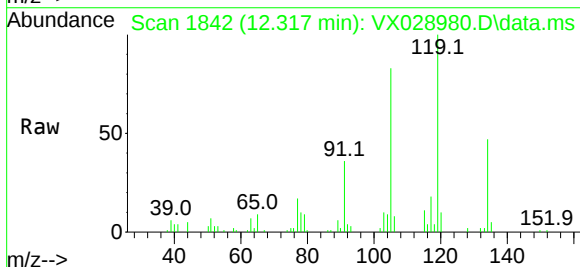
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-06

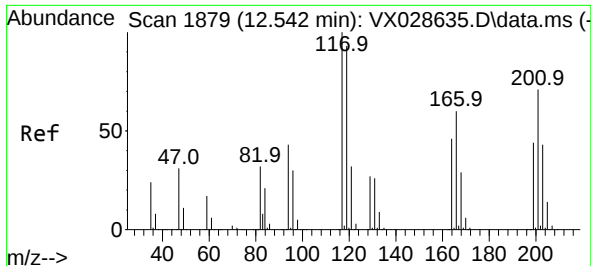
Tgt Ion:105 Resp: 11183
 Ion Ratio Lower Upper
 105 100
 134 16.3 10.2 30.4



#89
 n-Butylbenzene
 Concen: 0.482 ug/l
 RT: 12.317 min Scan# 1842
 Delta R.T. -0.018 min
 Lab File: VX028980.D
 Acq: 26 May 2022 03:52

Tgt Ion: 91 Resp: 7006
 Ion Ratio Lower Upper
 91 100
 92 29.9 27.8 83.3
 134 85.6 13.3 39.8#

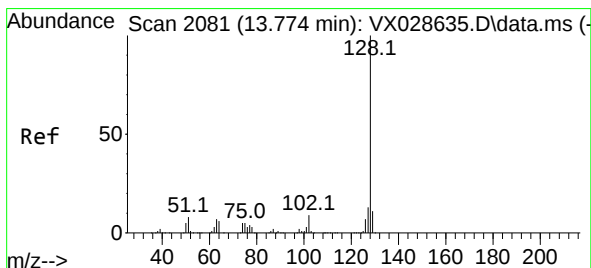
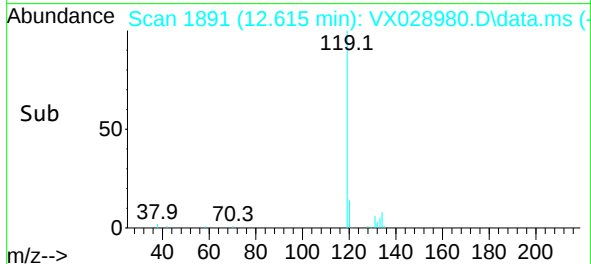
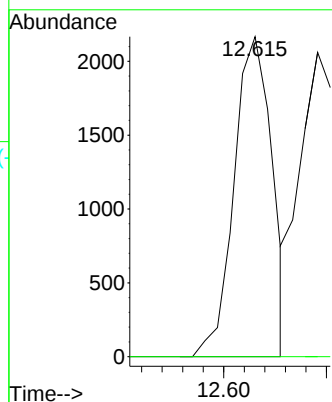
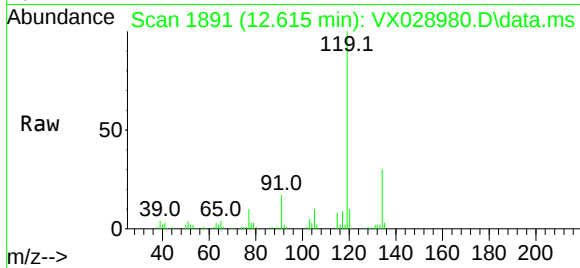




#90
Hexachloroethane
Concen: 1.033 ug/l
RT: 12.615 min Scan# 1879
Delta R.T. 0.073 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Instrument :
MSVOA_X
ClientSampleId :
MW-06

Tgt Ion:117 Resp: 2801
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#95
Naphthalene
Concen: 0.233 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX028980.D
Acq: 26 May 2022 03:52

Tgt Ion:128 Resp: 4375
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 17.1 8.7 13.1#

