

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072922\
 Data File : VX030295.D
 Acq On : 29 Jul 2022 12:15
 Operator : JC/MD
 Sample : N3861-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11R

Quant Time: Aug 01 05:11:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

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

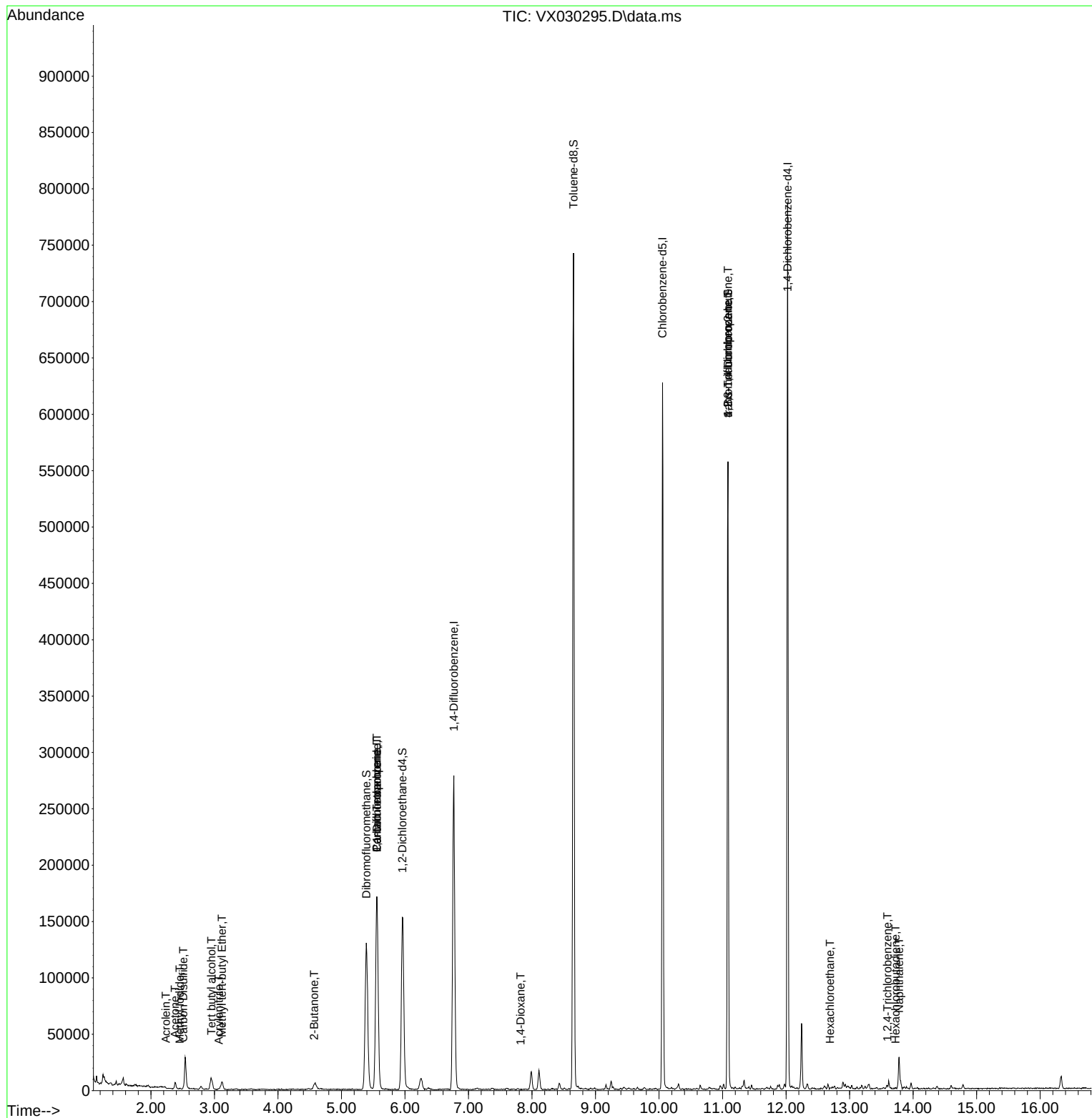
Internal Standards						
1) Pentafluorobenzene	5.556	168	158554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	275979	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	275235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	146205	45.878	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.760%		
35) Dibromofluoromethane	5.391	113	116748	44.253	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.500%		
50) Toluene-d8	8.653	98	437432	42.815	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	85.620%#		
62) 4-Bromofluorobenzene	11.085	95	153177	40.397	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	80.800%#		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	477	Below Cal		100
10) Methyl Iodide	2.453	142	744	1.817 ug/l #		88
11) Tert butyl alcohol	2.952	59	7604	9.782 ug/l #		80
13) Acrolein	2.233	56	78	0.408 ug/l #		1
15) Acrylonitrile	3.068	53	605	0.315 ug/l #		86
16) Acetone	2.379	43	6119	3.750 ug/l #		80
17) Carbon Disulfide	2.507	76	2244	0.336 ug/l #		84
19) Methyl tert-butyl Ether	3.117	73	6812	0.803 ug/l		90
20) Methylene Chloride	2.788	84	902	Below Cal #		80
25) 2-Butanone	4.568	43	752	0.274 ug/l #		48
36) 1,1-Dichloropropene	5.556	75	13464	3.546 ug/l #		48
38) Carbon Tetrachloride	5.556	117	15683	4.425 ug/l #		17
49) 1,4-Dioxane	7.817	88	25	0.279 ug/l #		25
67) Ethyl Benzene	10.201	91	781	Below Cal		97
76) 1,2,3-Trichloropropane	11.085	75	77378	19.101 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.085	75	77378	57.303 ug/l #		13
90) Hexachloroethane	12.695	117	720	0.410 ug/l #		16
93) 1,2,4-Trichlorobenzene	13.597	180	653	0.209 ug/l #		1
94) Hexachlorobutadiene	13.725	225	303	0.242 ug/l #		69
95) Naphthalene	13.780	128	16752	1.376 ug/l #		93

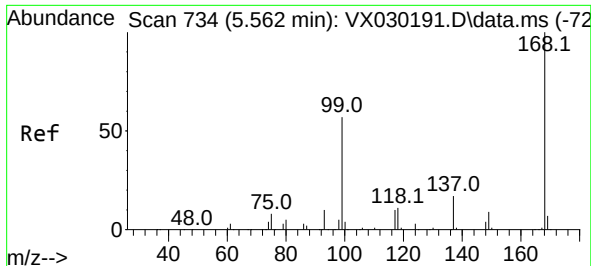
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 01 05:11:06 2022
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Quant Title : SW846 8260
QLast Update : Mon Jul 25 16:49:17 2022
Response via : Initial Calibration

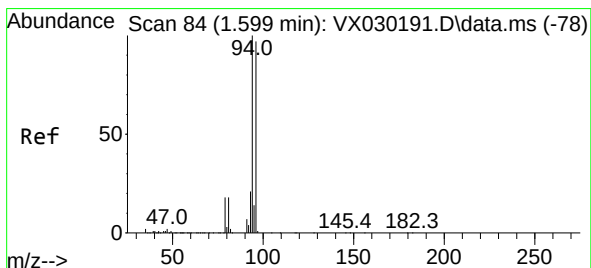
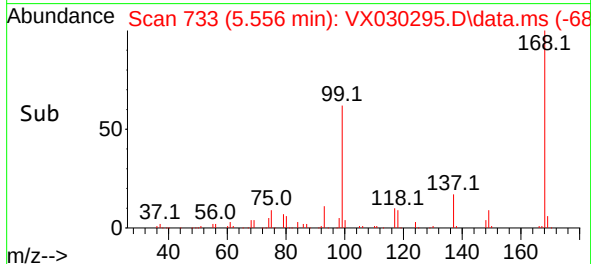
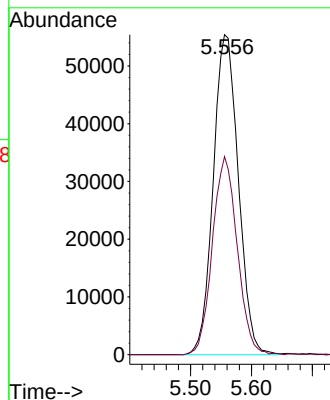
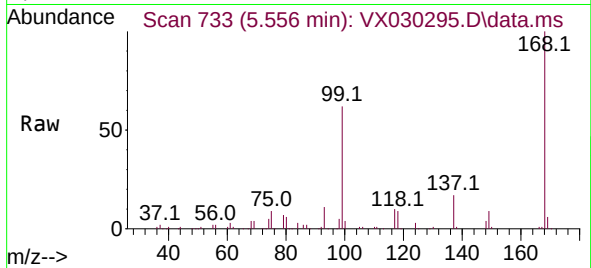




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

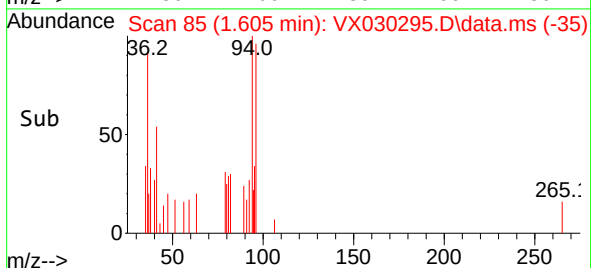
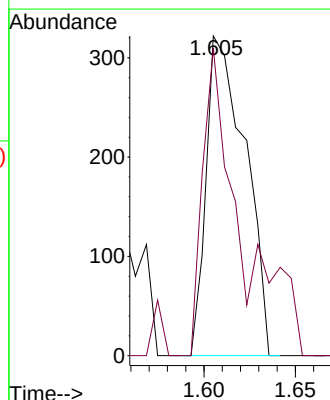
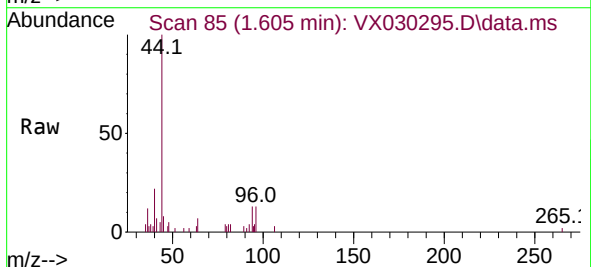
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

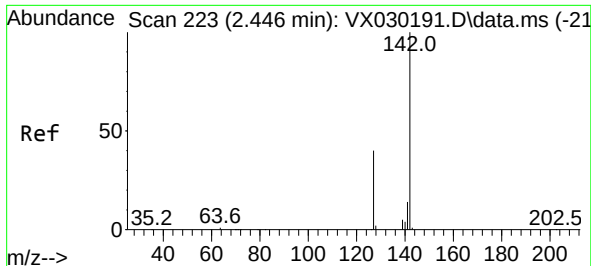
Tgt Ion:168 Resp: 158554
Ion Ratio Lower Upper
168 100
99 61.9 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion: 94 Resp: 477
Ion Ratio Lower Upper
94 100
96 96.3 76.9 115.3

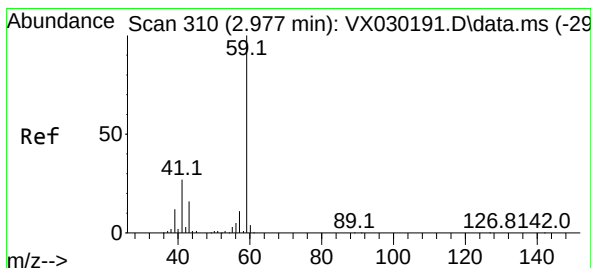
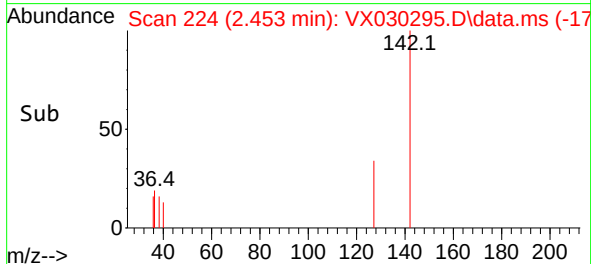
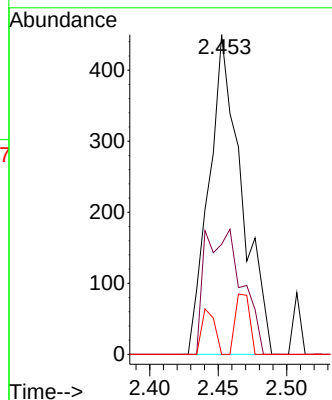
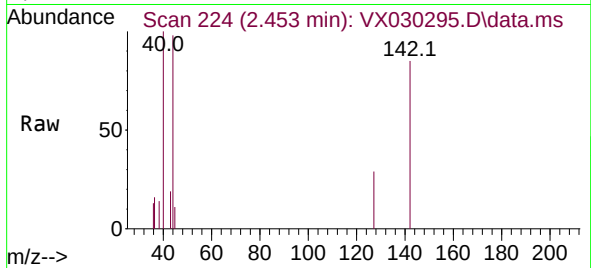




#10
Methyl Iodide
Concen: 1.817 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

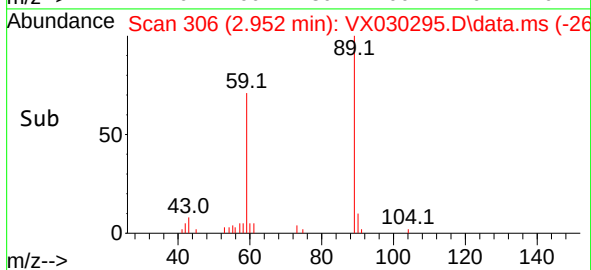
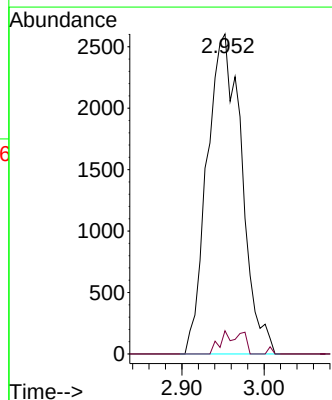
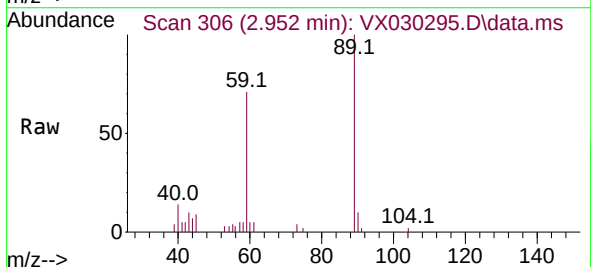
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

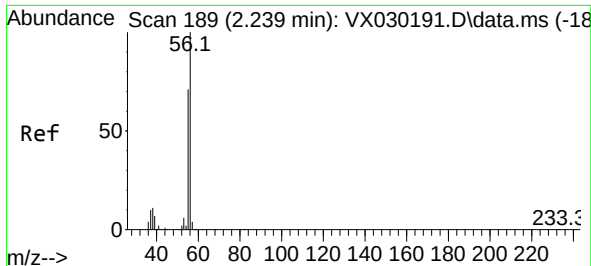
Tgt Ion:142 Resp: 744
Ion Ratio Lower Upper
142 100
127 44.4 30.2 45.2
141 8.2 11.3 16.9#



#11
Tert butyl alcohol
Concen: 9.782 ug/l
RT: 2.952 min Scan# 306
Delta R.T. -0.025 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion: 59 Resp: 7604
Ion Ratio Lower Upper
59 100
57 2.2 7.4 11.2#

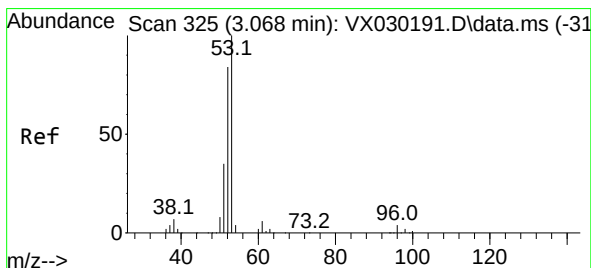
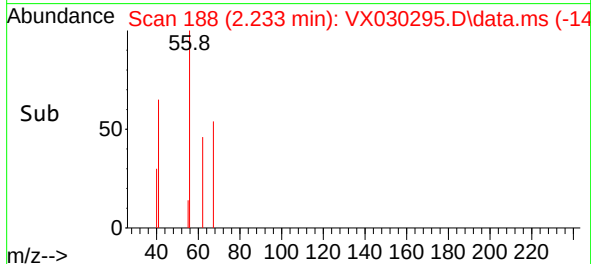
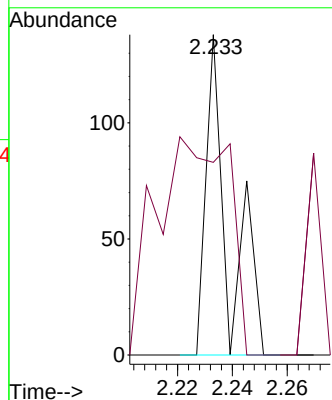
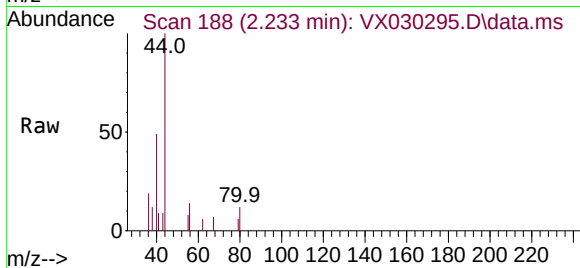




#13
Acrolein
Concen: 0.408 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

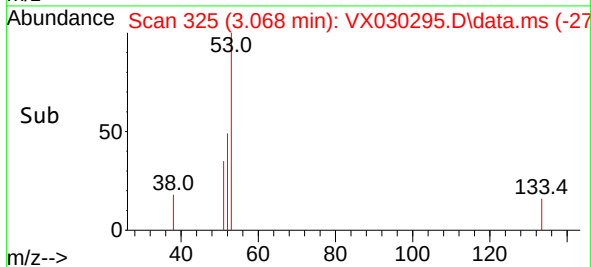
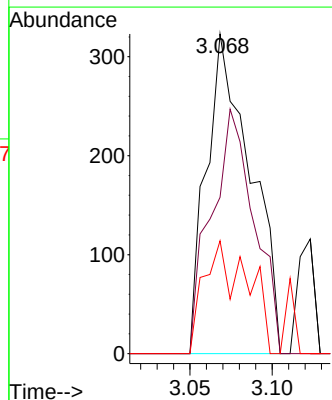
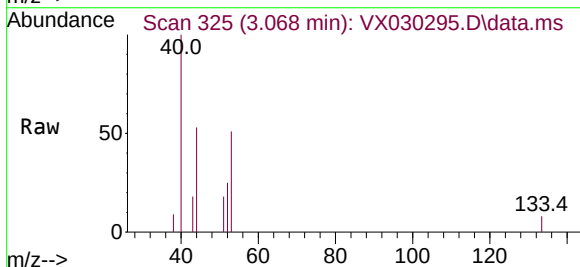
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

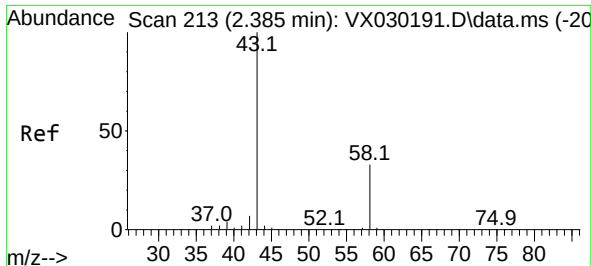
Tgt Ion: 56 Resp: 78
Ion Ratio Lower Upper
56 100
55 224.4 56.6 84.8#



#15
Acrylonitrile
Concen: 0.315 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion: 53 Resp: 605
Ion Ratio Lower Upper
53 100
52 74.2 65.4 98.0
51 19.7 27.7 41.5#

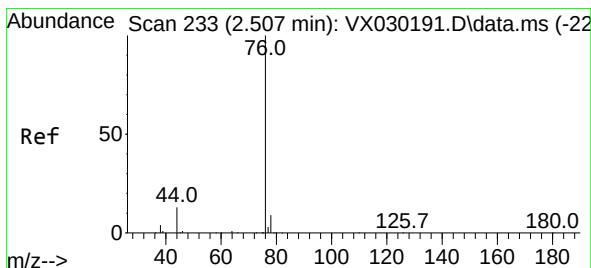
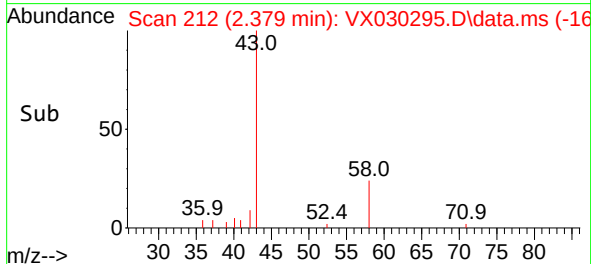
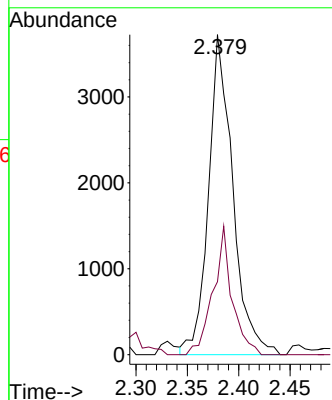
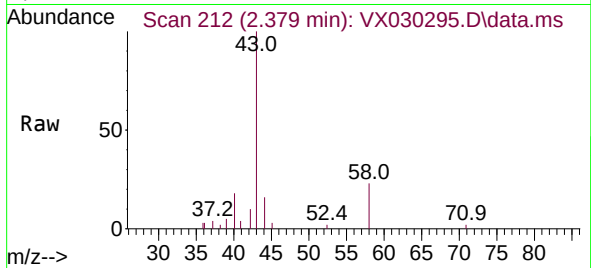




#16
Acetone
Concen: 3.750 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

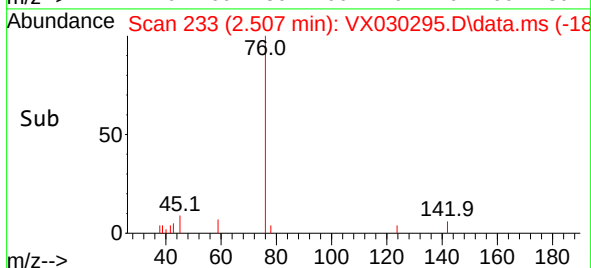
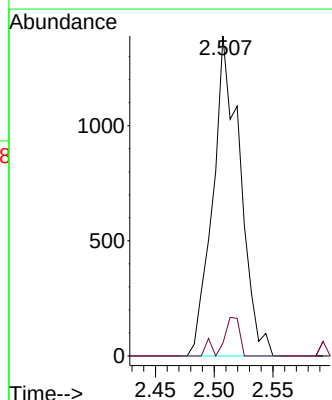
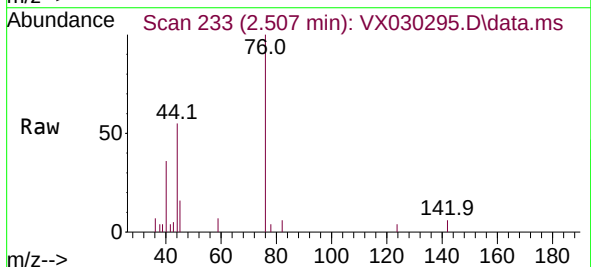
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

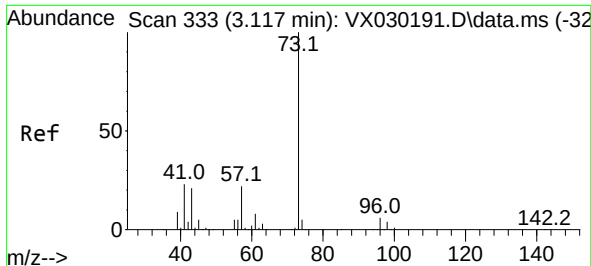
Tgt Ion: 43 Resp: 6119
Ion Ratio Lower Upper
43 100
58 22.8 27.7 41.5#



#17
Carbon Disulfide
Concen: 0.336 ug/l
RT: 2.507 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion: 76 Resp: 2244
Ion Ratio Lower Upper
76 100
78 4.0 7.8 11.6#

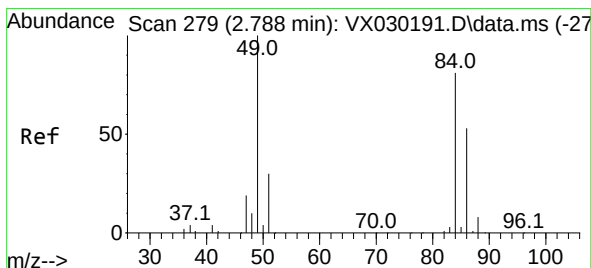
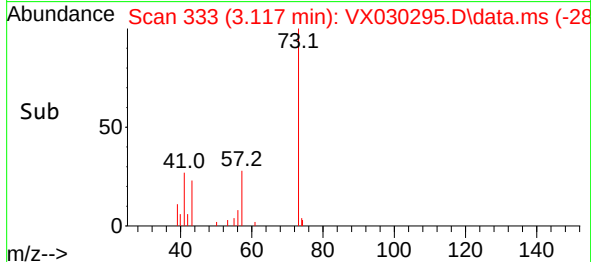
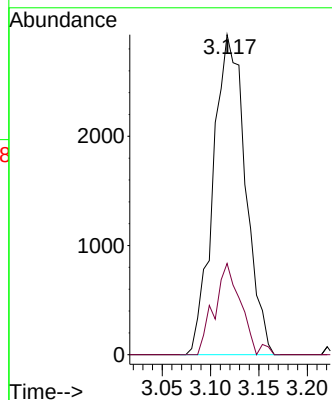
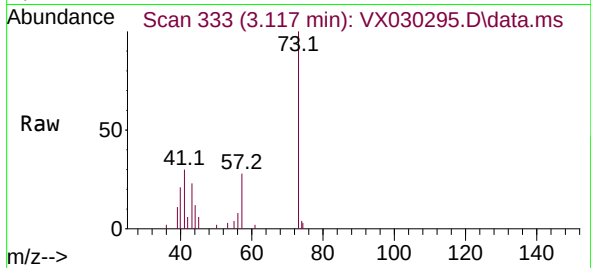




#19
Methyl tert-butyl Ether
Concen: 0.803 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

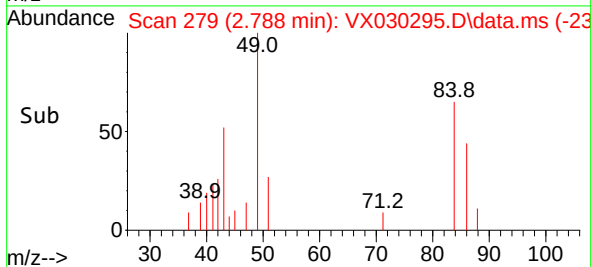
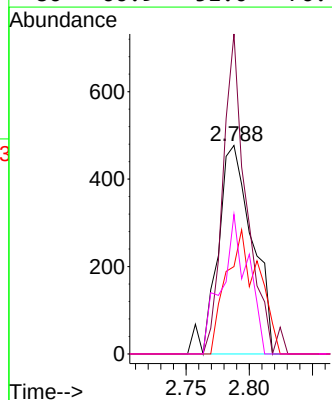
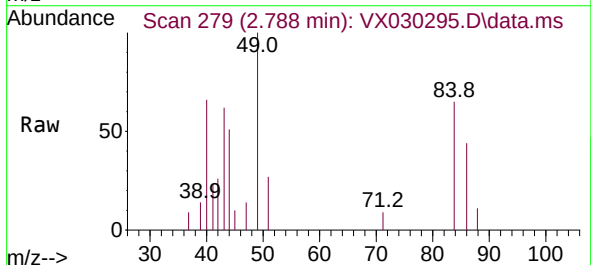
Instrument :
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ClientSampleId :
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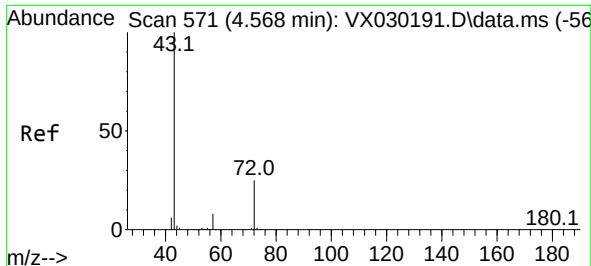
Tgt Ion: 73 Resp: 6812
Ion Ratio Lower Upper
73 100
57 28.5 19.0 28.6



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion: 84 Resp: 902
Ion Ratio Lower Upper
84 100
49 153.5 93.8 140.6#
51 41.9 29.4 44.0
86 66.9 51.0 76.4

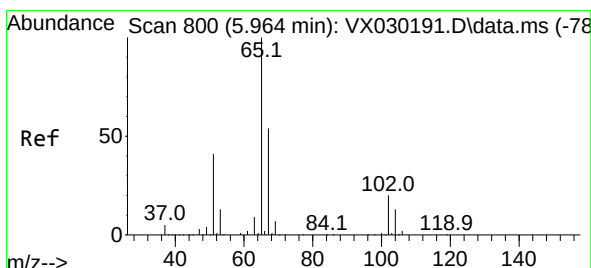
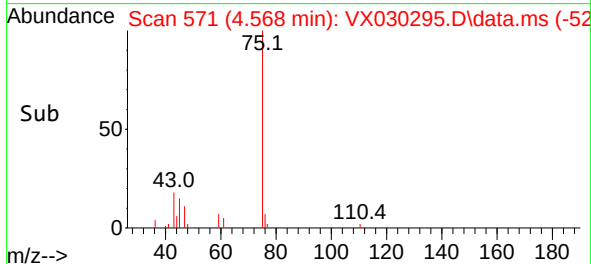
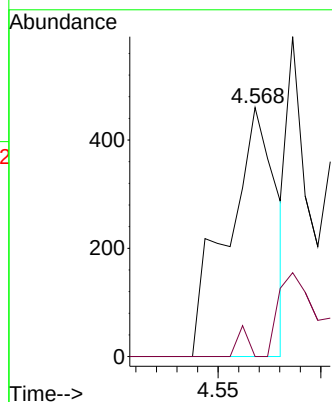
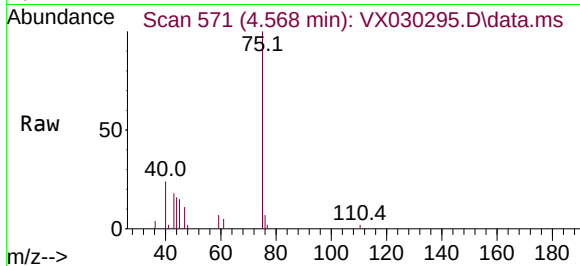




#25
2-Butanone
Concen: 0.274 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

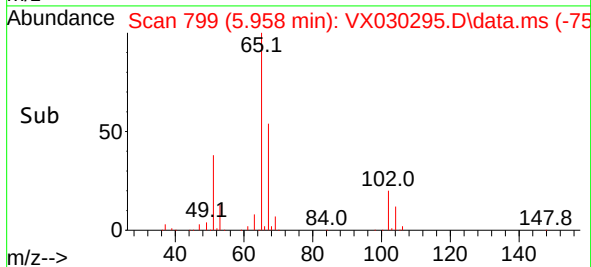
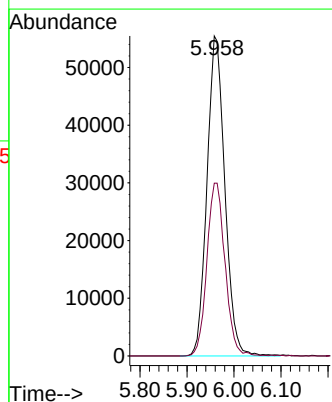
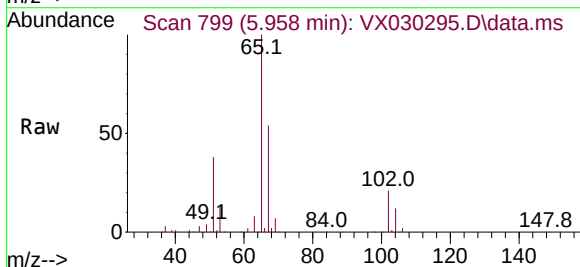
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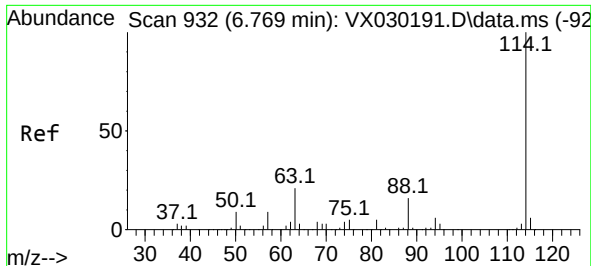
Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
72 0.0 21.7 32.5#



#33
1,2-Dichloroethane-d4
Concen: 45.878 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion: 65 Resp: 146205
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.6

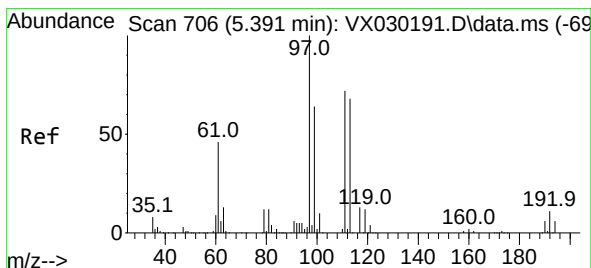
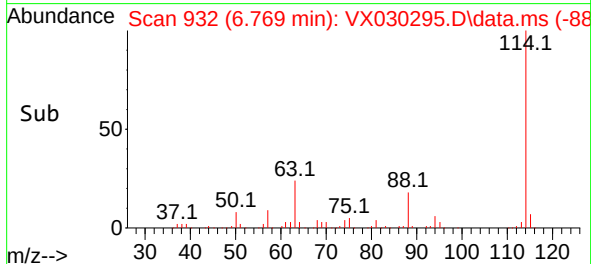
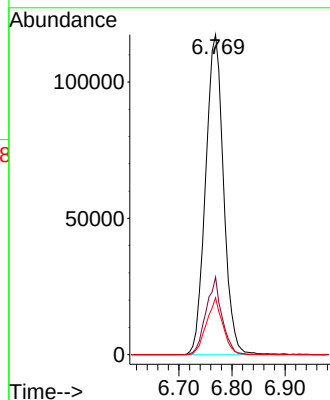
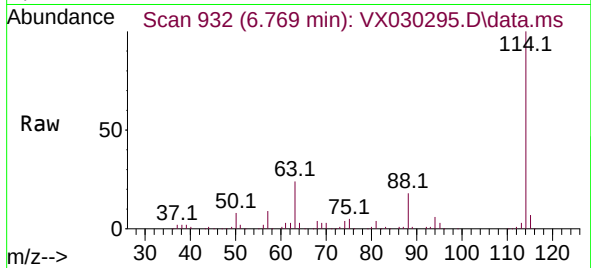




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

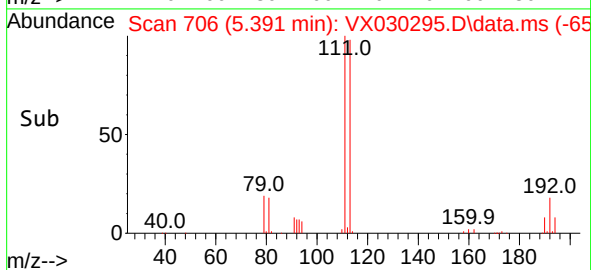
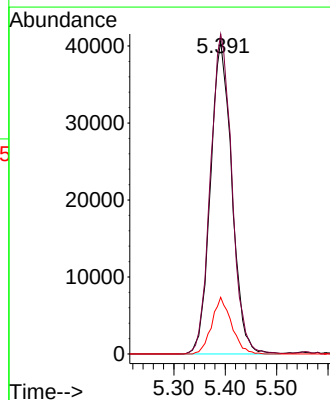
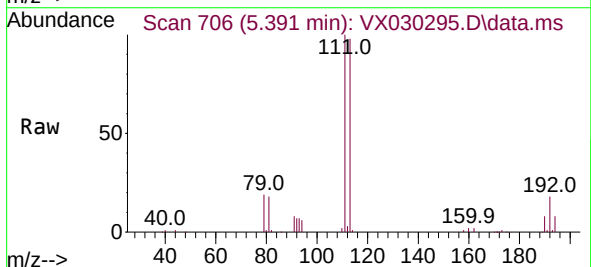
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

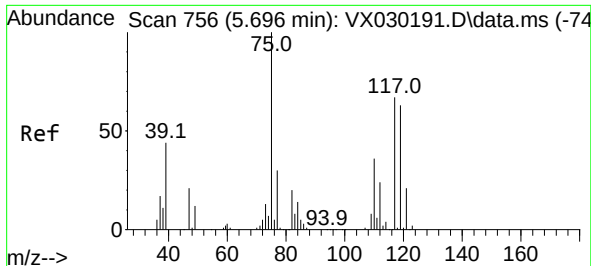
Tgt Ion:114 Resp: 275979
Ion Ratio Lower Upper
114 100
63 24.3 0.0 38.4
88 17.8 0.0 31.8



#35
Dibromofluoromethane
Concen: 44.253 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion:113 Resp: 116748
Ion Ratio Lower Upper
113 100
111 103.2 83.2 124.8
192 16.8 14.8 22.2

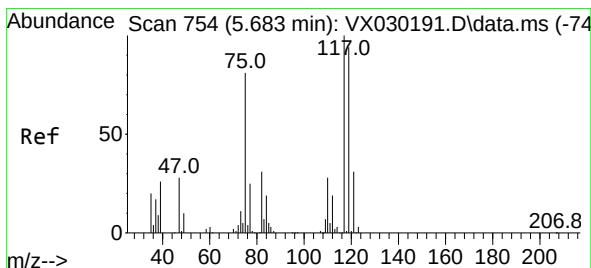
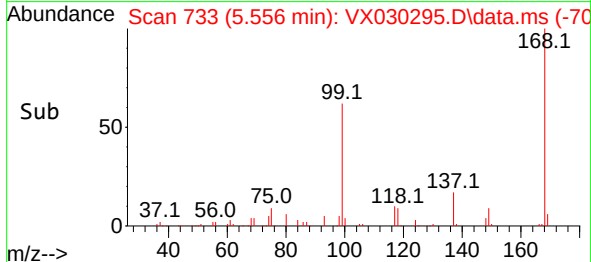
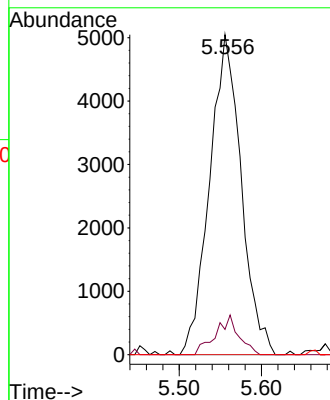
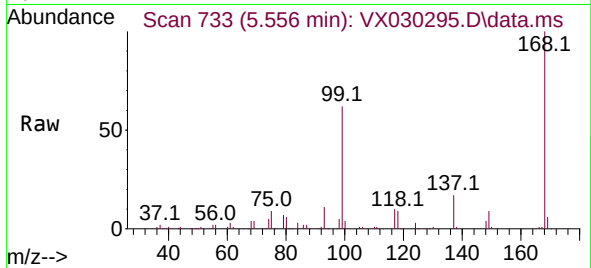




#36
1,1-Dichloropropene
Concen: 3.546 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

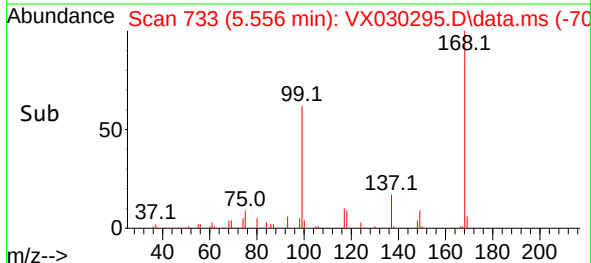
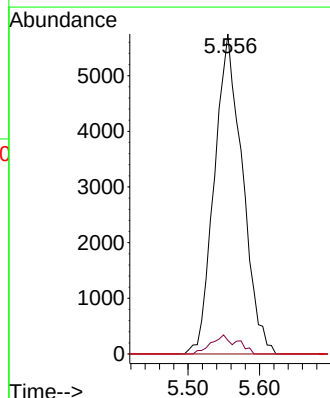
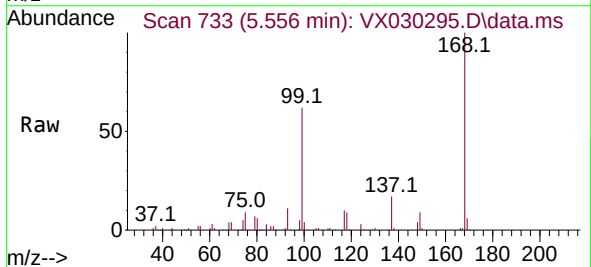
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

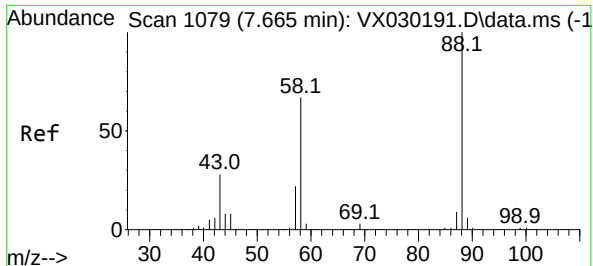
Tgt Ion: 75 Resp: 13464
Ion Ratio Lower Upper
75 100
110 9.1 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.425 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.127 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion: 117 Resp: 15683
Ion Ratio Lower Upper
117 100
119 4.3 74.1 111.1#
121 0.0 25.8 38.8#





#49

1,4-Dioxane

Concen: 0.279 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. 0.152 min

Lab File: VX030295.D

Acq: 29 Jul 2022 12:15

Instrument :

MSVOA_X

ClientSampleId :

MW-11R

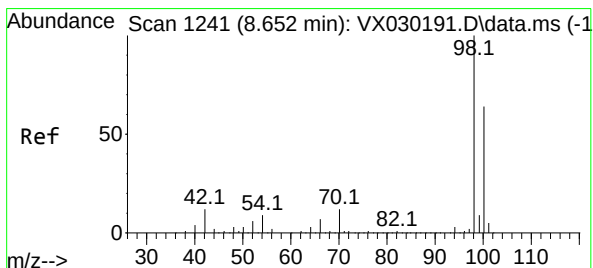
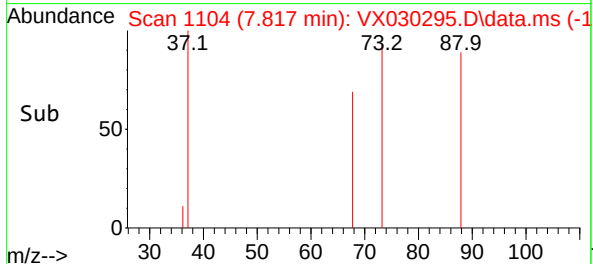
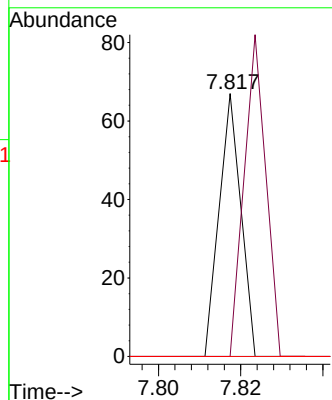
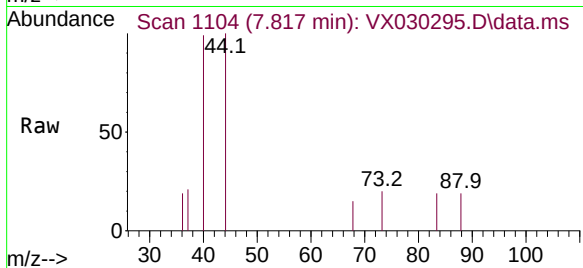
Tgt Ion: 88 Resp: 25

Ion Ratio Lower Upper

88 100

43 0.0 23.8 35.8#

58 0.0 53.8 80.6#



#50

Toluene-d8

Concen: 42.815 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030295.D

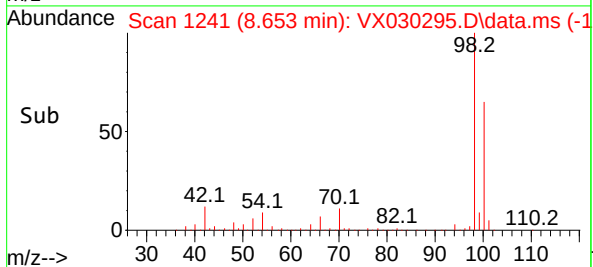
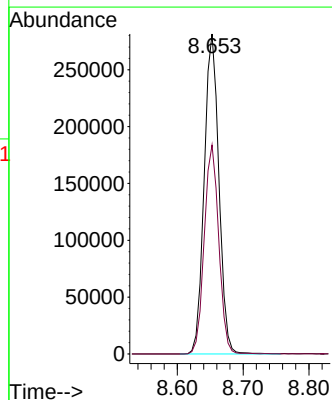
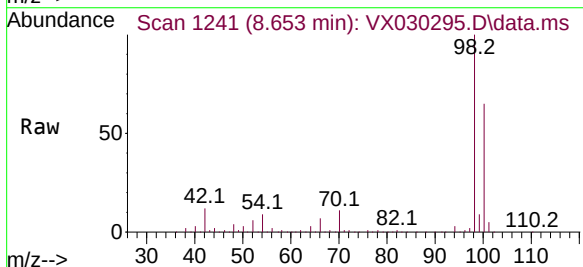
Acq: 29 Jul 2022 12:15

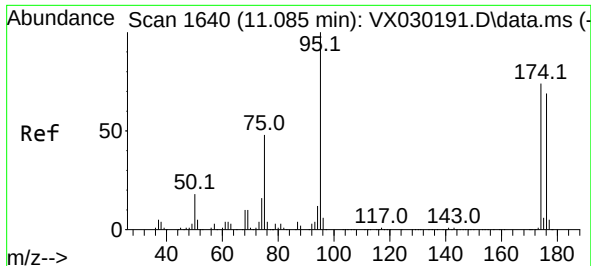
Tgt Ion: 98 Resp: 437432

Ion Ratio Lower Upper

98 100

100 64.5 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 40.397 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030295.D

Acq: 29 Jul 2022 12:15

Instrument :

MSVOA_X

ClientSampleId :

MW-11R

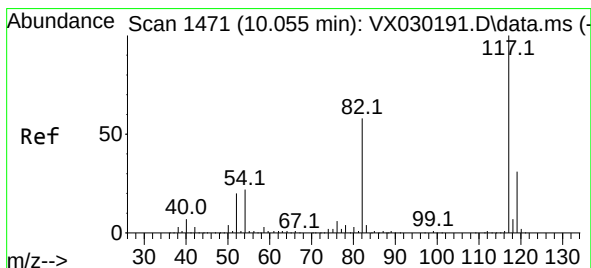
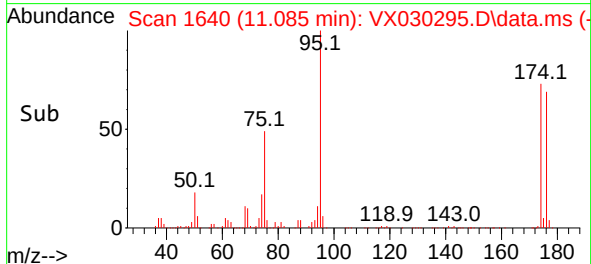
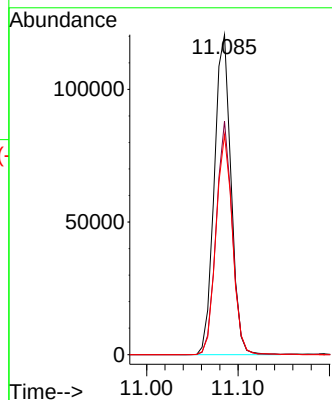
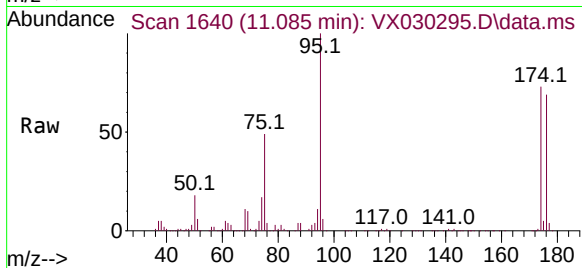
Tgt Ion: 95 Resp: 153177

Ion Ratio Lower Upper

95 100

174 70.2 0.0 149.0

176 67.9 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX030295.D

Acq: 29 Jul 2022 12:15

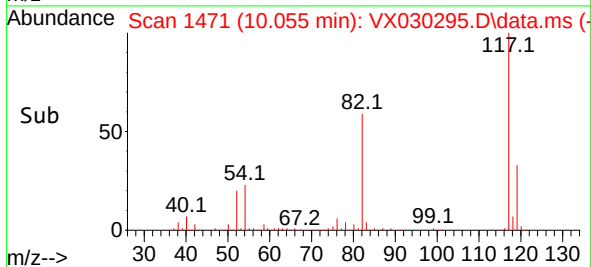
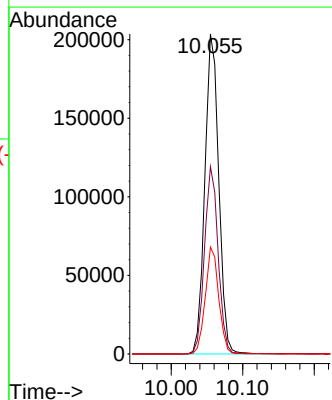
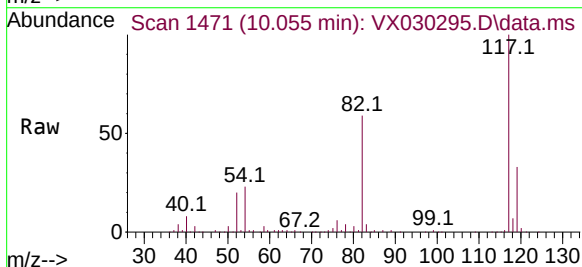
Tgt Ion: 117 Resp: 275235

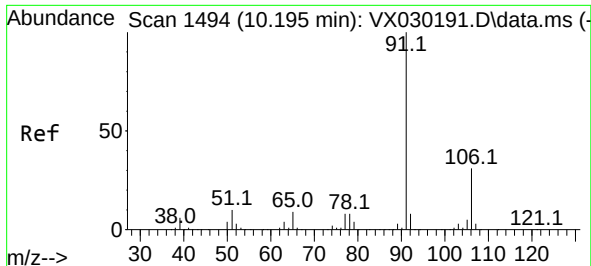
Ion Ratio Lower Upper

117 100

82 58.5 42.7 64.1

119 33.4 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX030295.D

Acq: 29 Jul 2022 12:15

Instrument :

MSVOA_X

ClientSampleId :

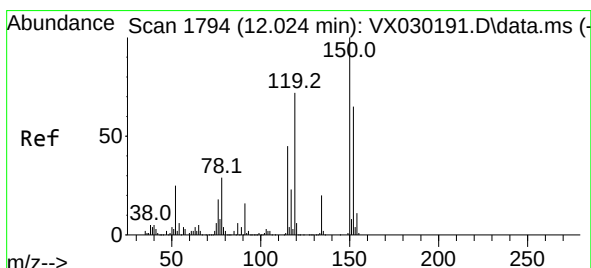
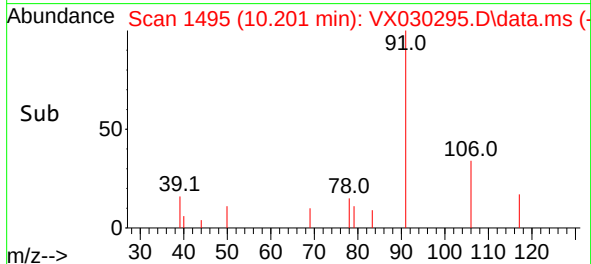
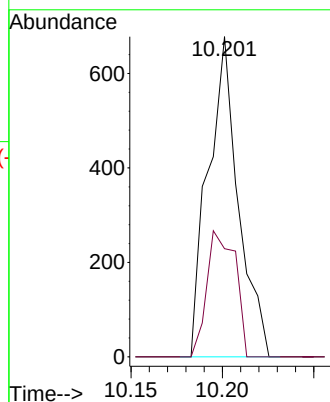
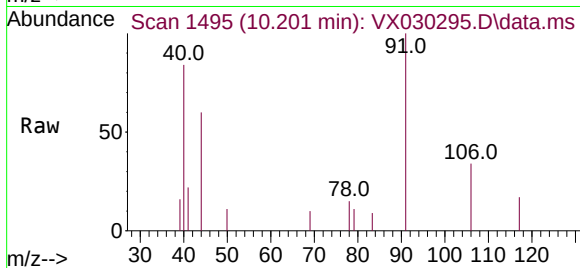
MW-11R

Tgt Ion: 91 Resp: 781

Ion Ratio Lower Upper

91 100

106 33.8 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX030295.D

Acq: 29 Jul 2022 12:15

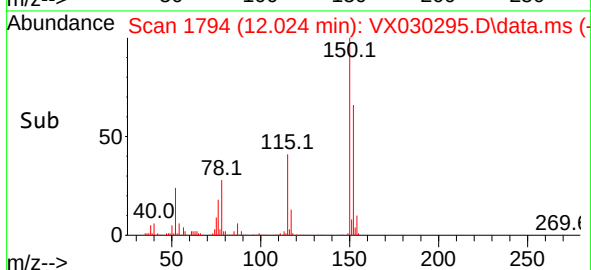
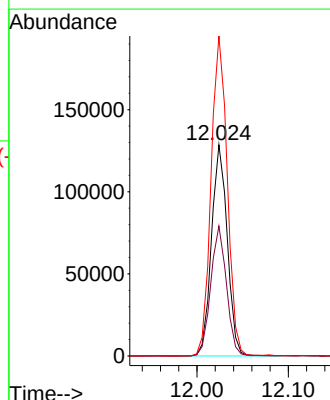
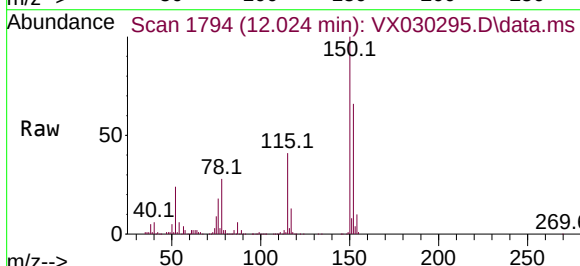
Tgt Ion: 152 Resp: 153680

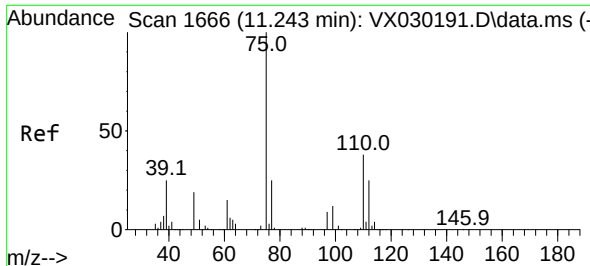
Ion Ratio Lower Upper

152 100

115 61.3 40.5 121.5

150 155.5 0.0 347.0

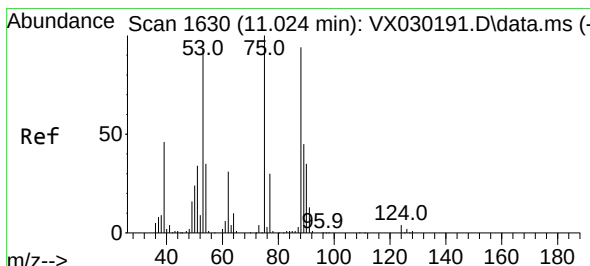
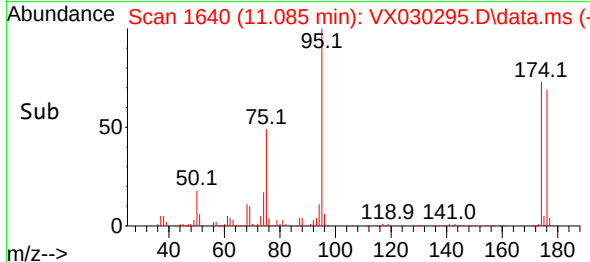
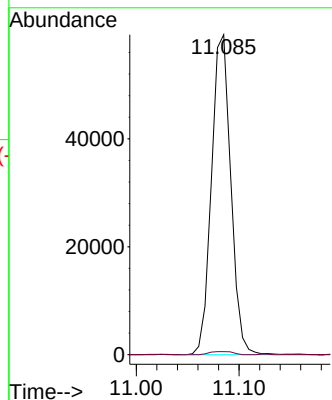
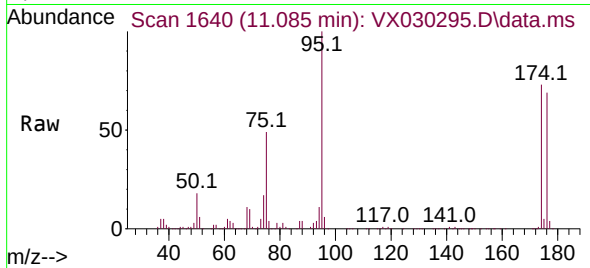




#76
1,2,3-Trichloropropane
Concen: 19.101 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

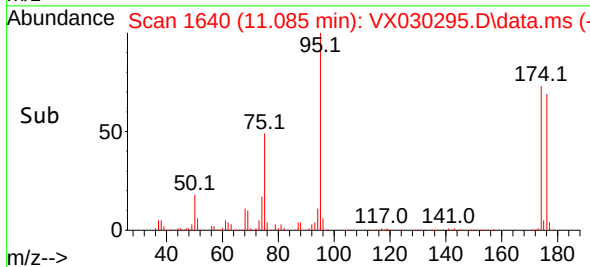
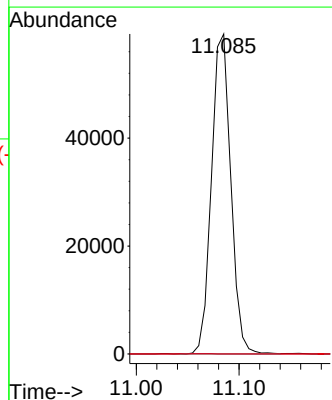
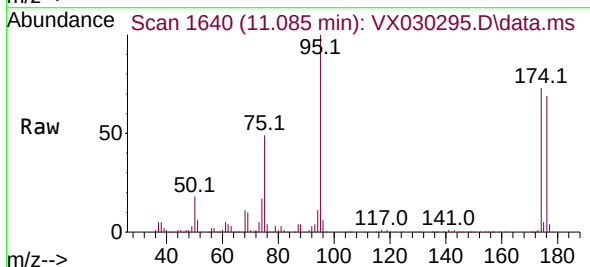
Instrument :
MSVOA_X
ClientSampleId :
MW-11R

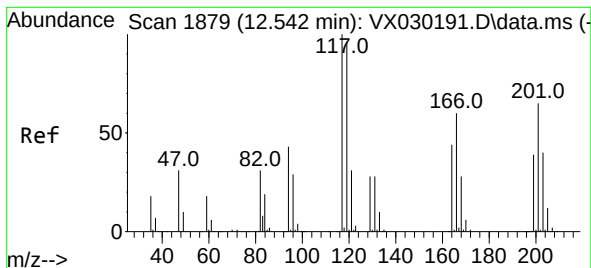
Tgt Ion: 75 Resp: 77378
Ion Ratio Lower Upper
75 100
77 1.2 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.303 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion: 75 Resp: 77378
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.8 52.2#





#90

Hexachloroethane

Concen: 0.410 ug/l

RT: 12.695 min Scan# 1904

Delta R.T. 0.153 min

Lab File: VX030295.D

Acq: 29 Jul 2022 12:15

Instrument :

MSVOA_X

ClientSampleId :

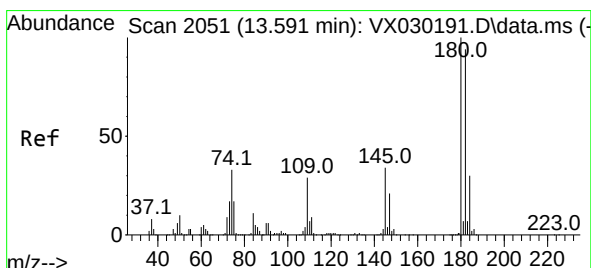
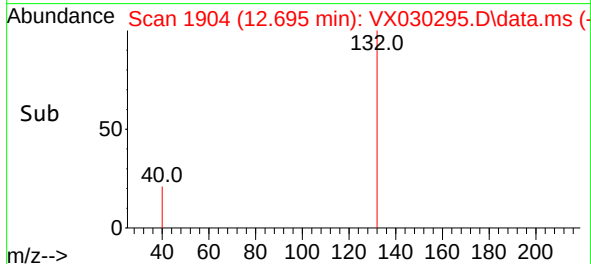
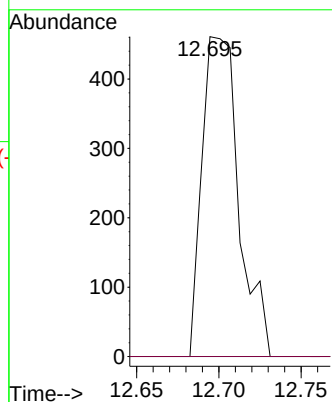
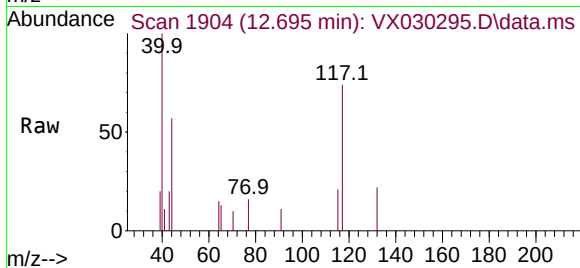
MW-11R

Tgt Ion:117 Resp: 720

Ion Ratio Lower Upper

117 100

201 0.0 34.2 102.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.209 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.006 min

Lab File: VX030295.D

Acq: 29 Jul 2022 12:15

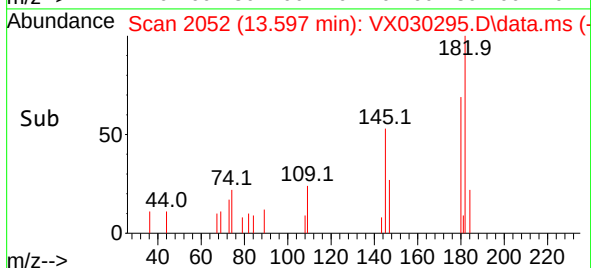
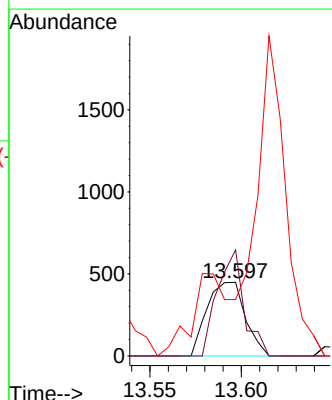
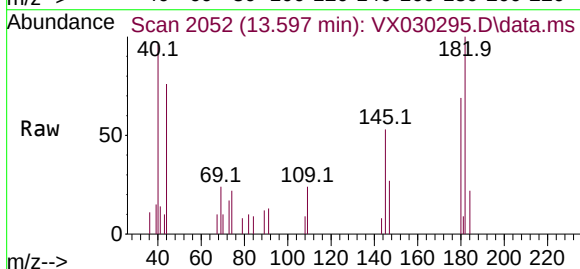
Tgt Ion:180 Resp: 653

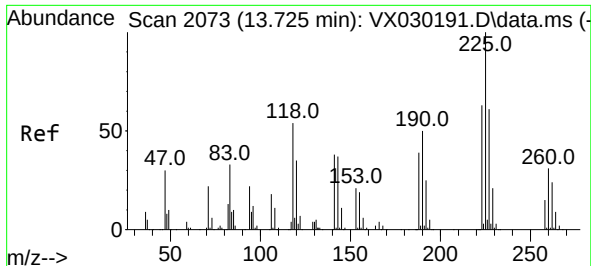
Ion Ratio Lower Upper

180 100

182 100.6 48.2 144.6

145 344.3 15.9 47.6#

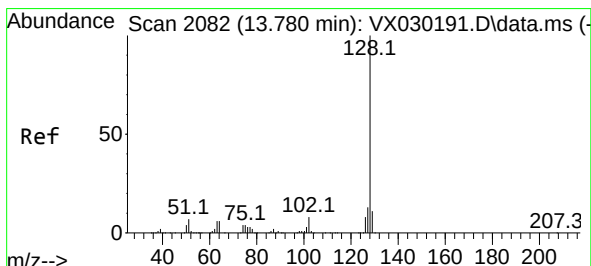
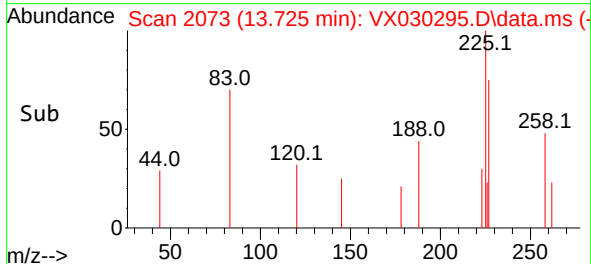
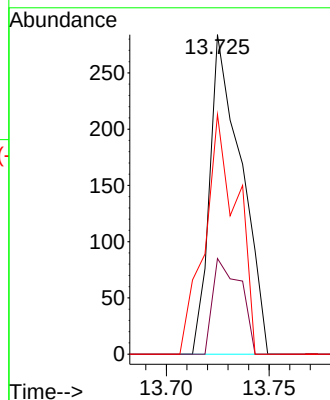
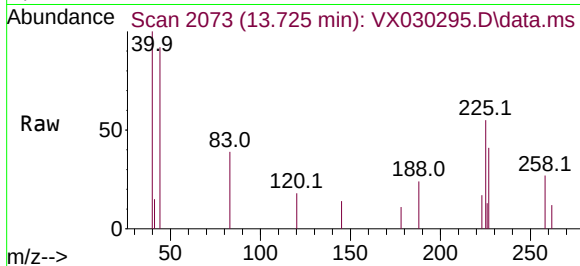




#94
Hexachlorobutadiene
Concen: 0.242 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Instrument :
MSVOA_X
ClientSampleId :
MW-11R

Tgt Ion:225	Resp:	303
Ion Ratio	Lower	Upper
225	100	
223	26.1	30.6 91.6#
227	77.6	31.9 95.9



#95
Naphthalene
Concen: 1.376 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX030295.D
Acq: 29 Jul 2022 12:15

Tgt Ion:128	Resp:	16752
Ion Ratio	Lower	Upper
128	100	
127	14.5	10.2 15.2
129	14.9	8.6 13.0#

