

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062921\
 Data File : VX023009.D
 Acq On : 29 Jun 2021 17:29
 Operator : JC/MD
 Sample : M2875-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-9

Quant Time: Jun 30 01:45:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

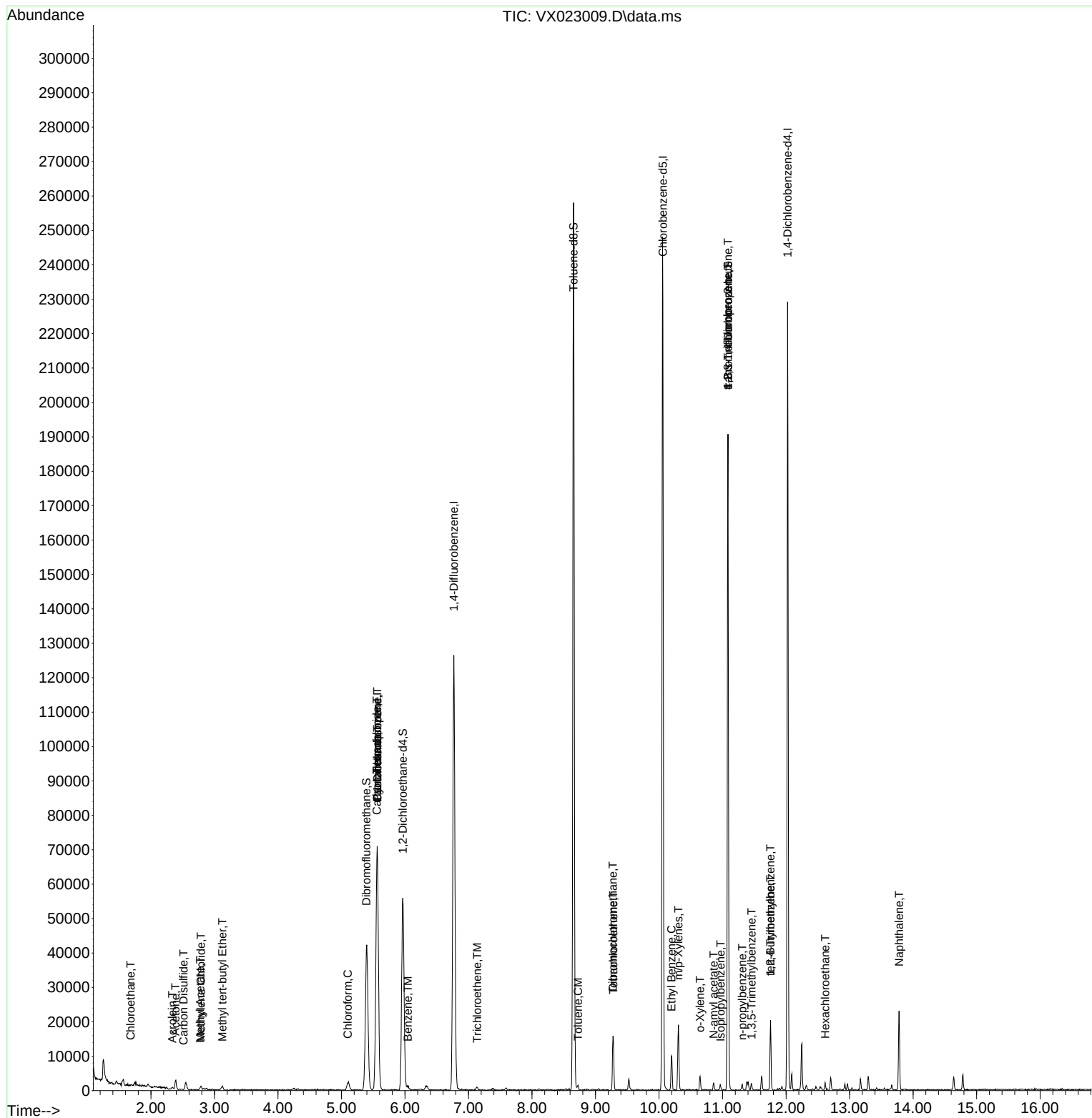
Internal Standards						
1) Pentafluorobenzene	5.562	168	55664	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	116395	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	100428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	38747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52928	52.394	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	104.780%
35) Dibromofluoromethane	5.391	113	35306	47.767	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.540%
50) Toluene-d8	8.653	98	140952	48.658	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.320%
62) 4-Bromofluorobenzene	11.085	95	48902	45.233	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.460%
Target Compounds						
					Qvalue	
6) Chloroethane	1.678	64	217	0.441	ug/l	# 43
13) Acrolein	2.337	56	48	0.367	ug/l	# 14
16) Acetone	2.386	43	3071	6.857	ug/l	90
17) Carbon Disulfide	2.514	76	53	3.541	ug/l	# 75
18) Methyl Acetate	2.776	43	544	0.494	ug/l	# 47
19) Methyl tert-butyl Ether	3.123	73	750	0.290	ug/l	# 80
20) Methylene Chloride	2.788	84	157	0.548	ug/l	# 79
30) Chloroform	5.098	83	2720	1.774	ug/l	98
31) Cyclohexane	5.562	56	1969	1.381	ug/l	# 29
36) 1,1-Dichloropropene	5.562	75	5885	4.760	ug/l	# 47
38) Carbon Tetrachloride	5.556	117	6847	6.603	ug/l	# 14
40) Benzene	6.043	78	1146	0.321	ug/l	# 88
44) Trichloroethene	7.135	130	363	0.429	ug/l	55
52) Toluene	8.726	92	490	0.227	ug/l	86
60) Dibromochloromethane	9.275	129	2845	6.764	ug/l	# 11
64) Tetrachloroethene	9.281	164	2434	3.449	ug/l	# 81
67) Ethyl Benzene	10.195	91	5908	1.517	ug/l	95
68) m/p-Xylenes	10.305	106	4106	2.839	ug/l	90
69) o-Xylene	10.646	106	854	0.607	ug/l	86
73) Isopropylbenzene	10.969	105	1002	0.306	ug/l	80
74) N-amyl acetate	10.860	43	360	2.241	ug/l	# 20
76) 1,2,3-Trichloropropane	11.085	75	27913	27.273	ug/l	# 39
78) n-propylbenzene	11.311	91	1295	0.326	ug/l	95
80) 1,3,5-Trimethylbenzene	11.457	105	1105	0.410	ug/l	84
81) trans-1,4-Dichloro-2-b...	11.085	75	27913	70.584	ug/l	# 12
83) tert-Butylbenzene	11.756	119	1011	0.398	ug/l	# 40
84) 1,2,4-Trimethylbenzene	11.756	105	8461	3.123	ug/l	93
90) Hexachloroethane	12.615	117	128	3.946	ug/l	# 9
95) Naphthalene	13.780	128	13365	5.991	ug/l	99

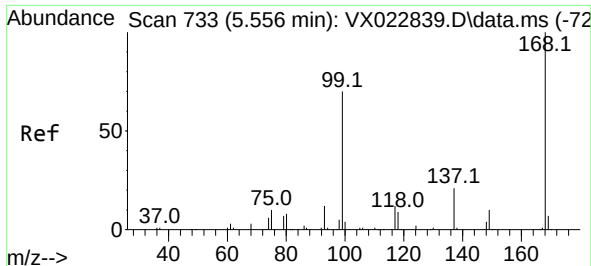
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

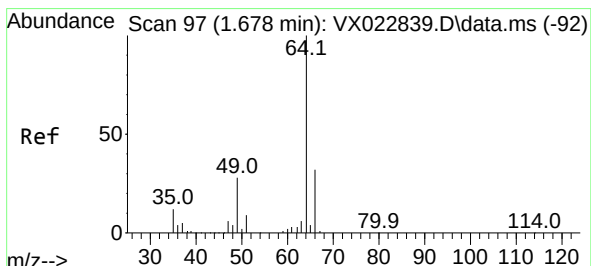
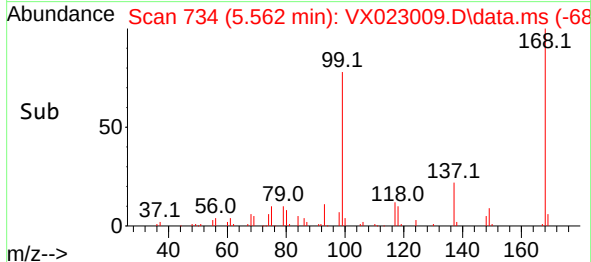
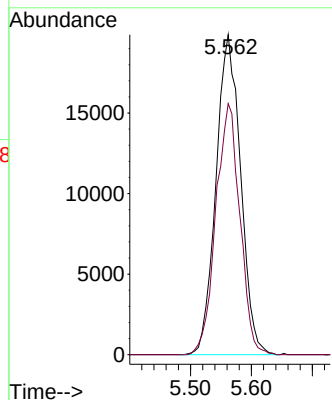
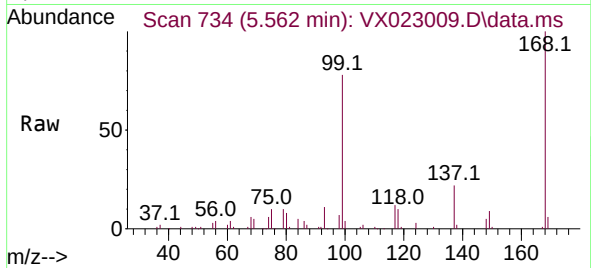




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

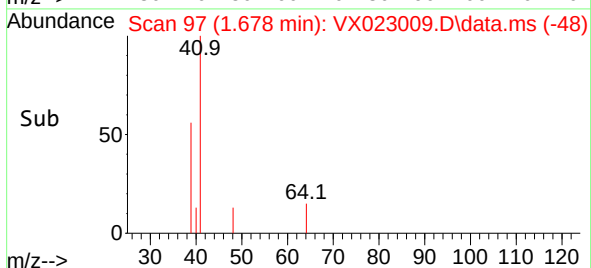
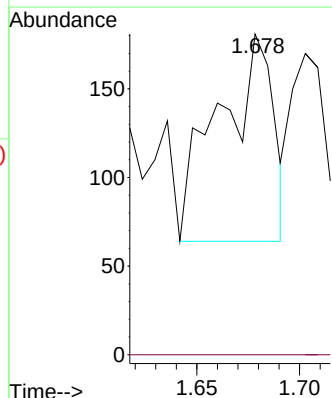
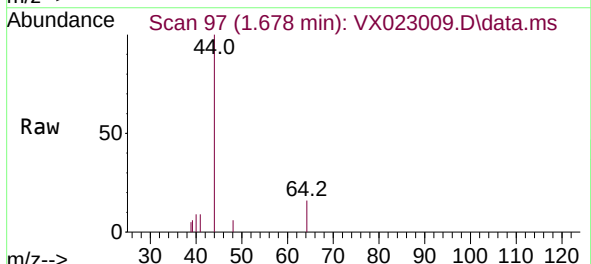
Instrument :
MSVOA_X
ClientSampled :
MW-9

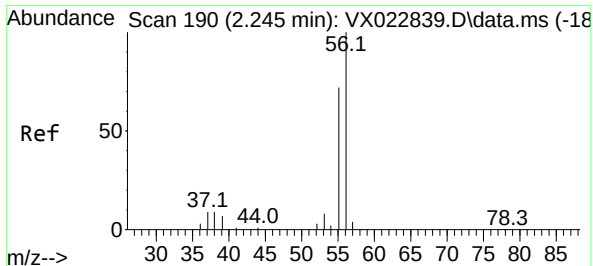
Tgt Ion:168 Resp: 55664
Ion Ratio Lower Upper
168 100
99 78.4 45.8 68.6#



#6
Chloroethane
Concen: 0.441 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

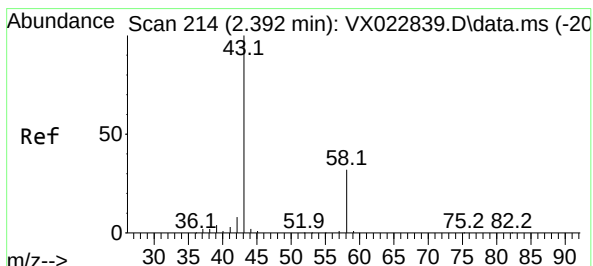
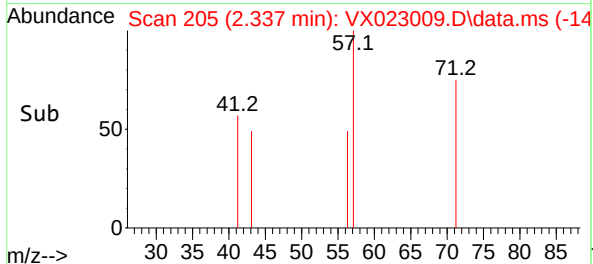
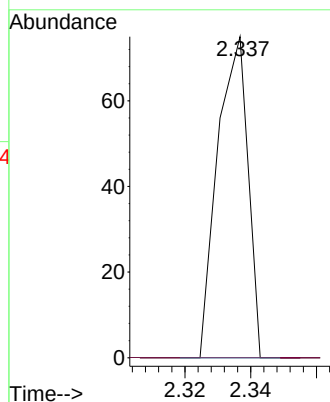
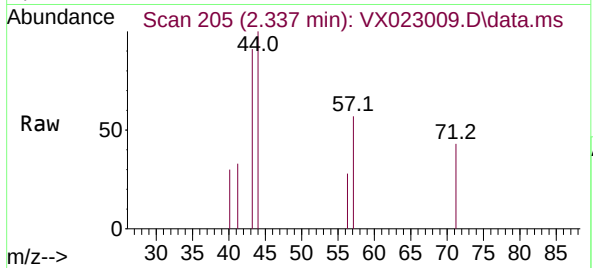




#13
Acrolein
Concen: 0.367 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.092 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

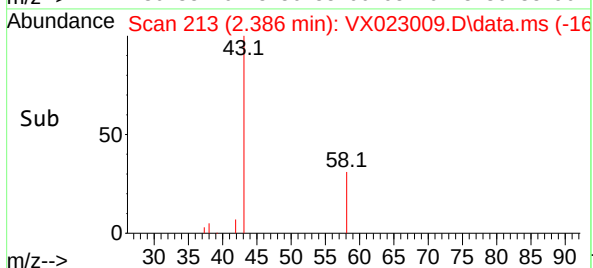
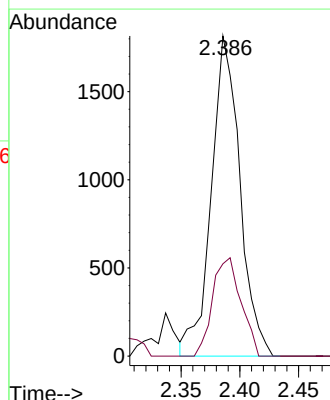
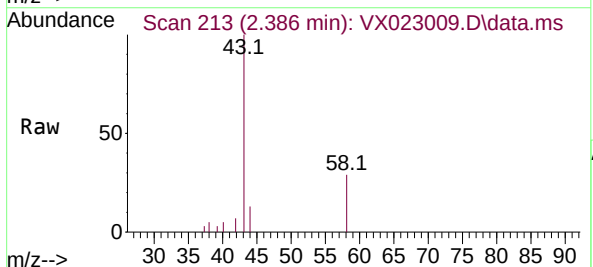
Instrument :
MSVOA_X
ClientSampled :
MW-9

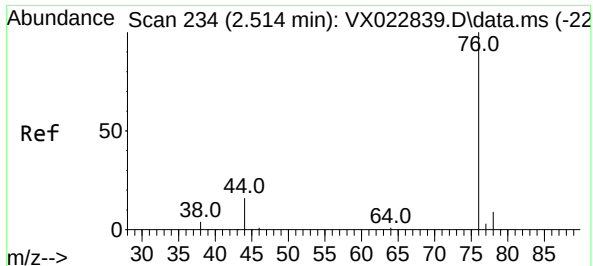
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 6.857 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 43 Resp: 3071
Ion Ratio Lower Upper
43 100
58 28.8 27.8 41.8

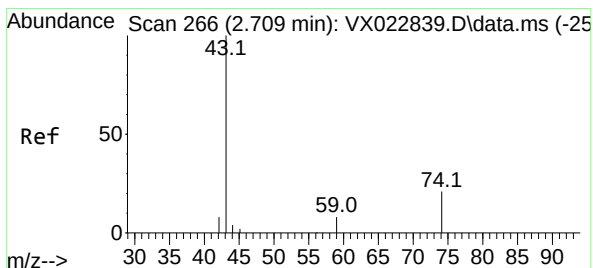
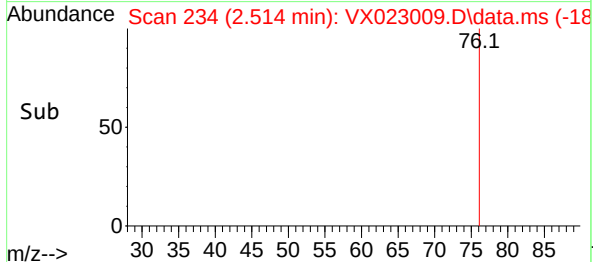
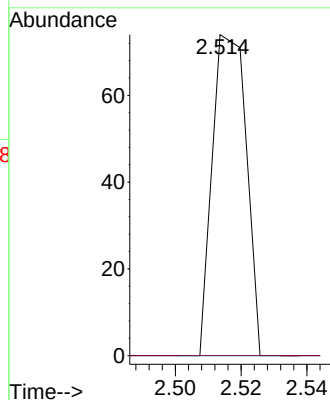
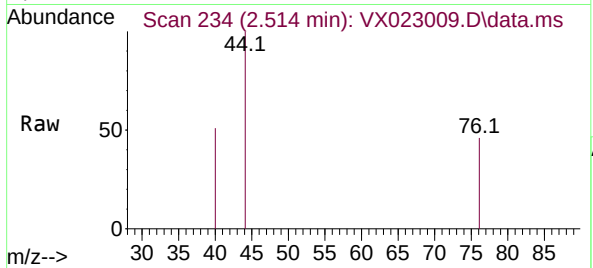




#17
Carbon Disulfide
Concen: 3.541 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

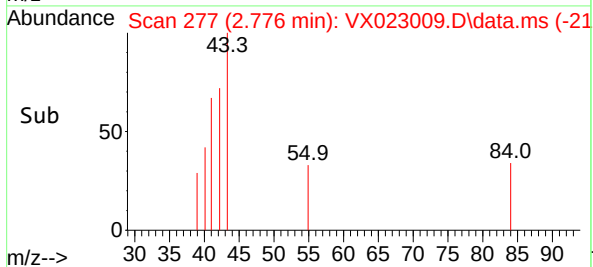
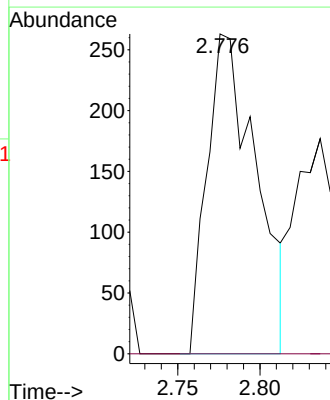
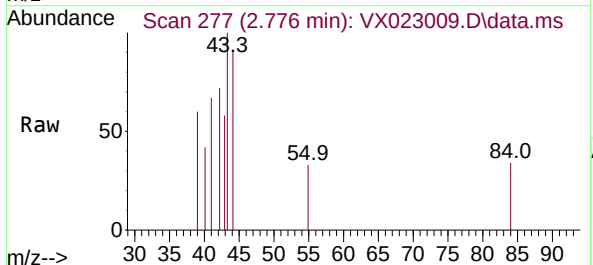
Instrument :
MSVOA_X
ClientSampled :
MW-9

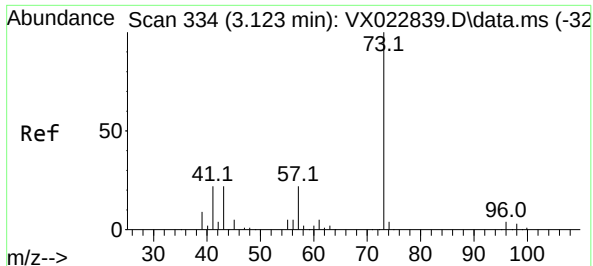
Tgt Ion: 76 Resp: 53
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.494 ug/l
RT: 2.776 min Scan# 277
Delta R.T. 0.067 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

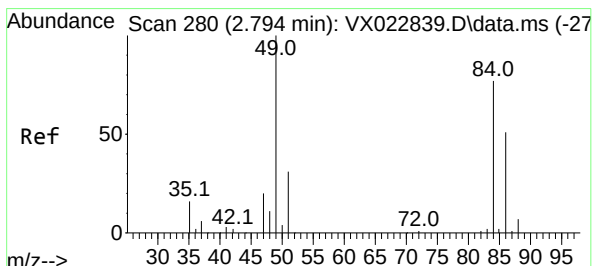
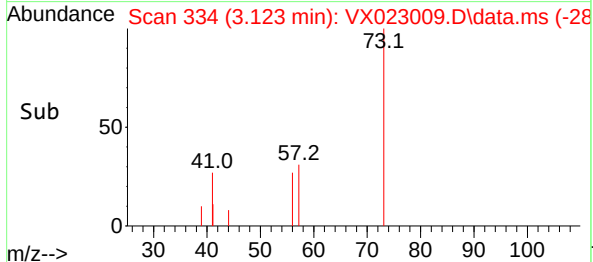
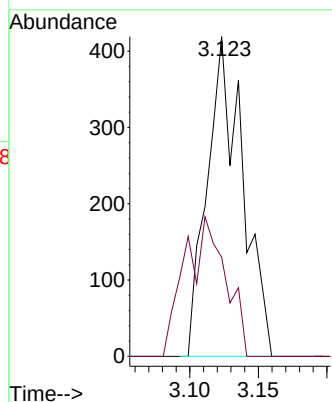
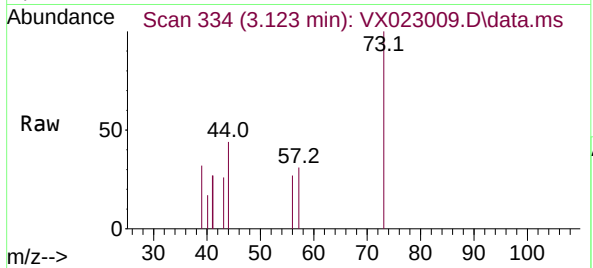




#19
Methyl tert-butyl Ether
Concen: 0.290 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

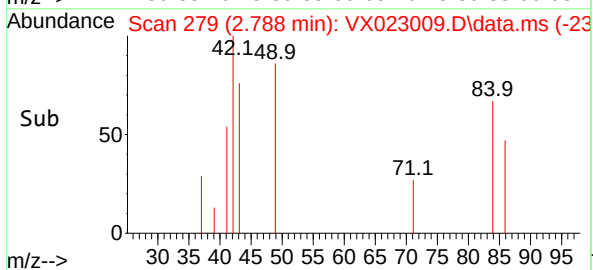
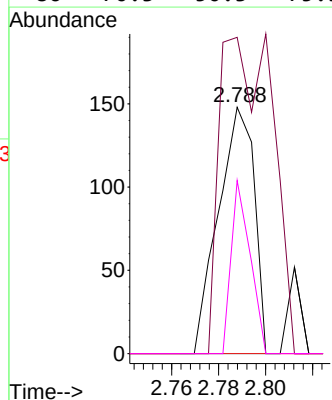
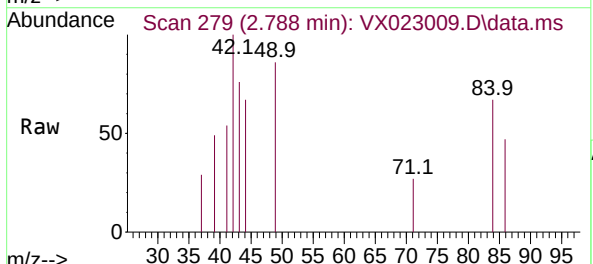
Instrument :
MSVOA_X
ClientSampled :
MW-9

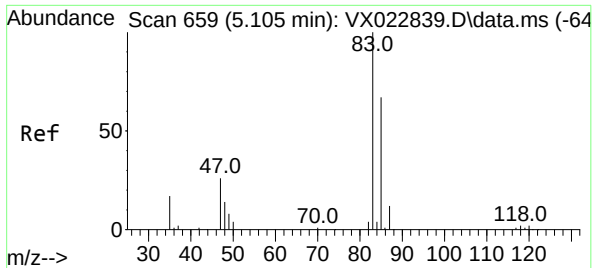
Tgt Ion: 73 Resp: 750
Ion Ratio Lower Upper
73 100
57 31.0 17.1 25.7#



#20
Methylene Chloride
Concen: 0.548 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 84 Resp: 157
Ion Ratio Lower Upper
84 100
49 128.4 88.6 132.8
51 0.0 27.0 40.6#
86 70.3 50.3 75.5

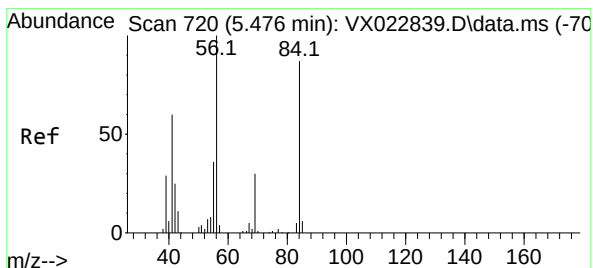
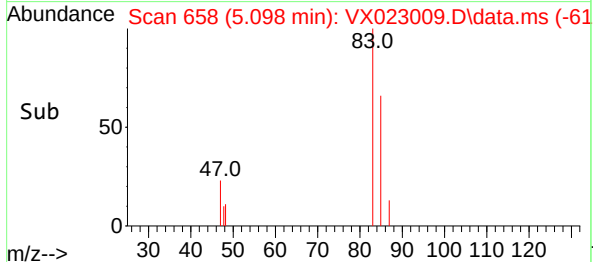
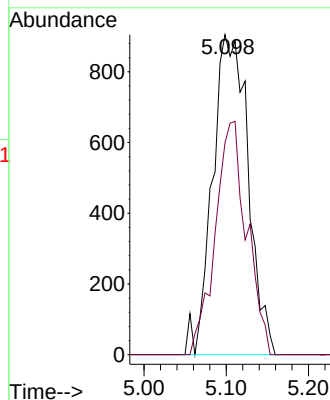
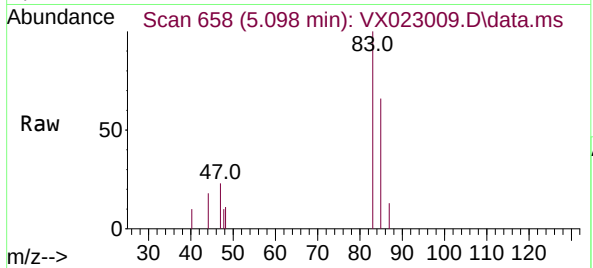




#30
Chloroform
Concen: 1.774 ug/l
RT: 5.098 min Scan# 658
Delta R.T. -0.007 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

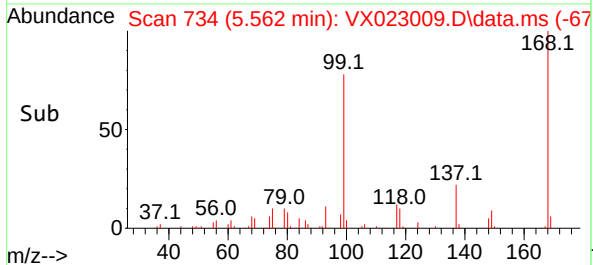
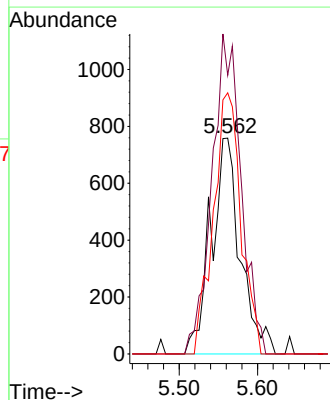
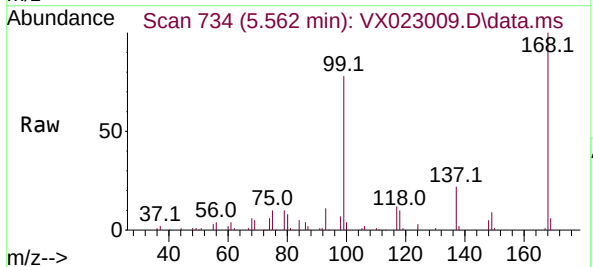
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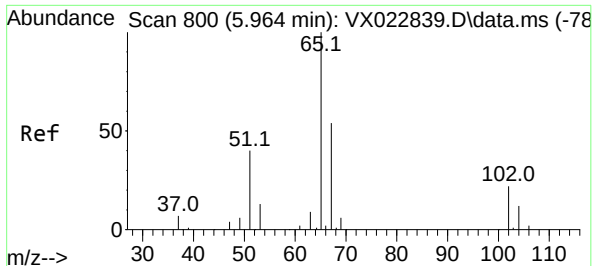
Tgt Ion: 83 Resp: 2720
Ion Ratio Lower Upper
83 100
85 66.2 52.0 78.0



#31
Cyclohexane
Concen: 1.381 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 56 Resp: 1969
Ion Ratio Lower Upper
56 100
69 129.1 25.3 37.9#
84 120.9 71.4 107.0#



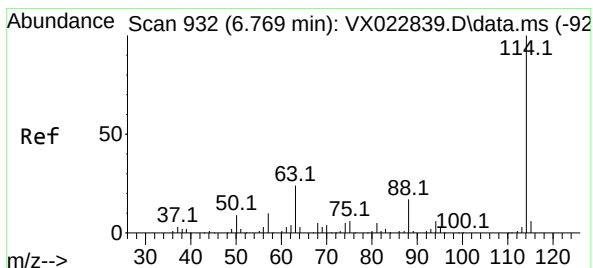
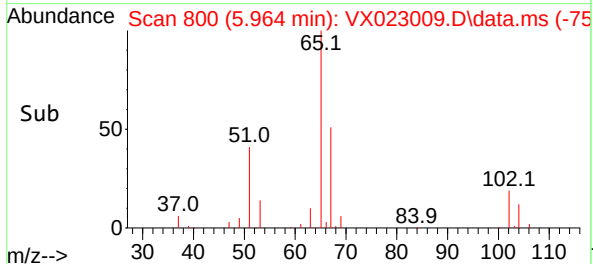
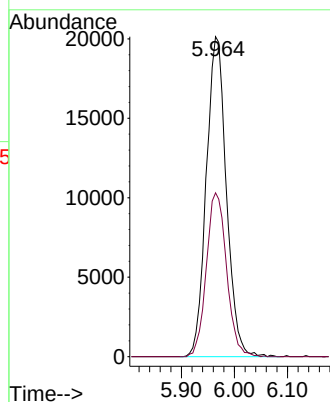
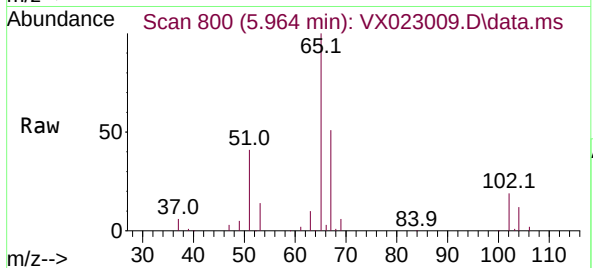


#33

1,2-Dichloroethane-d4
Concen: 52.394 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Instrument :
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MW-9

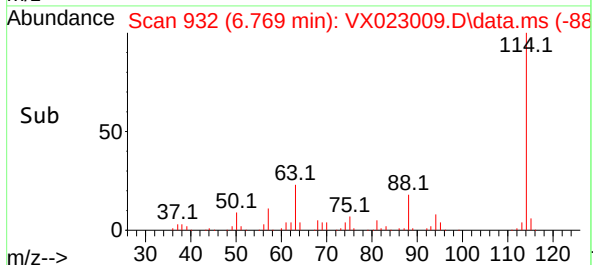
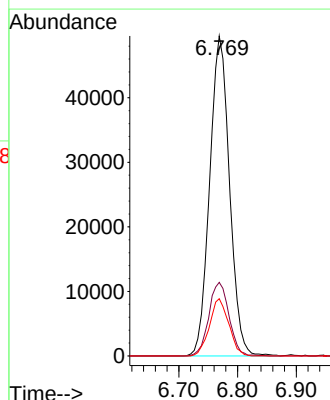
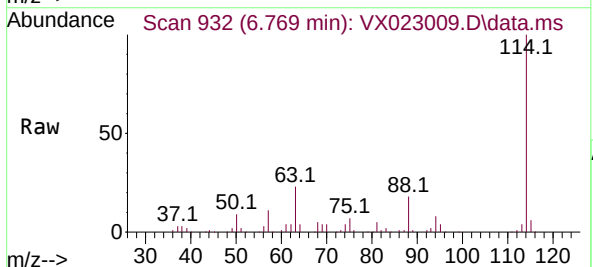
Tgt Ion: 65 Resp: 52928
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

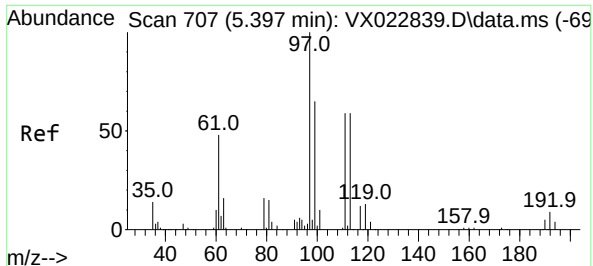


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 114 Resp: 116395
Ion Ratio Lower Upper
114 100
63 23.0 0.0 40.8
88 17.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.767 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX023009.D

Acq: 29 Jun 2021 17:29

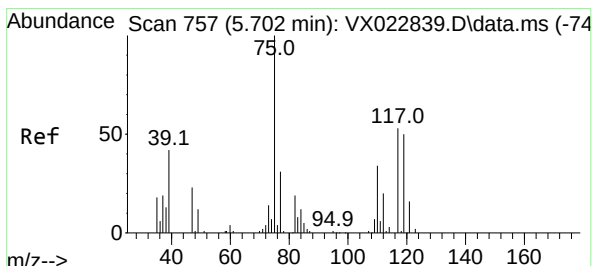
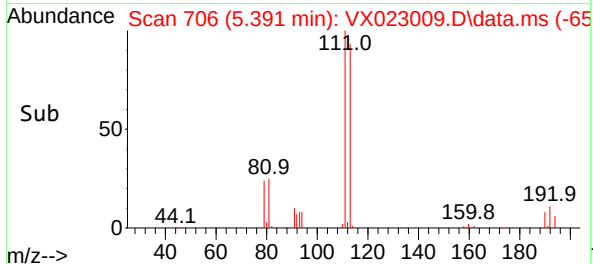
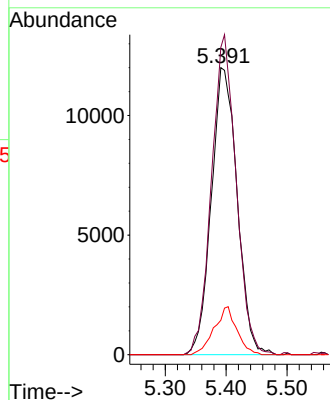
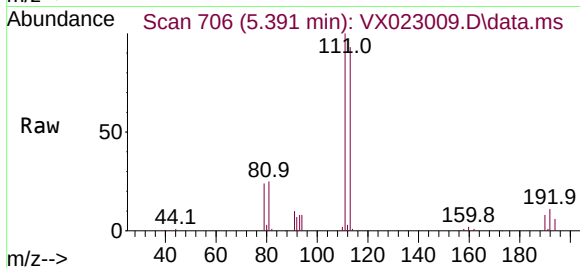
Tgt Ion:113 Resp: 35306

Ion Ratio Lower Upper

113 100

111 106.1 81.9 122.9

192 14.6 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.760 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023009.D

Acq: 29 Jun 2021 17:29

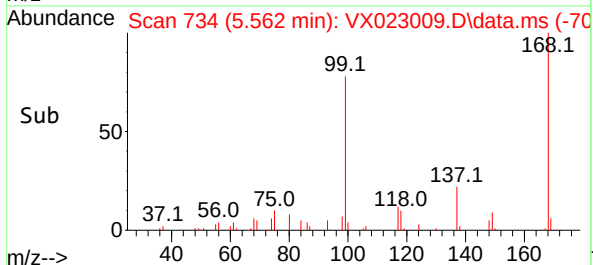
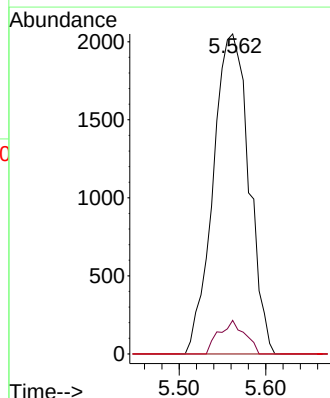
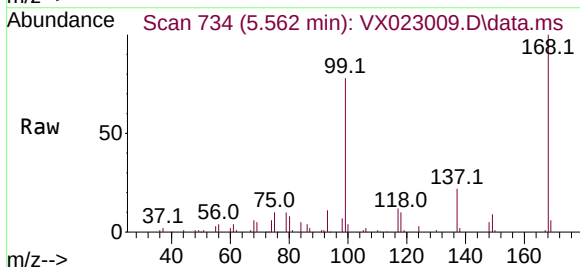
Tgt Ion: 75 Resp: 5885

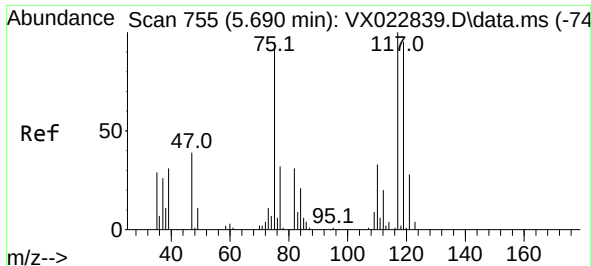
Ion Ratio Lower Upper

75 100

110 7.5 18.1 54.4#

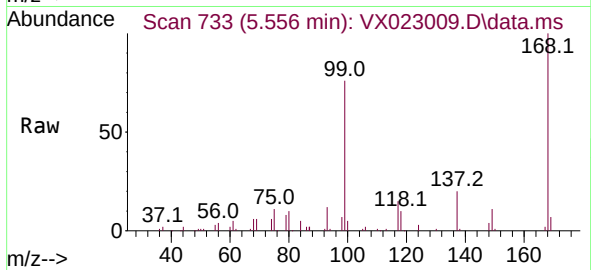
77 0.0 25.3 37.9#



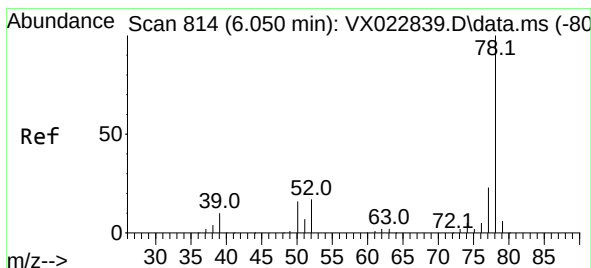
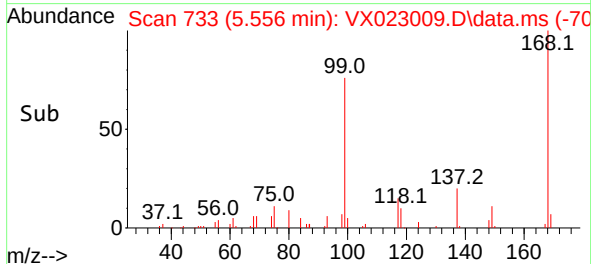
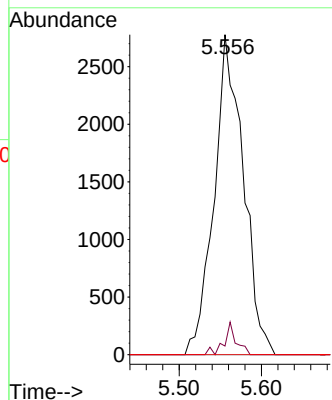


#38
Carbon Tetrachloride
Concen: 6.603 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Instrument :
MSVOA_X
ClientSampled :
MW-9

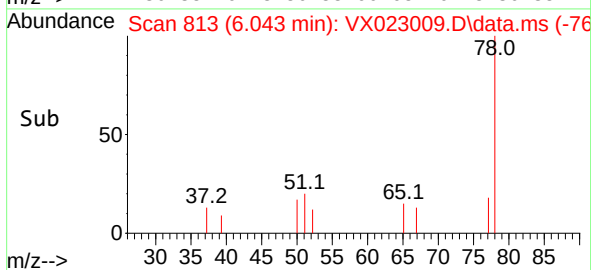
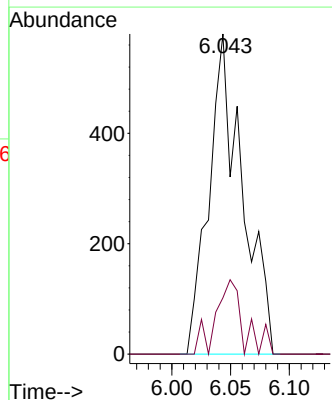
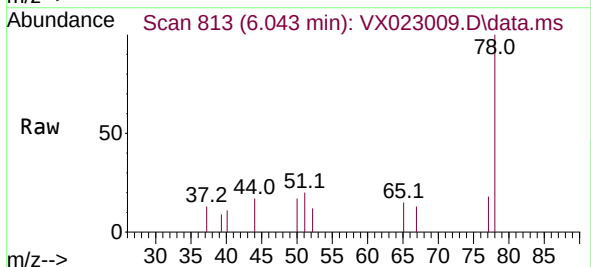


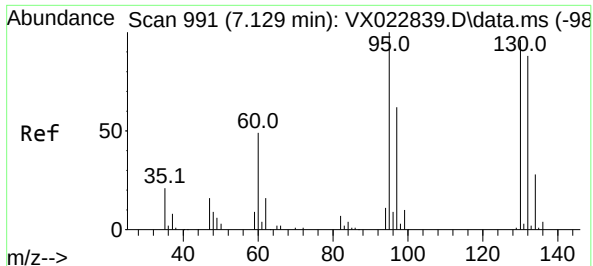
Tgt Ion:117 Resp: 6847
Ion Ratio Lower Upper
117 100
119 2.7 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.321 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.007 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 78 Resp: 1146
Ion Ratio Lower Upper
78 100
77 17.6 18.9 28.3#

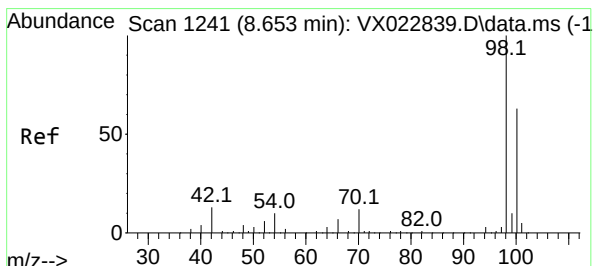
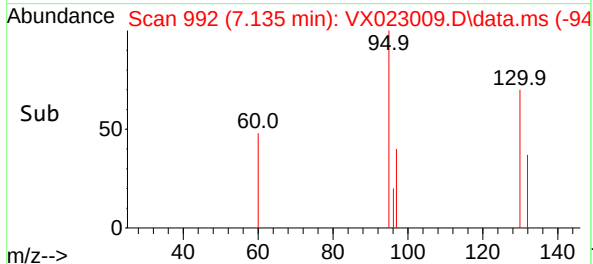
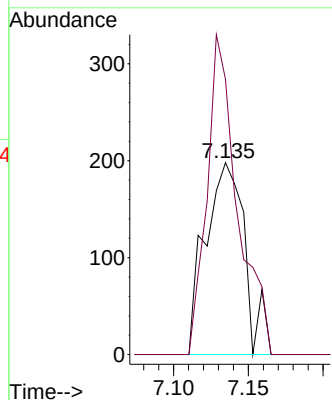
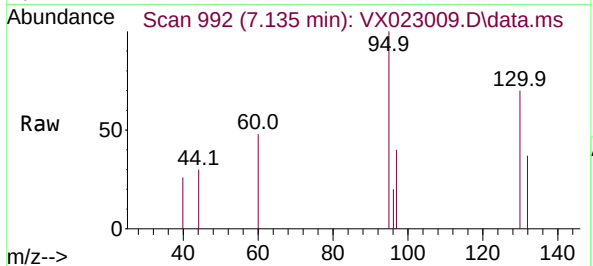




#44
Trichloroethene
Concen: 0.429 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

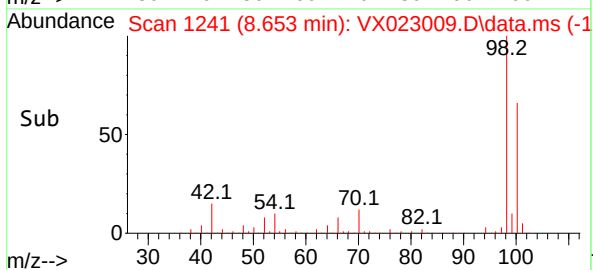
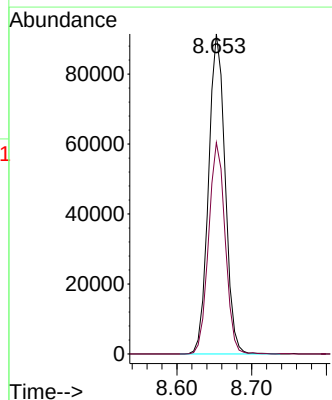
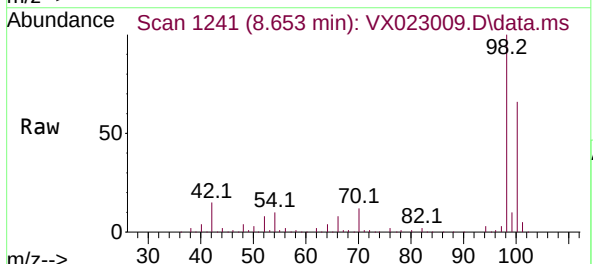
Instrument :
MSVOA_X
ClientSampled :
MW-9

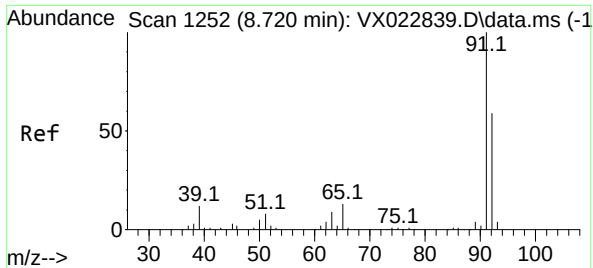
Tgt Ion:130 Resp: 363
Ion Ratio Lower Upper
130 100
95 143.4 0.0 198.0



#50
Toluene-d8
Concen: 48.658 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 98 Resp: 140952
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

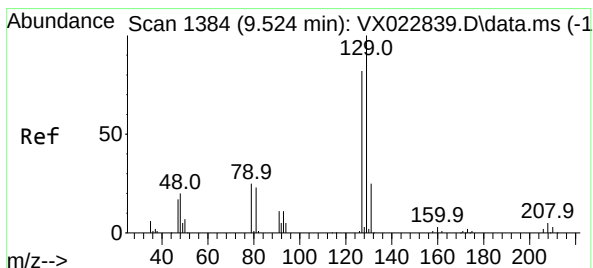
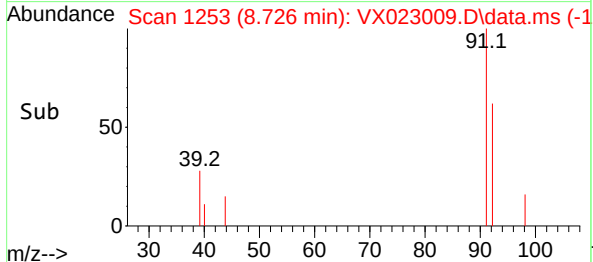
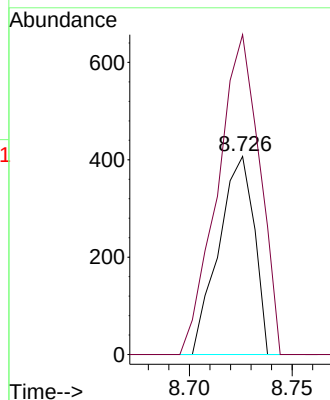
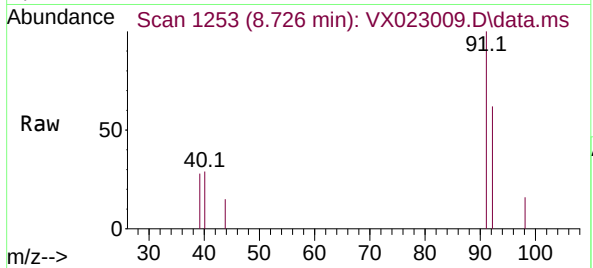




#52
Toluene
Concen: 0.227 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

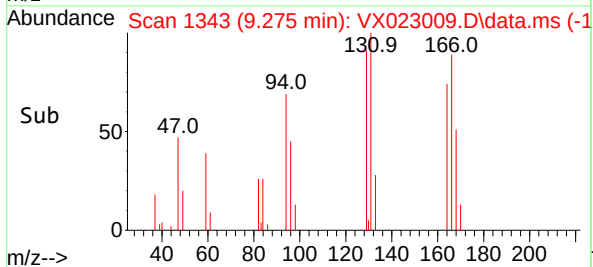
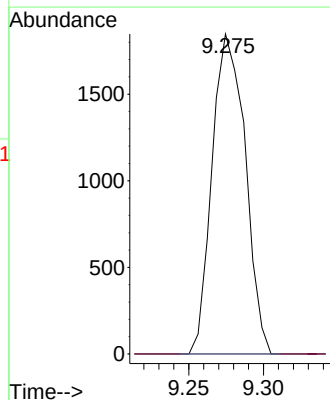
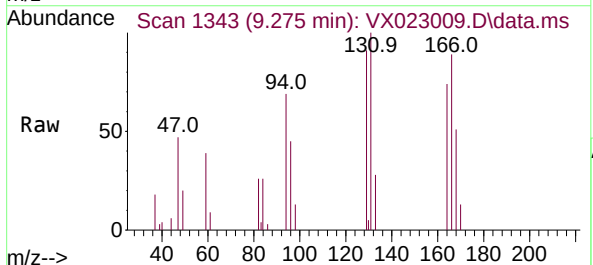
Instrument :
MSVOA_X
ClientSampled :
MW-9

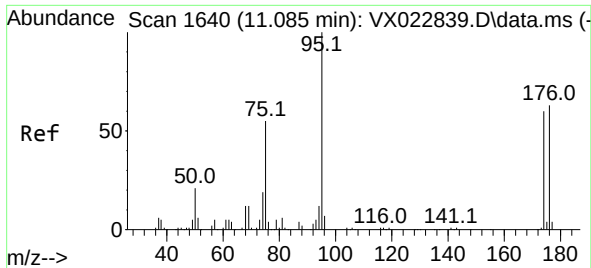
Tgt Ion: 92 Resp: 490
Ion Ratio Lower Upper
92 100
91 191.2 137.1 205.7



#60
Dibromochloromethane
Concen: 6.764 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 129 Resp: 2845
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

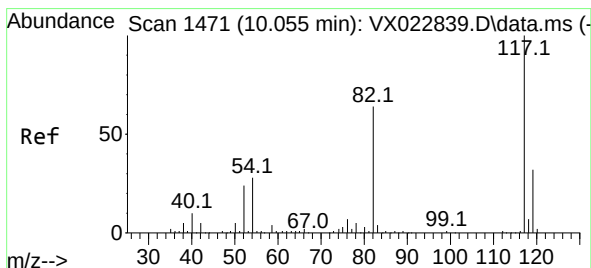
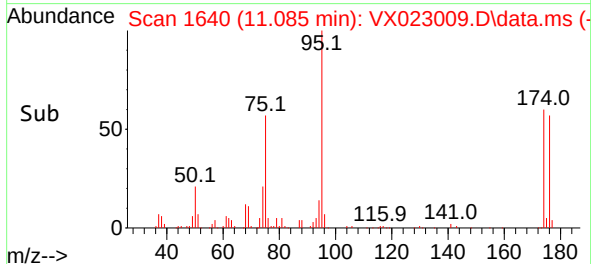
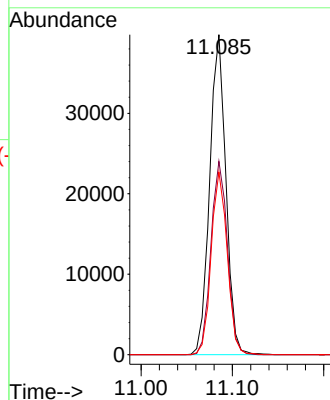
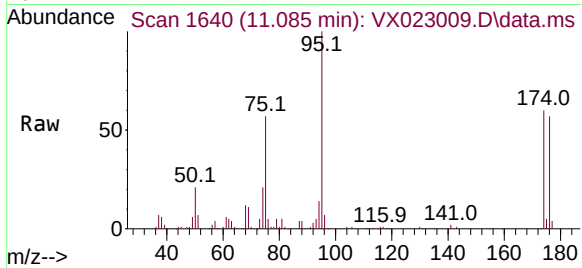




#62
4-Bromofluorobenzene
Concen: 45.233 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

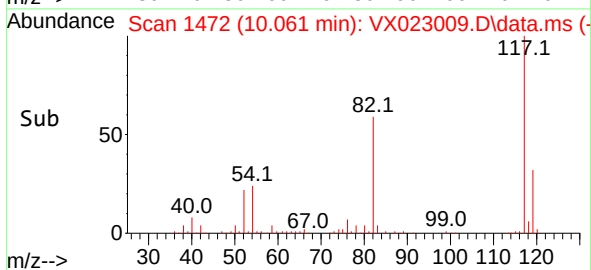
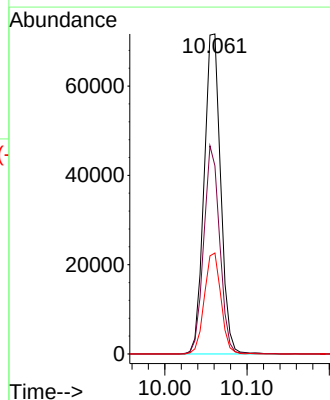
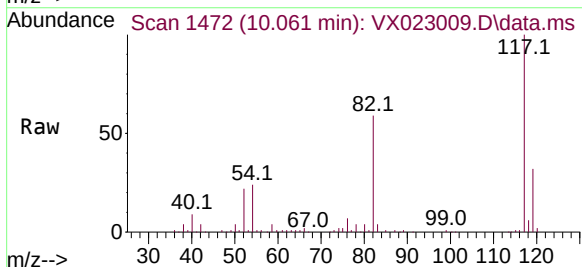
Instrument :
MSVOA_X
ClientSampleId :
MW-9

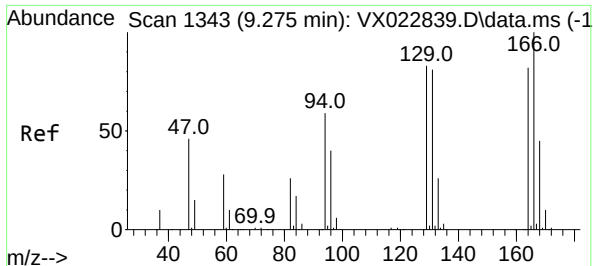
Tgt Ion: 95 Resp: 48902
Ion Ratio Lower Upper
95 100
174 61.2 0.0 154.6
176 56.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 117 Resp: 100428
Ion Ratio Lower Upper
117 100
82 58.8 47.4 71.2
119 31.5 26.6 39.8

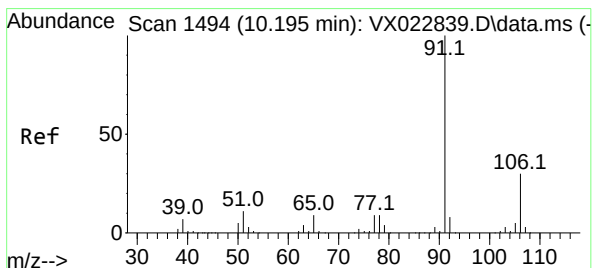
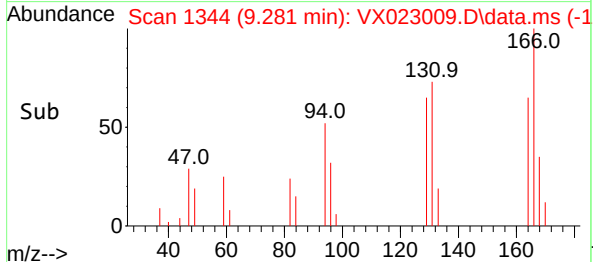
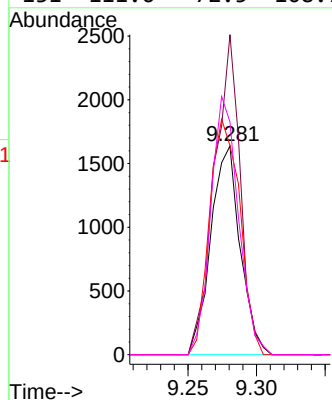
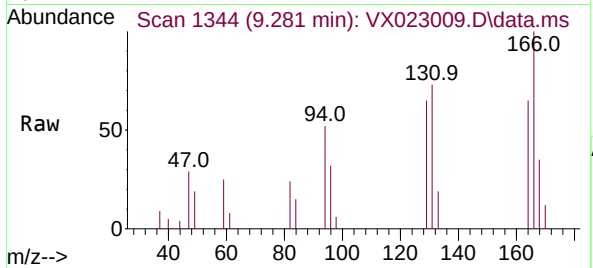




#64
Tetrachloroethene
Concen: 3.449 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

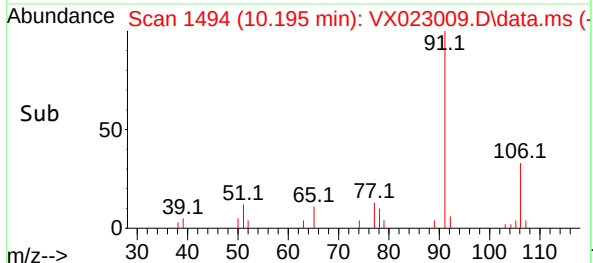
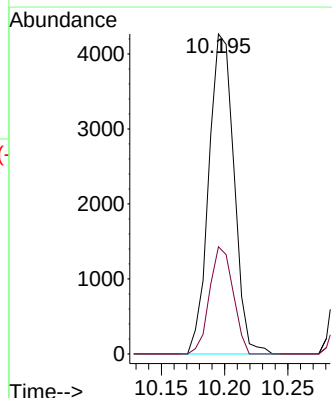
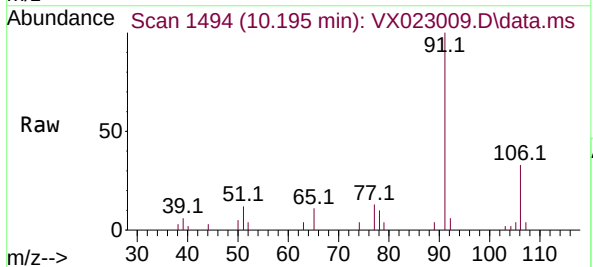
Instrument :
MSVOA_X
ClientSampled :
MW-9

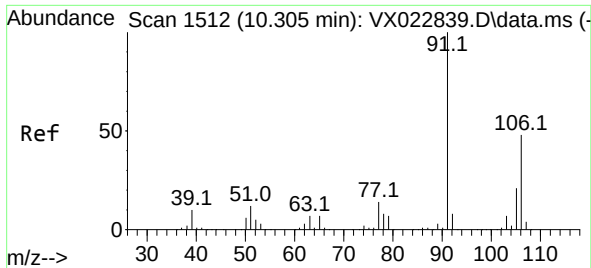
Tgt Ion:164 Resp: 2434
Ion Ratio Lower Upper
164 100
166 153.4 103.4 155.2
129 100.2 70.8 106.2
131 111.6 72.5 108.7#



#67
Ethyl Benzene
Concen: 1.517 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 91 Resp: 5908
Ion Ratio Lower Upper
91 100
106 33.5 24.6 37.0

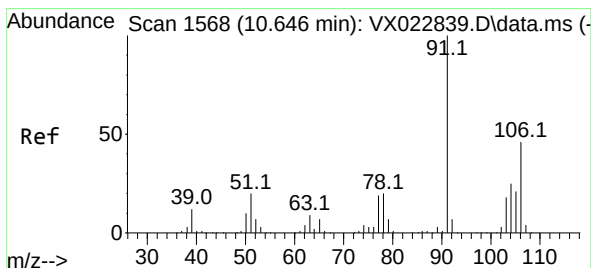
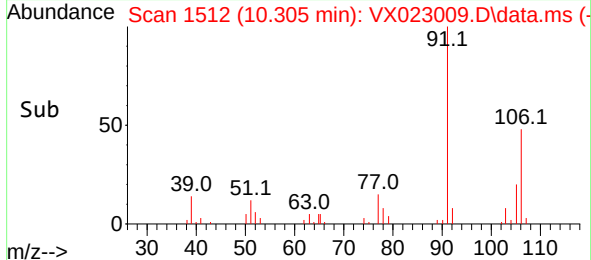
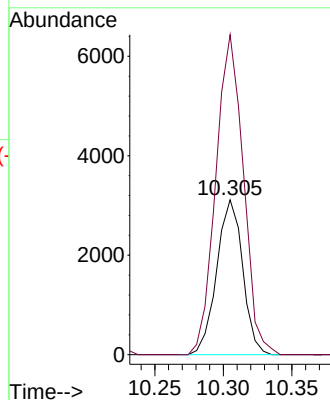
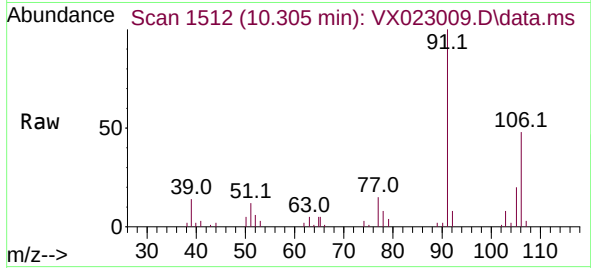




#68
m/p-Xylenes
Concen: 2.839 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

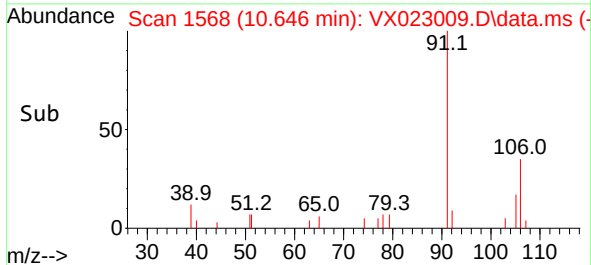
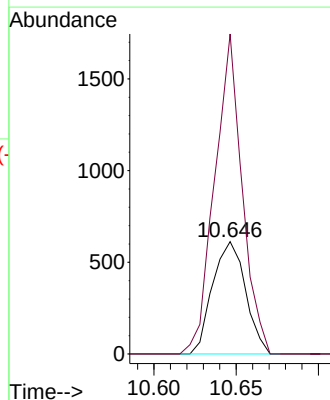
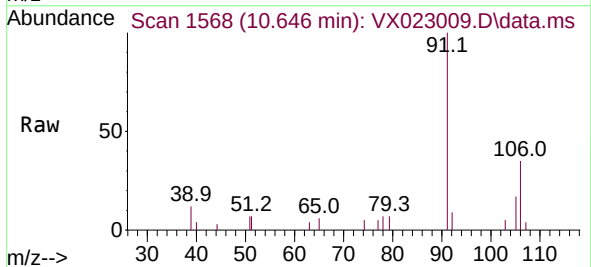
Instrument :
MSVOA_X
ClientSampled :
MW-9

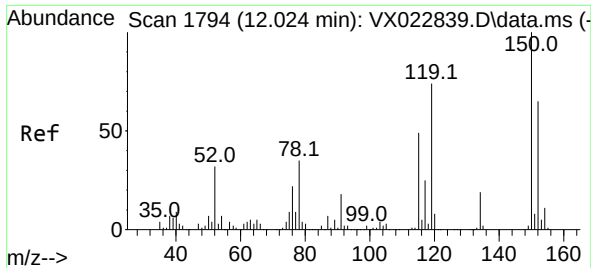
Tgt Ion:106 Resp: 4106
Ion Ratio Lower Upper
106 100
91 219.1 162.8 244.2



#69
o-Xylene
Concen: 0.607 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion:106 Resp: 854
Ion Ratio Lower Upper
106 100
91 237.6 108.1 324.2

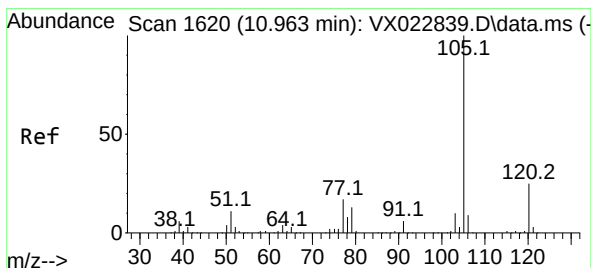
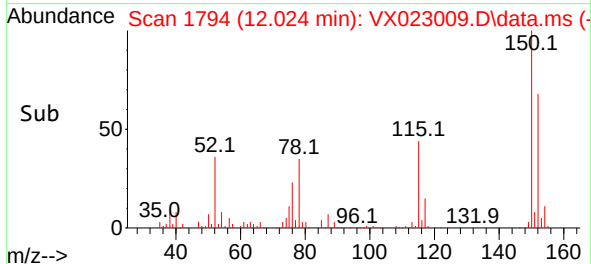
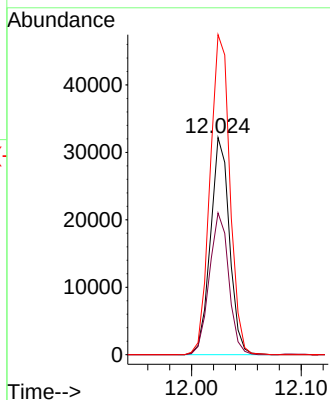
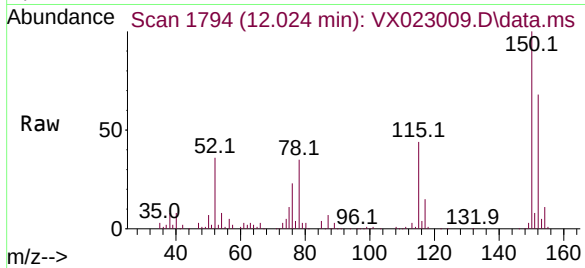




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

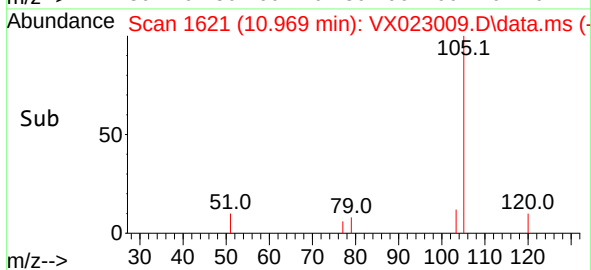
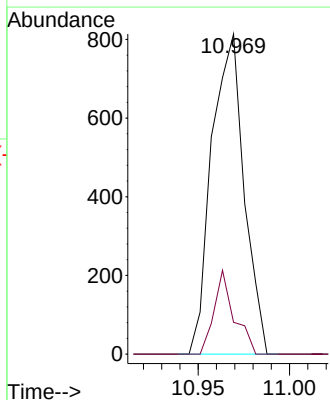
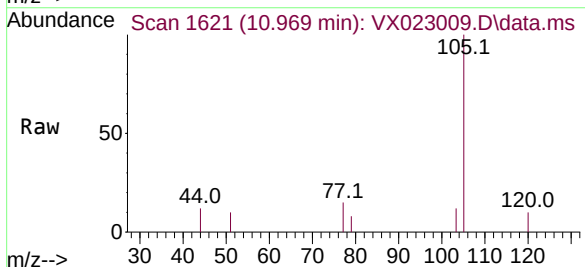
Instrument :
MSVOA_X
ClientSampled :
MW-9

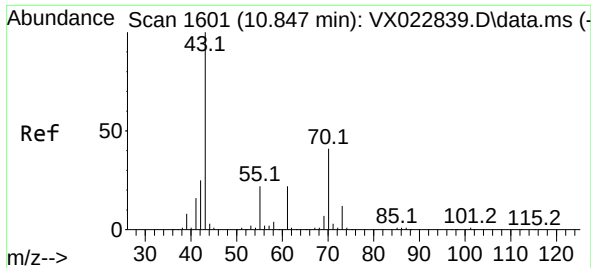
Tgt Ion:152 Resp: 38747
Ion Ratio Lower Upper
152 100
115 66.4 41.1 123.3
150 154.0 0.0 349.0



#73
Isopropylbenzene
Concen: 0.306 ug/l
RT: 10.969 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion:105 Resp: 1002
Ion Ratio Lower Upper
105 100
120 16.2 13.2 39.6

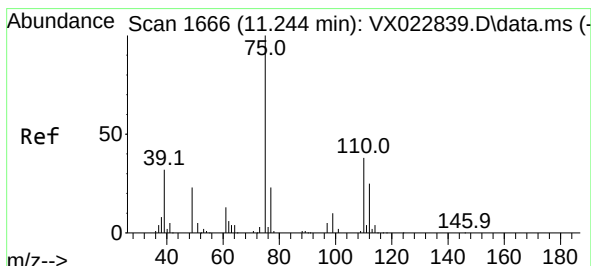
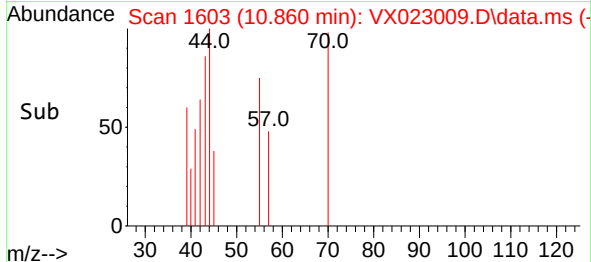
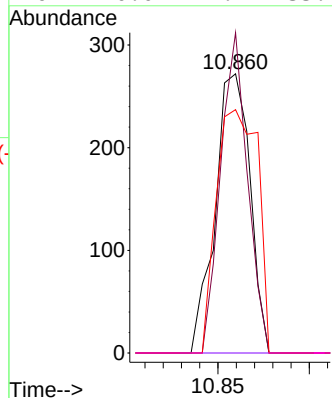
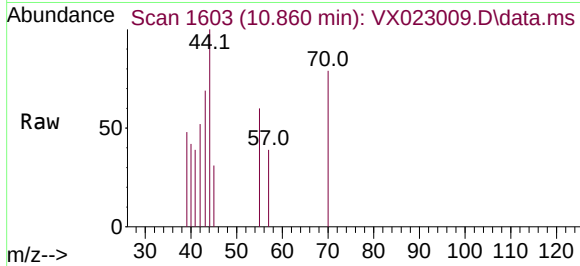




#74
N-amy1 acetate
Concen: 2.241 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.013 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

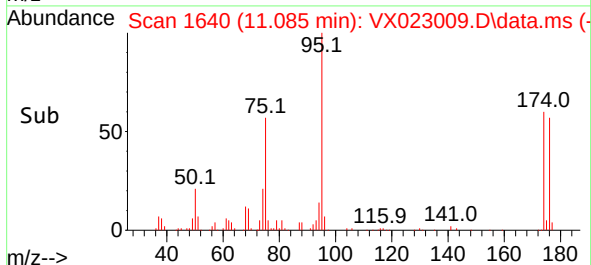
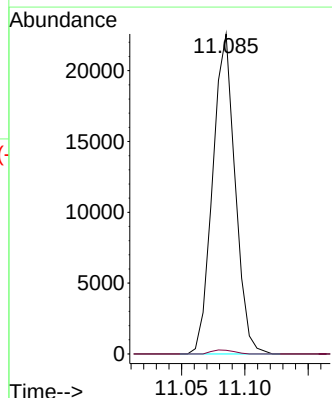
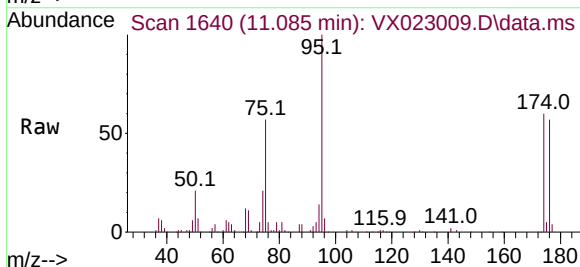
Instrument :
MSVOA_X
ClientSampled :
MW-9

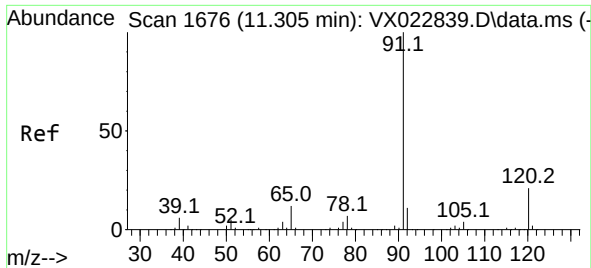
Tgt Ion: 43	Resp:	360
Ion	Ratio	Lower Upper
43	100	
70	88.9	39.0 58.6#
55	103.3	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 27.273 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 75	Resp:	27913
Ion	Ratio	Lower Upper
75	100	
77	1.2	19.1 57.5#

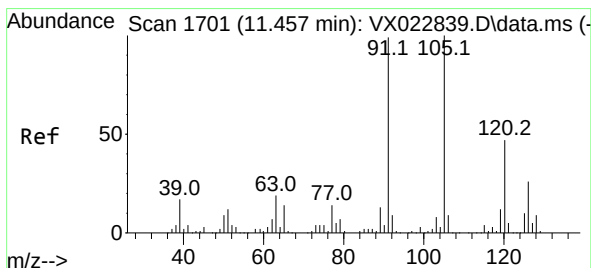
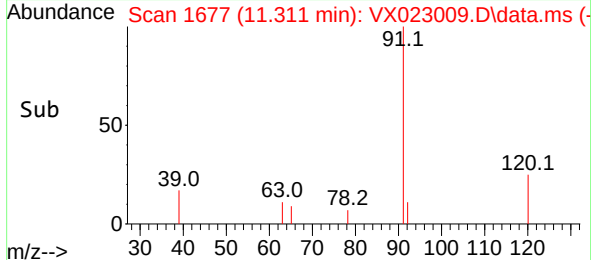
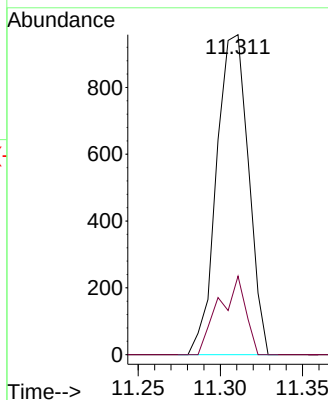
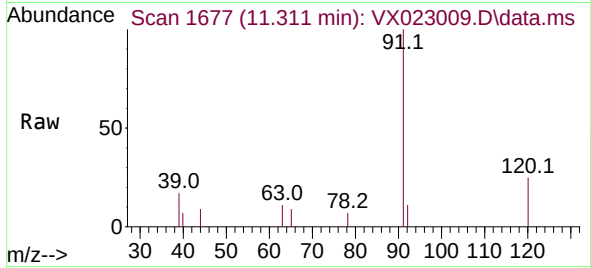




#78
n-propylbenzene
Concen: 0.326 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

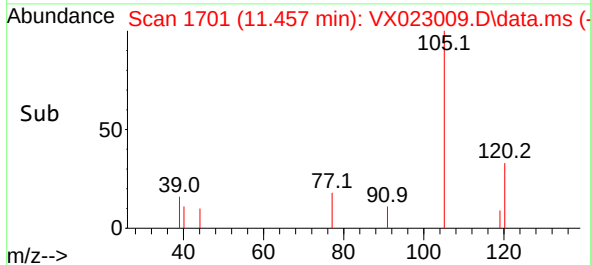
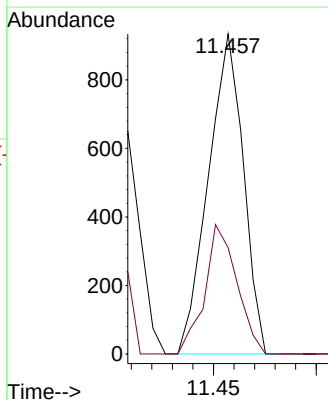
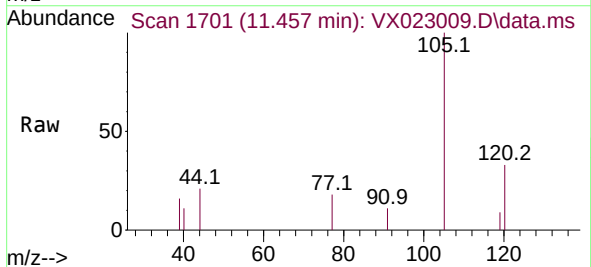
Instrument :
MSVOA_X
ClientSampled :
MW-9

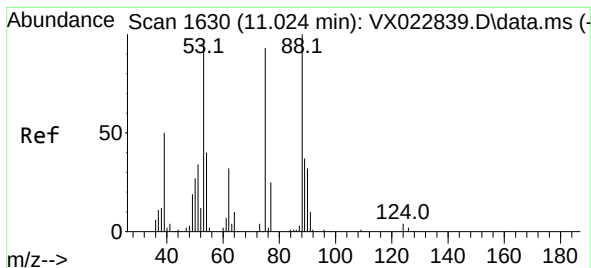
Tgt Ion: 91 Resp: 1295
Ion Ratio Lower Upper
91 100
120 20.5 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 0.410 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 105 Resp: 1105
Ion Ratio Lower Upper
105 100
120 37.0 23.8 71.5

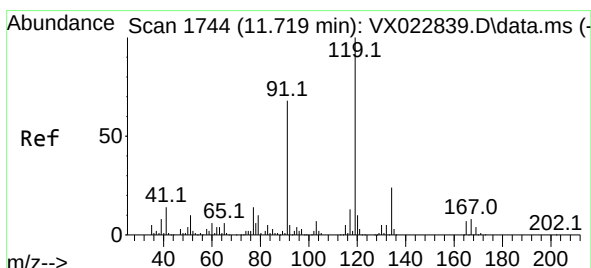
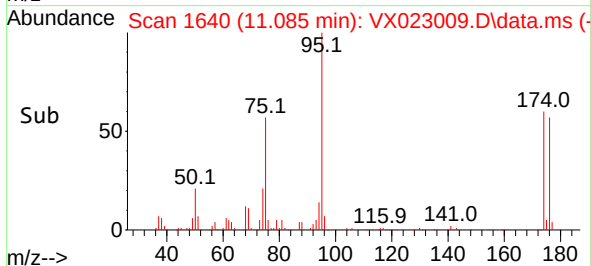
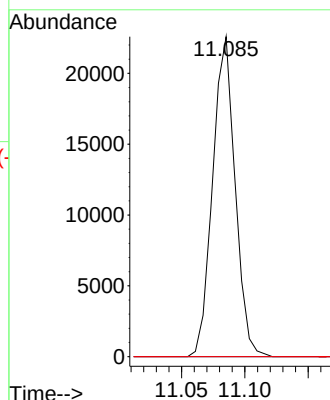
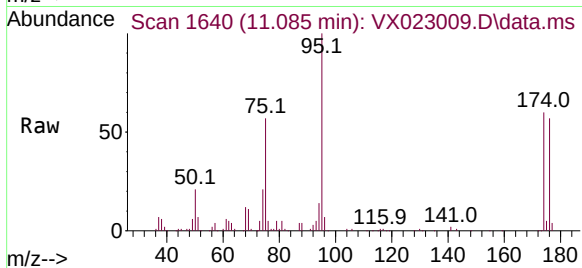




#81
trans-1,4-Dichloro-2-butene
Concen: 70.584 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

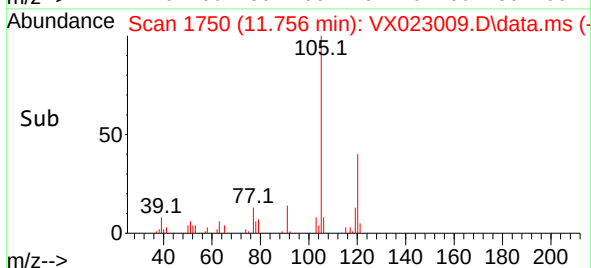
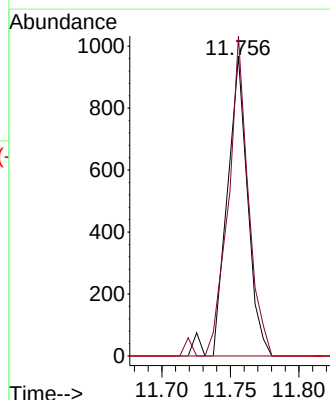
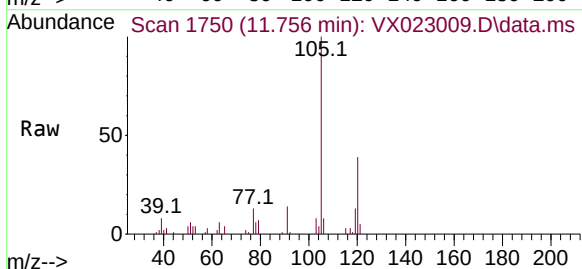
Instrument :
MSVOA_X
ClientSampled :
MW-9

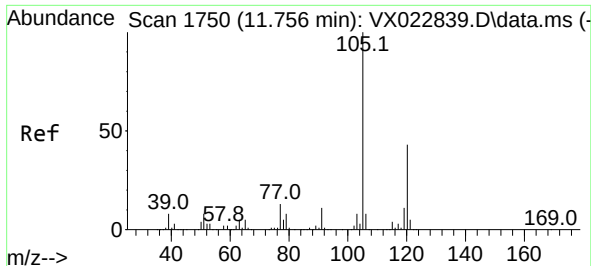
Tgt Ion: 75 Resp: 27913
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#83
tert-Butylbenzene
Concen: 0.398 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.037 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion: 119 Resp: 1011
Ion Ratio Lower Upper
119 100
91 103.0 27.9 83.7#
134 0.0 11.3 33.9#

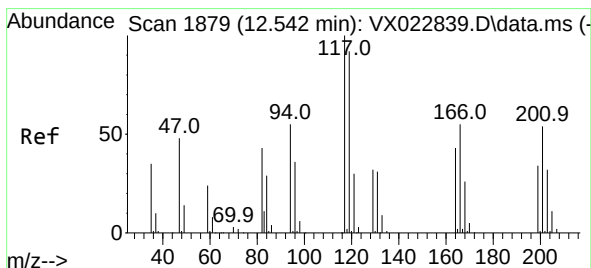
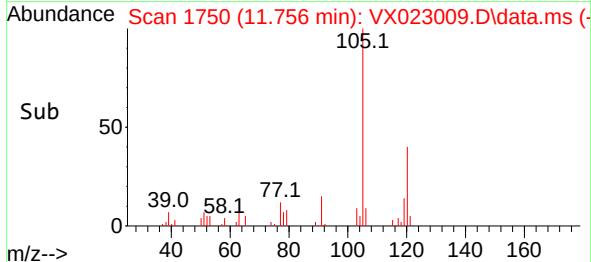
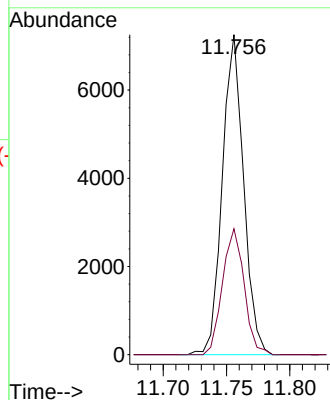
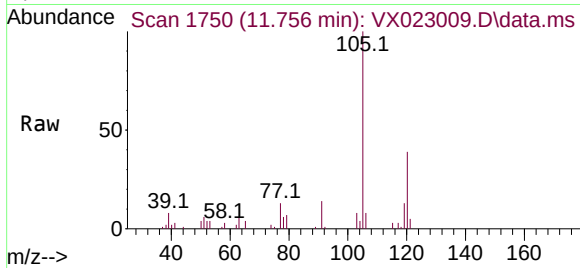




#84
1,2,4-Trimethylbenzene
Concen: 3.123 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

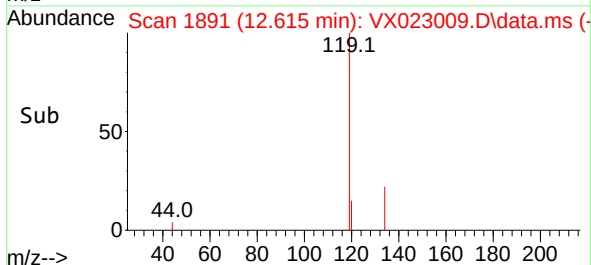
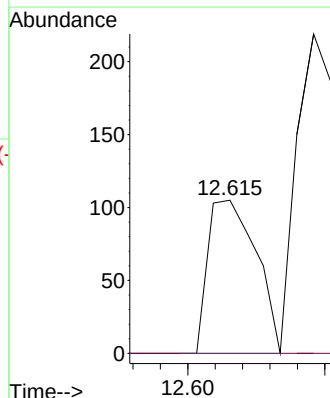
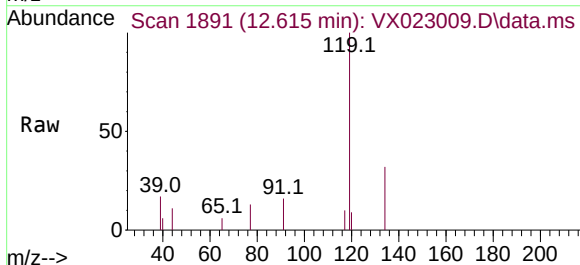
Instrument :
MSVOA_X
ClientSampled :
MW-9

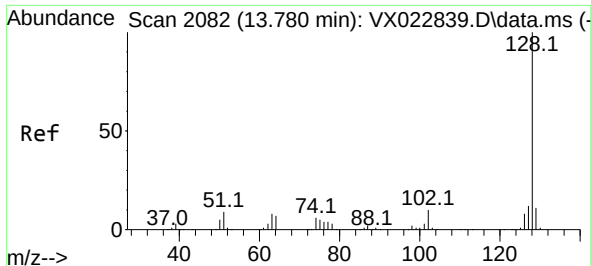
Tgt Ion:105 Resp: 8461
Ion Ratio Lower Upper
105 100
120 40.1 22.4 67.3



#90
Hexachloroethane
Concen: 3.946 ug/l
RT: 12.615 min Scan# 1891
Delta R.T. 0.073 min
Lab File: VX023009.D
Acq: 29 Jun 2021 17:29

Tgt Ion:117 Resp: 128
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#





#95

Naphthalene

Concen: 5.991 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX023009.D

Acq: 29 Jun 2021 17:29

Tgt Ion:128 Resp: 13365

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.6 8.8 13.2

