

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031122\
 Data File : VX027400.D
 Acq On : 11 Mar 2022 14:31
 Operator : JC/MD
 Sample : N1895-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Quant Time: Mar 11 23:11:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

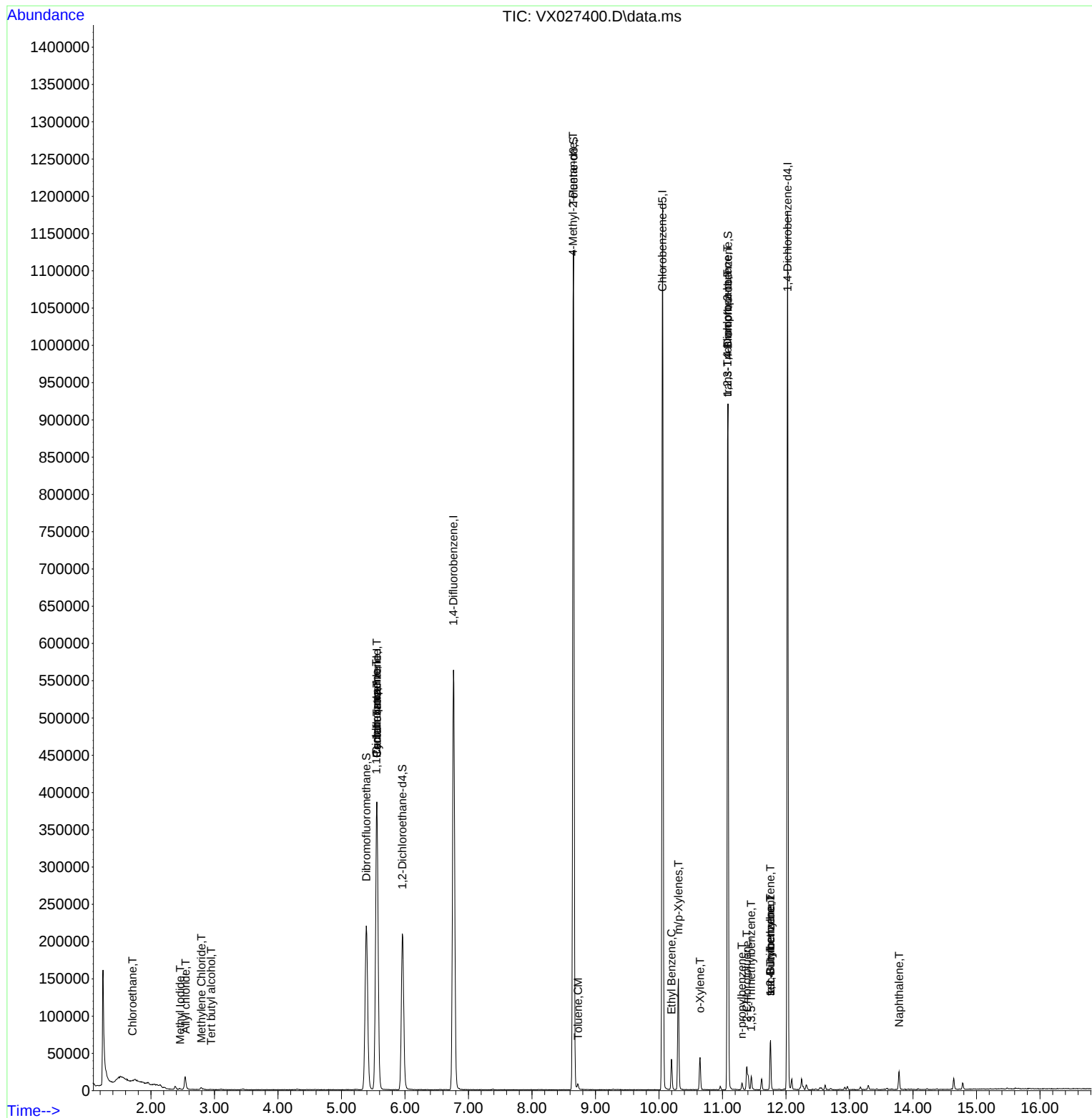
Internal Standards						
1) Pentafluorobenzene	5.556	168	394513	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	628832	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	573076	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	200290	43.535	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	87.080%
35) Dibromofluoromethane	5.391	113	197749	48.735	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.480%
50) Toluene-d8	8.653	98	726111	47.401	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	94.800%
62) 4-Bromofluorobenzene	11.085	95	258593	44.292	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.580%
Target Compounds						
					Qvalue	
5) Bromomethane	1.612	94	426	Below Cal		97
6) Chloroethane	1.709	64	640	0.680	ug/l #	80
10) Methyl Iodide	2.459	142	1388	0.247	ug/l #	90
11) Tert butyl alcohol	2.947	59	184	0.204	ug/l #	72
14) Allyl chloride	2.544	41	1793	0.299	ug/l #	68
16) Acetone	2.380	43	4379	Below Cal		97
20) Methylene Chloride	2.794	84	1042	0.232	ug/l	99
31) Cyclohexane	5.556	56	5991	0.931	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	24621	4.370	ug/l #	50
38) Carbon Tetrachloride	5.556	117	37008	6.353	ug/l #	16
51) 4-Methyl-2-Pentanone	8.647	43	2342	0.391	ug/l #	1
52) Toluene	8.726	92	2604	0.238	ug/l	95
67) Ethyl Benzene	10.195	91	24411	1.174	ug/l	98
68) m/p-Xylenes	10.305	106	38297	4.696	ug/l	98
69) o-Xylene	10.647	106	10697	1.328	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	117519	20.929	ug/l #	38
78) n-propylbenzene	11.305	91	6247	0.297	ug/l	96
79) 2-Chlorotoluene	11.384	91	3008	0.229	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	8079	0.503	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	117519	67.687	ug/l #	15
83) tert-Butylbenzene	11.756	119	3892	0.243	ug/l #	57
84) 1,2,4-Trimethylbenzene	11.756	105	31190	1.960	ug/l	98
85) sec-Butylbenzene	11.756	105	31170	1.611	ug/l #	56
95) Naphthalene	13.780	128	18180	0.943	ug/l	100

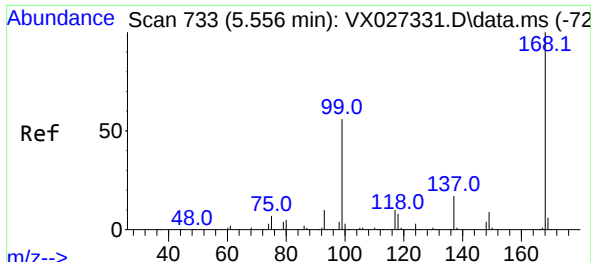
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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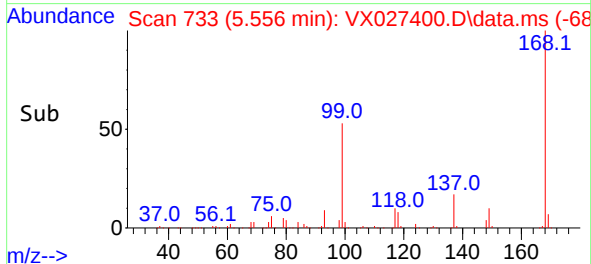
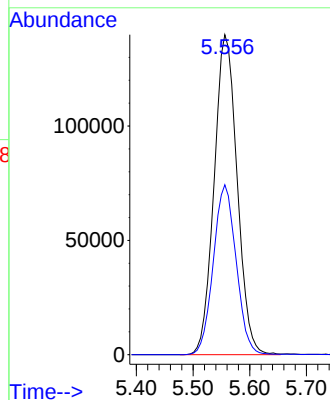
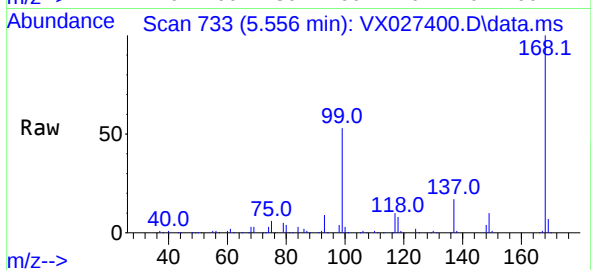




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

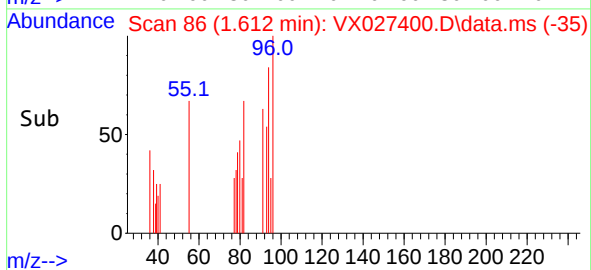
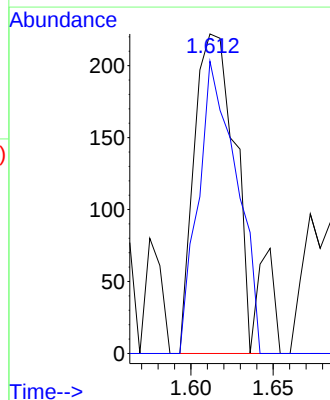
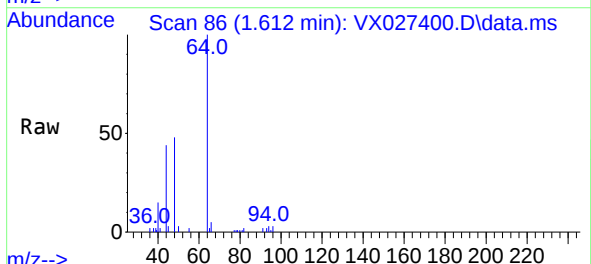
Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion:168 Resp: 394513
Ion Ratio Lower Upper
168 100
99 53.1 41.7 62.5

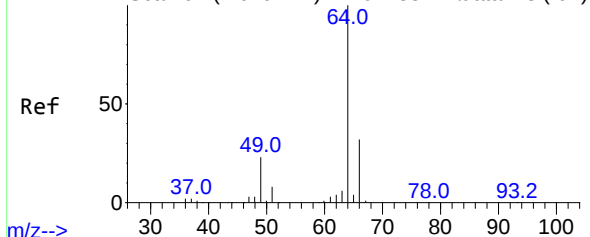


#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 94 Resp: 426
Ion Ratio Lower Upper
94 100
96 91.4 75.3 112.9



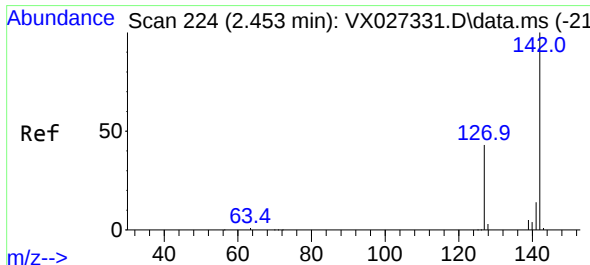
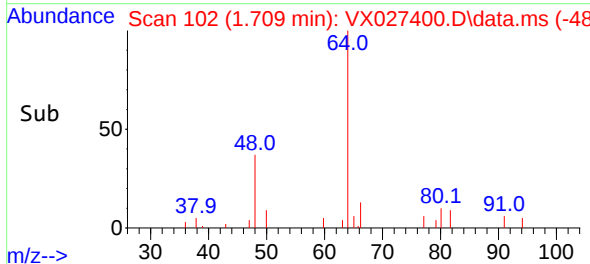
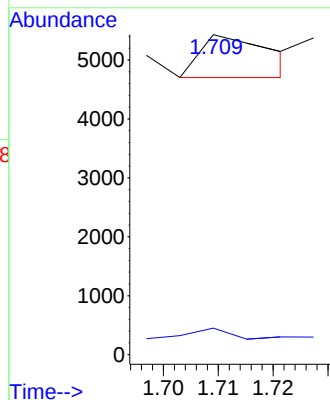
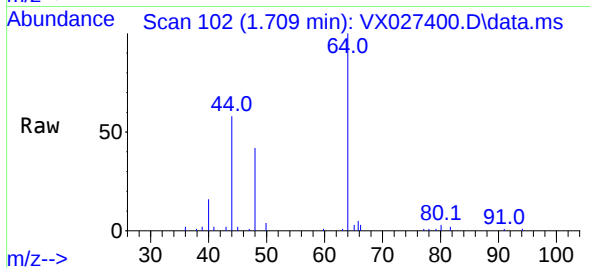
Abundance Scan 97 (1.679 min): VX027331.D\data.ms (-91)



#6
Chloroethane
Concen: 0.680 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.030 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

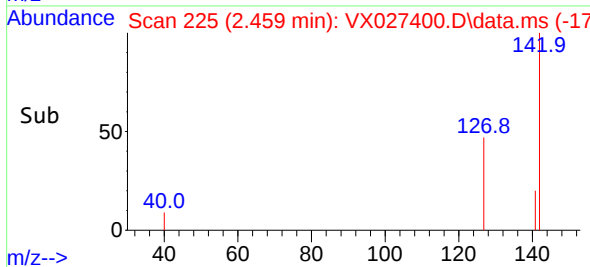
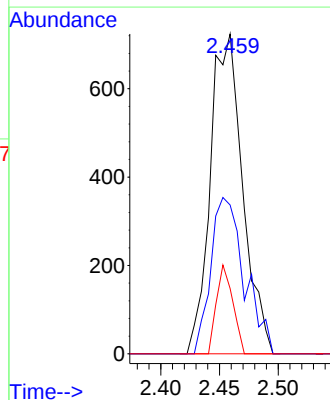
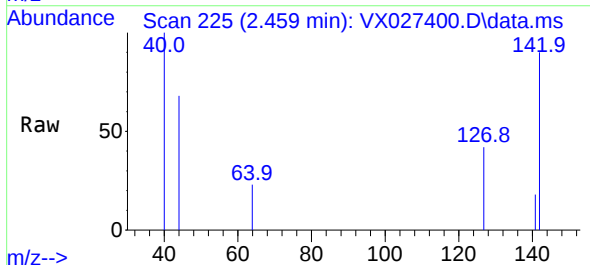
Instrument :
MSVOA_X
ClientSampleId :
MW-5

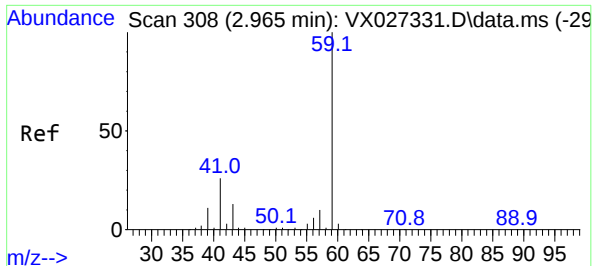
Tgt Ion: 64 Resp: 640
Ion Ratio Lower Upper
64 100
66 20.5 25.3 37.9#



#10
Methyl Iodide
Concen: 0.247 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 142 Resp: 1388
Ion Ratio Lower Upper
142 100
127 50.9 33.9 50.9#
141 14.0 11.4 17.2

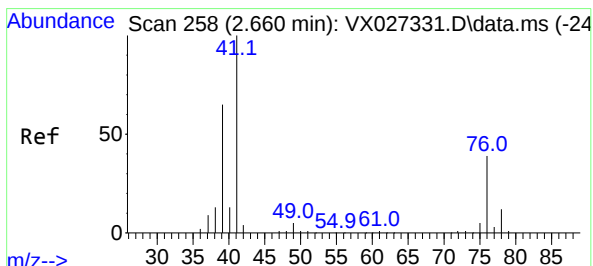
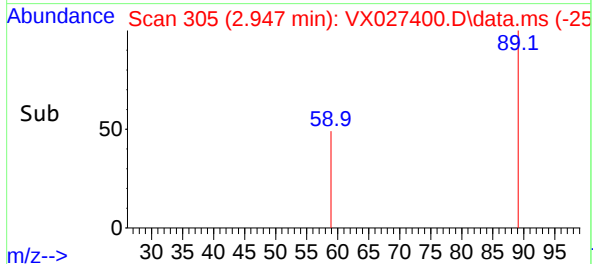
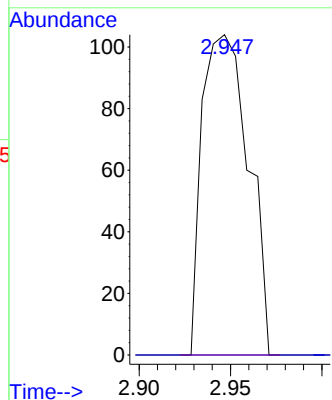
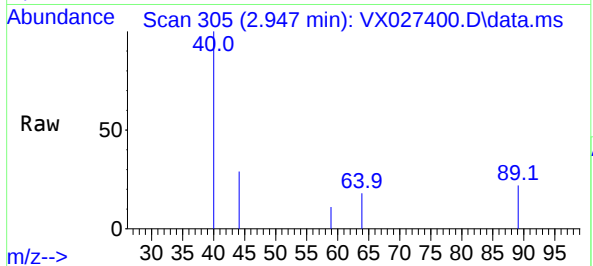




#11
Tert butyl alcohol
Concen: 0.204 ug/l
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

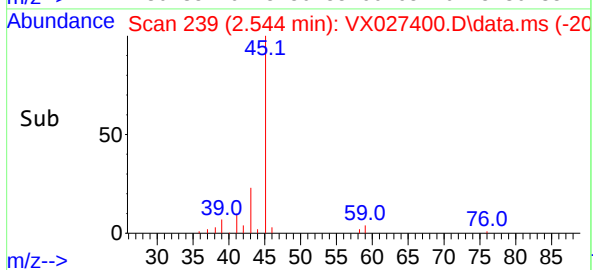
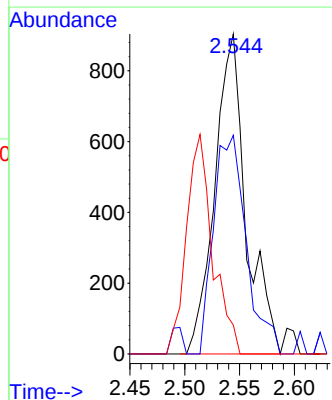
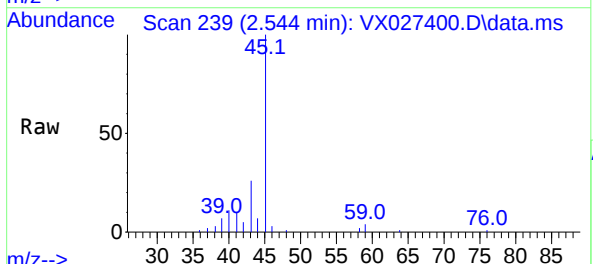
Instrument :
MSVOA_X
ClientSampleId :
MW-5

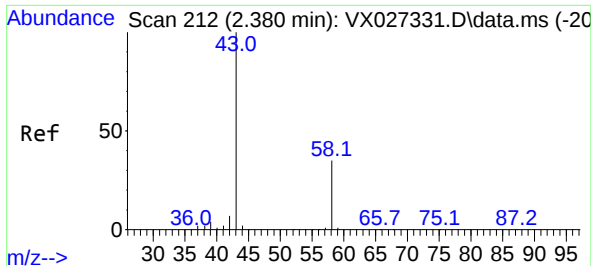
Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 0.299 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.116 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 41 Resp: 1793
Ion Ratio Lower Upper
41 100
39 71.5 50.4 75.6
76 0.0 32.7 49.1#

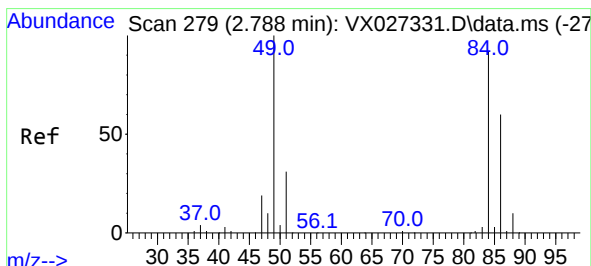
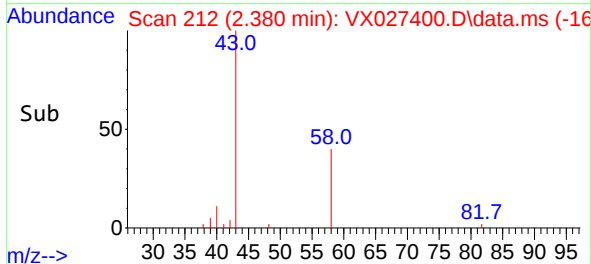
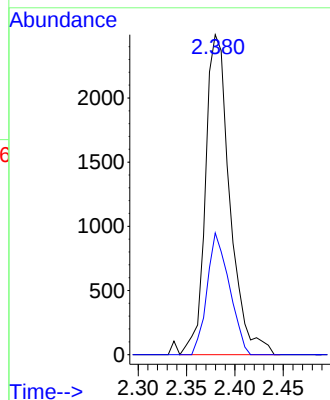
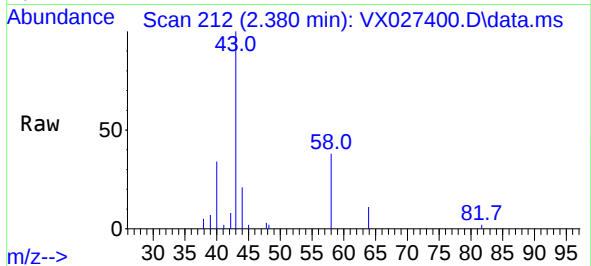




#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

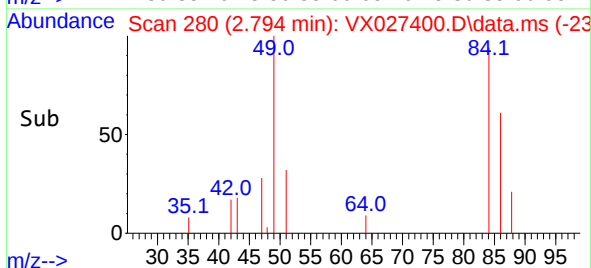
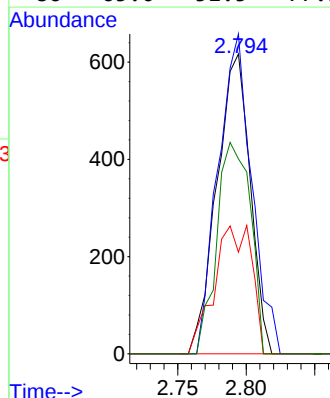
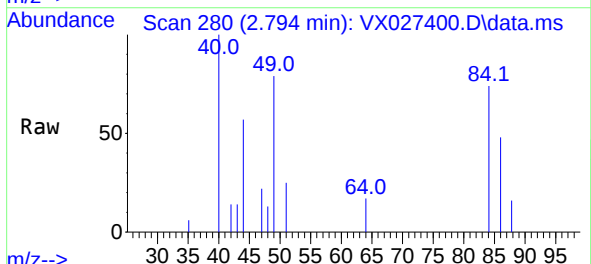
Instrument :
MSVOA_X
ClientSampleId :
MW-5

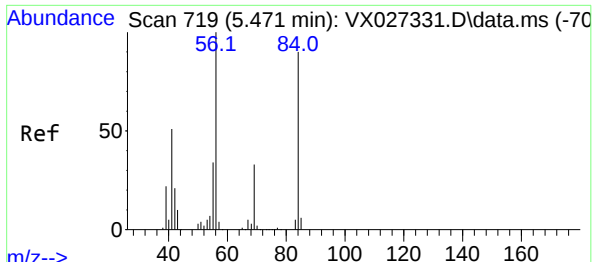
Tgt Ion: 43 Resp: 4379
Ion Ratio Lower Upper
43 100
58 38.0 28.8 43.2



#20
Methylene Chloride
Concen: 0.232 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

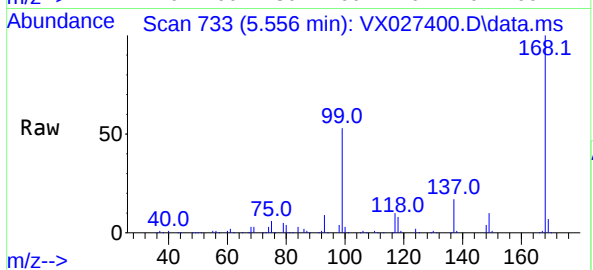
Tgt Ion: 84 Resp: 1042
Ion Ratio Lower Upper
84 100
49 106.6 85.5 128.3
51 33.9 26.6 39.8
86 65.0 51.5 77.3



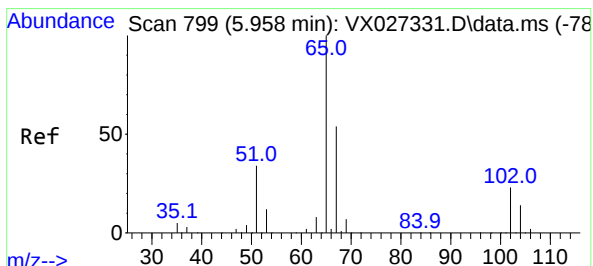
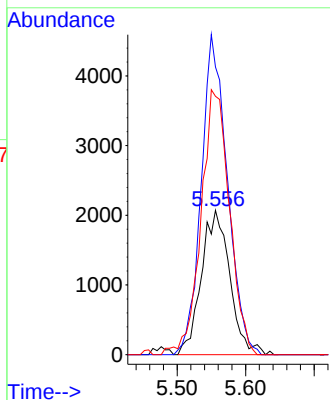
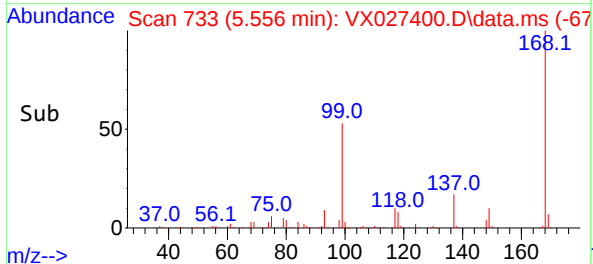


#31
Cyclohexane
Concen: 0.931 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Instrument :
MSVOA_X
ClientSampleId :
MW-5

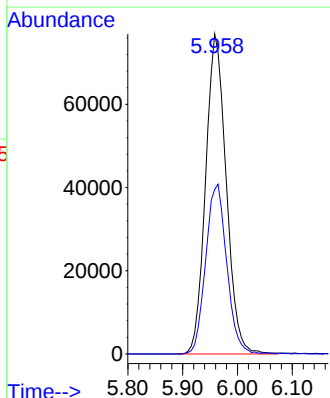
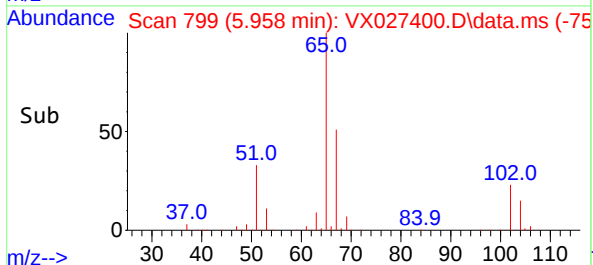
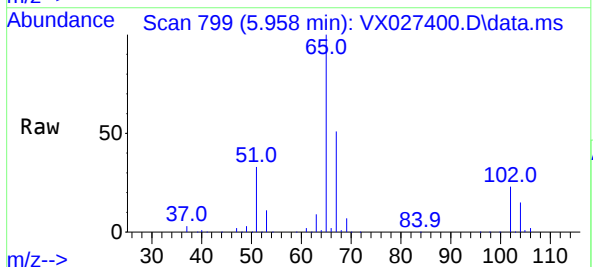


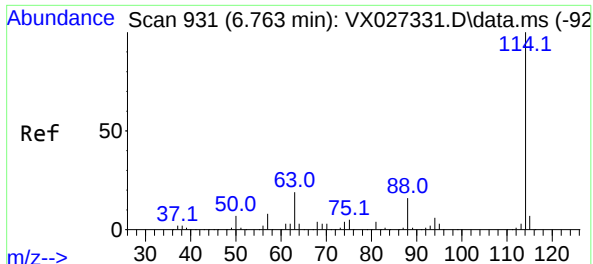
Tgt Ion: 56 Resp: 5991
Ion Ratio Lower Upper
56 100
69 199.5 26.7 40.1#
84 179.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 43.535 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 65 Resp: 200290
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.4

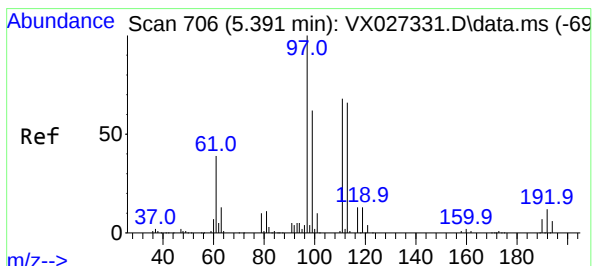
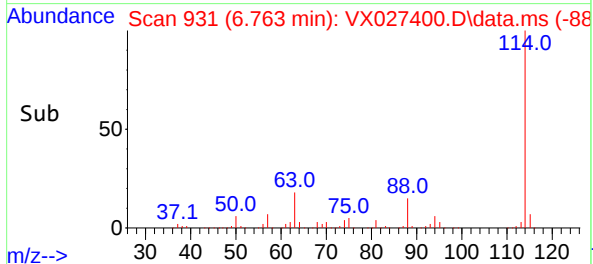
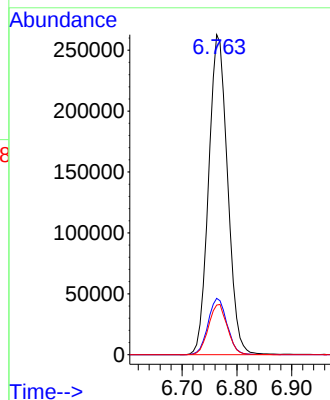
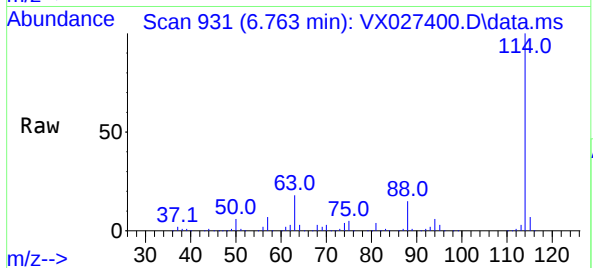




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

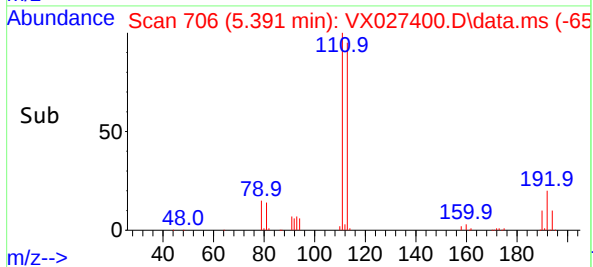
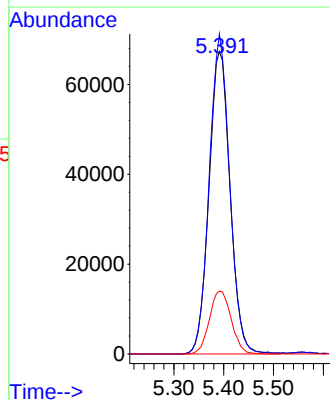
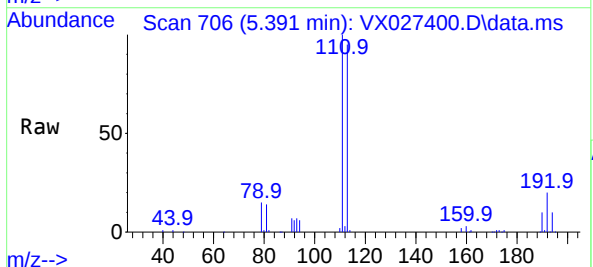
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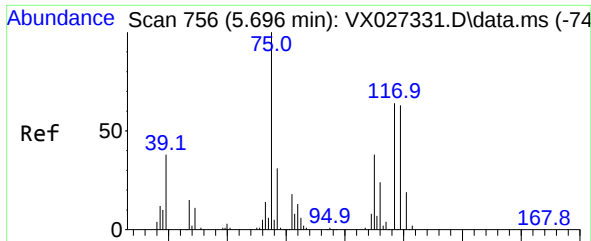
Tgt Ion:114 Resp: 628832
Ion Ratio Lower Upper
114 100
63 17.6 0.0 36.8
88 15.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 48.735 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion:113 Resp: 197749
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 21.4 16.9 25.3

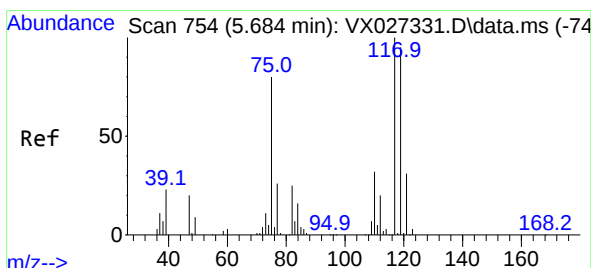
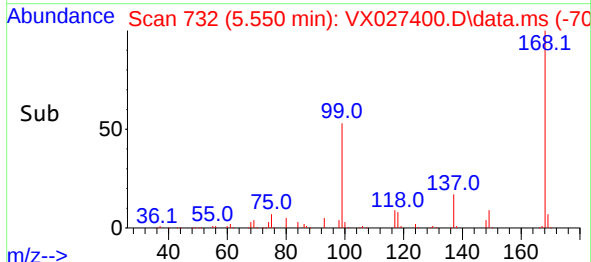
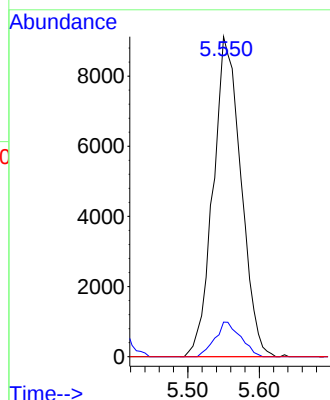
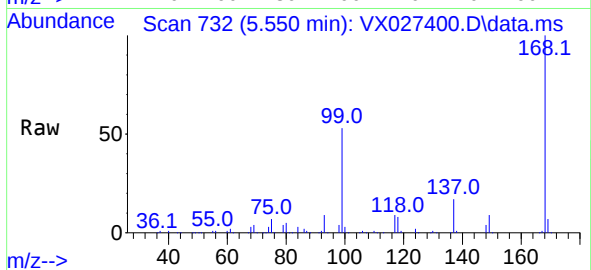




#36
1,1-Dichloropropene
Concen: 4.370 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

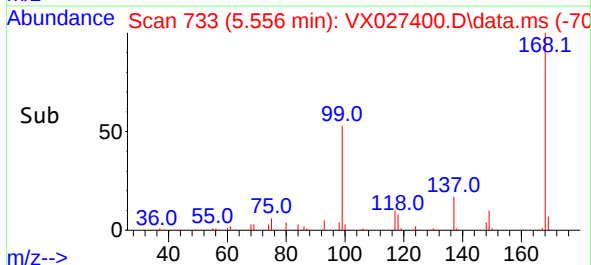
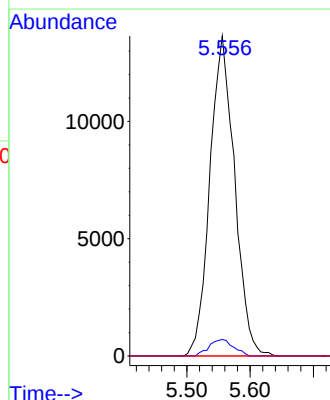
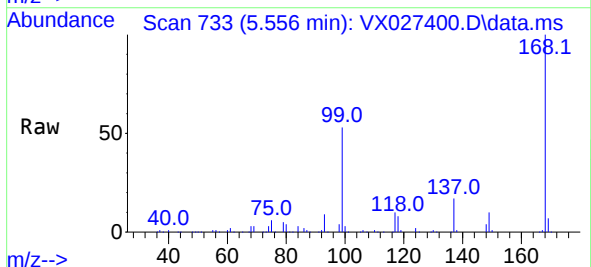
Instrument :
MSVOA_X
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MW-5

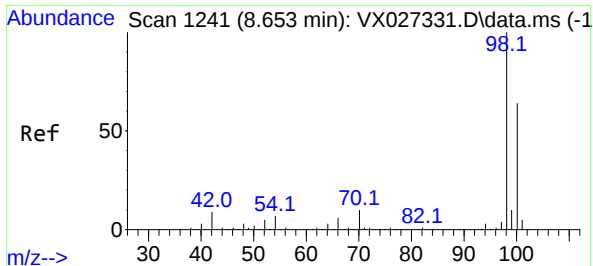
Tgt Ion: 75 Resp: 24621
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.353 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 117 Resp: 37008
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#

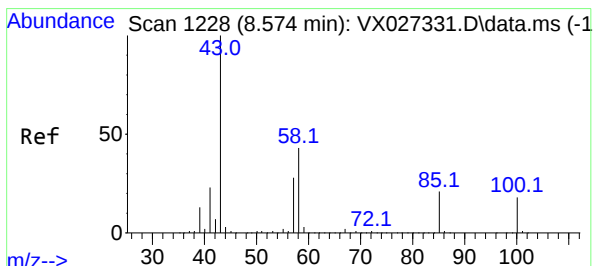
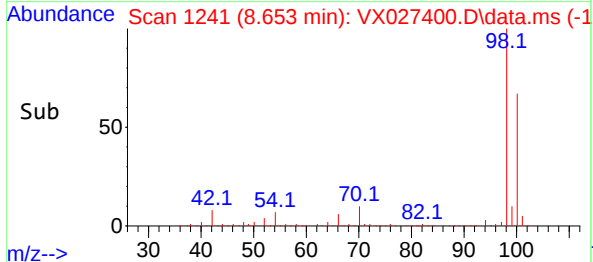
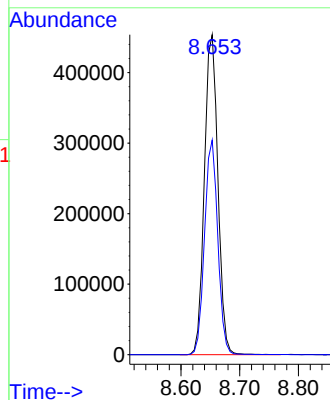
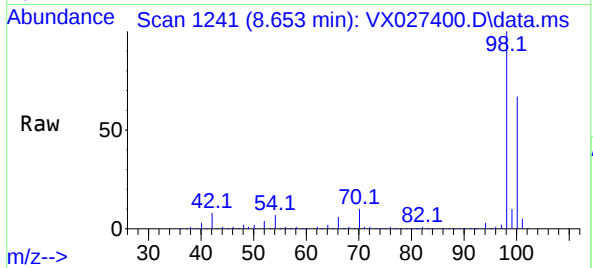




#50
Toluene-d8
Concen: 47.401 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

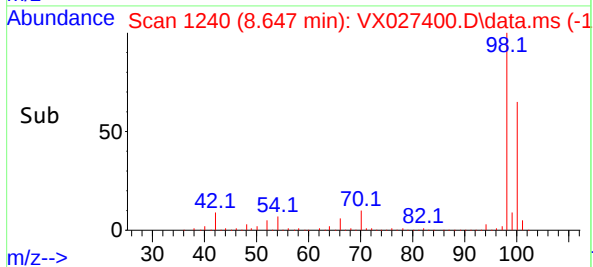
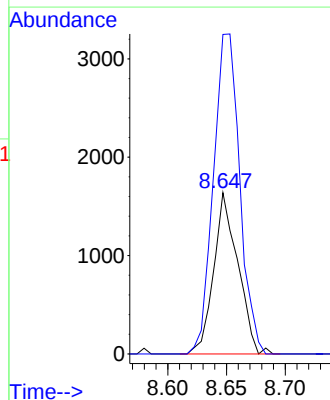
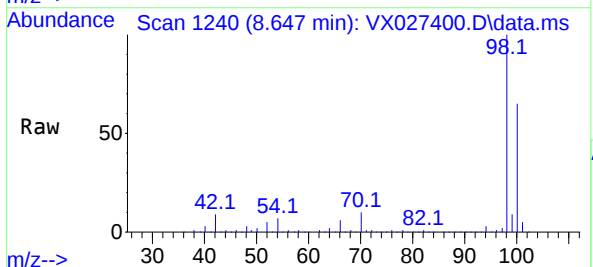
Instrument :
MSVOA_X
ClientSampleId :
MW-5

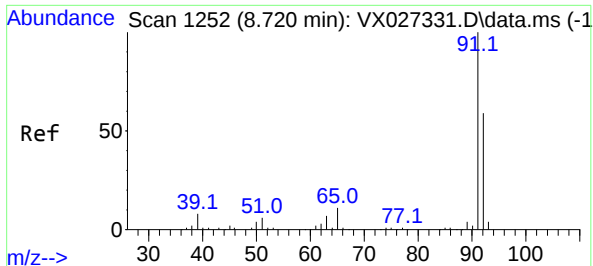
Tgt Ion: 98 Resp: 726111
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.391 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 43 Resp: 2342
Ion Ratio Lower Upper
43 100
58 216.5 36.1 54.1#





#52

Toluene

Concen: 0.238 ug/l

RT: 8.726 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX027400.D

Acq: 11 Mar 2022 14:31

Instrument :

MSVOA_X

ClientSampleId :

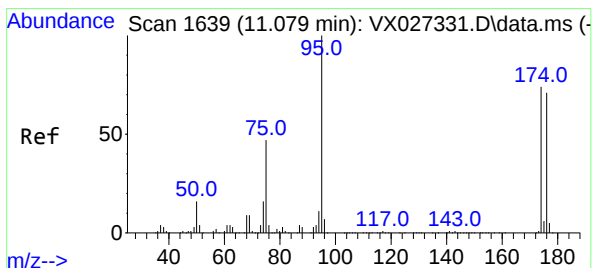
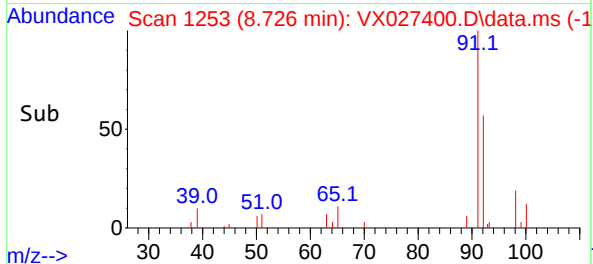
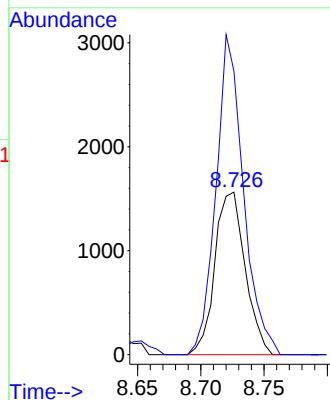
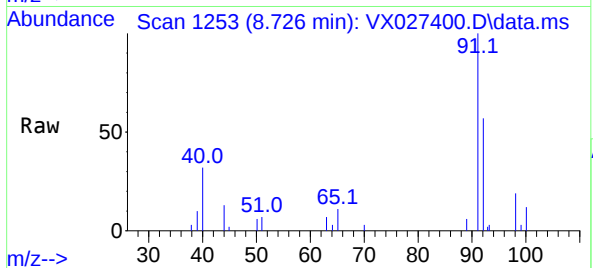
MW-5

Tgt Ion: 92 Resp: 2604

Ion Ratio Lower Upper

92 100

91 178.6 137.5 206.3



#62

4-Bromofluorobenzene

Concen: 44.292 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX027400.D

Acq: 11 Mar 2022 14:31

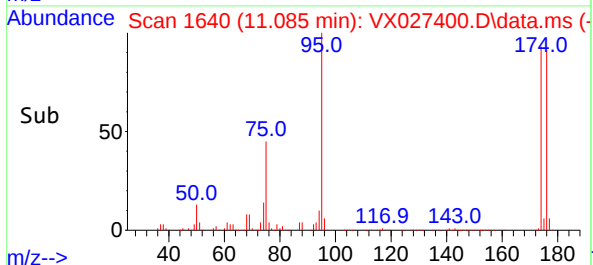
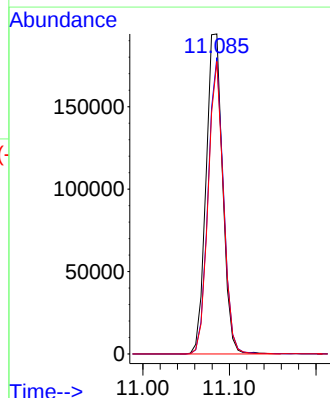
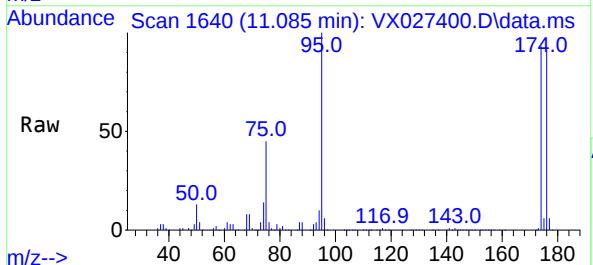
Tgt Ion: 95 Resp: 258593

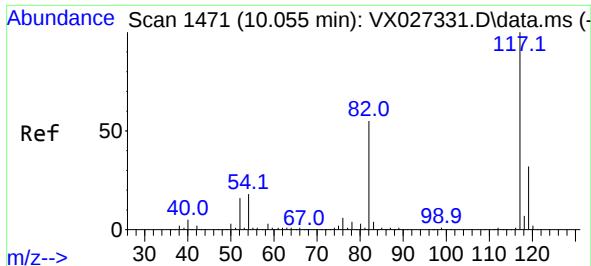
Ion Ratio Lower Upper

95 100

174 85.8 0.0 163.0

176 83.9 0.0 155.0

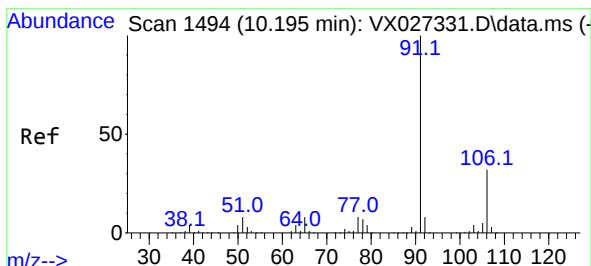
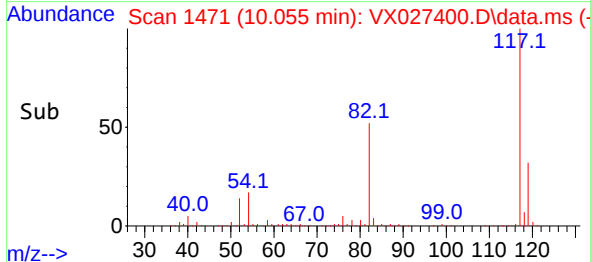
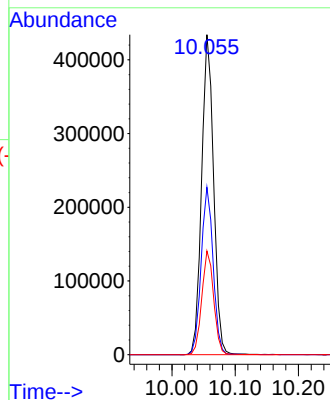
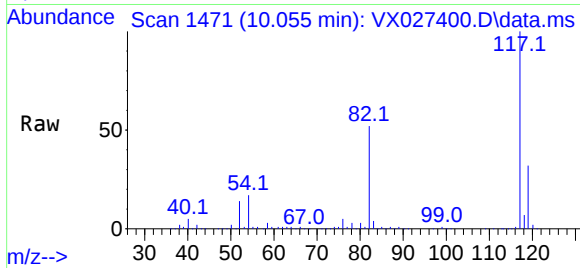




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

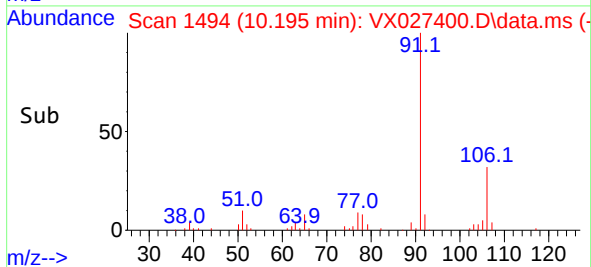
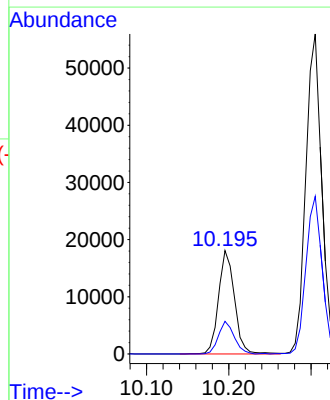
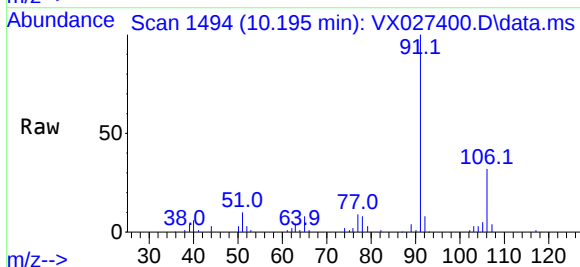
Instrument :
MSVOA_X
ClientSampleId :
MW-5

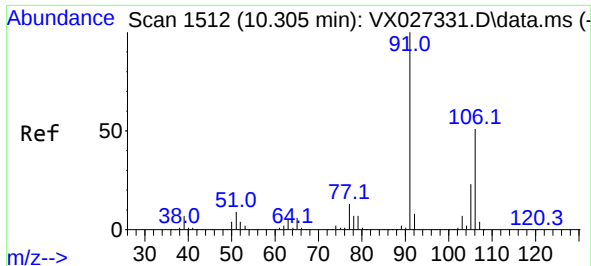
Tgt Ion:117 Resp: 573076
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 32.4 24.8 37.2



#67
Ethyl Benzene
Concen: 1.174 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 91 Resp: 24411
Ion Ratio Lower Upper
91 100
106 31.6 24.6 36.8

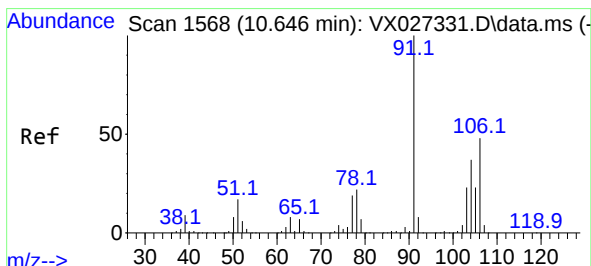
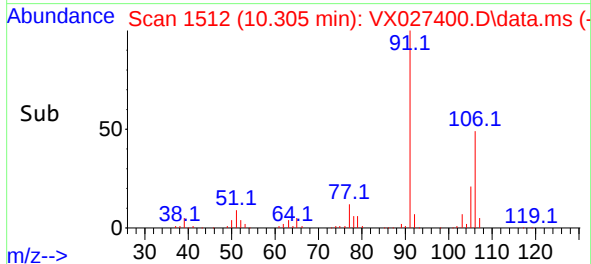
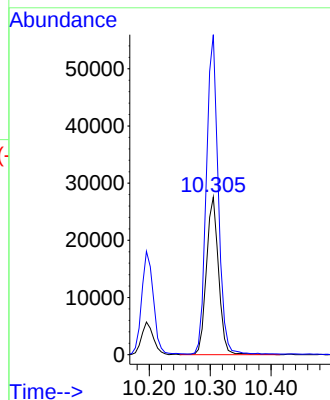
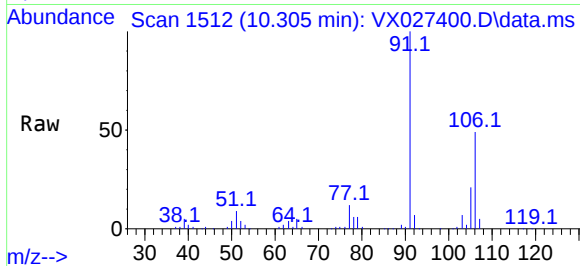




#68
m/p-Xylenes
Concen: 4.696 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

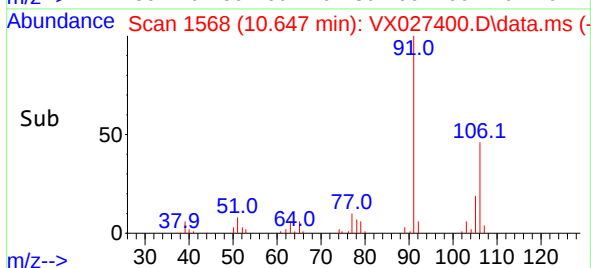
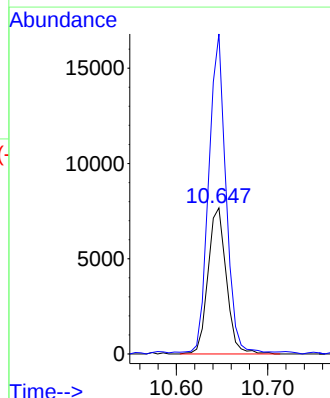
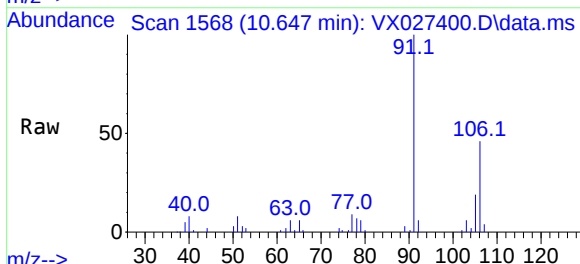
Instrument :
MSVOA_X
ClientSampleId :
MW-5

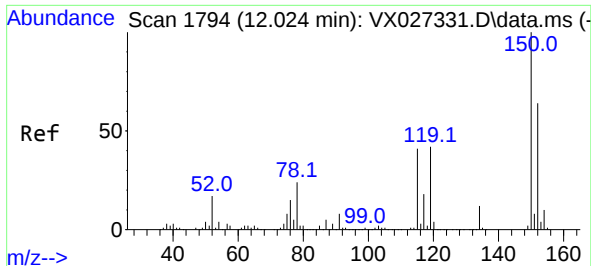
Tgt Ion:106 Resp: 38297
Ion Ratio Lower Upper
106 100
91 197.7 160.4 240.6



#69
o-Xylene
Concen: 1.328 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion:106 Resp: 10697
Ion Ratio Lower Upper
106 100
91 204.1 106.1 318.1

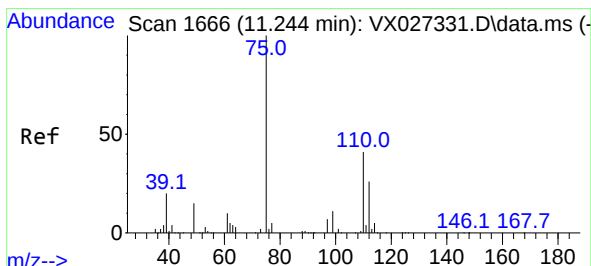
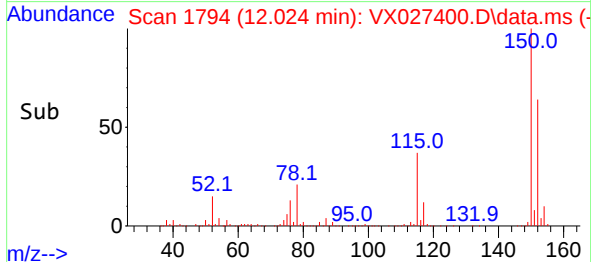
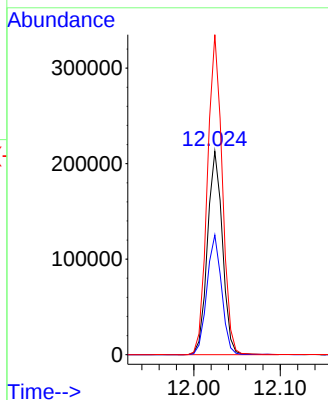
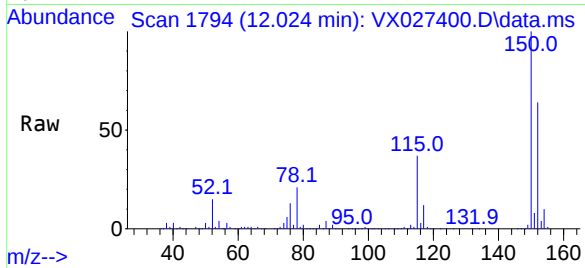




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

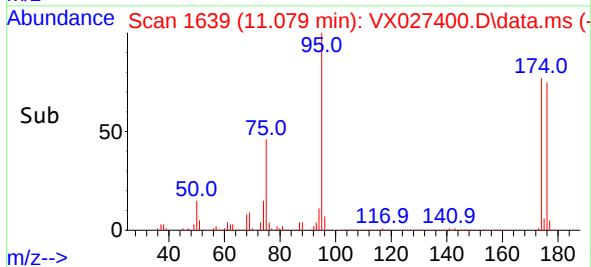
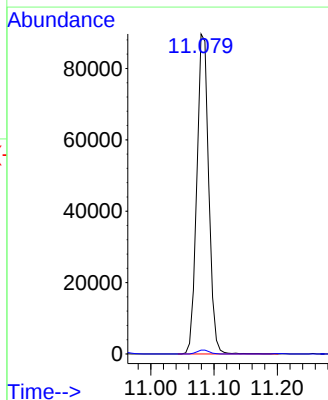
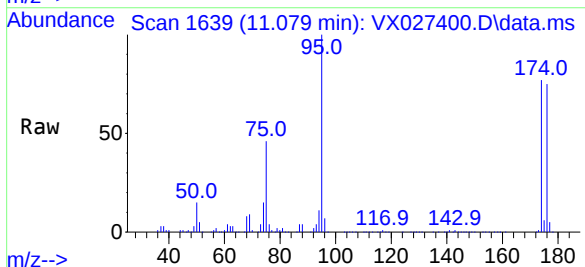
Instrument :
MSVOA_X
ClientSampleId :
MW-5

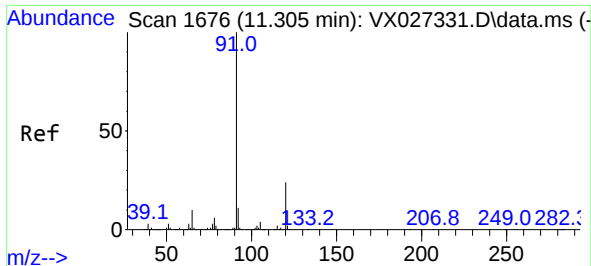
Tgt Ion:152 Resp: 255924
Ion Ratio Lower Upper
152 100
115 57.7 37.5 112.7
150 156.2 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 20.929 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 75 Resp: 117519
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

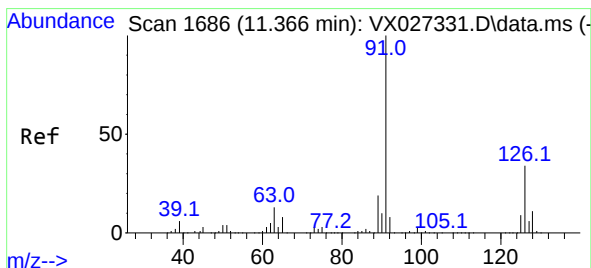
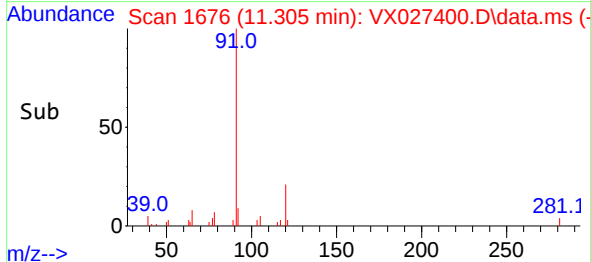
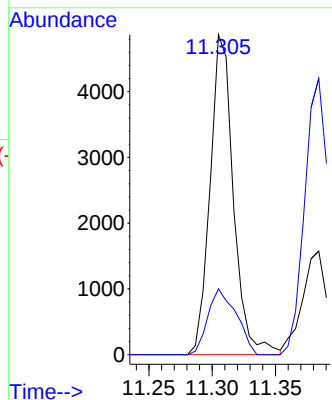
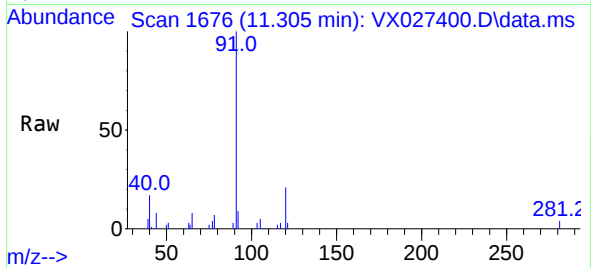




#78
n-propylbenzene
Concen: 0.297 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

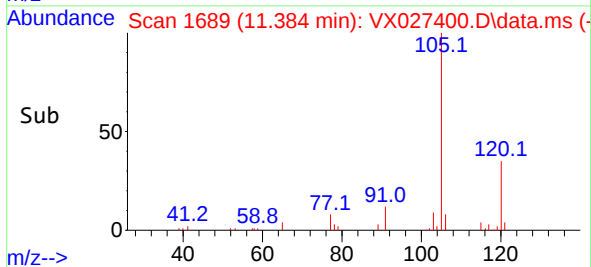
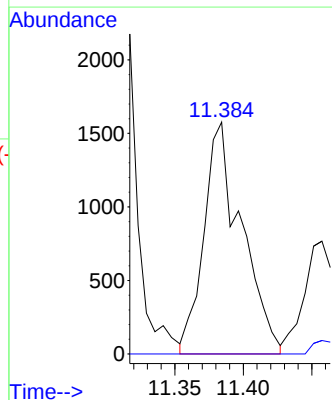
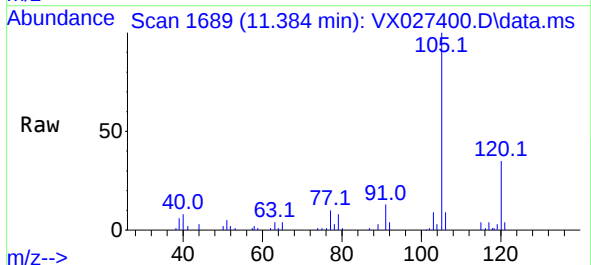
Instrument :
MSVOA_X
ClientSampleId :
MW-5

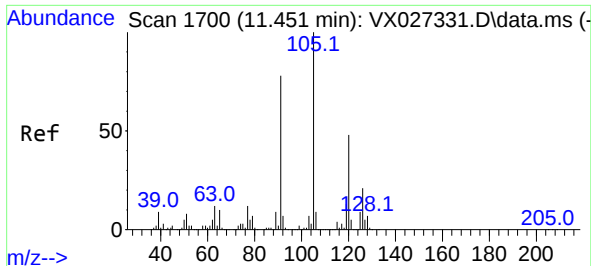
Tgt Ion: 91 Resp: 6247
Ion Ratio Lower Upper
91 100
120 25.1 11.6 34.8



#79
2-Chlorotoluene
Concen: 0.229 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.018 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 91 Resp: 3008
Ion Ratio Lower Upper
91 100
126 0.0 17.3 51.9#

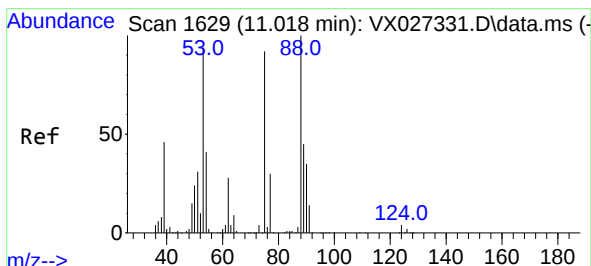
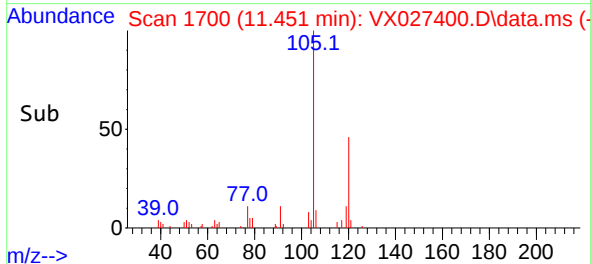
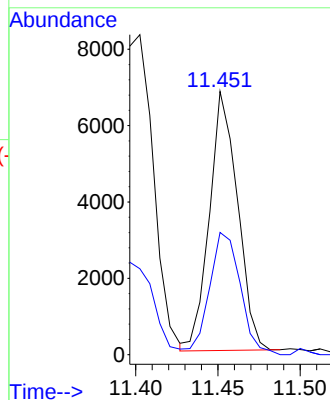
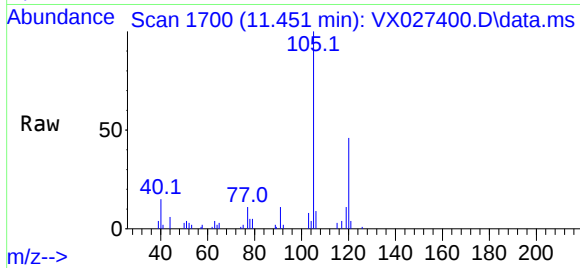




#80
1,3,5-Trimethylbenzene
Concen: 0.503 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

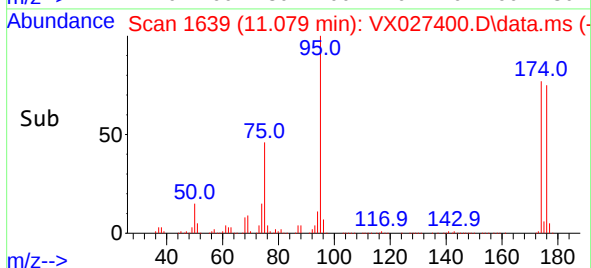
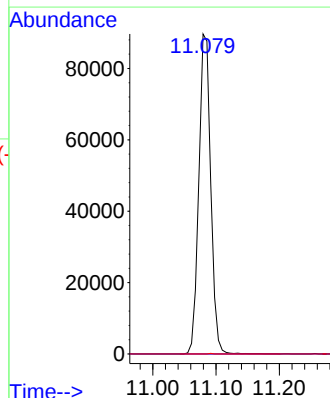
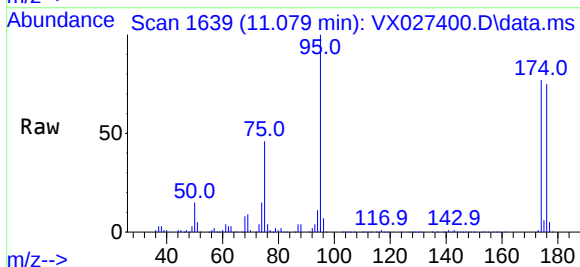
Instrument :
MSVOA_X
ClientSampleId :
MW-5

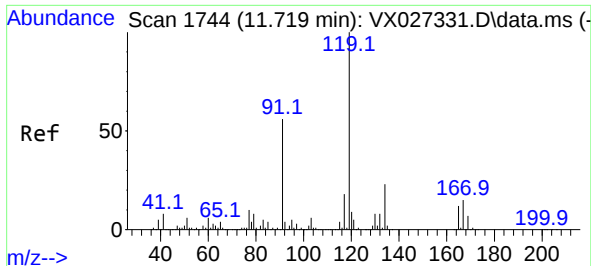
Tgt Ion:105 Resp: 8079
Ion Ratio Lower Upper
105 100
120 51.9 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 67.687 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion: 75 Resp: 117519
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

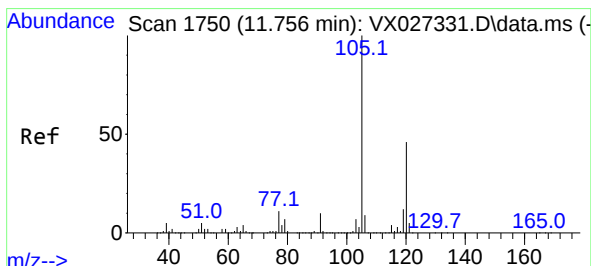
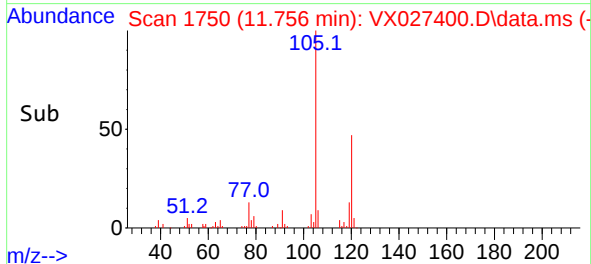
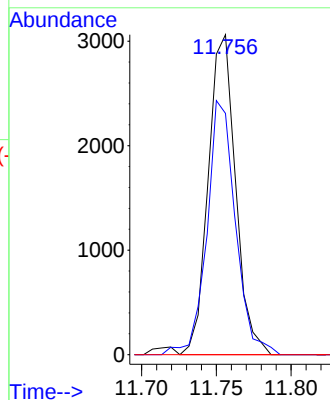
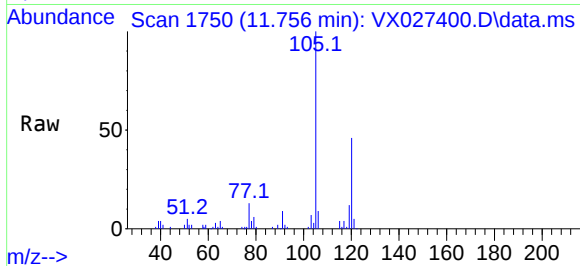




#83
tert-Butylbenzene
Concen: 0.243 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.037 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

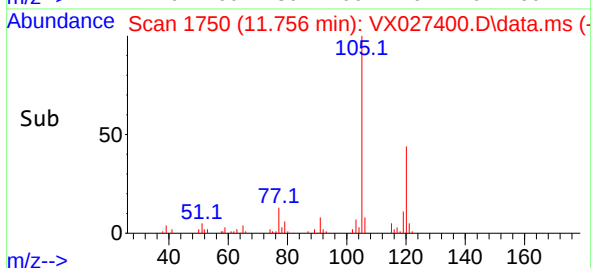
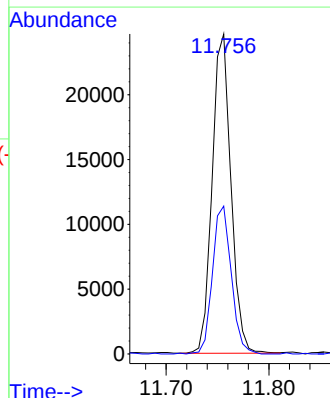
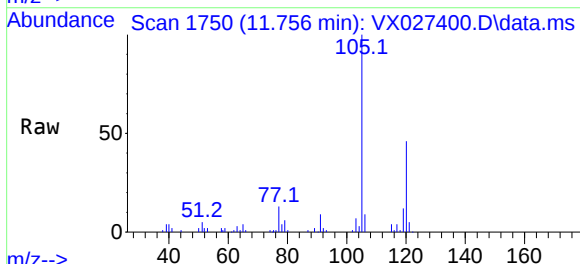
Instrument :
MSVOA_X
ClientSampleId :
MW-5

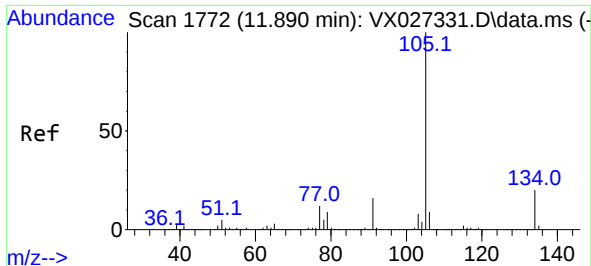
Tgt Ion:119 Resp: 3892
Ion Ratio Lower Upper
119 100
91 83.0 26.9 80.6#
134 0.0 11.4 34.2#



#84
1,2,4-Trimethylbenzene
Concen: 1.960 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion:105 Resp: 31190
Ion Ratio Lower Upper
105 100
120 46.4 22.6 67.8

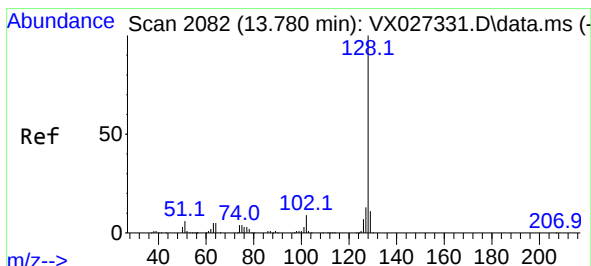
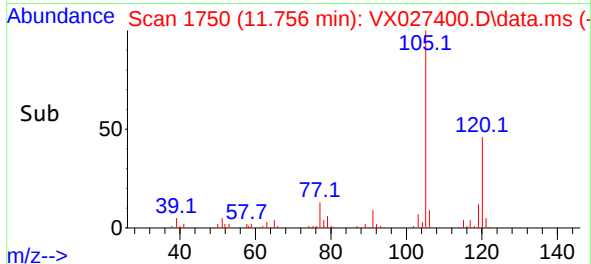
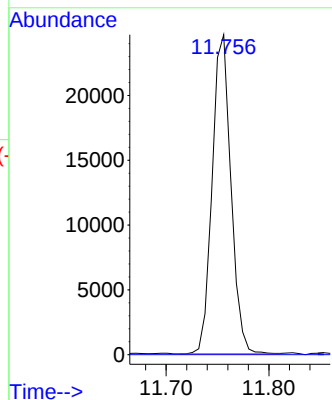
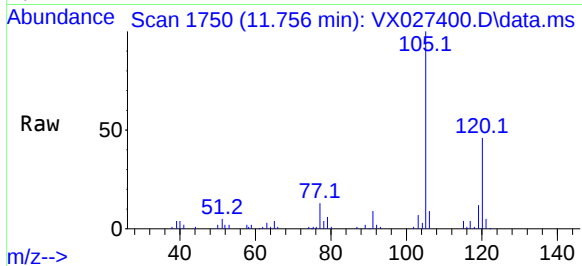




#85
sec-Butylbenzene
Concen: 1.611 ug/l
RT: 11.756 min Scan# 11756
Delta R.T. -0.134 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tgt Ion:105 Resp: 31170
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#



#95
Naphthalene
Concen: 0.943 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027400.D
Acq: 11 Mar 2022 14:31

Tgt Ion:128 Resp: 18180
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.7 8.7 13.1

