

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021622\
 Data File : VX027049.D
 Acq On : 16 Feb 2022 14:50
 Operator : JC/MD
 Sample : N1541-05DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11DL

Quant Time: Feb 17 08:01:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

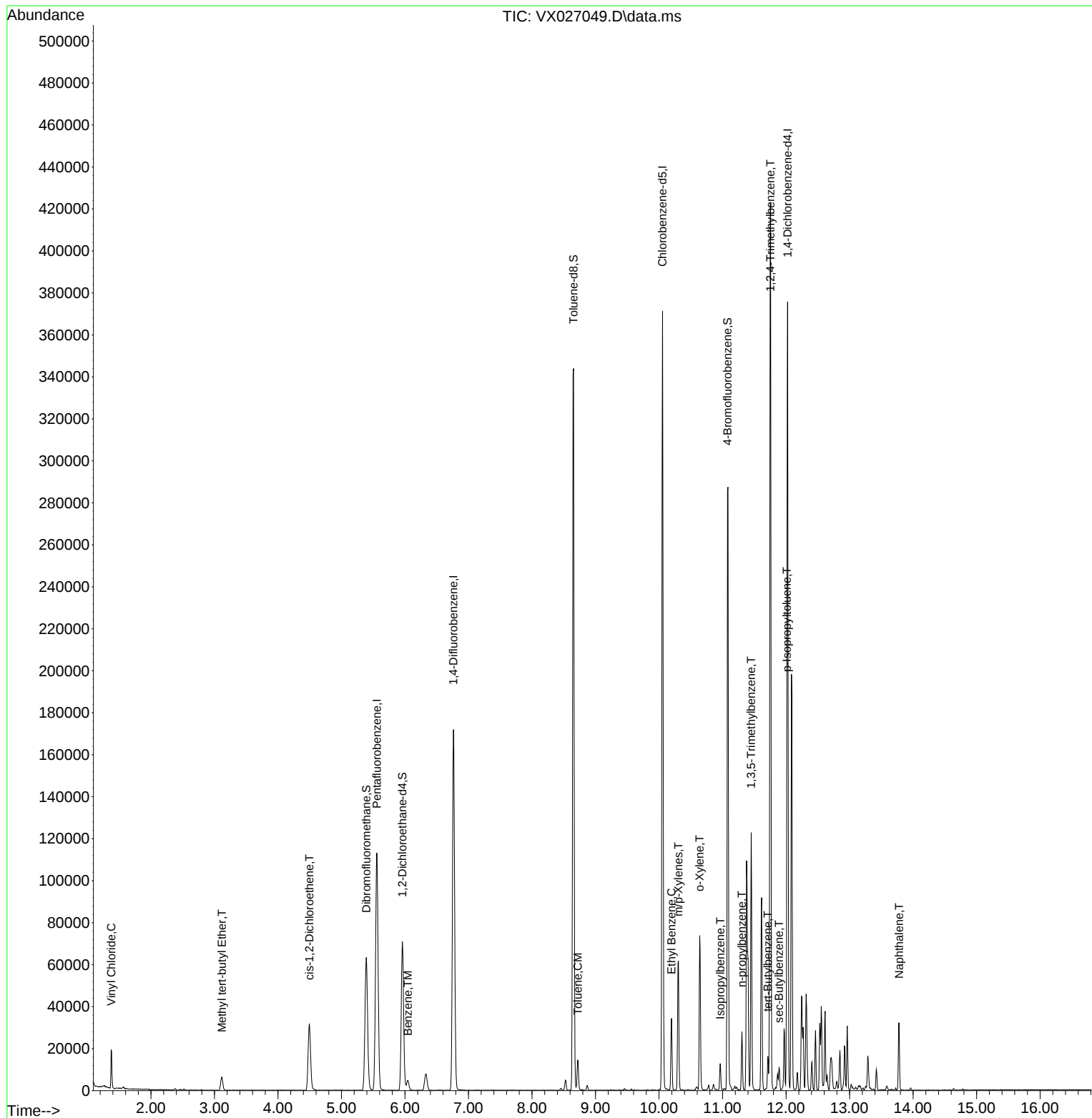
Internal Standards						
1) Pentafluorobenzene	5.556	168	108263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	178747	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	67148	51.669	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 103.340%		
35) Dibromofluoromethane	5.391	113	55816	52.412	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.820%		
50) Toluene-d8	8.653	98	208079	53.230	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 106.460%		
62) 4-Bromofluorobenzene	11.079	95	81619	59.305	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 118.600%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	11626	10.141	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	6671	1.701	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	20327	15.185	ug/l	88
40) Benzene	6.044	78	5638	1.151	ug/l	91
52) Toluene	8.720	92	5918	1.909	ug/l	94
67) Ethyl Benzene	10.195	91	19332	3.225	ug/l	97
68) m/p-Xylenes	10.305	106	14999	6.503	ug/l	97
69) o-Xylene	10.640	106	16359	7.239	ug/l	97
73) Isopropylbenzene	10.963	105	6987	1.155	ug/l	99
78) n-propylbenzene	11.305	91	16410	2.446	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	50797	10.199	ug/l	99
83) tert-Butylbenzene	11.713	119	5591	1.178	ug/l	91
84) 1,2,4-Trimethylbenzene	11.756	105	193401	38.498	ug/l	97
85) sec-Butylbenzene	11.890	105	5978	0.993	ug/l #	71
86) p-Isopropyltoluene	12.012	119	7429	1.457	ug/l	99
95) Naphthalene	13.780	128	20440	3.636	ug/l	99

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

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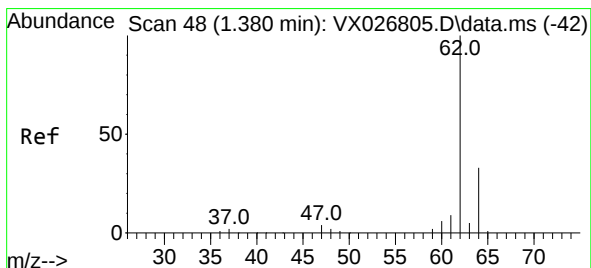
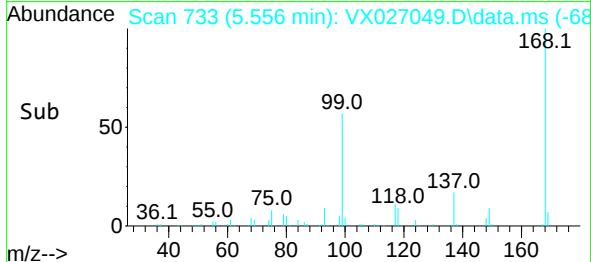
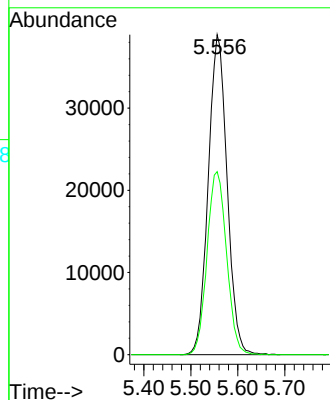
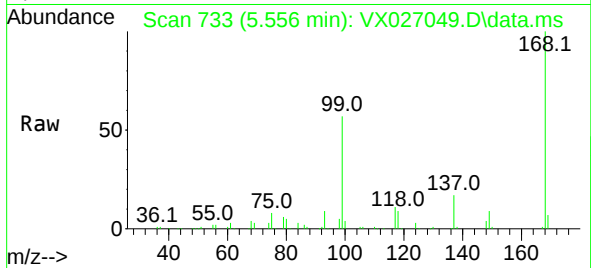




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

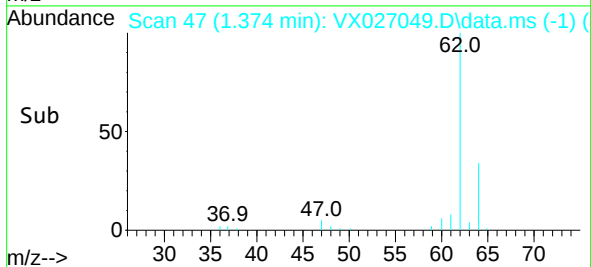
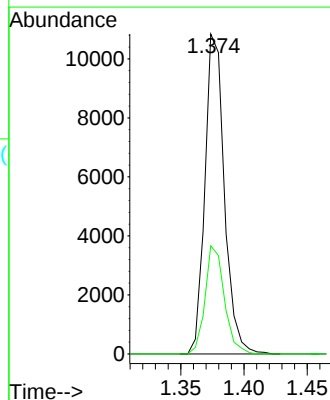
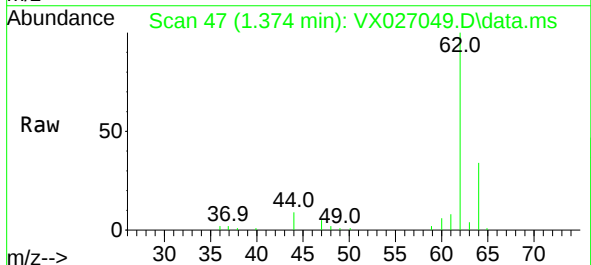
Instrument :
MSVOA_X
ClientSampleId :
MW-11DL

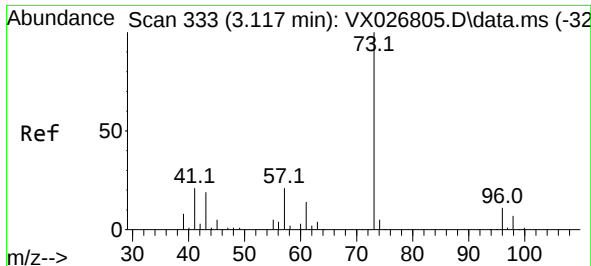
Tgt Ion:168 Resp: 108263
Ion Ratio Lower Upper
168 100
99 57.2 50.3 75.5



#4
Vinyl Chloride
Concen: 10.141 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.006 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

Tgt Ion: 62 Resp: 11626
Ion Ratio Lower Upper
62 100
64 33.8 26.2 39.2

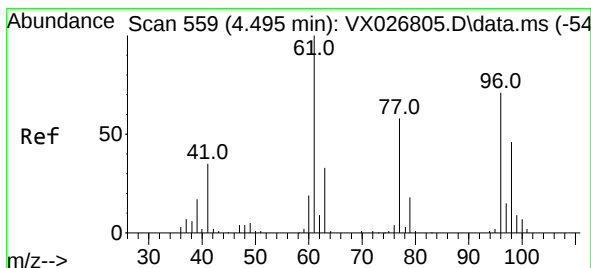
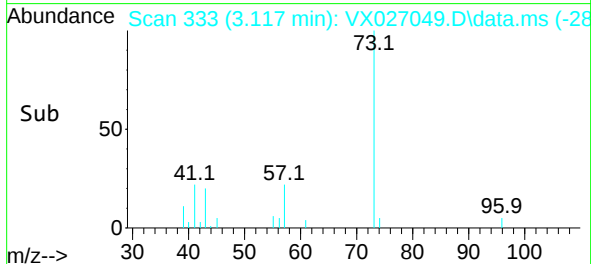
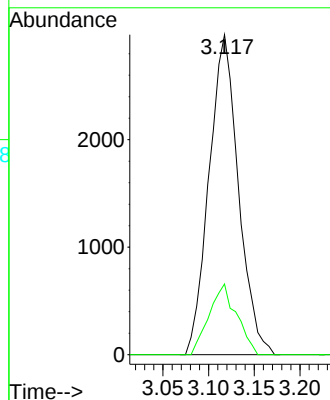
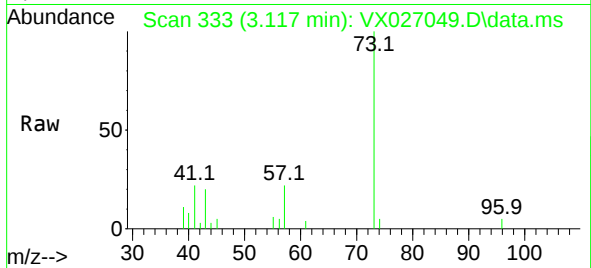




#19
Methyl tert-butyl Ether
Concen: 1.701 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

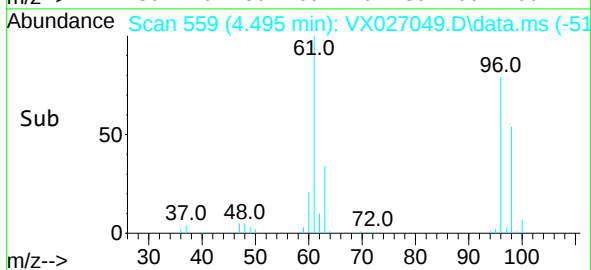
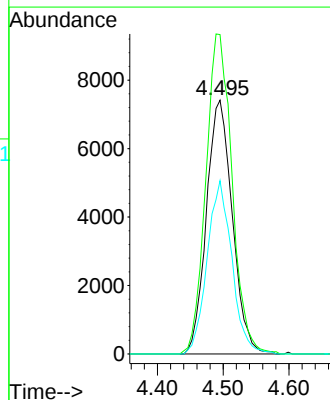
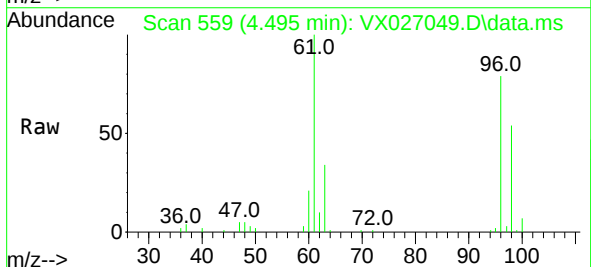
Instrument :
MSVOA_X
ClientSampleId :
MW-11DL

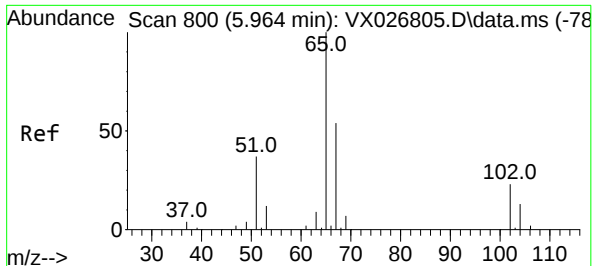
Tgt Ion: 73 Resp: 6671
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.2



#27
cis-1,2-Dichloroethene
Concen: 15.185 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

Tgt Ion: 96 Resp: 20327
Ion Ratio Lower Upper
96 100
61 127.5 0.0 296.6
98 65.1 0.0 128.8





#33

1,2-Dichloroethane-d4

Concen: 51.669 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX027049.D

Acq: 16 Feb 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

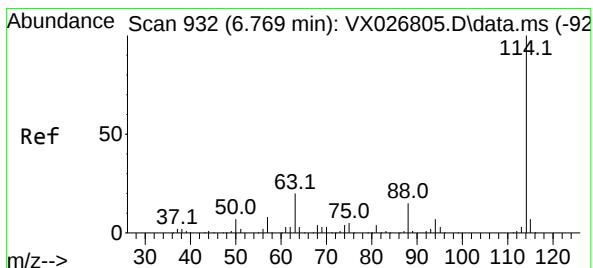
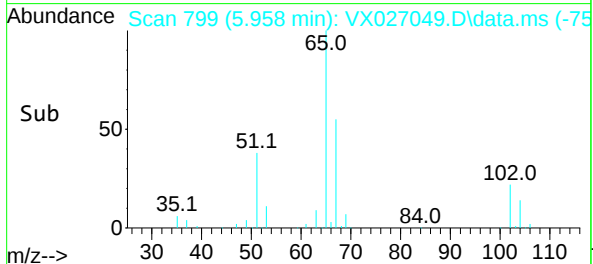
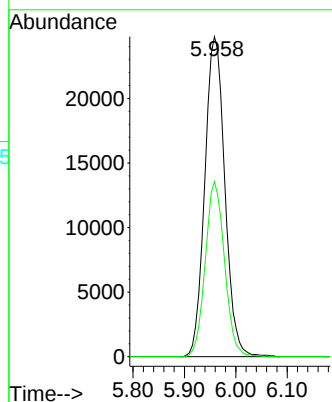
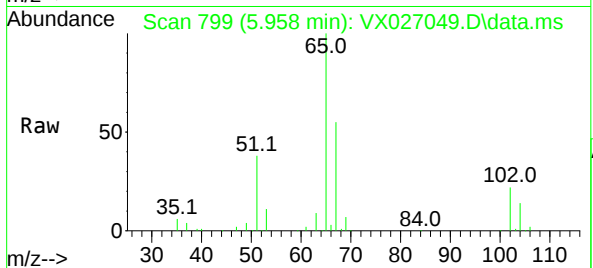
MW-11DL

Tgt Ion: 65 Resp: 67148

Ion Ratio Lower Upper

65 100

67 52.5 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX027049.D

Acq: 16 Feb 2022 14:50

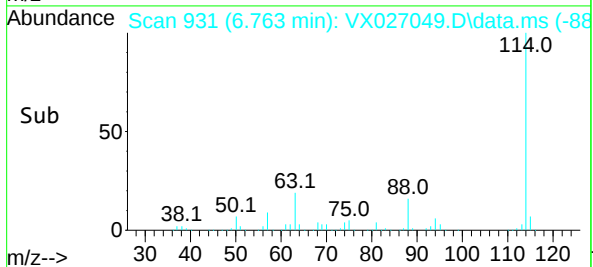
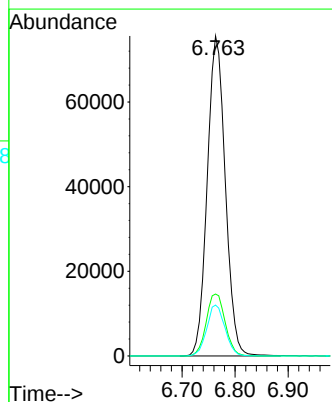
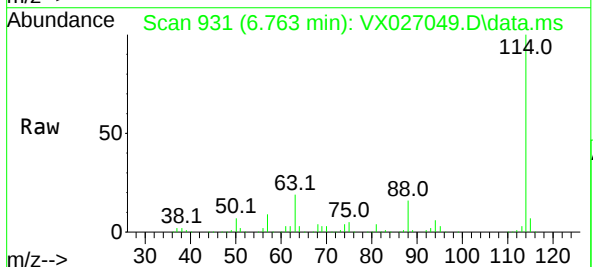
Tgt Ion: 114 Resp: 178747

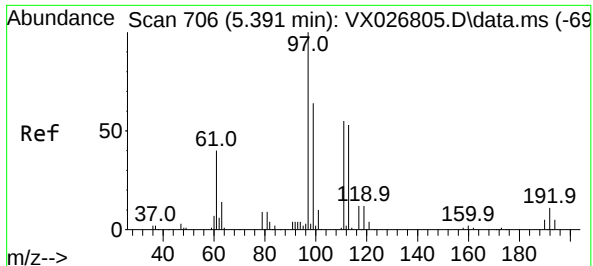
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.8

88 15.9 0.0 33.0

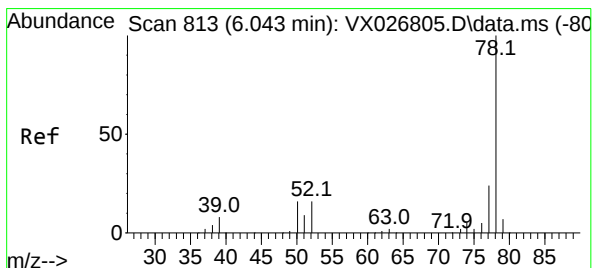
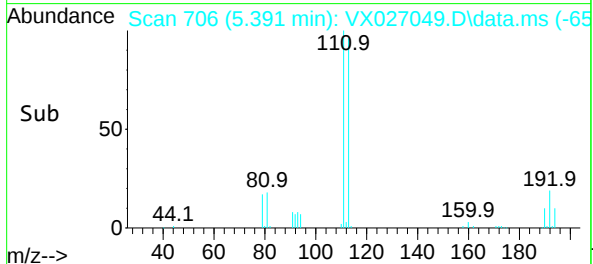
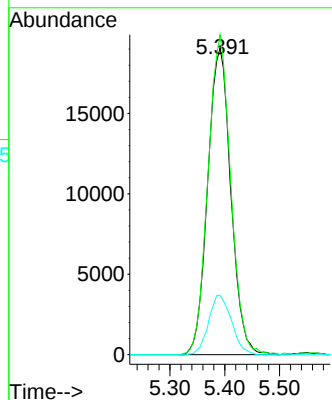
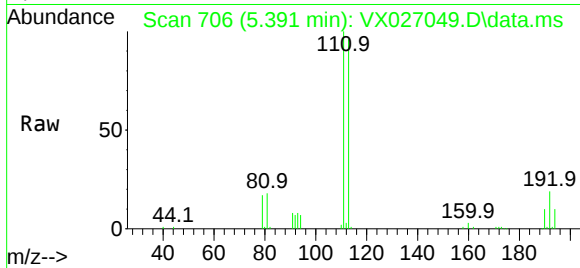




#35
Dibromofluoromethane
Concen: 52.412 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

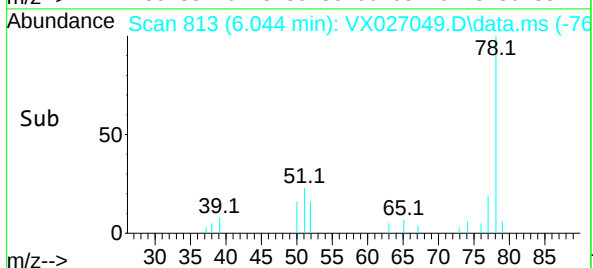
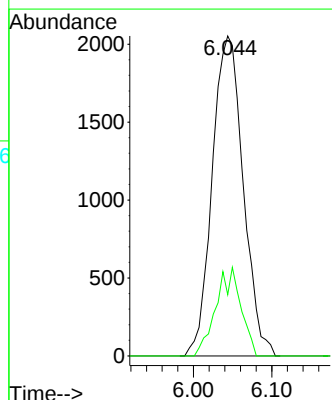
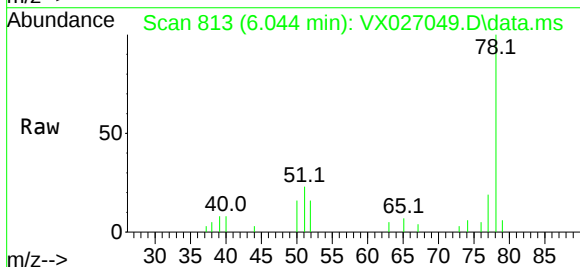
Instrument :
MSVOA_X
ClientSampleId :
MW-11DL

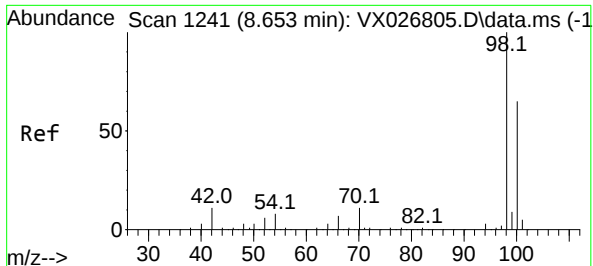
Tgt Ion:113 Resp: 55816
Ion Ratio Lower Upper
113 100
111 102.9 81.2 121.8
192 19.2 15.0 22.4



#40
Benzene
Concen: 1.151 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

Tgt Ion: 78 Resp: 5638
Ion Ratio Lower Upper
78 100
77 19.1 18.9 28.3

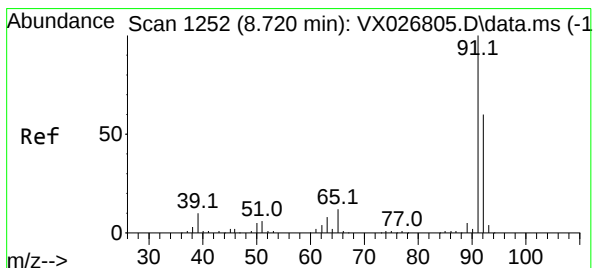
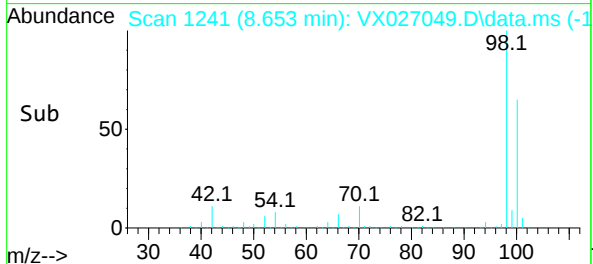
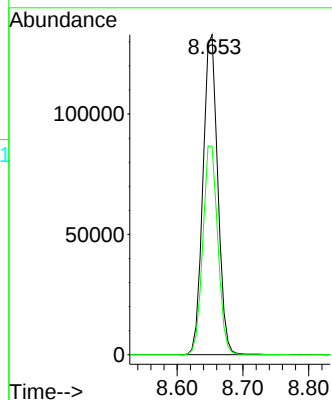
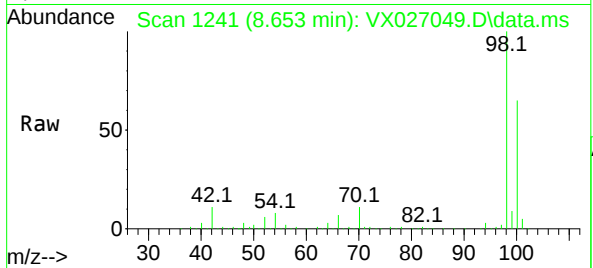




#50
Toluene-d8
Concen: 53.230 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

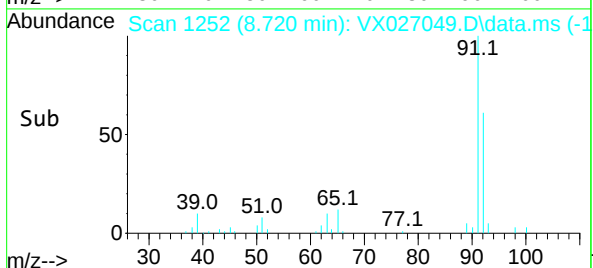
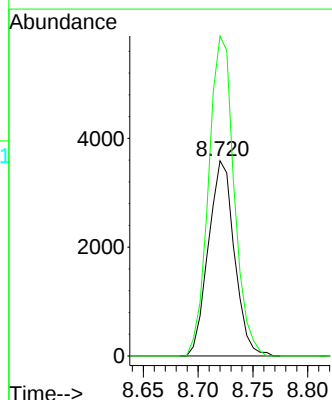
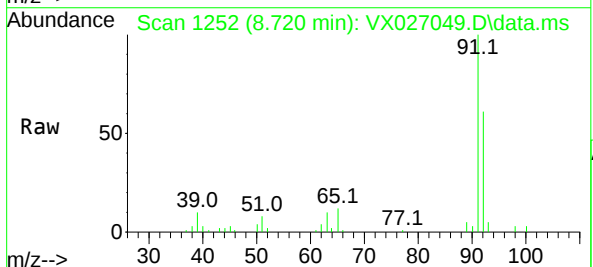
Instrument :
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ClientSampleId :
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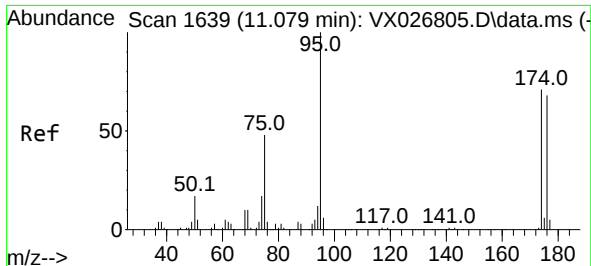
Tgt Ion: 98 Resp: 208079
Ion Ratio Lower Upper
98 100
100 66.1 53.2 79.8



#52
Toluene
Concen: 1.909 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

Tgt Ion: 92 Resp: 5918
Ion Ratio Lower Upper
92 100
91 160.8 135.7 203.5





#62

4-Bromofluorobenzene

Concen: 59.305 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027049.D

Acq: 16 Feb 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

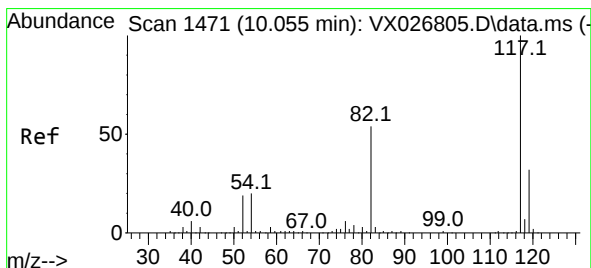
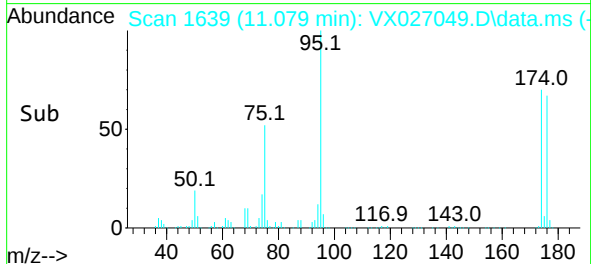
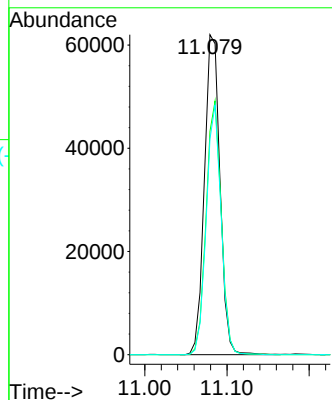
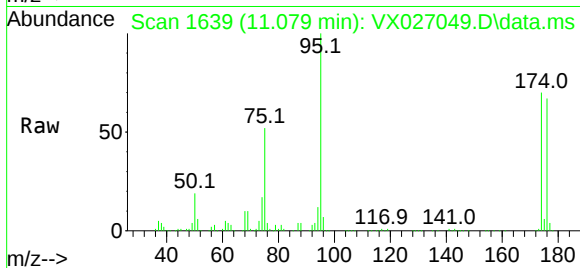
Tgt Ion: 95 Resp: 81619

Ion Ratio Lower Upper

95 100

174 77.0 0.0 148.6

176 74.4 0.0 141.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX027049.D

Acq: 16 Feb 2022 14:50

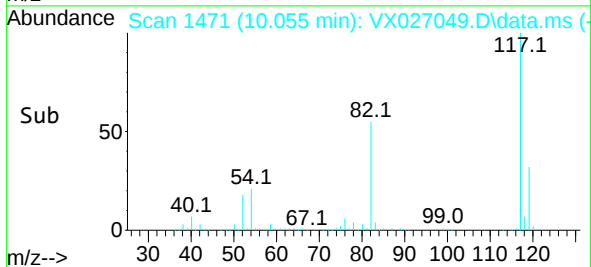
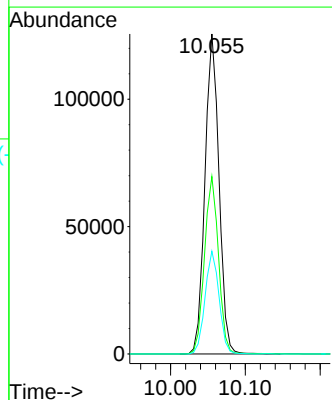
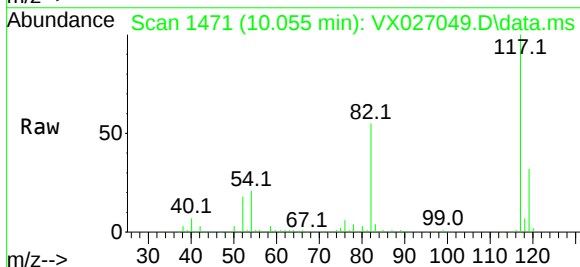
Tgt Ion: 117 Resp: 163772

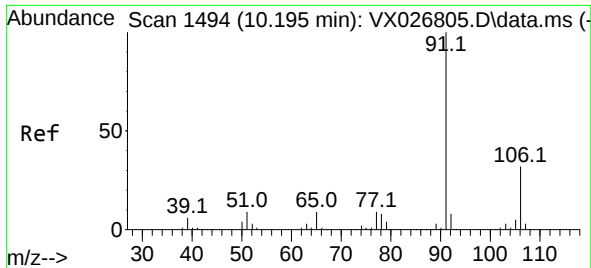
Ion Ratio Lower Upper

117 100

82 55.4 45.2 67.8

119 32.1 26.2 39.2

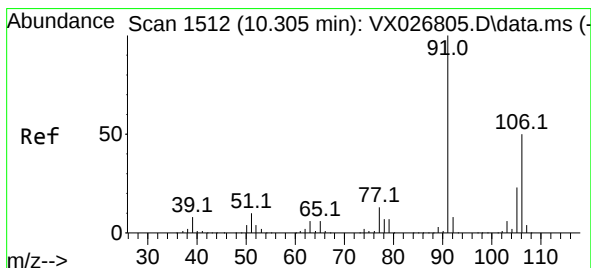
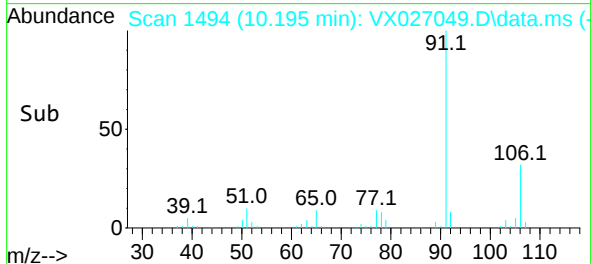
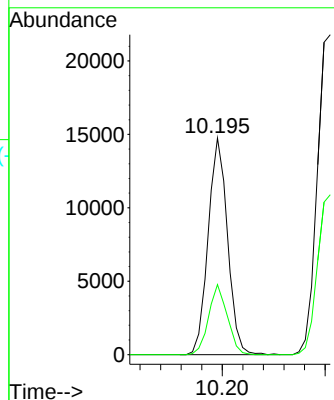
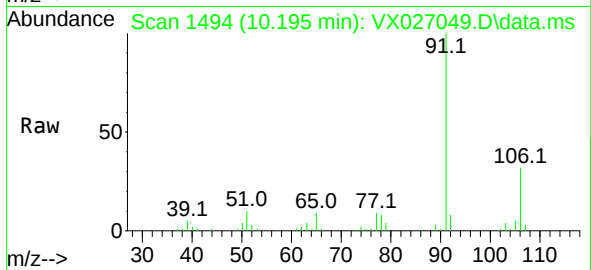




#67
Ethyl Benzene
Concen: 3.225 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

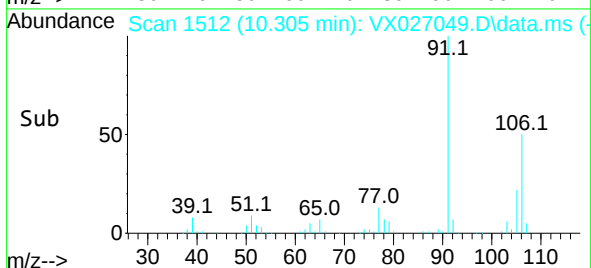
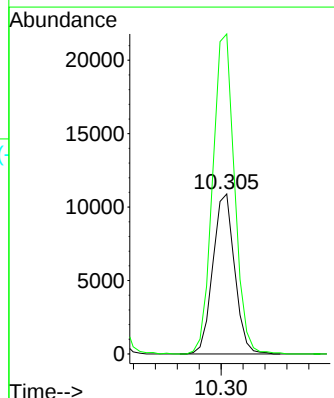
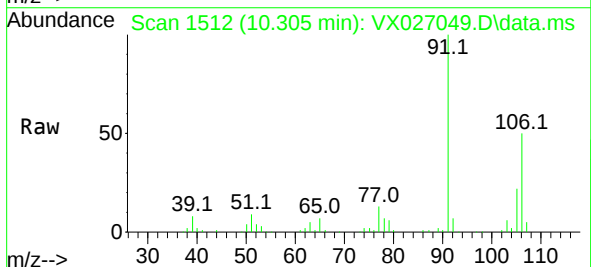
Instrument :
MSVOA_X
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MW-11DL

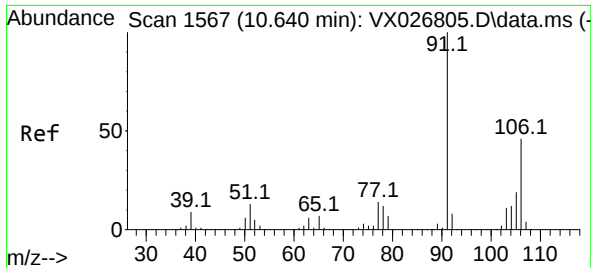
Tgt Ion: 91 Resp: 19332
Ion Ratio Lower Upper
91 100
106 32.4 24.7 37.1



#68
m/p-Xylenes
Concen: 6.503 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

Tgt Ion: 106 Resp: 14999
Ion Ratio Lower Upper
106 100
91 201.4 165.3 247.9

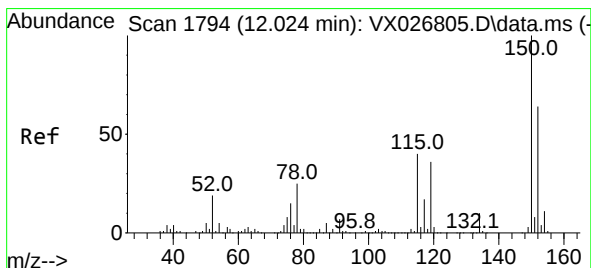
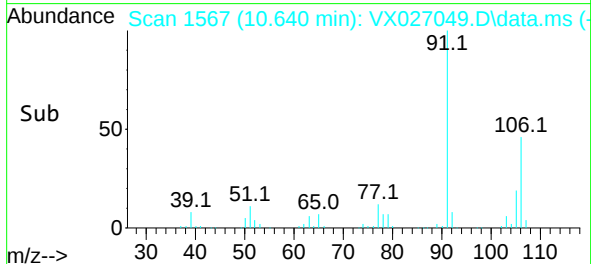
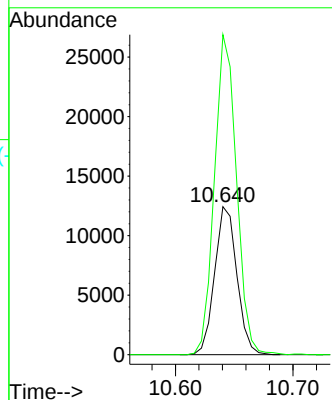
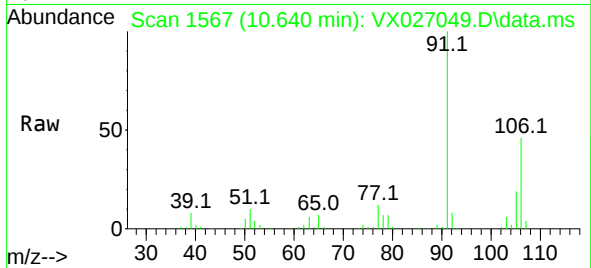




#69
o-Xylene
Concen: 7.239 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

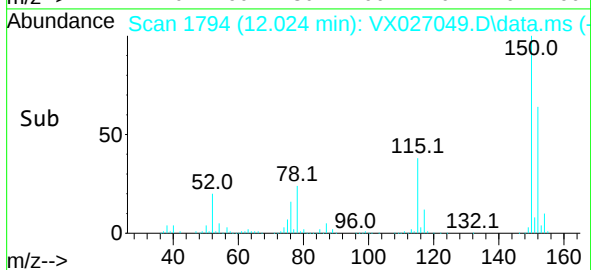
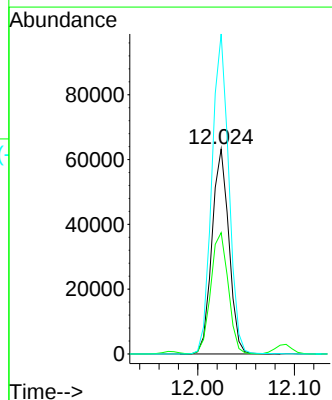
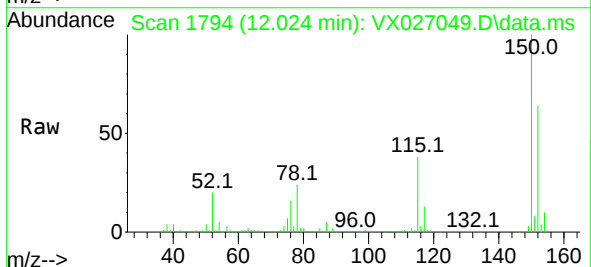
Instrument :
MSVOA_X
ClientSampleId :
MW-11DL

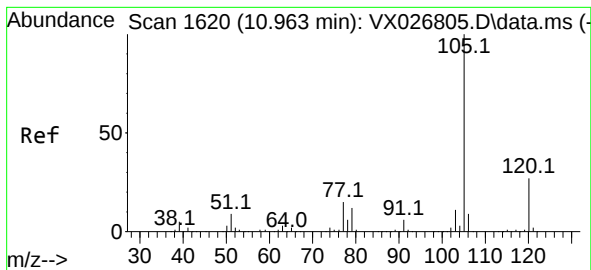
Tgt Ion:106 Resp: 16359
Ion Ratio Lower Upper
106 100
91 214.5 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

Tgt Ion:152 Resp: 76828
Ion Ratio Lower Upper
152 100
115 61.0 44.2 132.6
150 156.5 0.0 348.2





#73

Isopropylbenzene

Concen: 1.155 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX027049.D

Acq: 16 Feb 2022 14:50

Instrument :

MSVOA_X

ClientSampleId :

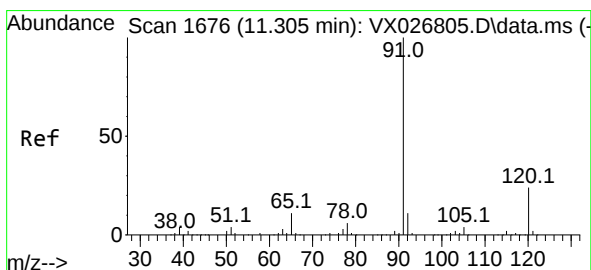
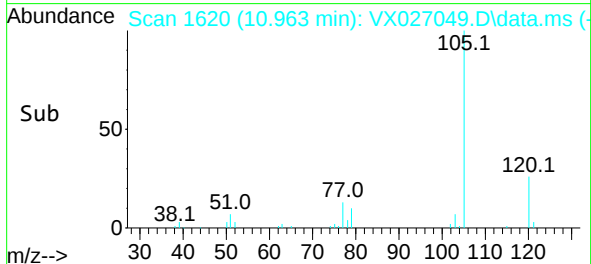
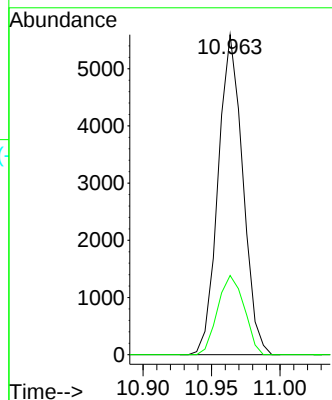
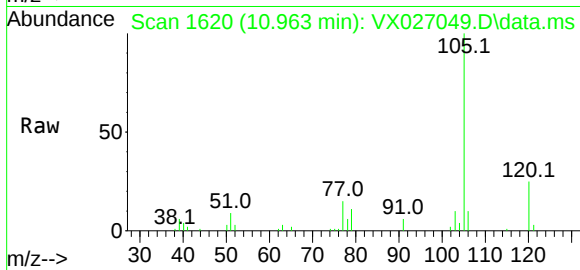
MW-11DL

Tgt Ion:105 Resp: 6987

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.1



#78

n-propylbenzene

Concen: 2.446 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX027049.D

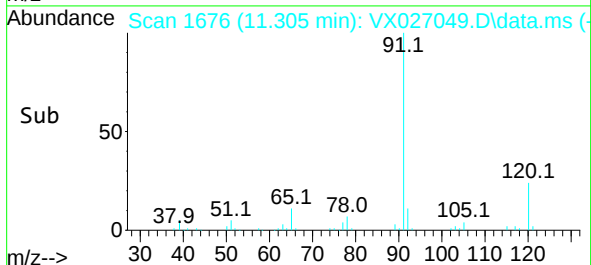
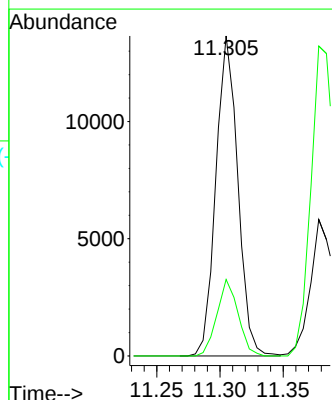
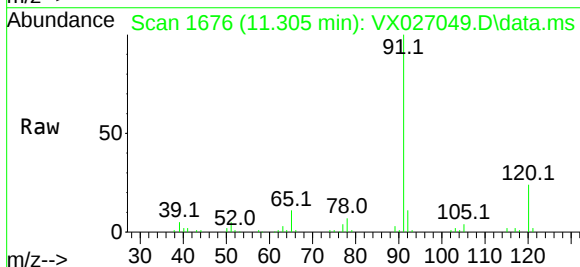
Acq: 16 Feb 2022 14:50

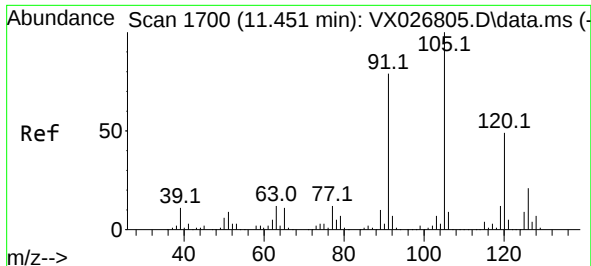
Tgt Ion: 91 Resp: 16410

Ion Ratio Lower Upper

91 100

120 23.1 11.6 34.7

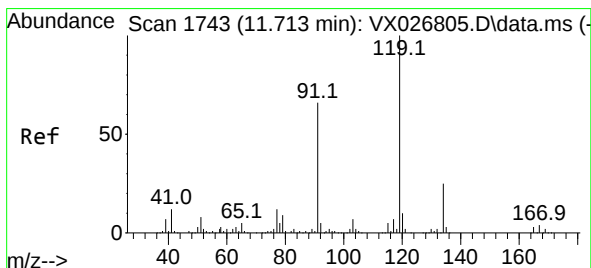
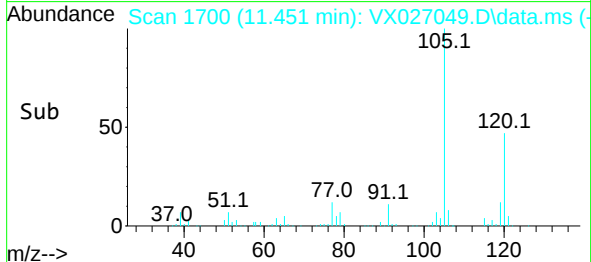
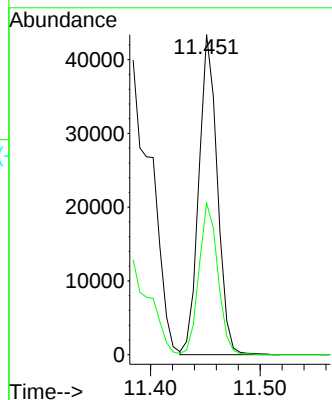
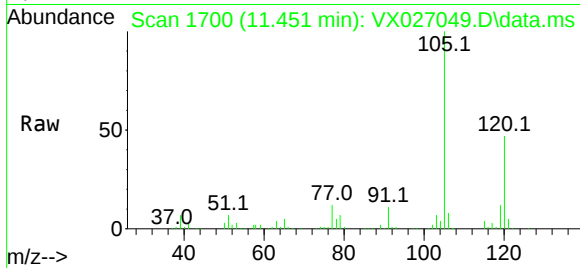




#80
1,3,5-Trimethylbenzene
Concen: 10.199 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

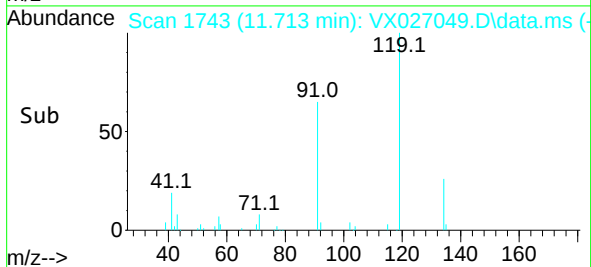
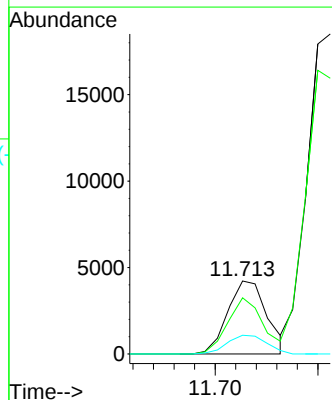
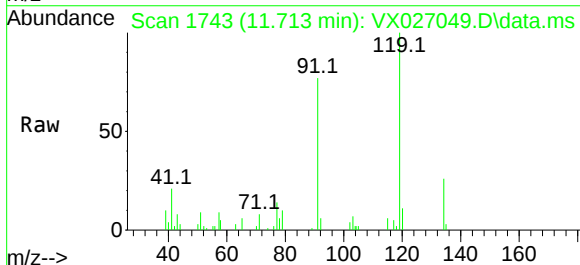
Instrument :
MSVOA_X
ClientSampleId :
MW-11DL

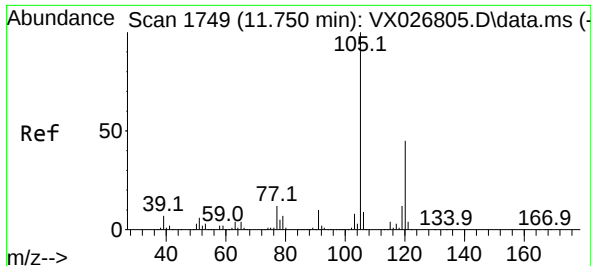
Tgt Ion:105 Resp: 50797
Ion Ratio Lower Upper
105 100
120 48.5 24.0 72.0



#83
tert-Butylbenzene
Concen: 1.178 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

Tgt Ion:119 Resp: 5591
Ion Ratio Lower Upper
119 100
91 70.5 31.4 94.0
134 25.9 11.8 35.3

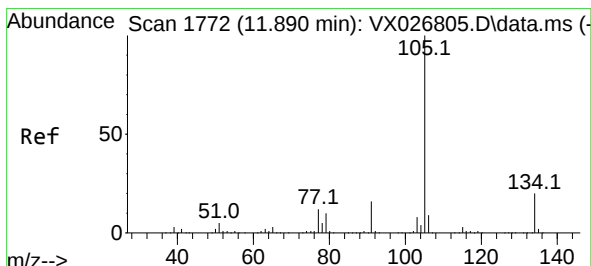
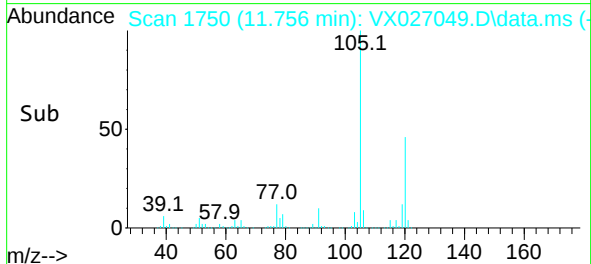
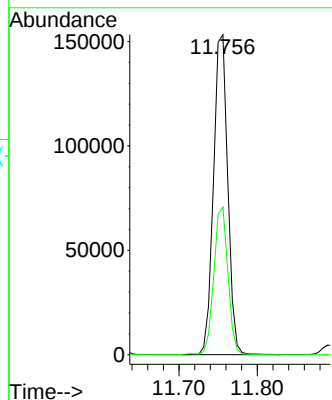
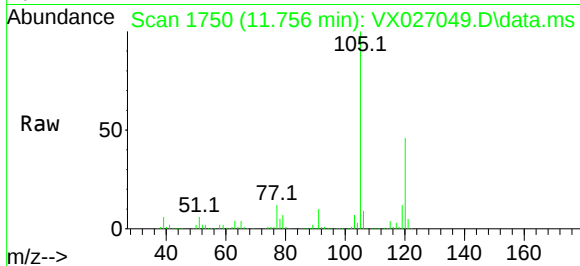




#84
1,2,4-Trimethylbenzene
Concen: 38.498 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

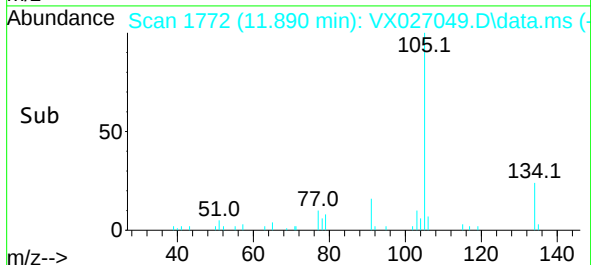
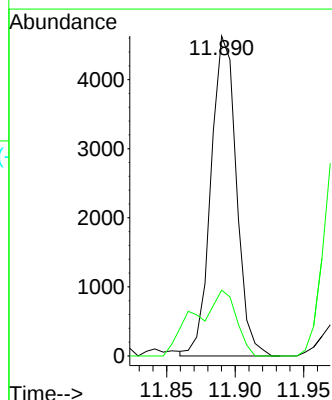
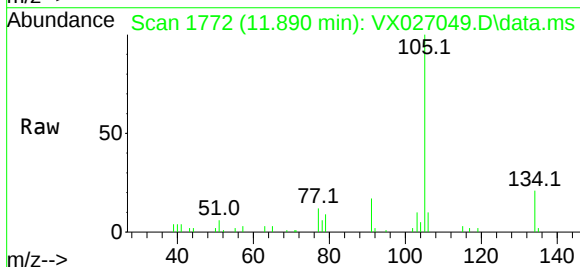
Instrument :
MSVOA_X
ClientSampleId :
MW-11DL

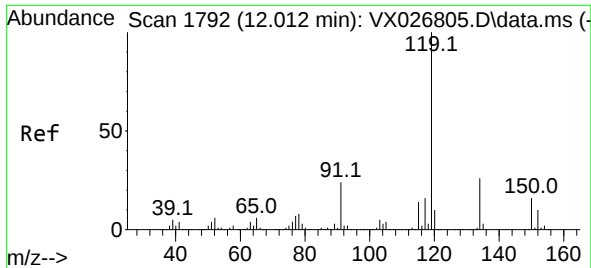
Tgt Ion:105 Resp: 193401
Ion Ratio Lower Upper
105 100
120 45.9 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.993 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX027049.D
Acq: 16 Feb 2022 14:50

Tgt Ion:105 Resp: 5978
Ion Ratio Lower Upper
105 100
134 33.4 10.1 30.1#

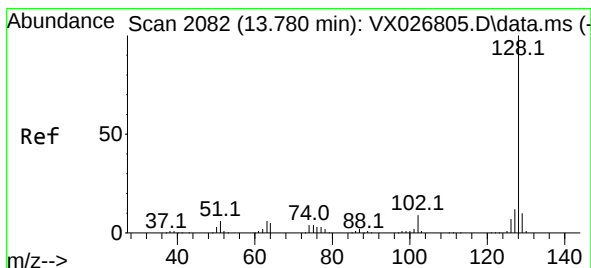
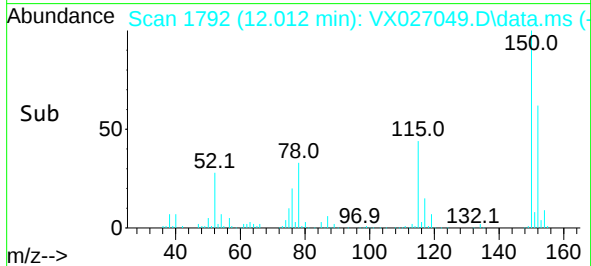
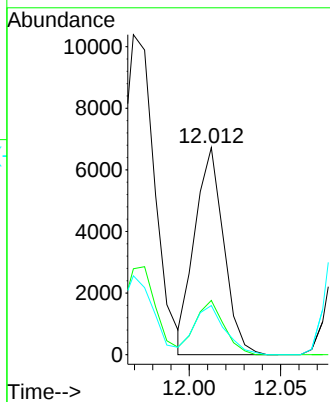
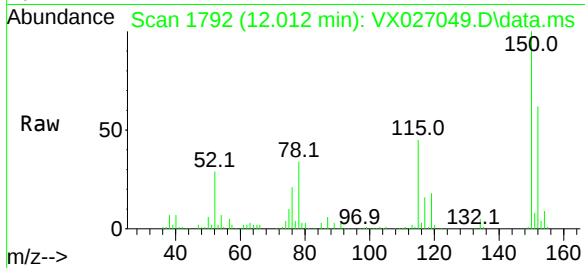




#86
 p-Isopropyltoluene
 Concen: 1.457 ug/l
 RT: 12.012 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VX027049.D
 Acq: 16 Feb 2022 14:50

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11DL

Tgt Ion:119	Resp:	7429
Ion	Ratio	Lower Upper
119	100	
134	26.2	13.0 39.0
91	25.5	12.6 37.6



#95
 Naphthalene
 Concen: 3.636 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.000 min
 Lab File: VX027049.D
 Acq: 16 Feb 2022 14:50

Tgt Ion:128	Resp:	20440
Ion	Ratio	Lower Upper
128	100	
127	12.4	10.3 15.5
129	10.9	8.7 13.1

