

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051222\
 Data File : VX028662.D
 Acq On : 13 May 2022 00:39
 Operator : JC/MD
 Sample : N2811-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

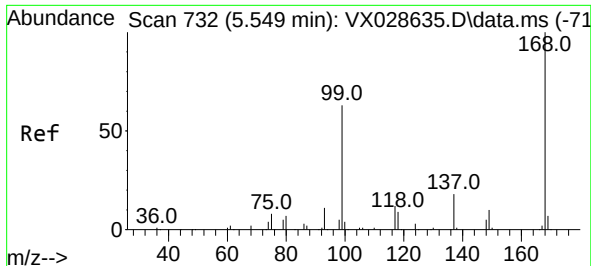
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Quant Time: May 13 02:51:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	226552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	426454	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	417803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	207766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165443	53.274	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.540%			
35) Dibromofluoromethane	5.391	113	138155	49.446	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.900%			
50) Toluene-d8	8.653	98	526971	50.025	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.060%			
62) 4-Bromofluorobenzene	11.085	95	204223	51.905	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.800%			
Target Compounds					Qvalue	
16) Acetone	2.380	43	9505	7.132	ug/l	88
25) 2-Butanone	4.568	43	5589	2.672	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	1207	0.391	ug/l	91
31) Cyclohexane	5.477	56	304575	70.657	ug/l	97
39) Methylcyclohexane	7.385	83	544501	113.137	ug/l	93
40) Benzene	6.044	78	2913223	241.540	ug/l	100
44) Trichloroethene	7.135	130	1151	0.352	ug/l	69
52) Toluene	8.720	92	77833	10.032	ug/l	99
64) Tetrachloroethene	9.275	164	5901	1.870	ug/l	89
67) Ethyl Benzene	10.195	91	256862	16.168	ug/l	100
68) m/p-Xylenes	10.305	106	436566	70.583	ug/l	99
69) o-Xylene	10.646	106	9041	1.485	ug/l	98
73) Isopropylbenzene	10.963	105	99269	6.300	ug/l	99
78) n-propylbenzene	11.305	91	145800	8.000	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	229486	17.480	ug/l	99
83) tert-Butylbenzene	11.713	119	14780	1.163	ug/l	82
84) 1,2,4-Trimethylbenzene	11.750	105	653212	49.616	ug/l	99
85) sec-Butylbenzene	11.890	105	44355	2.829	ug/l #	77
86) p-Isopropyltoluene	12.012	119	34694	2.637	ug/l	96
89) n-Butylbenzene	12.329	91	54443	4.776	ug/l #	35
95) Naphthalene	13.774	128	150020	10.161	ug/l	99

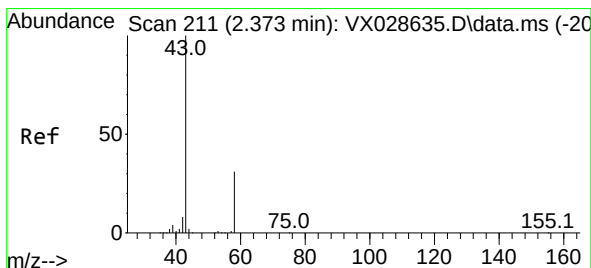
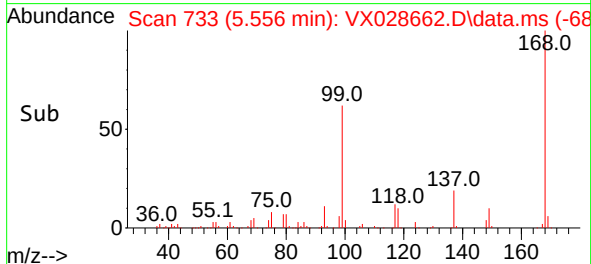
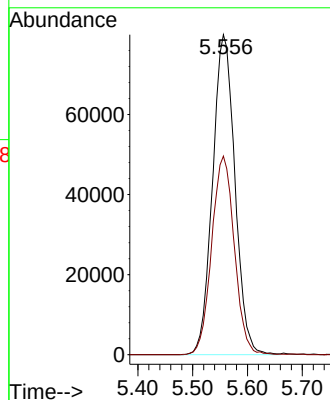
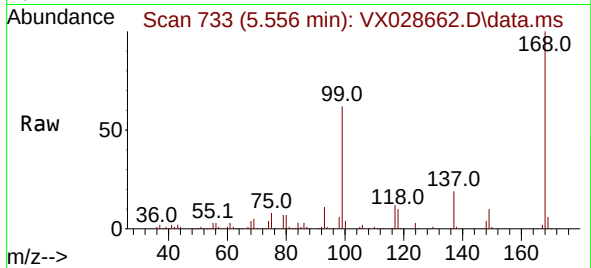
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

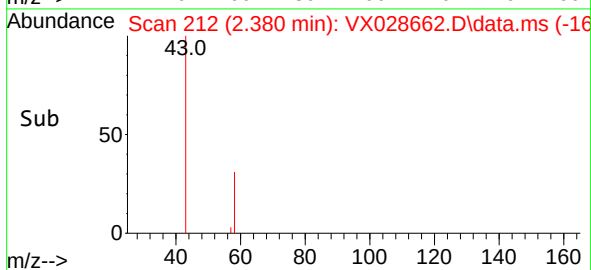
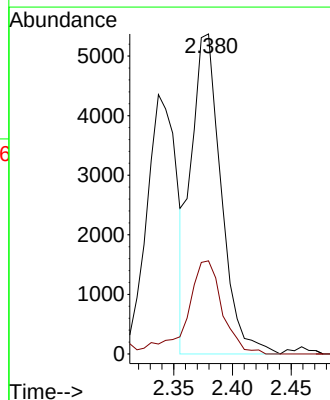
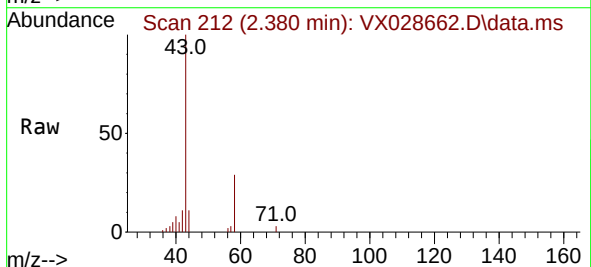
Instrument :
MSVOA_X
ClientSampleId :
MW-3

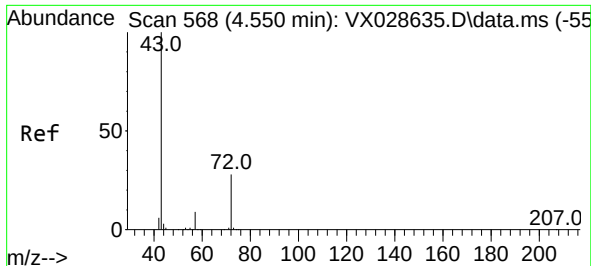
Tgt Ion:168 Resp: 226552
Ion Ratio Lower Upper
168 100
99 62.0 41.7 62.5



#16
Acetone
Concen: 7.132 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion: 43 Resp: 9505
Ion Ratio Lower Upper
43 100
58 29.1 28.8 43.2





#25

2-Butanone

Concen: 2.672 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028662.D

Acq: 13 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

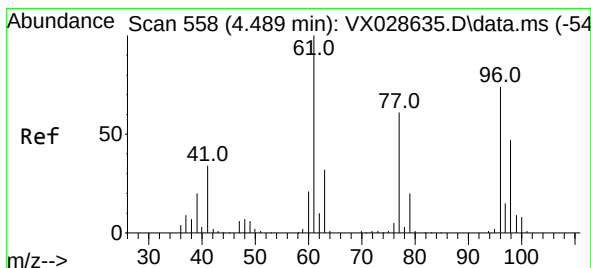
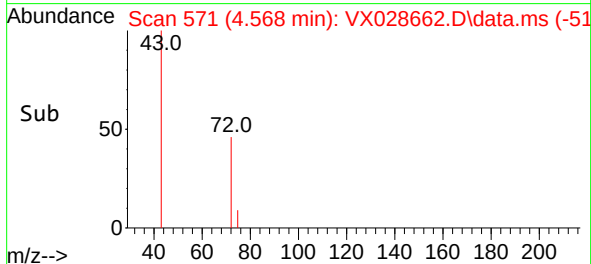
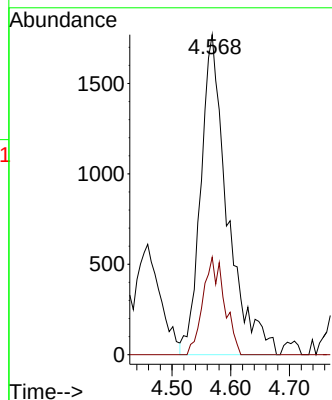
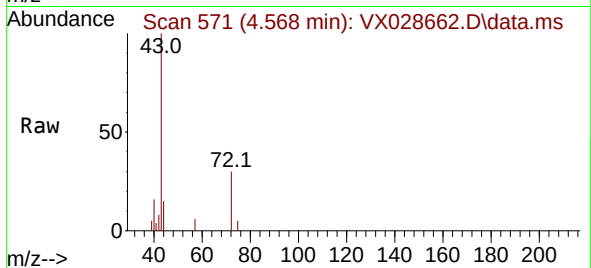
MW-3

Tgt Ion: 43 Resp: 5589

Ion Ratio Lower Upper

43 100

72 30.5 24.4 36.6



#27

cis-1,2-Dichloroethene

Concen: 0.391 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.012 min

Lab File: VX028662.D

Acq: 13 May 2022 00:39

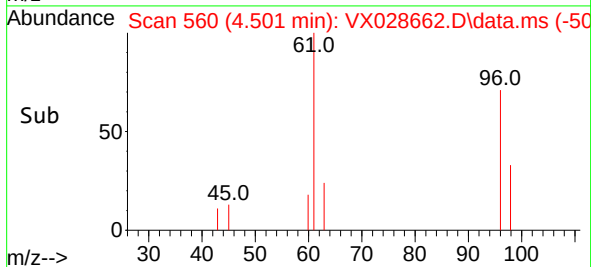
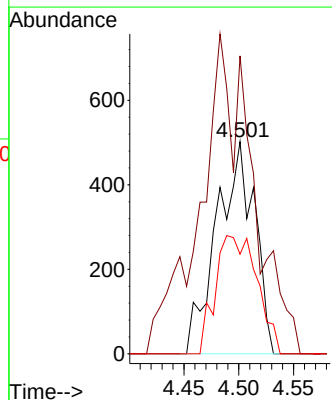
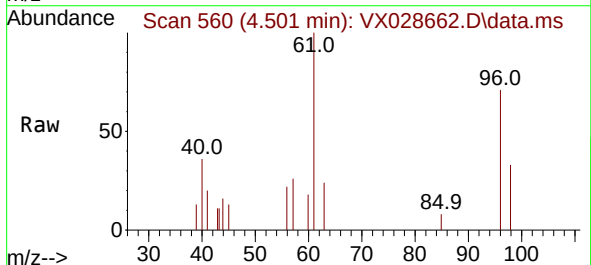
Tgt Ion: 96 Resp: 1207

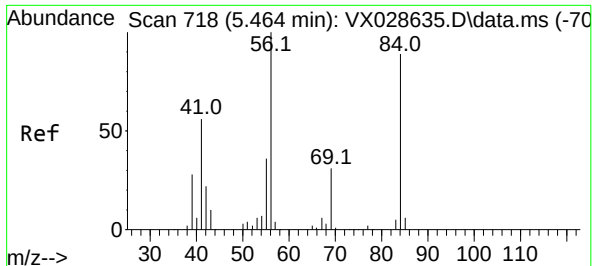
Ion Ratio Lower Upper

96 100

61 129.2 0.0 283.8

98 61.2 0.0 129.8

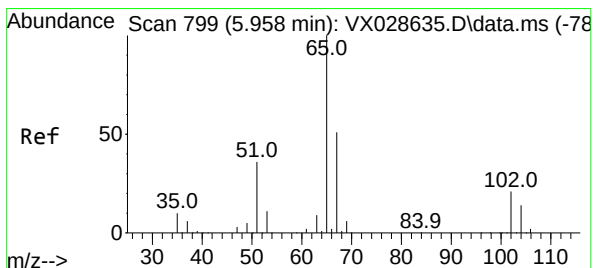
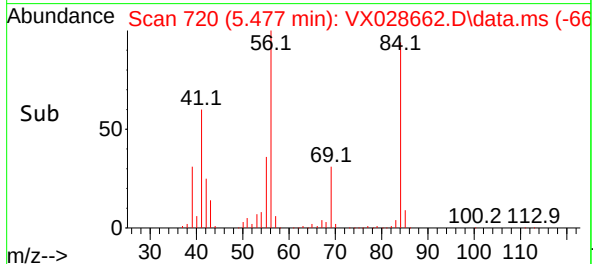
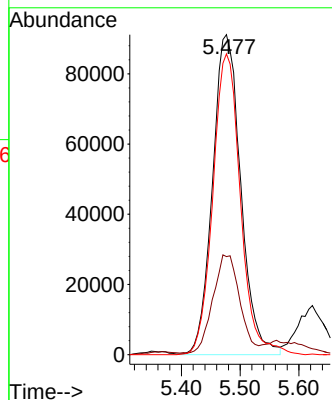
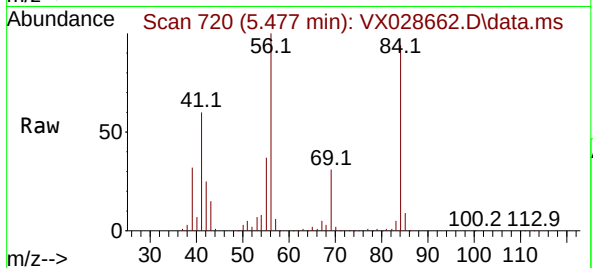




#31
Cyclohexane
Concen: 70.657 ug/l
RT: 5.477 min Scan# 718
Delta R.T. 0.013 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

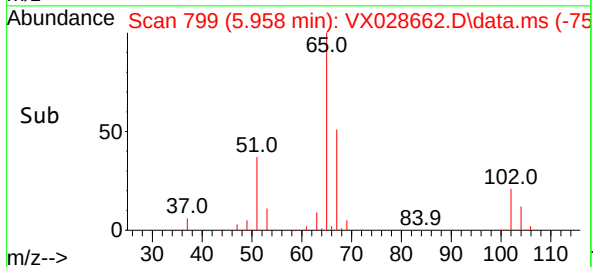
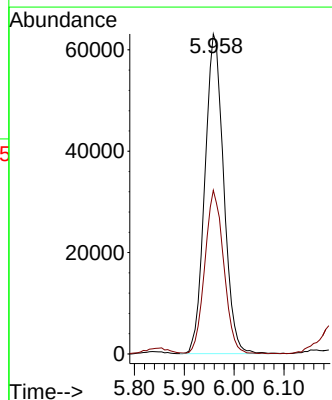
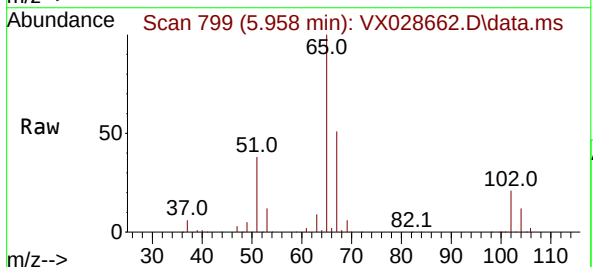
Instrument :
MSVOA_X
ClientSampleId :
MW-3

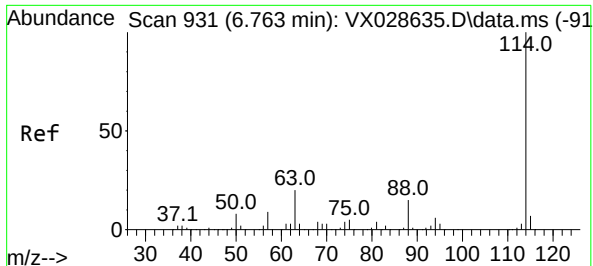
Tgt Ion: 56 Resp: 304575
Ion Ratio Lower Upper
56 100
69 30.2 26.7 40.1
84 94.1 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 53.274 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion: 65 Resp: 165443
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.4

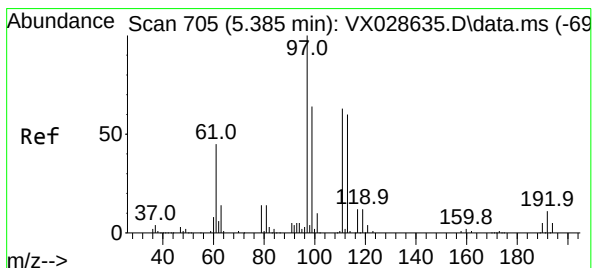
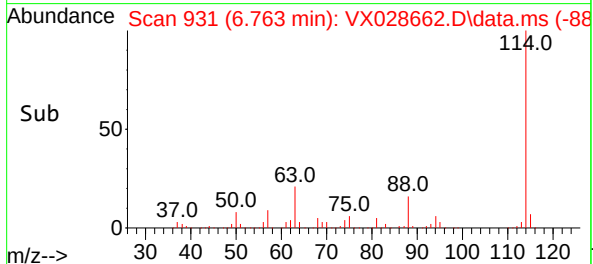
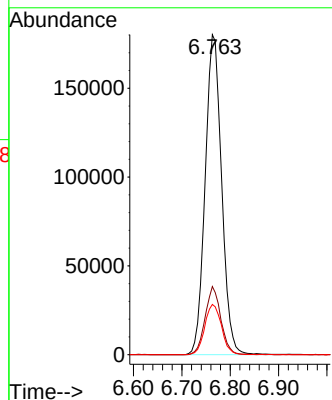
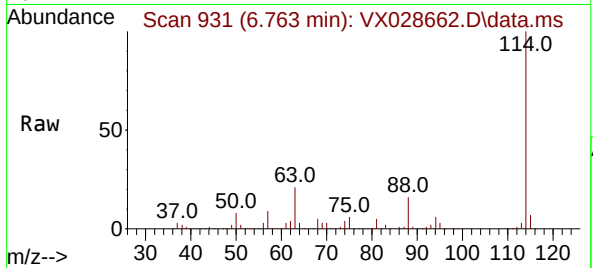




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

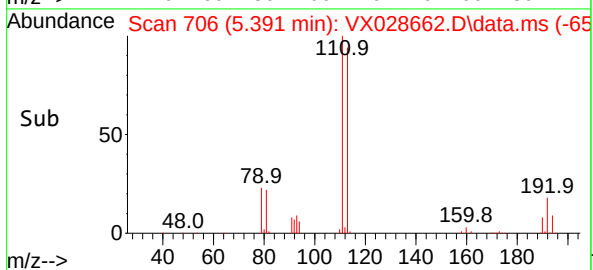
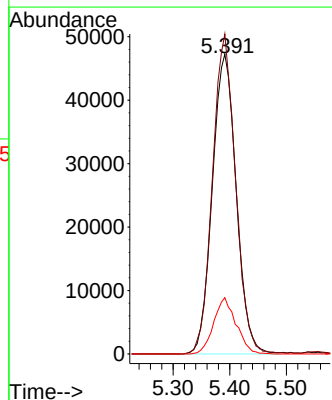
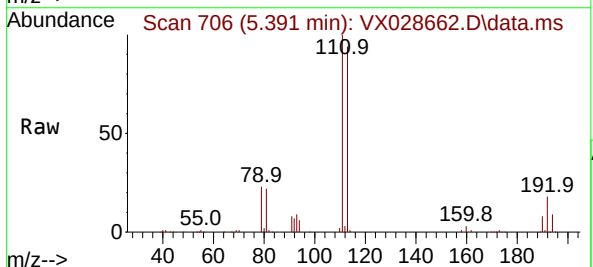
Instrument :
MSVOA_X
ClientSampleId :
MW-3

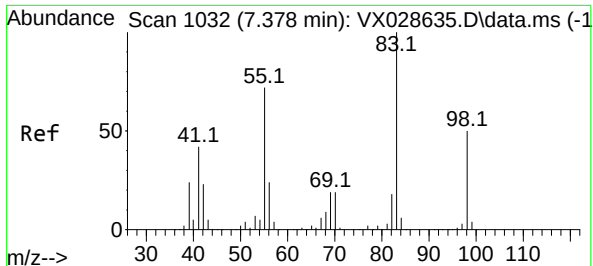
Tgt Ion:114 Resp: 426454
Ion Ratio Lower Upper
114 100
63 21.3 0.0 36.8
88 15.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.446 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion:113 Resp: 138155
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 17.6 16.9 25.3

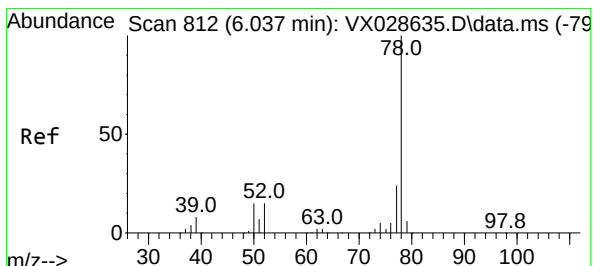
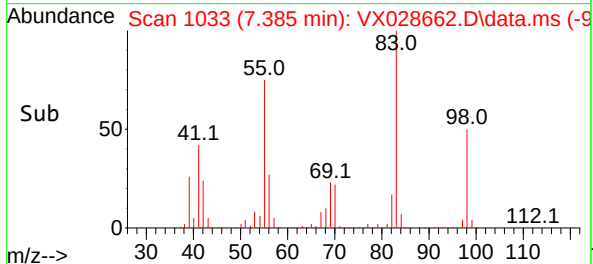
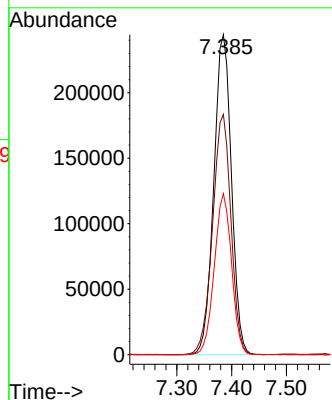
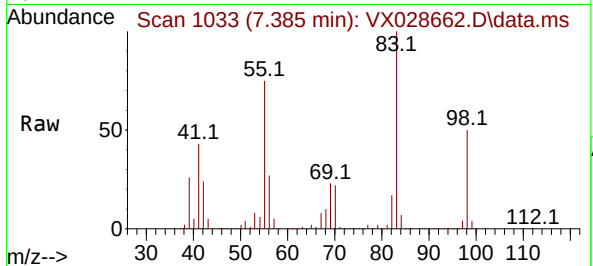




#39
Methylcyclohexane
Concen: 113.137 ug/l
RT: 7.385 min Scan# 1032
Delta R.T. 0.007 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

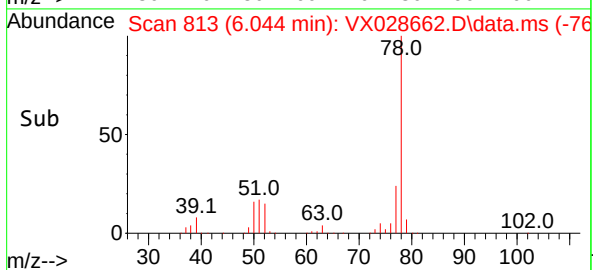
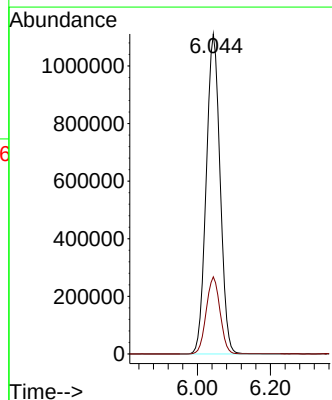
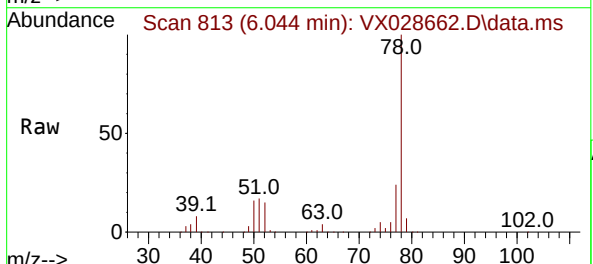
Instrument :
MSVOA_X
ClientSampleId :
MW-3

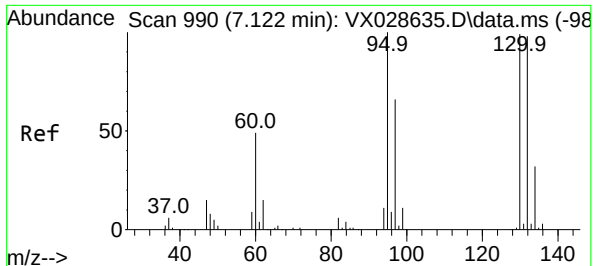
Tgt Ion: 83 Resp: 544501
Ion Ratio Lower Upper
83 100
55 75.1 54.6 81.8
98 50.4 37.4 56.2



#40
Benzene
Concen: 241.540 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion: 78 Resp: 2913223
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9





#44

Trichloroethene

Concen: 0.352 ug/l

RT: 7.135 min Scan# 990

Delta R.T. 0.013 min

Lab File: VX028662.D

Acq: 13 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

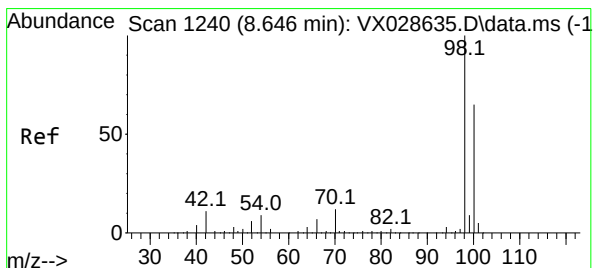
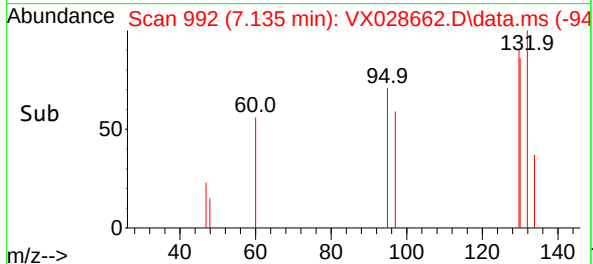
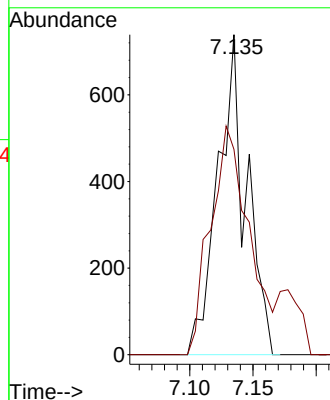
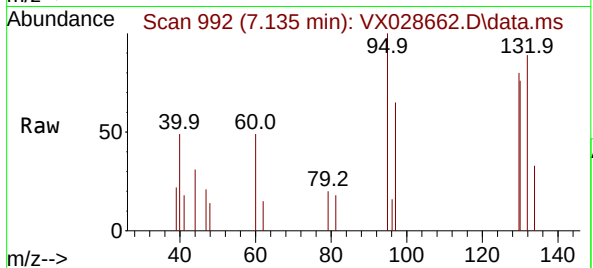
MW-3

Tgt Ion:130 Resp: 1151

Ion Ratio Lower Upper

130 100

95 64.1 0.0 188.8



#50

Toluene-d8

Concen: 50.025 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028662.D

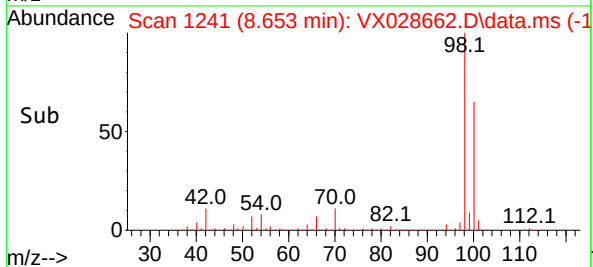
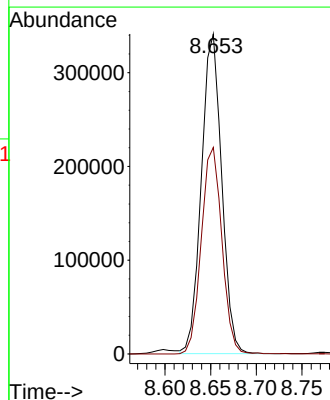
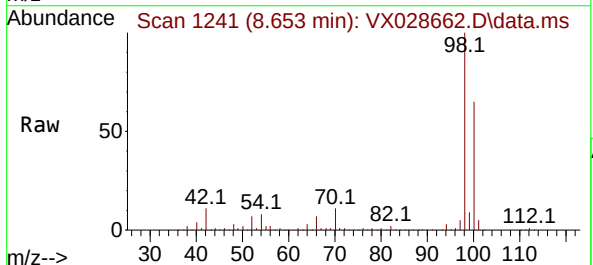
Acq: 13 May 2022 00:39

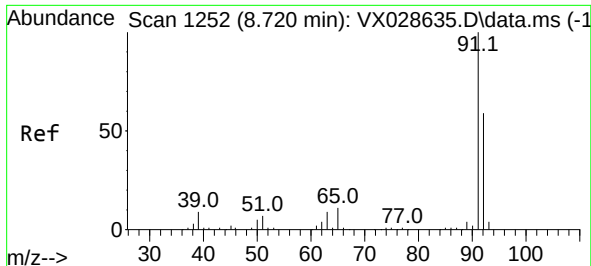
Tgt Ion: 98 Resp: 526971

Ion Ratio Lower Upper

98 100

100 65.4 52.6 78.8

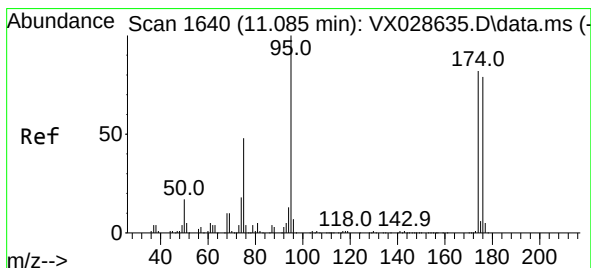
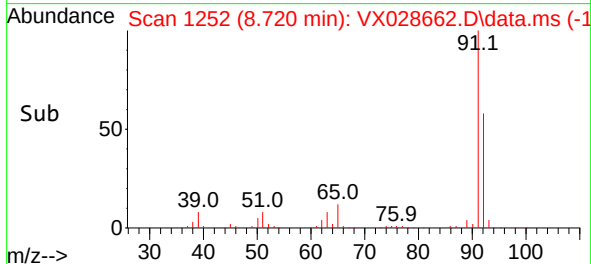
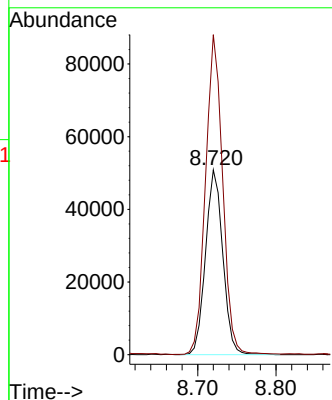
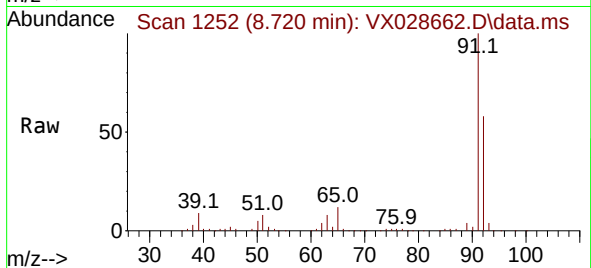




#52
Toluene
Concen: 10.032 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

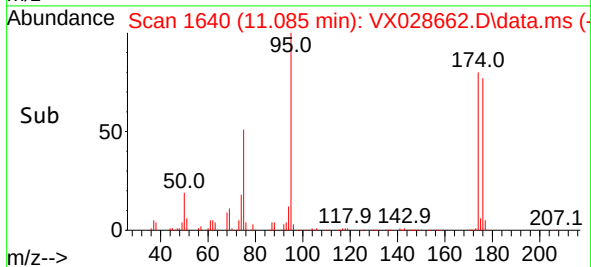
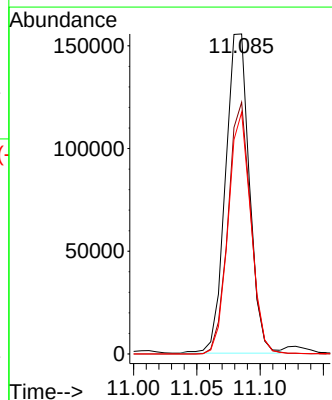
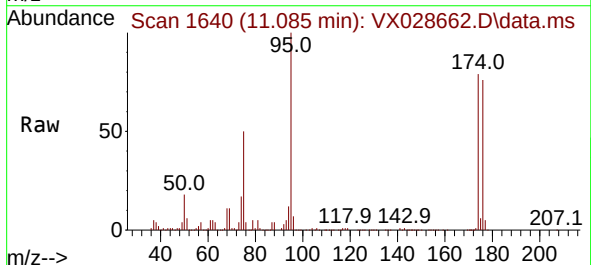
Instrument :
MSVOA_X
ClientSampleId :
MW-3

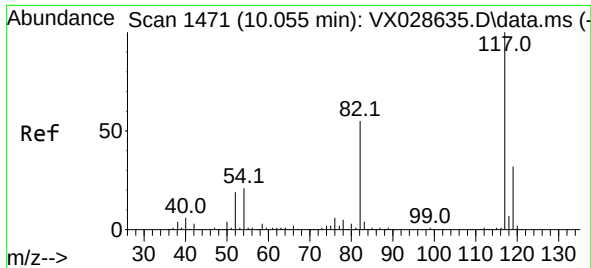
Tgt Ion: 92 Resp: 77833
Ion Ratio Lower Upper
92 100
91 170.8 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 51.905 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion: 95 Resp: 204223
Ion Ratio Lower Upper
95 100
174 74.9 0.0 163.0
176 72.1 0.0 155.0

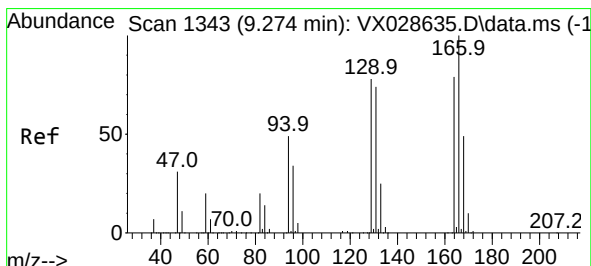
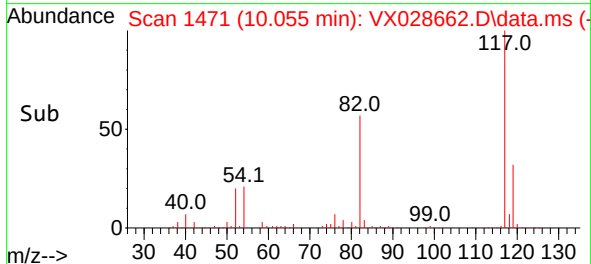
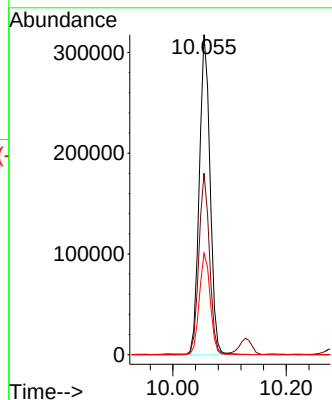
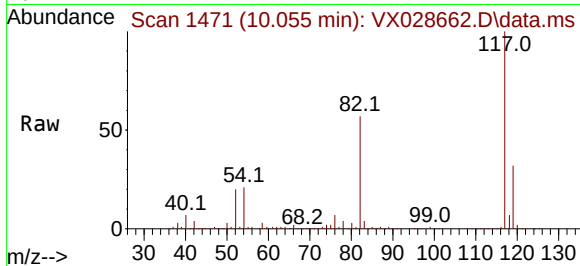




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

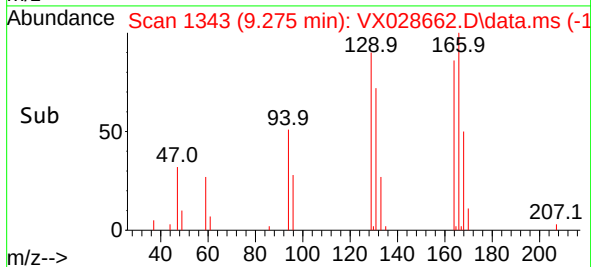
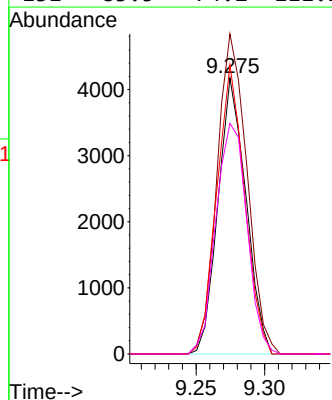
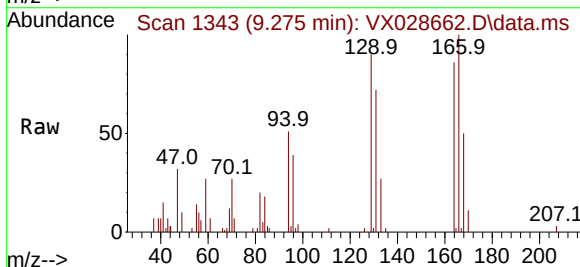
Instrument :
MSVOA_X
ClientSampleId :
MW-3

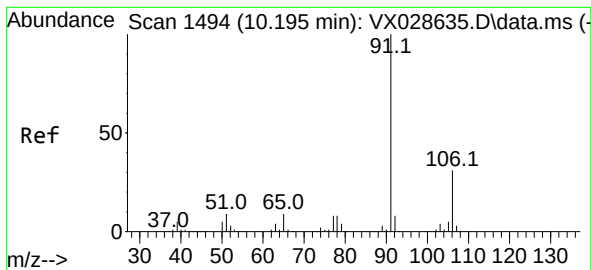
Tgt Ion:117 Resp: 417803
Ion Ratio Lower Upper
117 100
82 56.6 41.8 62.8
119 31.7 24.8 37.2



#64
Tetrachloroethene
Concen: 1.870 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.001 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion:164 Resp: 5901
Ion Ratio Lower Upper
164 100
166 116.0 101.2 151.8
129 104.7 73.0 109.4
131 83.5 74.2 111.2





#67

Ethyl Benzene

Concen: 16.168 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX028662.D

Acq: 13 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

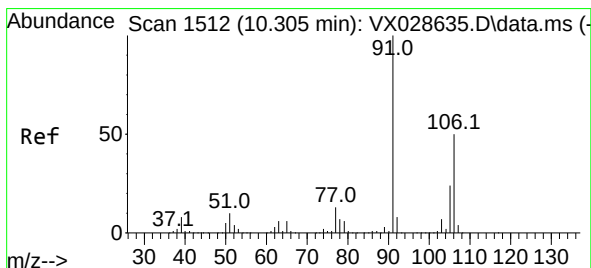
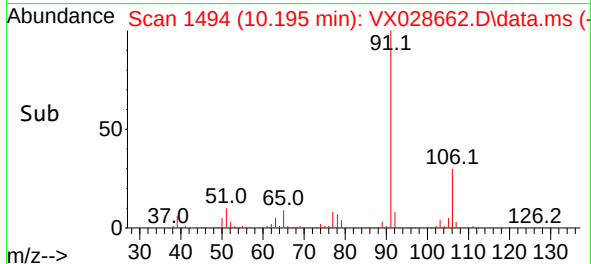
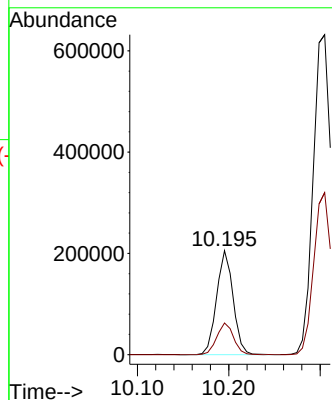
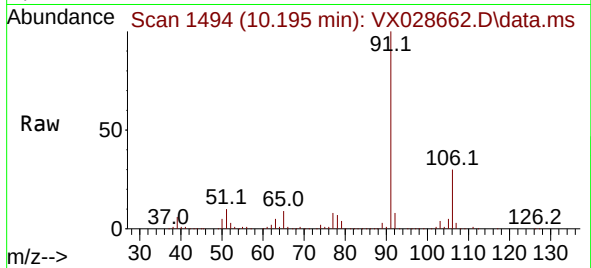
MW-3

Tgt Ion: 91 Resp: 256862

Ion Ratio Lower Upper

91 100

106 30.5 24.6 36.8



#68

m/p-Xylenes

Concen: 70.583 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX028662.D

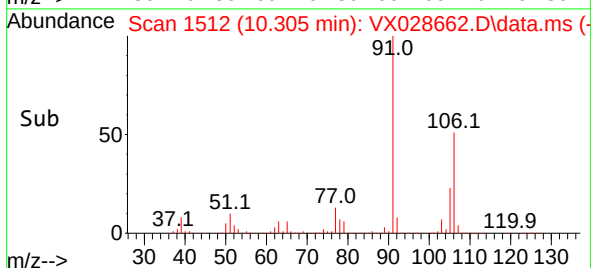
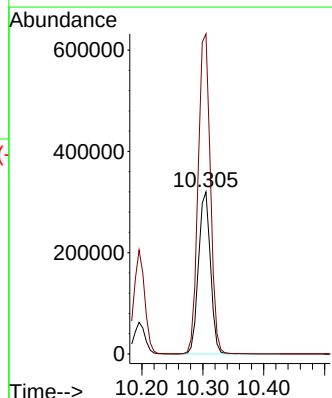
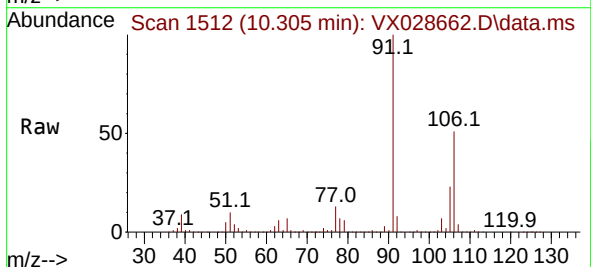
Acq: 13 May 2022 00:39

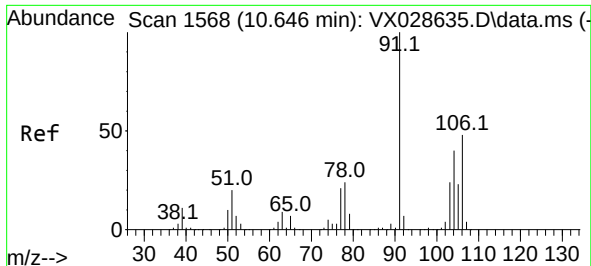
Tgt Ion: 106 Resp: 436566

Ion Ratio Lower Upper

106 100

91 202.0 160.4 240.6

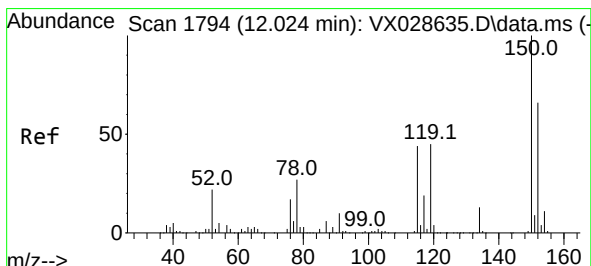
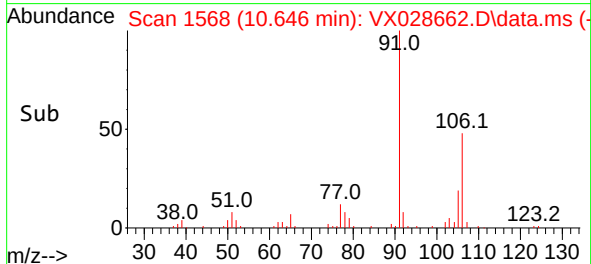
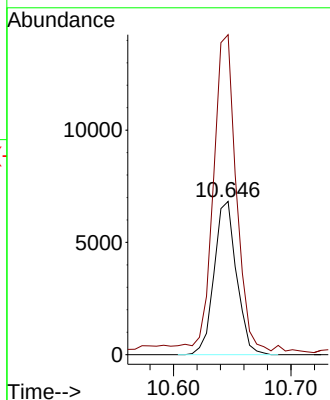
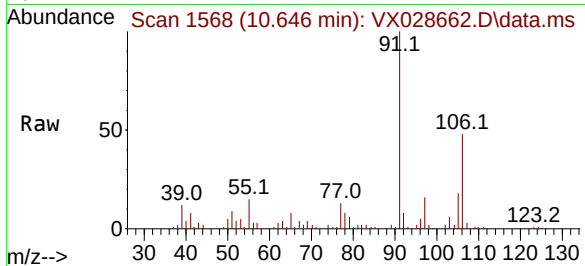




#69
o-Xylene
Concen: 1.485 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

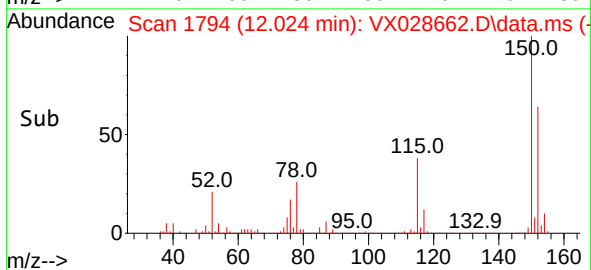
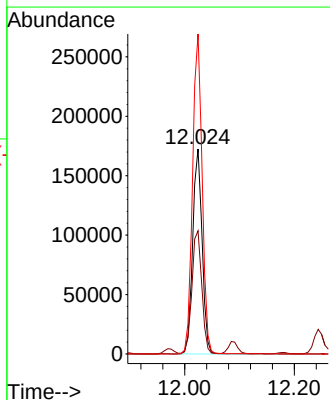
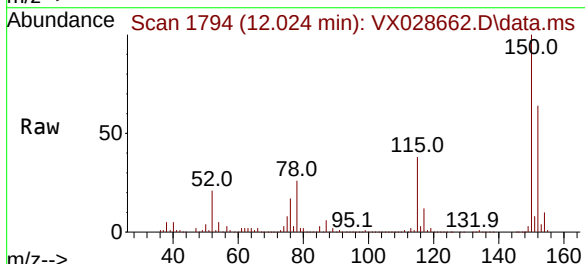
Instrument :
MSVOA_X
ClientSampleId :
MW-3

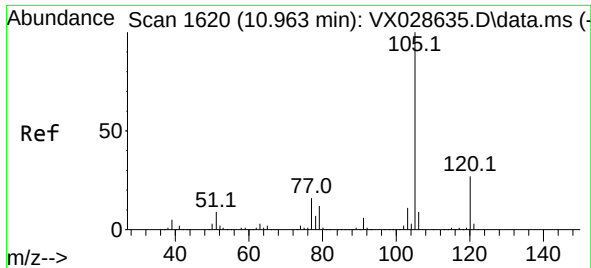
Tgt Ion:106 Resp: 9041
Ion Ratio Lower Upper
106 100
91 209.7 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion:152 Resp: 207766
Ion Ratio Lower Upper
152 100
115 62.8 37.5 112.7
150 158.2 0.0 338.2

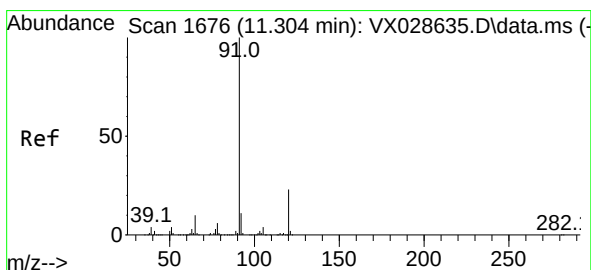
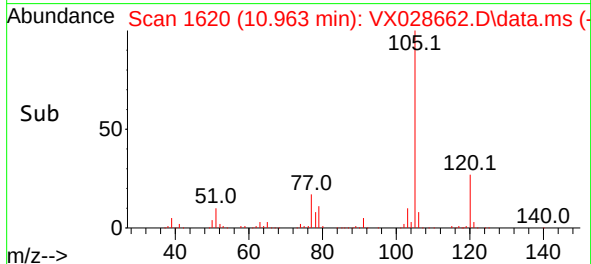
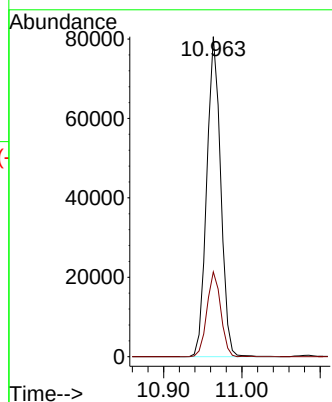
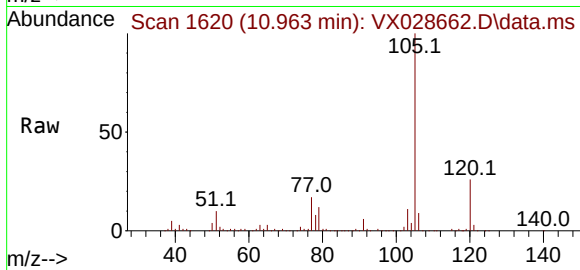




#73
Isopropylbenzene
Concen: 6.300 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

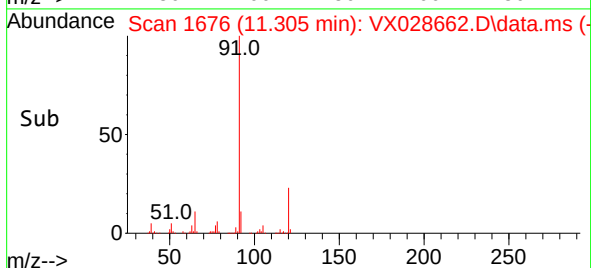
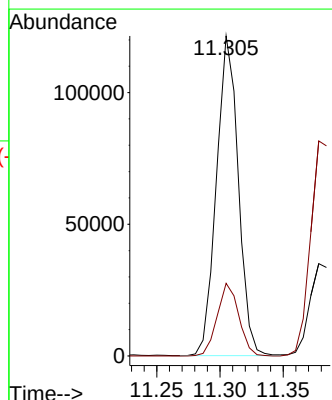
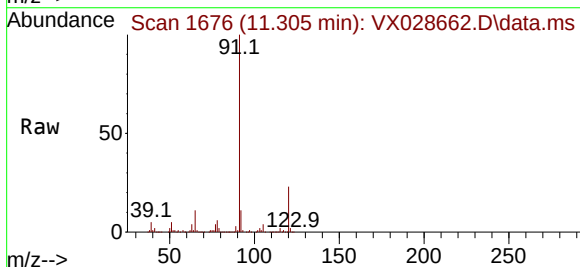
Instrument :
MSVOA_X
ClientSampleId :
MW-3

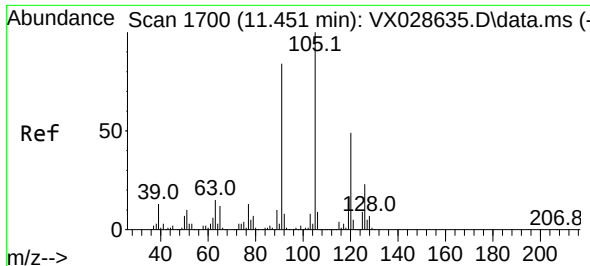
Tgt Ion:105 Resp: 99269
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.5



#78
n-propylbenzene
Concen: 8.000 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion: 91 Resp: 145800
Ion Ratio Lower Upper
91 100
120 22.4 11.6 34.8

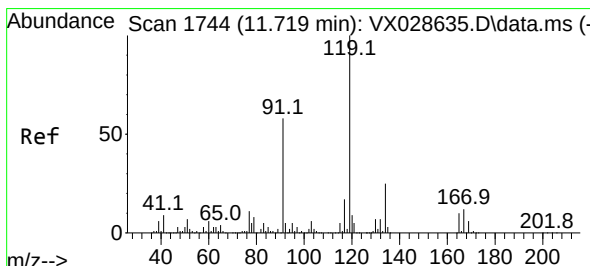
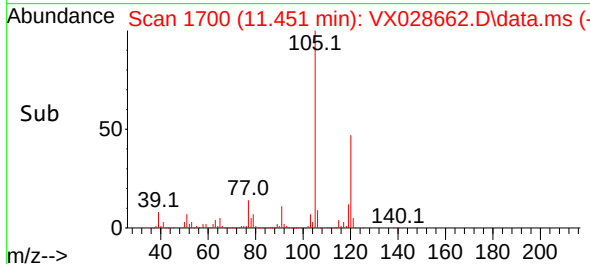
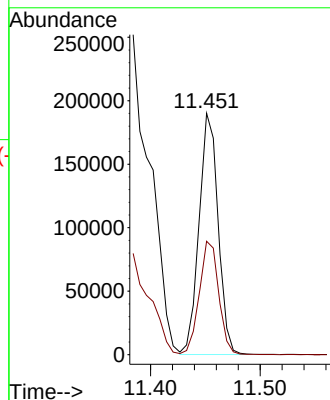
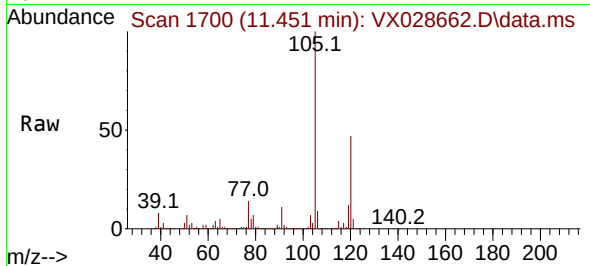




#80
1,3,5-Trimethylbenzene
Concen: 17.480 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

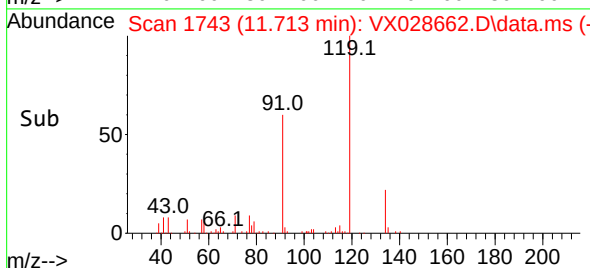
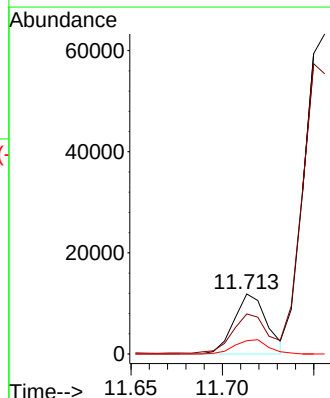
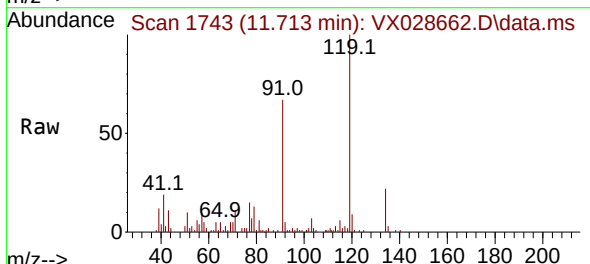
Instrument :
MSVOA_X
ClientSampleId :
MW-3

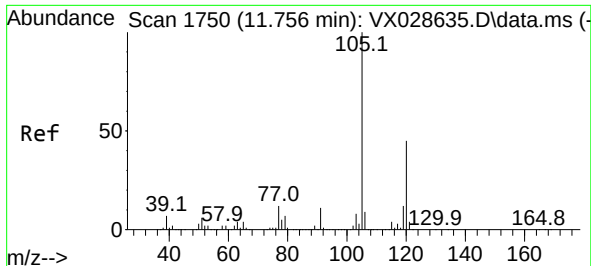
Tgt Ion:105 Resp: 229486
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.9



#83
tert-Butylbenzene
Concen: 1.163 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. -0.006 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion:119 Resp: 14780
Ion Ratio Lower Upper
119 100
91 71.2 26.9 80.6
134 24.2 11.4 34.2

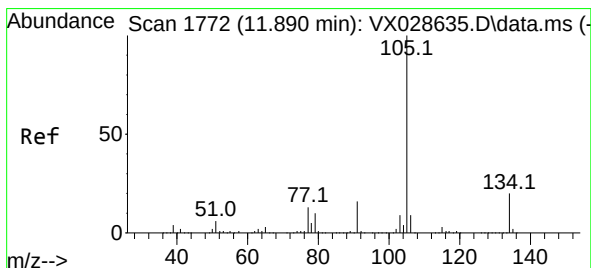
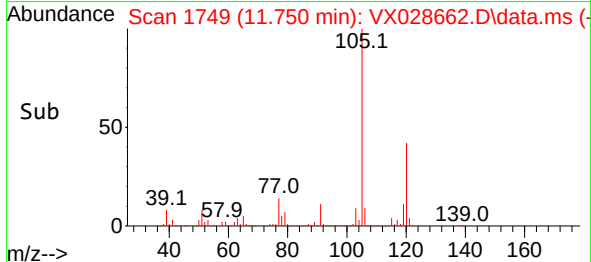
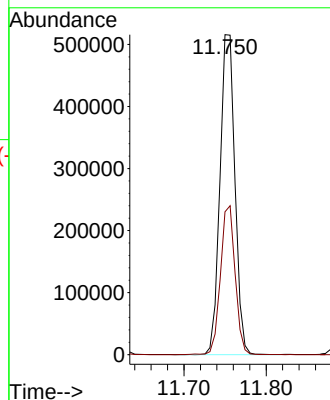
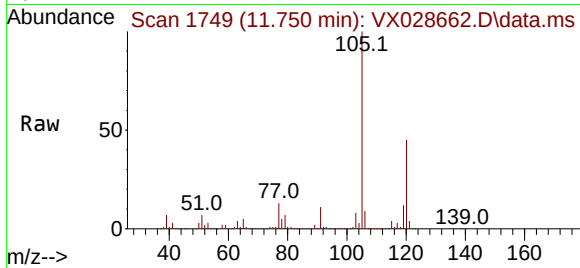




#84
1,2,4-Trimethylbenzene
Concen: 49.616 ug/l
RT: 11.750 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

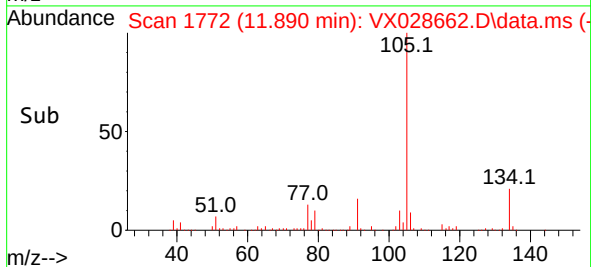
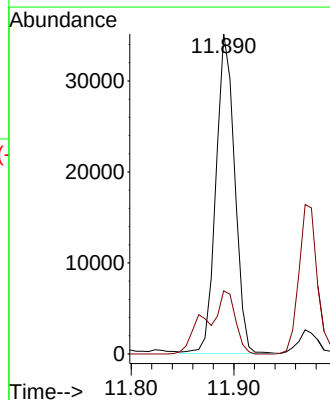
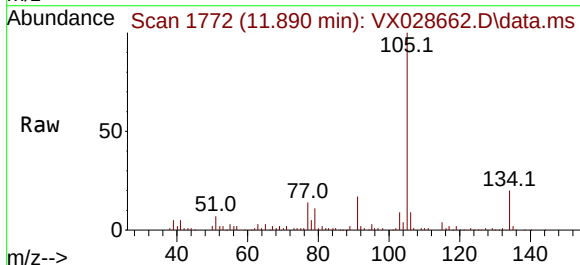
Instrument :
MSVOA_X
ClientSampleId :
MW-3

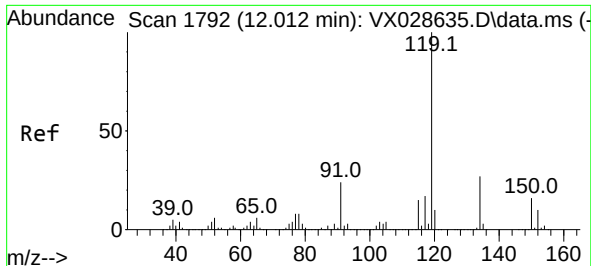
Tgt Ion:105 Resp: 653212
Ion Ratio Lower Upper
105 100
120 45.7 22.6 67.8



#85
sec-Butylbenzene
Concen: 2.829 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX028662.D
Acq: 13 May 2022 00:39

Tgt Ion:105 Resp: 44355
Ion Ratio Lower Upper
105 100
134 30.9 10.2 30.4#

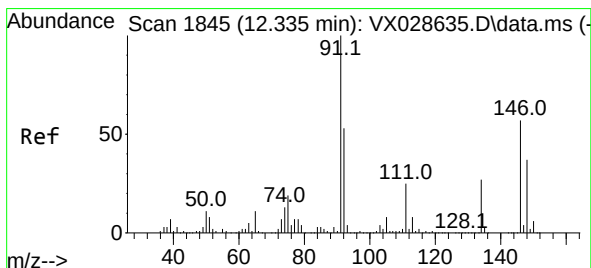
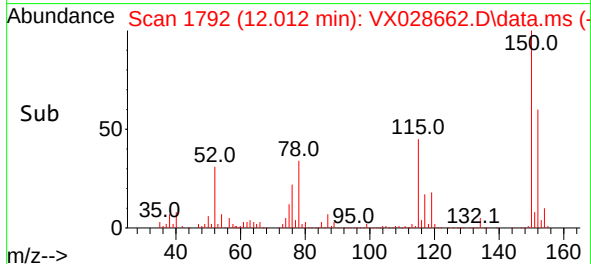
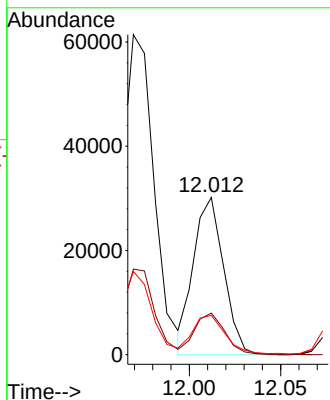
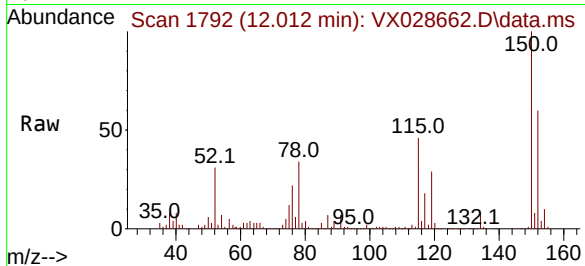




#86
 p-Isopropyltoluene
 Concen: 2.637 ug/l
 RT: 12.012 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VX028662.D
 Acq: 13 May 2022 00:39

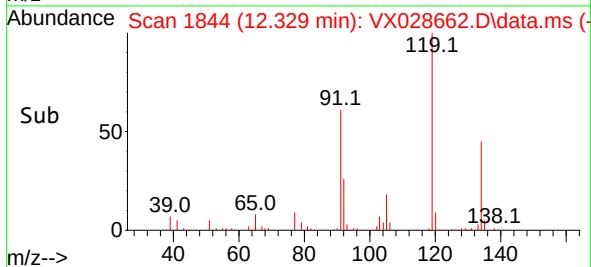
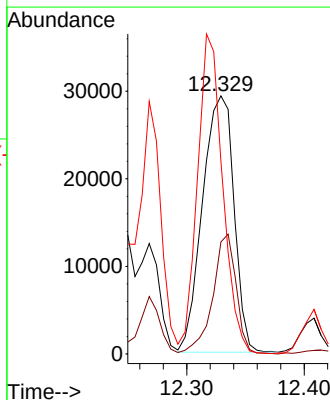
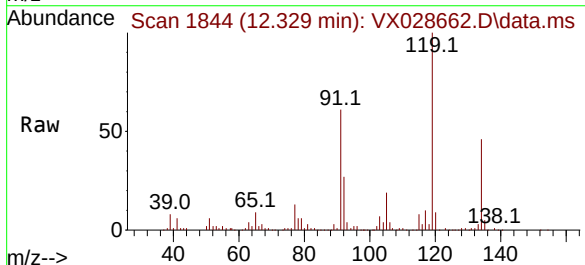
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

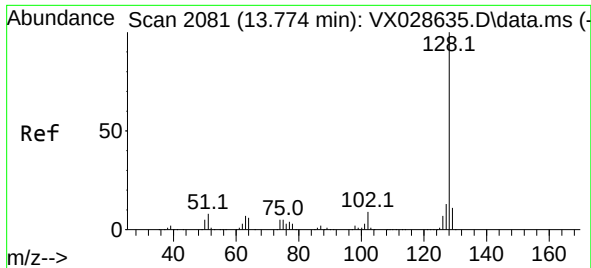
Tgt Ion:119 Resp: 34694
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.0 39.0
 91 26.3 11.3 33.9



#89
 n-Butylbenzene
 Concen: 4.776 ug/l
 RT: 12.329 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: VX028662.D
 Acq: 13 May 2022 00:39

Tgt Ion: 91 Resp: 54443
 Ion Ratio Lower Upper
 91 100
 92 35.0 27.8 83.3
 134 99.7 13.3 39.8#





#95

Naphthalene

Concen: 10.161 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX028662.D

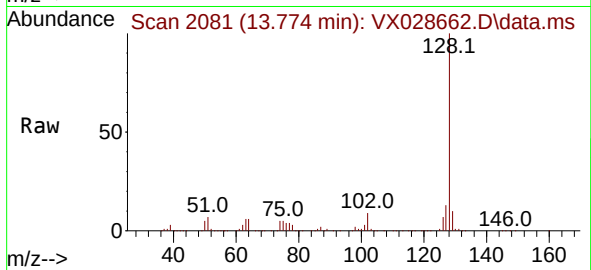
Acq: 13 May 2022 00:39

Instrument :

MSVOA_X

ClientSampleId :

MW-3



Tgt Ion:128 Resp: 150020

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.6 8.7 13.1

