

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031530.D
 Acq On : 21 Sep 2022 17:27
 Operator : JC/MD
 Sample : N4614-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10R

Quant Time: Sep 22 01:14:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 09:45:29 2022
 Response via : Initial Calibration

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

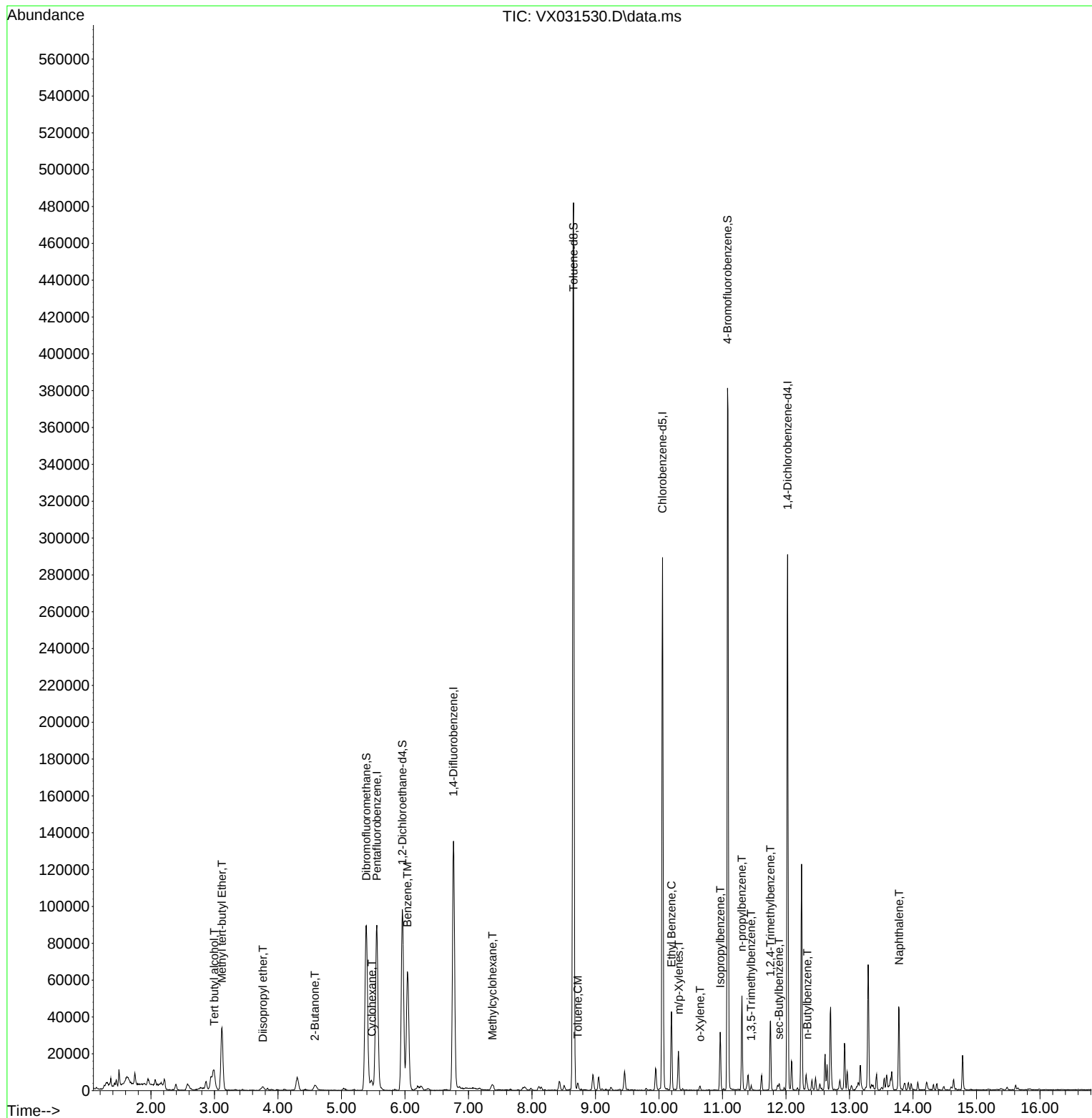
Internal Standards						
1) Pentafluorobenzene	5.556	168	85476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	138801	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	57820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87454	55.811	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.620%			
35) Dibromofluoromethane	5.391	113	74031	51.626	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.260%			
50) Toluene-d8	8.653	98	279242	50.496	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.000%			
62) 4-Bromofluorobenzene	11.079	95	89059	47.545	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.080%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.995	59	20401	33.909	ug/l	97
19) Methyl tert-butyl Ether	3.117	73	38130	7.924	ug/l	97
22) Diisopropyl ether	3.764	45	1919	0.408	ug/l #	82
25) 2-Butanone	4.581	43	1444	1.193	ug/l #	87
31) Cyclohexane	5.477	56	3310	1.424	ug/l	96
39) Methylcyclohexane	7.379	83	1395	0.514	ug/l	91
40) Benzene	6.038	78	76782	11.665	ug/l	96
52) Toluene	8.720	92	1386	0.323	ug/l	82
67) Ethyl Benzene	10.195	91	23953	3.550	ug/l	99
68) m/p-Xylenes	10.311	106	4974	1.835	ug/l	91
69) o-Xylene	10.647	106	609	0.235	ug/l	89
73) Isopropylbenzene	10.964	105	15682	3.632	ug/l	98
78) n-propylbenzene	11.305	91	29662	5.971	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1162	0.317	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	16212	4.492	ug/l	96
85) sec-Butylbenzene	11.890	105	2185	0.486	ug/l	97
89) n-Butylbenzene	12.335	91	1808	0.559	ug/l #	61
95) Naphthalene	13.780	128	28668	6.916	ug/l	99

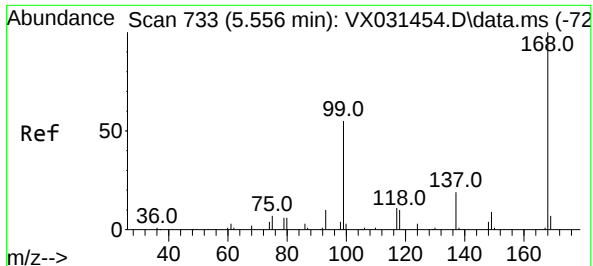
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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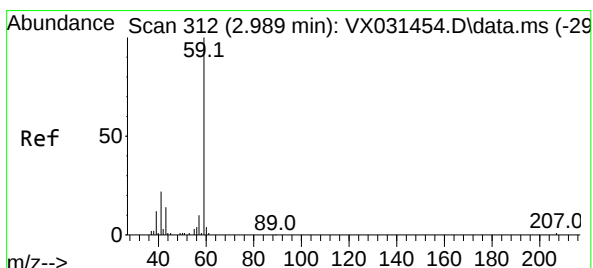
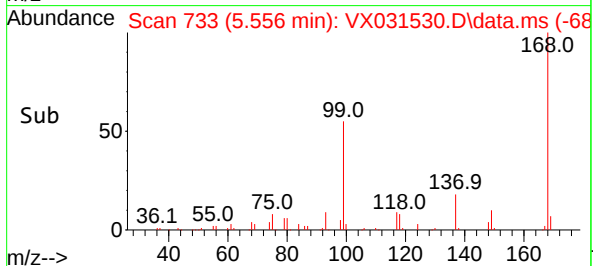
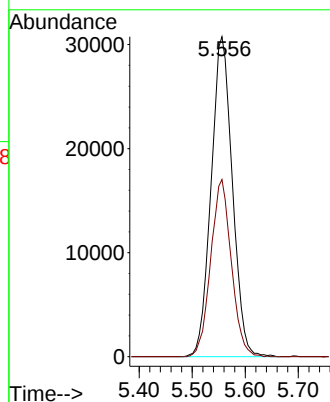
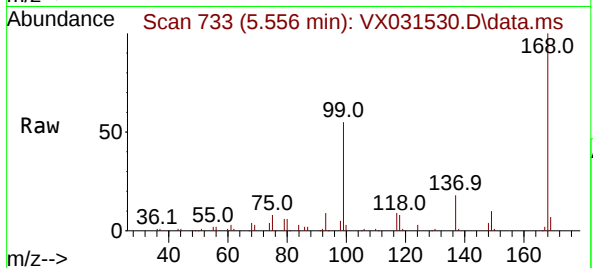




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

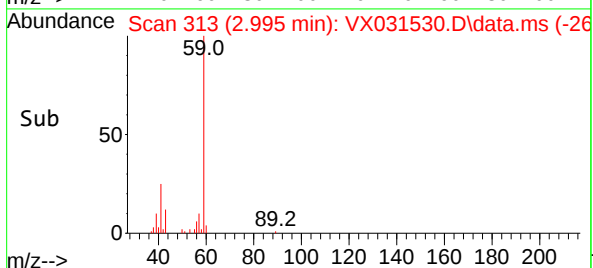
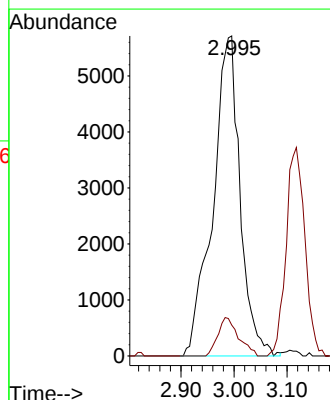
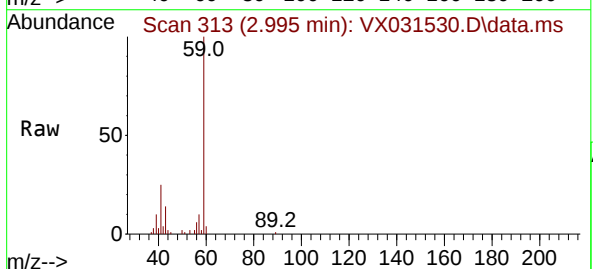
Instrument :
MSVOA_X
ClientSampleId :
MW-10R

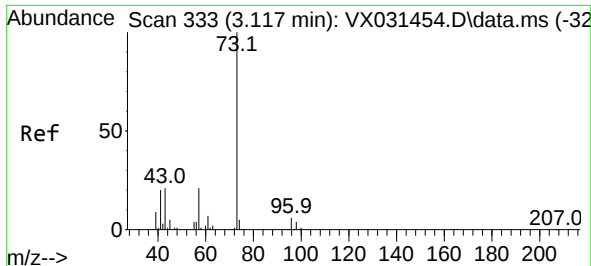
Tgt Ion:168 Resp: 85476
Ion Ratio Lower Upper
168 100
99 55.4 48.8 73.2



#11
Tert butyl alcohol
Concen: 33.909 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.006 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

Tgt Ion: 59 Resp: 20401
Ion Ratio Lower Upper
59 100
57 9.1 8.2 12.2

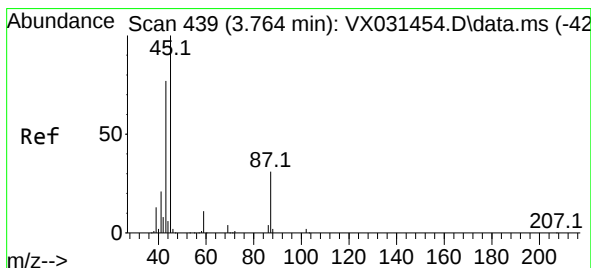
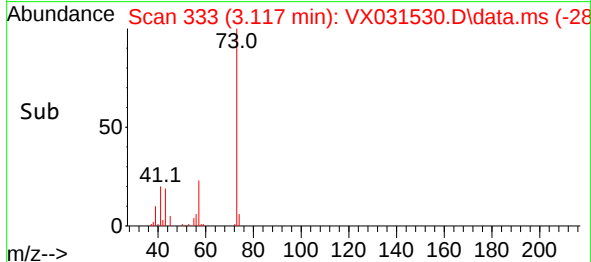
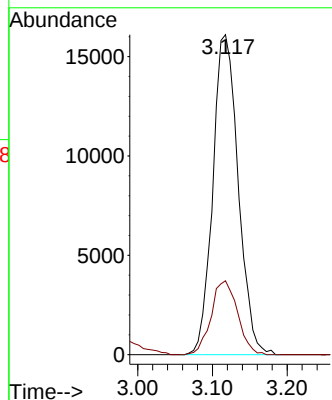
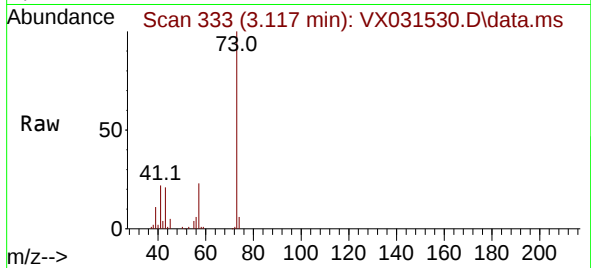




#19
Methyl tert-butyl Ether
Concen: 7.924 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

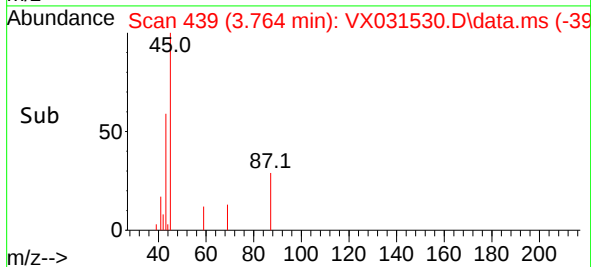
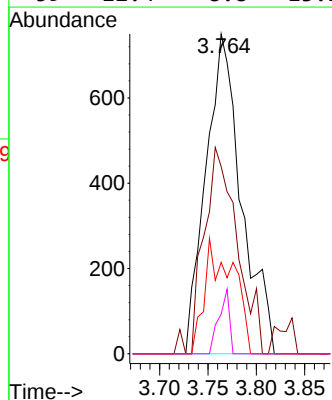
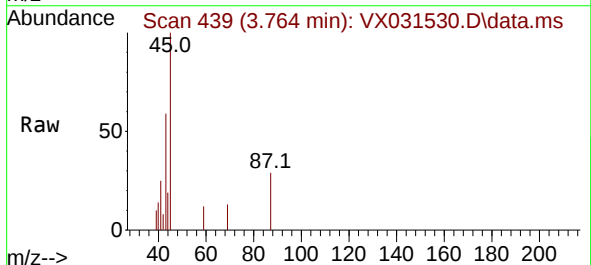
Instrument :
MSVOA_X
ClientSampleId :
MW-10R

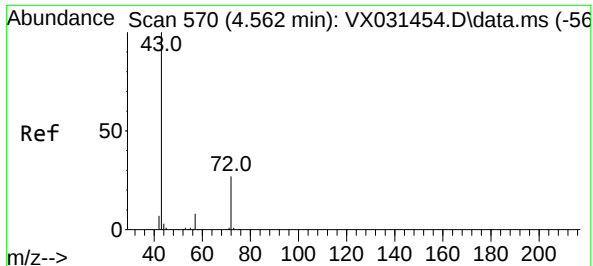
Tgt Ion: 73 Resp: 38130
Ion Ratio Lower Upper
73 100
57 23.1 17.2 25.8



#22
Diisopropyl ether
Concen: 0.408 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

Tgt Ion: 45 Resp: 1919
Ion Ratio Lower Upper
45 100
43 51.5 59.0 88.6#
87 28.5 22.6 33.8
59 12.4 8.8 13.2





#25

2-Butanone

Concen: 1.193 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.019 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

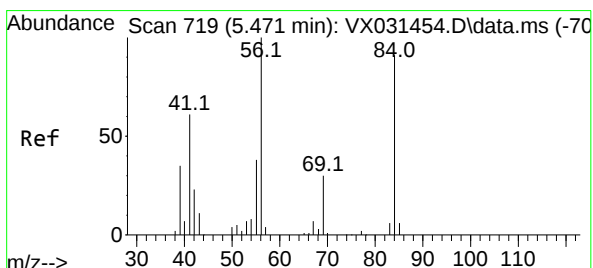
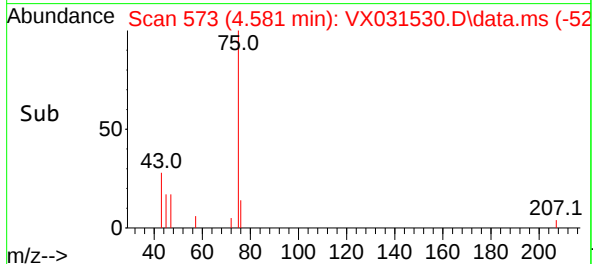
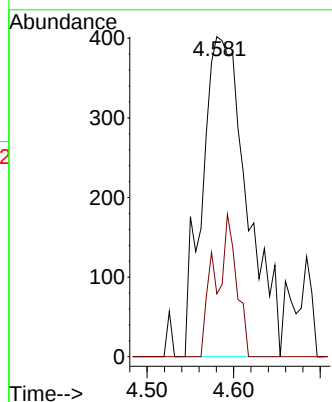
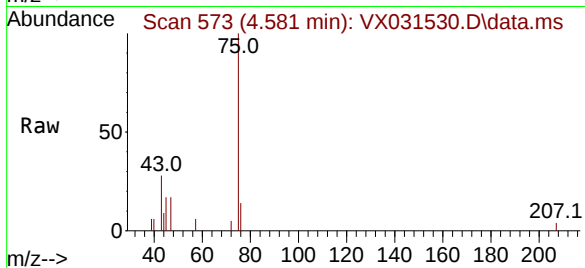
MW-10R

Tgt Ion: 43 Resp: 1444

Ion Ratio Lower Upper

43 100

72 19.7 21.1 31.7#



#31

Cyclohexane

Concen: 1.424 ug/l

RT: 5.477 min Scan# 720

Delta R.T. 0.006 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

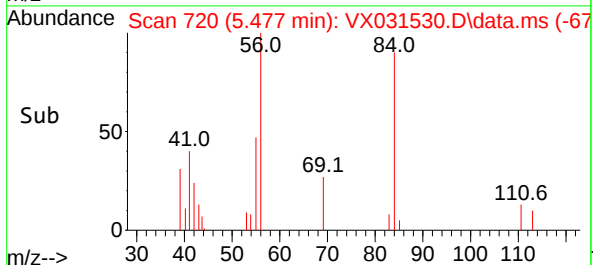
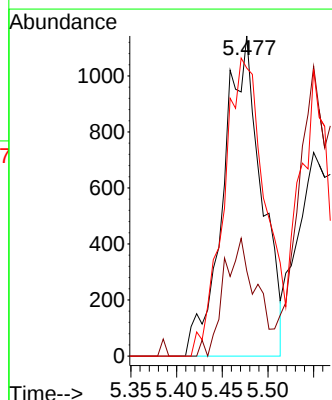
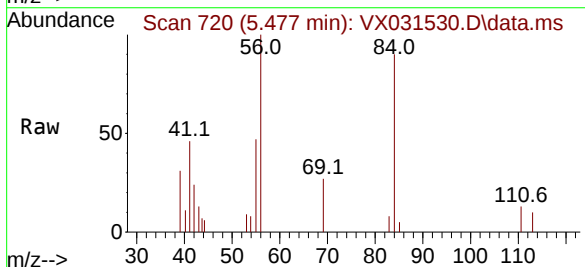
Tgt Ion: 56 Resp: 3310

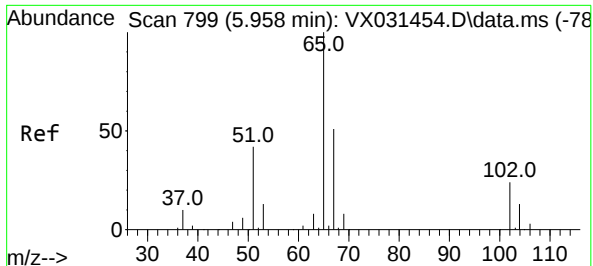
Ion Ratio Lower Upper

56 100

69 26.6 25.1 37.7

84 89.9 70.2 105.4





#33

1,2-Dichloroethane-d4

Concen: 55.811 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

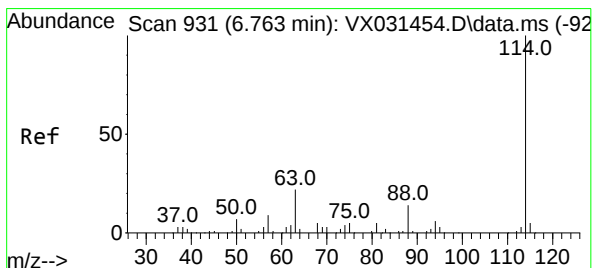
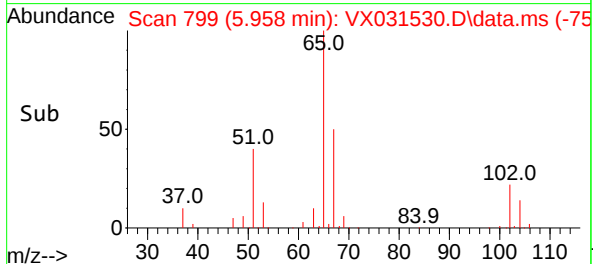
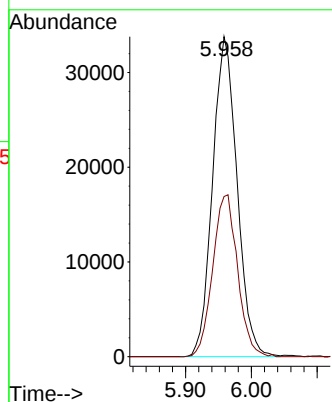
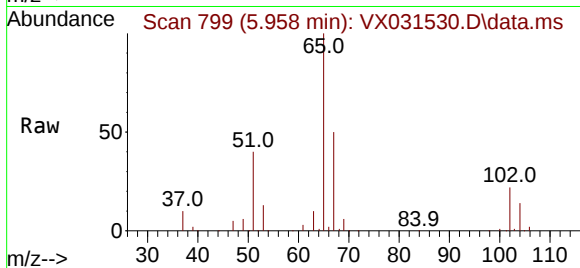
MW-10R

Tgt Ion: 65 Resp: 87454

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

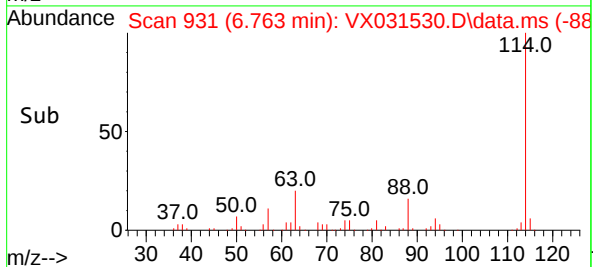
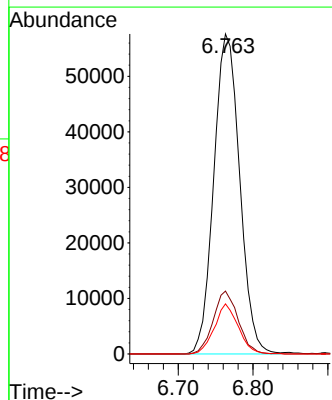
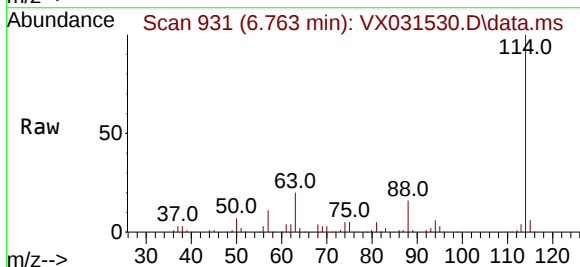
Tgt Ion: 114 Resp: 138801

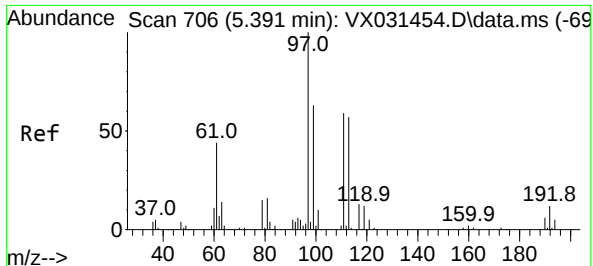
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.6

88 15.6 0.0 33.0

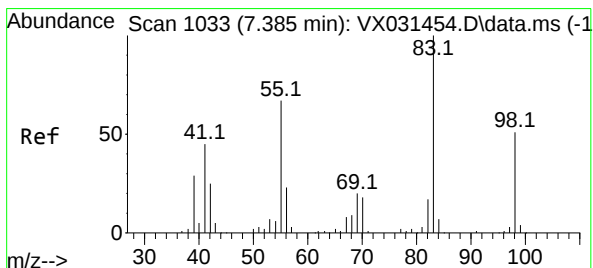
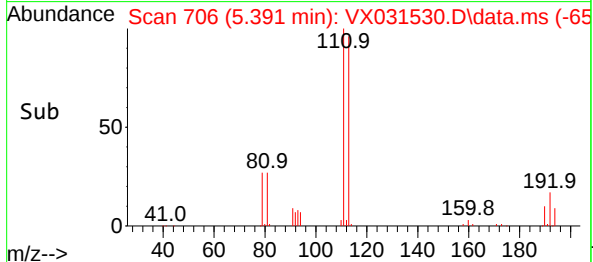
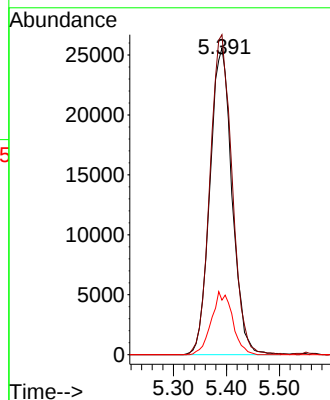
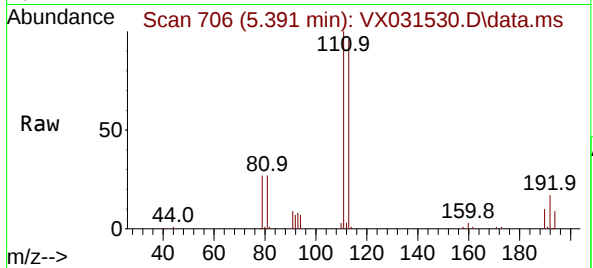




#35
Dibromofluoromethane
Concen: 51.626 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

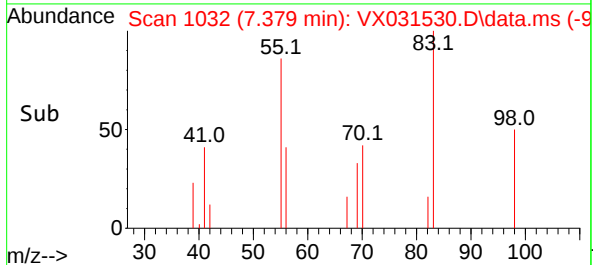
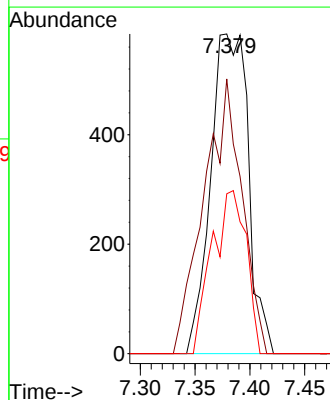
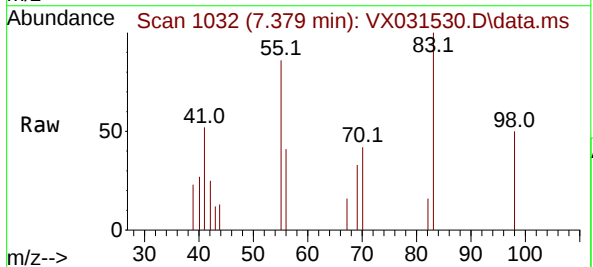
Instrument :
MSVOA_X
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MW-10R

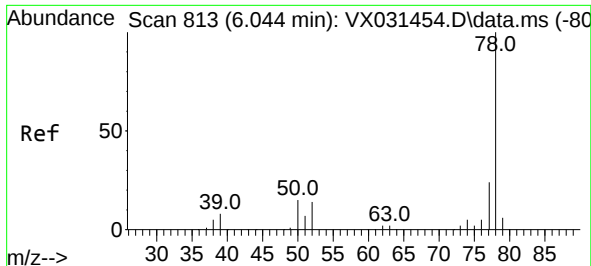
Tgt Ion:113 Resp: 74031
Ion Ratio Lower Upper
113 100
111 104.3 82.4 123.6
192 19.6 14.1 21.1



#39
Methylcyclohexane
Concen: 0.514 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

Tgt Ion: 83 Resp: 1395
Ion Ratio Lower Upper
83 100
55 86.0 61.0 91.4
98 50.0 37.7 56.5

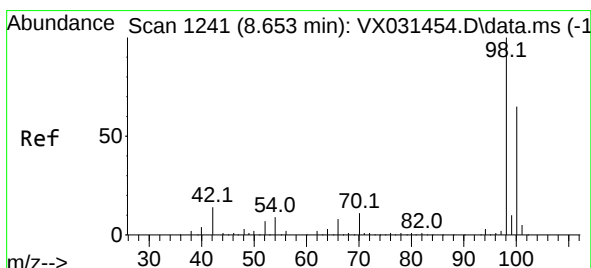
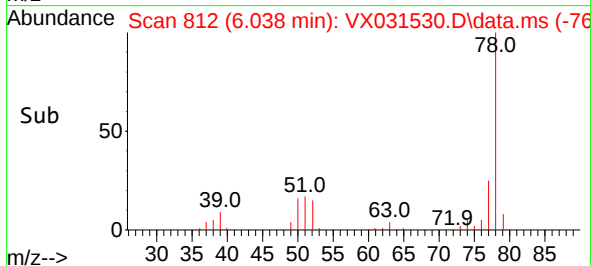
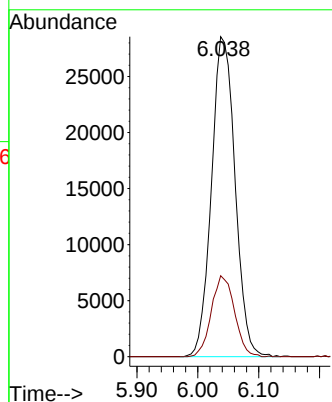
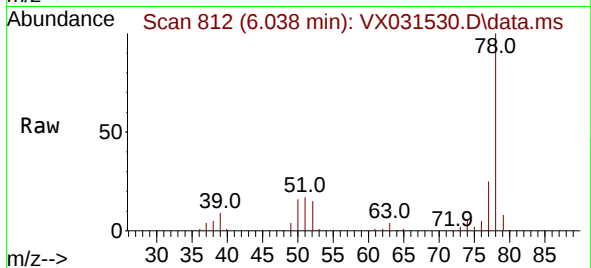




#40
Benzene
Concen: 11.665 ug/l
RT: 6.038 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

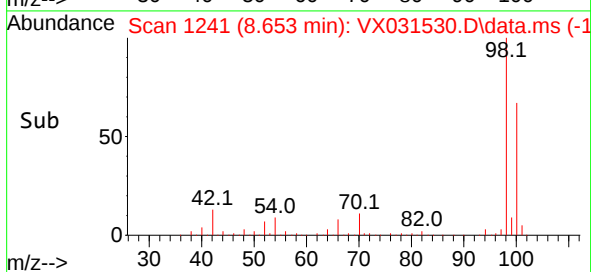
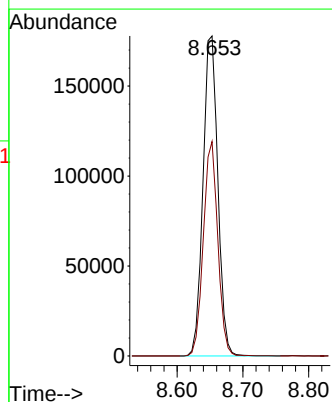
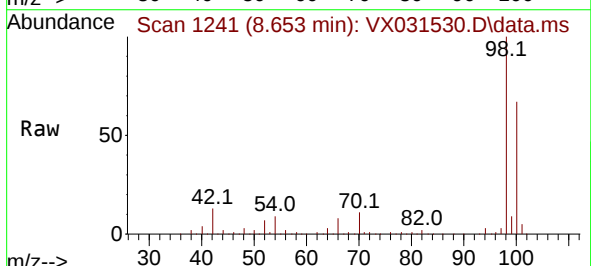
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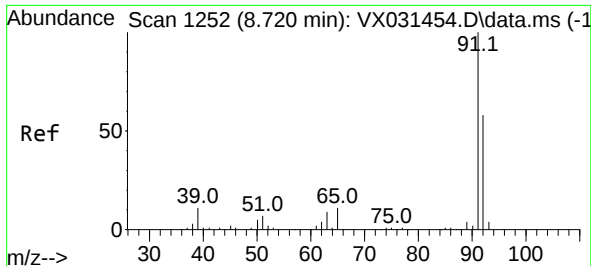
Tgt Ion: 78 Resp: 76782
Ion Ratio Lower Upper
78 100
77 25.3 18.7 28.1



#50
Toluene-d8
Concen: 50.496 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

Tgt Ion: 98 Resp: 279242
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7





#52

Toluene

Concen: 0.323 ug/l

RT: 8.720 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

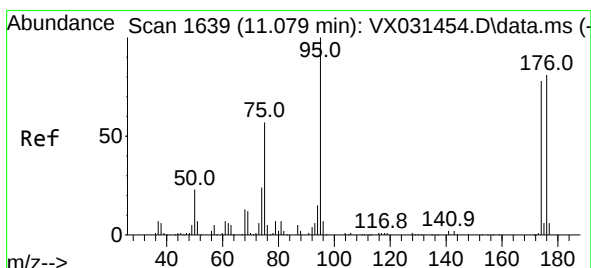
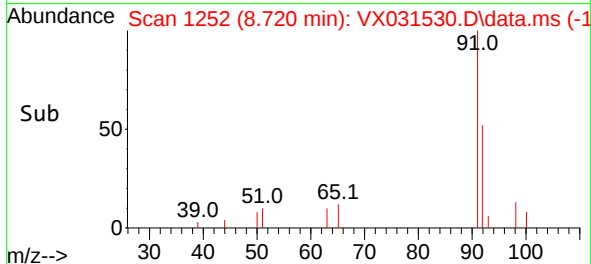
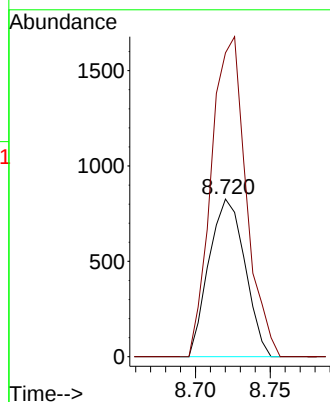
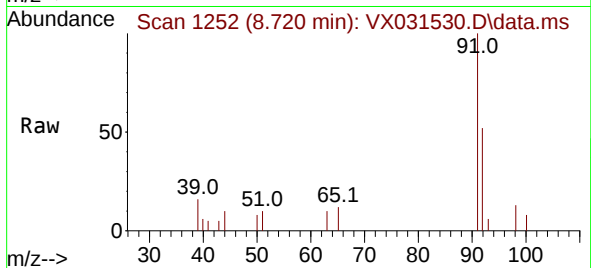
MW-10R

Tgt Ion: 92 Resp: 1386

Ion Ratio Lower Upper

92 100

91 195.7 137.1 205.7



#62

4-Bromofluorobenzene

Concen: 47.545 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

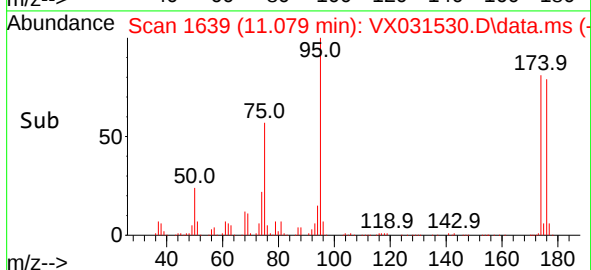
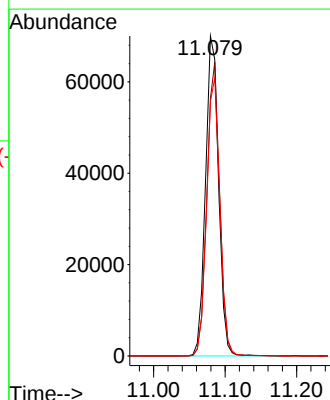
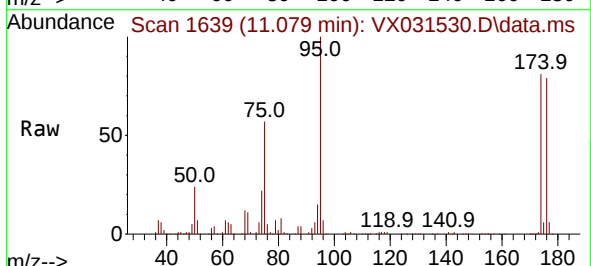
Tgt Ion: 95 Resp: 89059

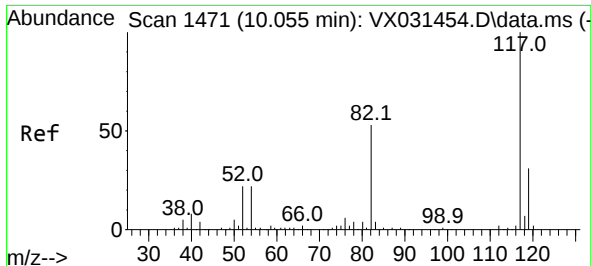
Ion Ratio Lower Upper

95 100

174 89.9 0.0 153.2

176 87.9 0.0 144.0

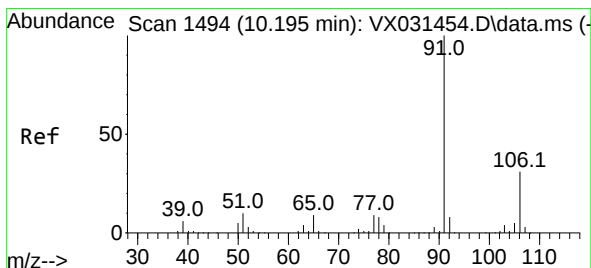
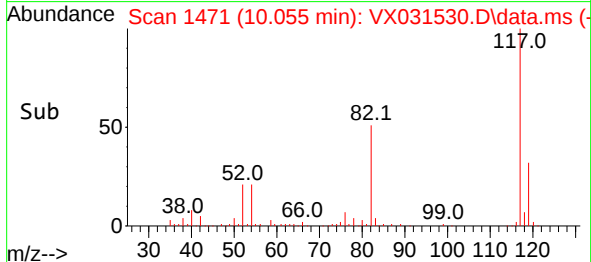
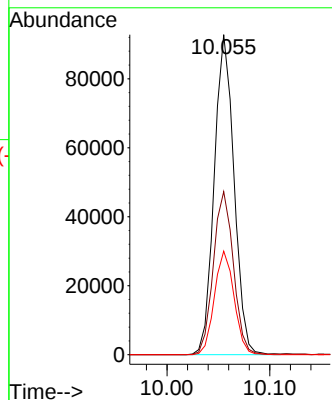
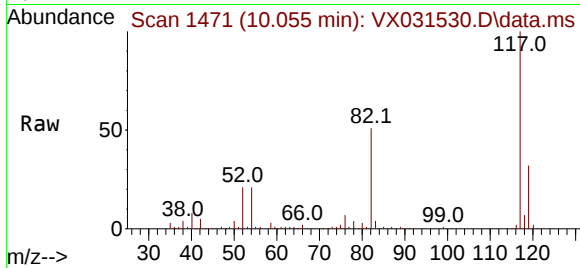




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

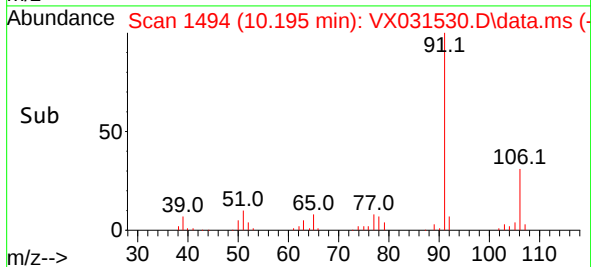
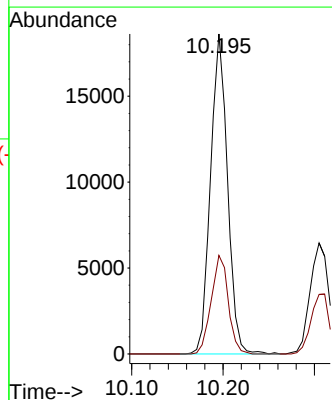
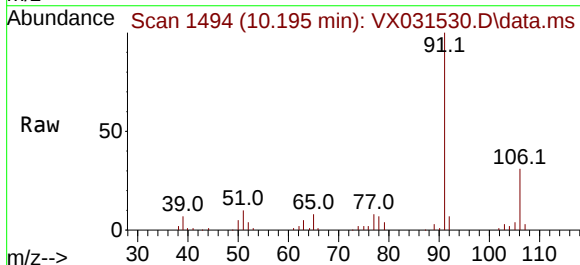
Instrument :
MSVOA_X
ClientSampleId :
MW-10R

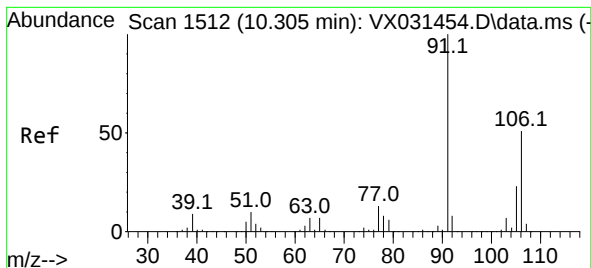
Tgt Ion:117 Resp: 123909
Ion Ratio Lower Upper
117 100
82 51.0 46.8 70.2
119 32.3 26.4 39.6



#67
Ethyl Benzene
Concen: 3.550 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

Tgt Ion: 91 Resp: 23953
Ion Ratio Lower Upper
91 100
106 30.8 25.2 37.8





#68

m/p-Xylenes

Concen: 1.835 ug/l

RT: 10.311 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

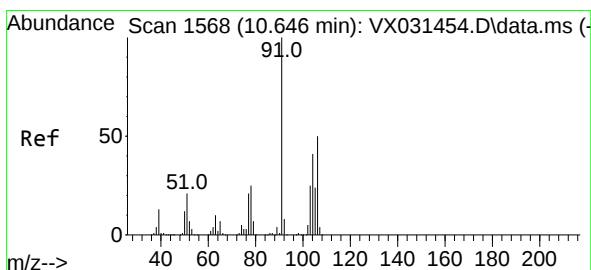
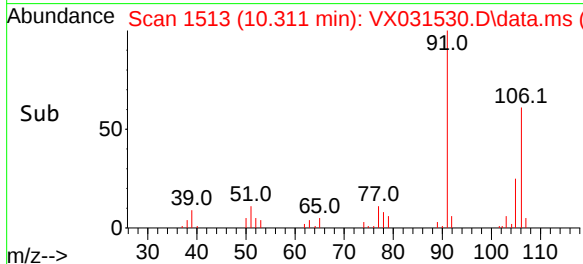
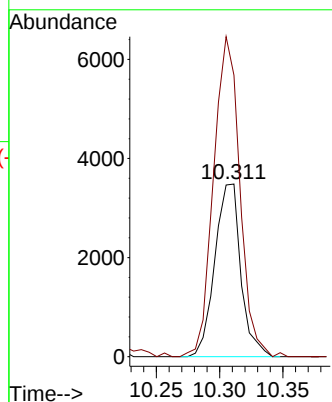
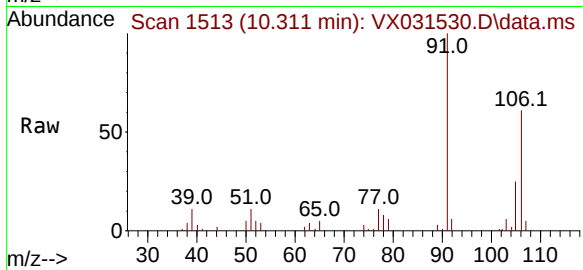
MW-10R

Tgt Ion:106 Resp: 4974

Ion Ratio Lower Upper

106 100

91 187.3 161.0 241.4



#69

o-Xylene

Concen: 0.235 ug/l

RT: 10.647 min Scan# 1568

Delta R.T. 0.001 min

Lab File: VX031530.D

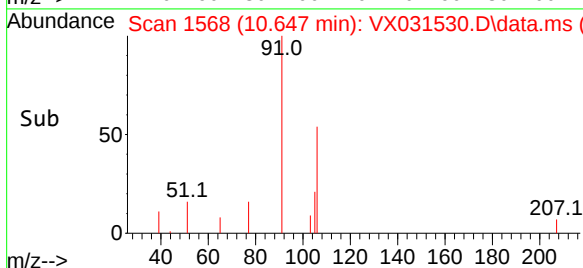
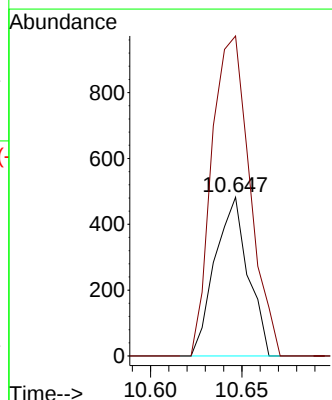
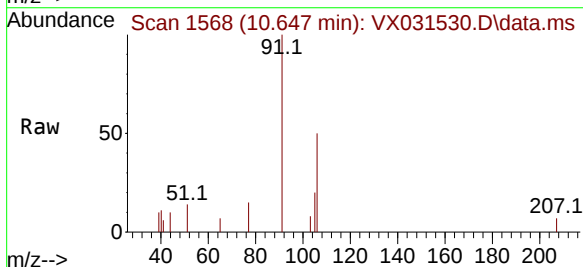
Acq: 21 Sep 2022 17:27

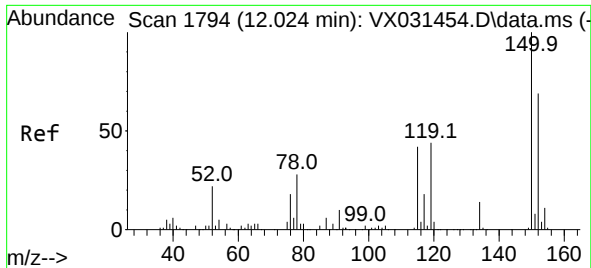
Tgt Ion:106 Resp: 609

Ion Ratio Lower Upper

106 100

91 231.0 107.2 321.6

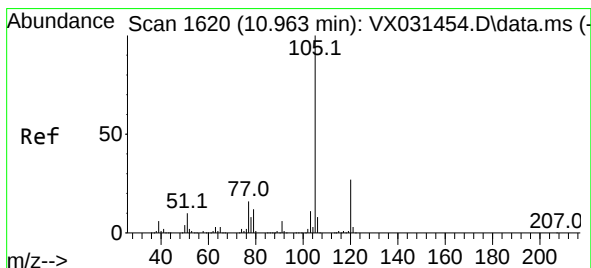
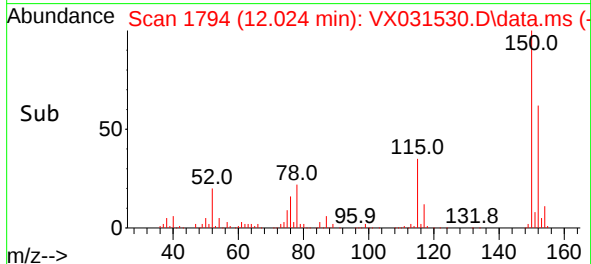
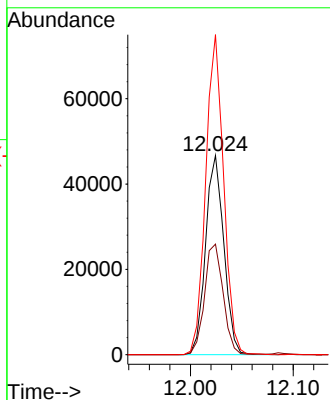
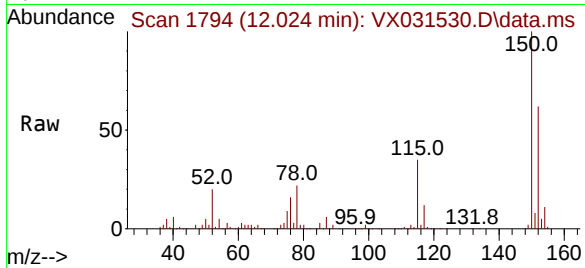




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX031530.D
 Acq: 21 Sep 2022 17:27

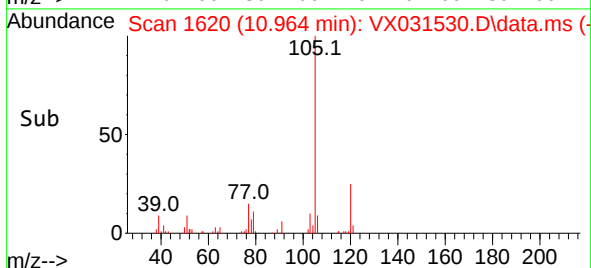
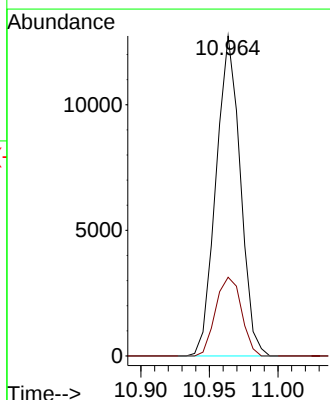
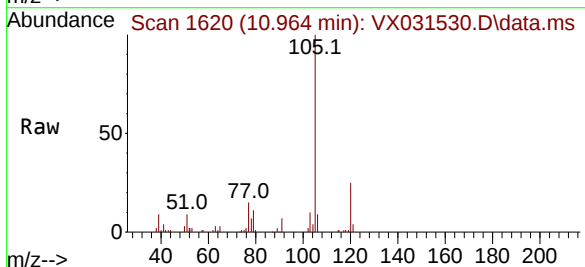
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-10R

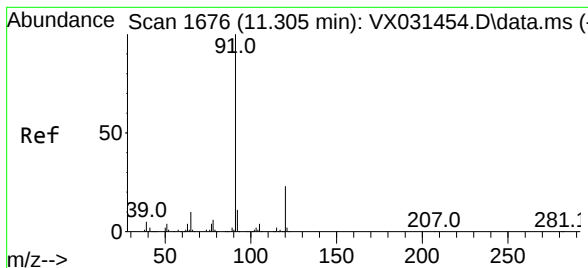
Tgt Ion:152 Resp: 57820
 Ion Ratio Lower Upper
 152 100
 115 56.5 43.4 130.1
 150 157.4 0.0 346.8



#73
 Isopropylbenzene
 Concen: 3.632 ug/l
 RT: 10.964 min Scan# 1620
 Delta R.T. 0.001 min
 Lab File: VX031530.D
 Acq: 21 Sep 2022 17:27

Tgt Ion:105 Resp: 15682
 Ion Ratio Lower Upper
 105 100
 120 26.2 13.7 41.0





#78

n-propylbenzene

Concen: 5.971 ug/l

RT: 11.305 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

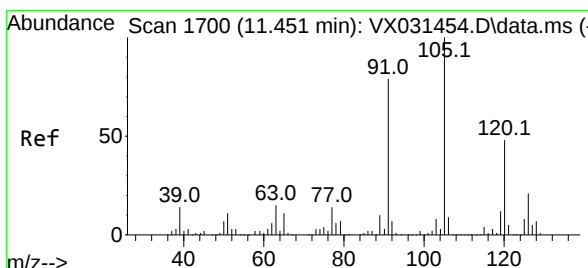
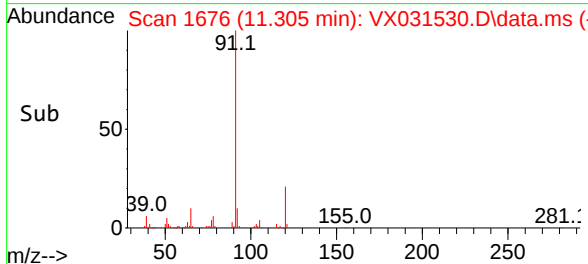
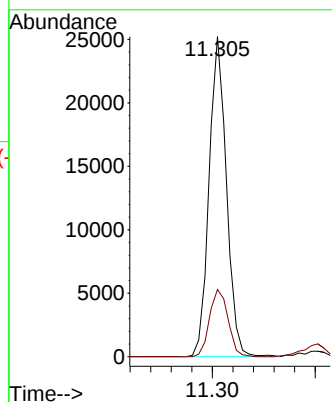
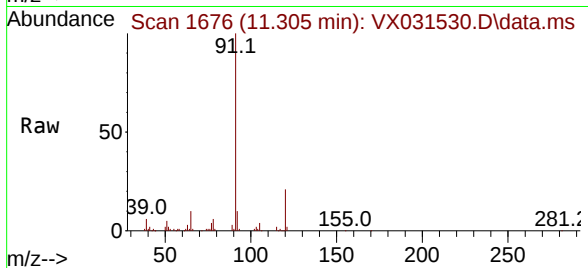
MW-10R

Tgt Ion: 91 Resp: 29662

Ion Ratio Lower Upper

91 100

120 22.3 11.8 35.4



#80

1,3,5-Trimethylbenzene

Concen: 0.317 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX031530.D

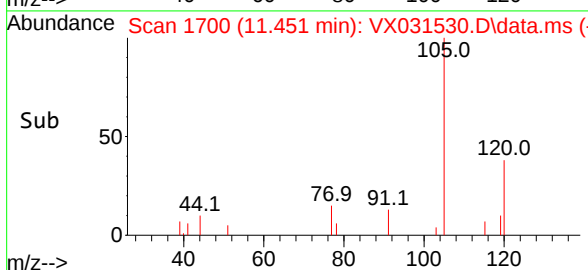
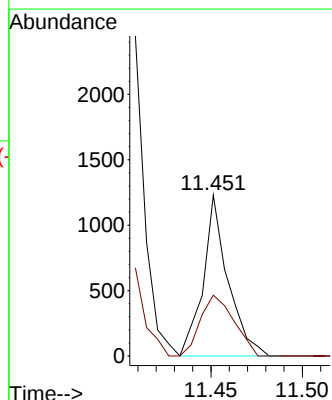
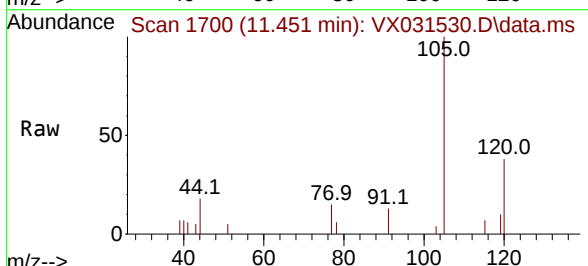
Acq: 21 Sep 2022 17:27

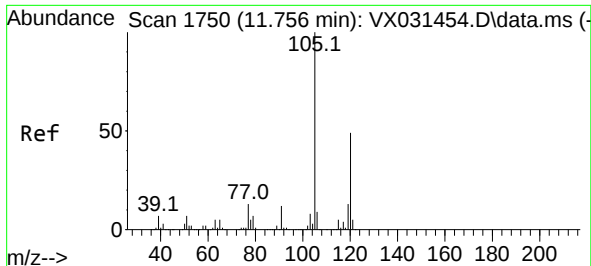
Tgt Ion: 105 Resp: 1162

Ion Ratio Lower Upper

105 100

120 51.2 24.5 73.5

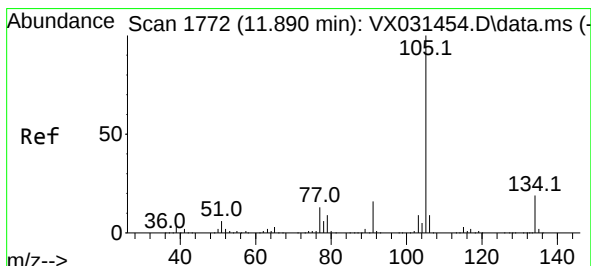
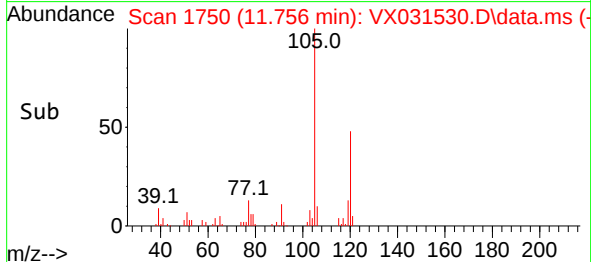
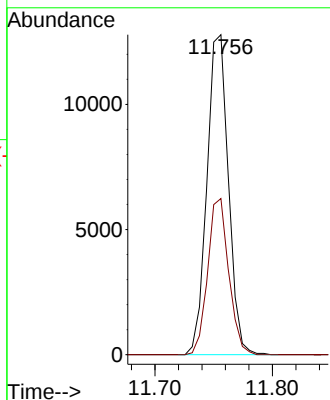
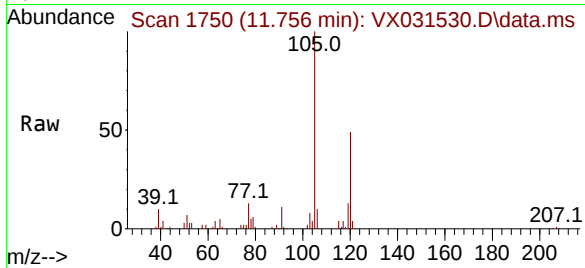




#84
1,2,4-Trimethylbenzene
Concen: 4.492 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

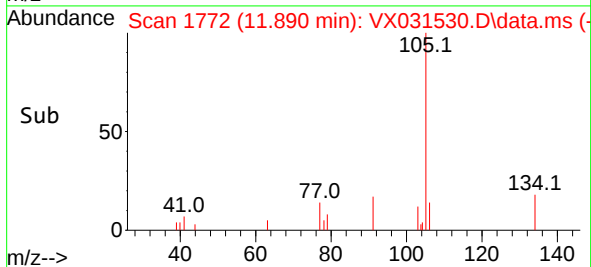
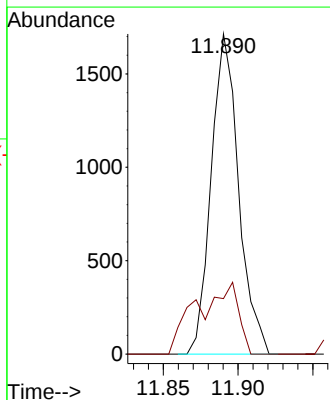
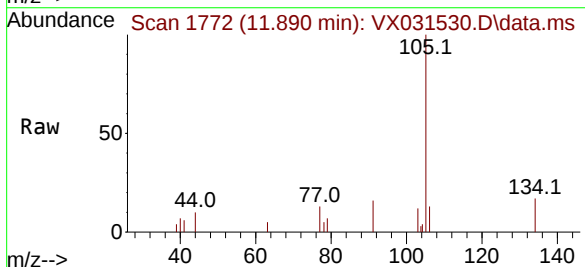
Instrument :
MSVOA_X
ClientSampleId :
MW-10R

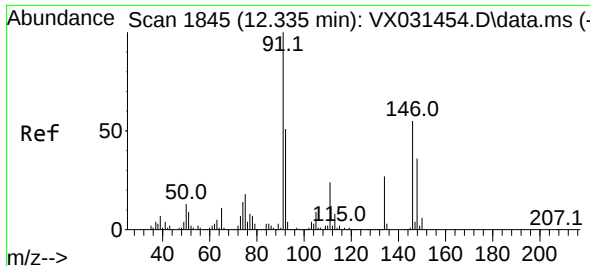
Tgt Ion:105 Resp: 16212
Ion Ratio Lower Upper
105 100
120 47.8 22.6 67.8



#85
sec-Butylbenzene
Concen: 0.486 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX031530.D
Acq: 21 Sep 2022 17:27

Tgt Ion:105 Resp: 2185
Ion Ratio Lower Upper
105 100
134 19.1 10.4 31.1





#89

n-Butylbenzene

Concen: 0.559 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

Instrument :

MSVOA_X

ClientSampleId :

MW-10R

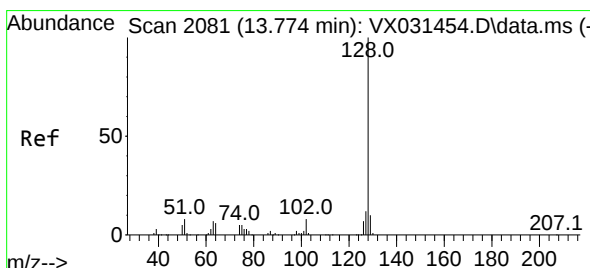
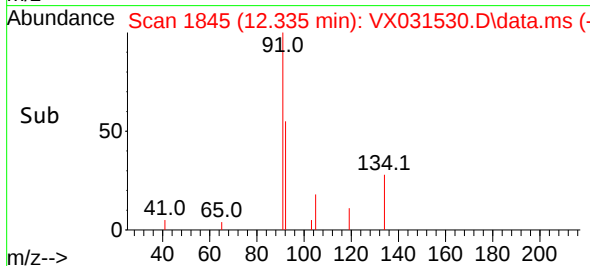
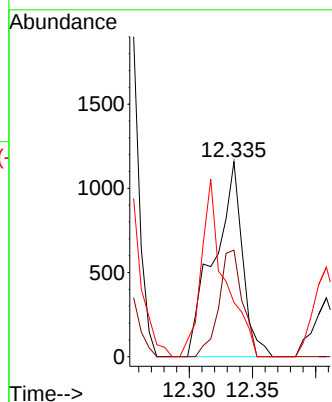
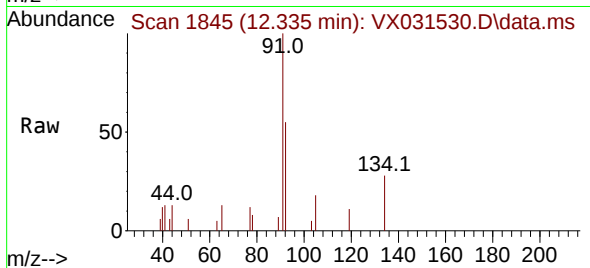
Tgt Ion: 91 Resp: 1808

Ion Ratio Lower Upper

91 100

92 45.5 27.0 81.0

134 75.5 13.3 39.9#



#95

Naphthalene

Concen: 6.916 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX031530.D

Acq: 21 Sep 2022 17:27

Tgt Ion: 128 Resp: 28668

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

129 11.6 8.8 13.2

