

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092122\
 Data File : VX031531.D
 Acq On : 21 Sep 2022 17:50
 Operator : JC/MD
 Sample : N4614-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13R

Quant Time: Sep 22 01:15:09 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)

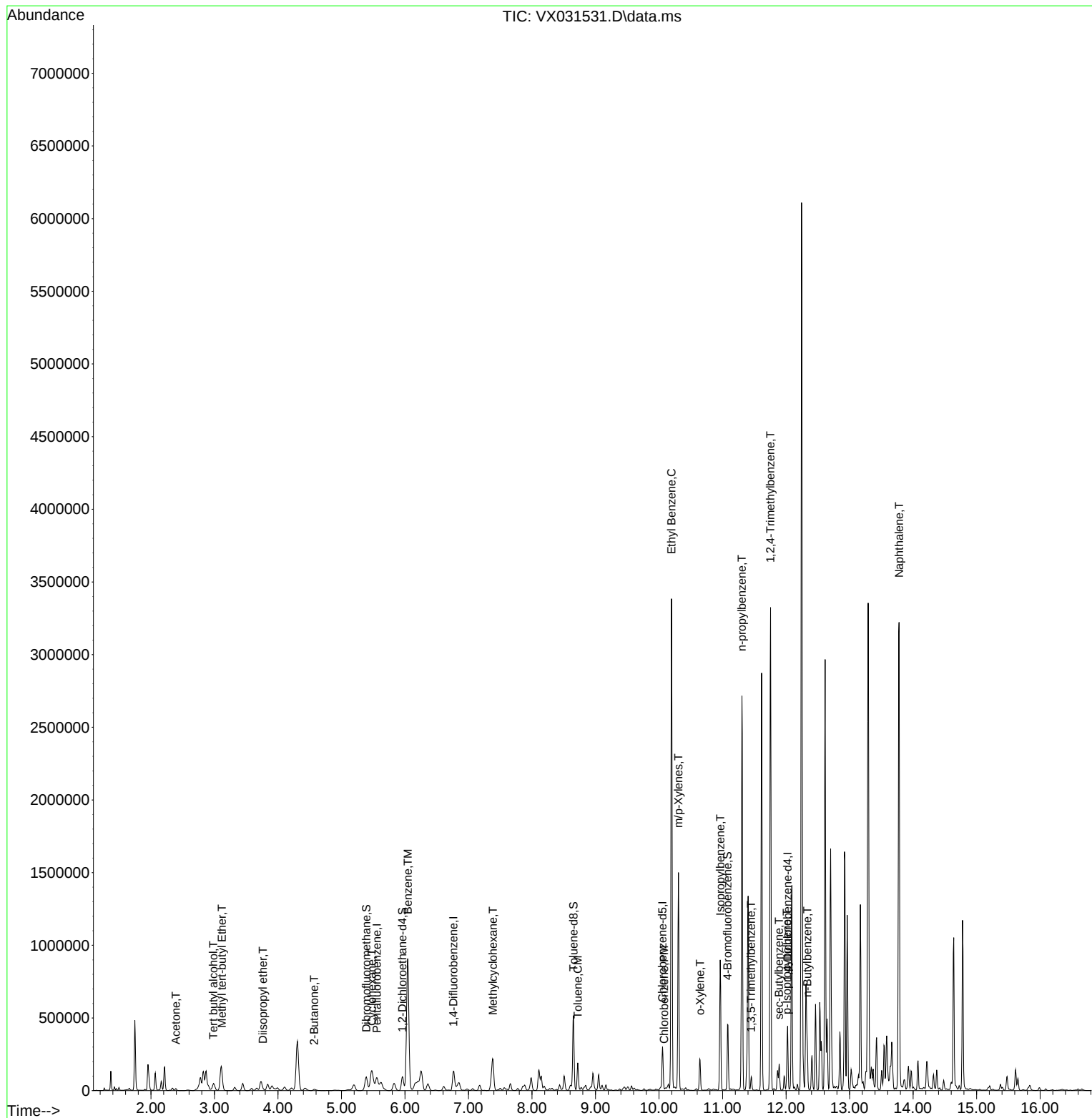
Internal Standards						
1) Pentafluorobenzene	5.556	168	81639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	137864	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84603	56.543	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.080%			
35) Dibromofluoromethane	5.391	113	70947	49.785	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.580%			
50) Toluene-d8	8.653	98	293944	53.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.040%			
62) 4-Bromofluorobenzene	11.079	95	109817	59.025	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 118.060%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.983	59	76704	241.677	ug/l	98
16) Acetone	2.392	43	15838	13.846	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	73526	15.998	ug/l #	1
22) Diisopropyl ether	3.763	45	9956	2.219	ug/l #	79
25) 2-Butanone	4.568	43	13363	11.561	ug/l	93
31) Cyclohexane	5.477	56	93446	42.081	ug/l	94
39) Methylcyclohexane	7.385	83	91281	33.854	ug/l	94
40) Benzene	6.044	78	1054800	161.343	ug/l	98
52) Toluene	8.720	92	66208	15.528	ug/l	98
65) Chlorobenzene	10.079	112	1111	0.281	ug/l	97
67) Ethyl Benzene	10.195	91	1797252	257.013	ug/l	98
68) m/p-Xylenes	10.305	106	311552	110.864	ug/l	98
69) o-Xylene	10.646	106	46656	17.394	ug/l	100
73) Isopropylbenzene	10.963	105	442528	72.692	ug/l	100
78) n-propylbenzene	11.305	91	1588355	226.784	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	38386	7.430	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	1385913	272.387	ug/l	97
85) sec-Butylbenzene	11.890	105	93182	14.704	ug/l	98
86) p-Isopropyltoluene	12.012	119	23707	4.430	ug/l #	76
89) n-Butylbenzene	12.335	91	180904	39.688	ug/l #	56
95) Naphthalene	13.780	128	2151091	368.075	ug/l	99

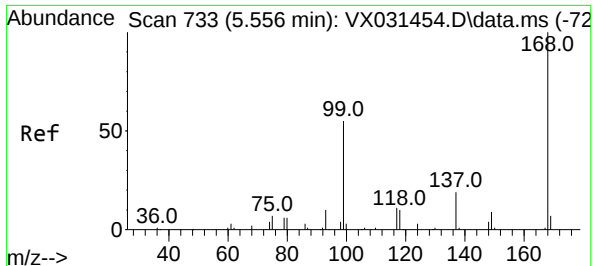
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

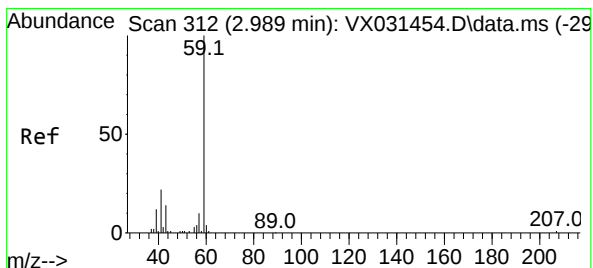
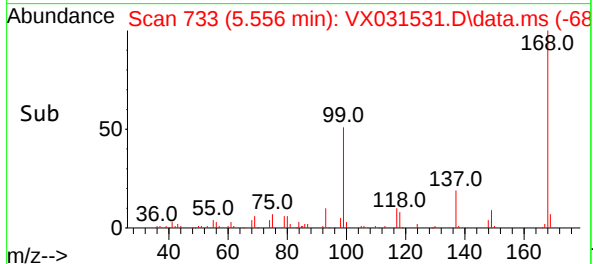
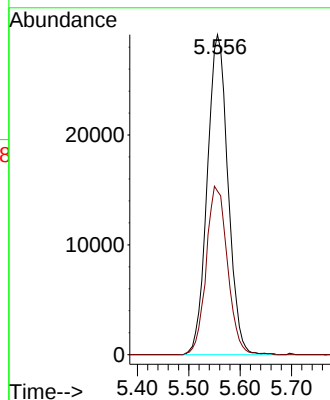
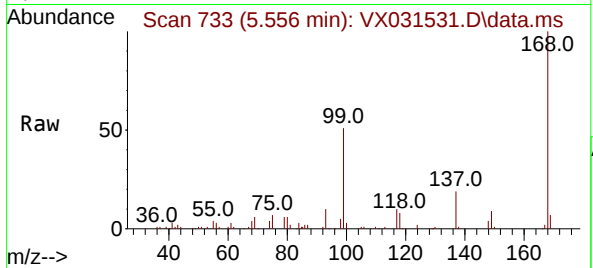




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

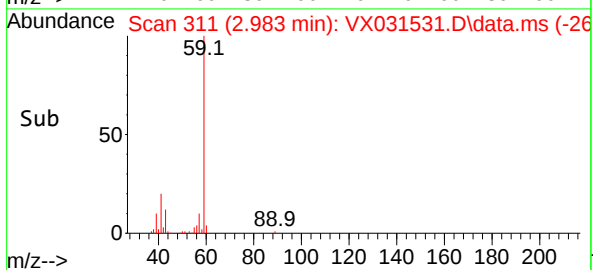
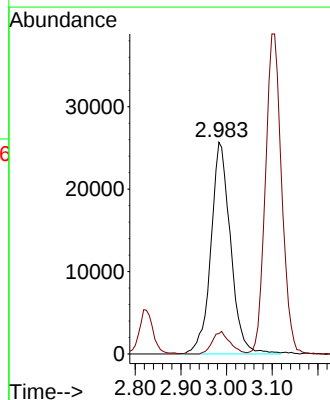
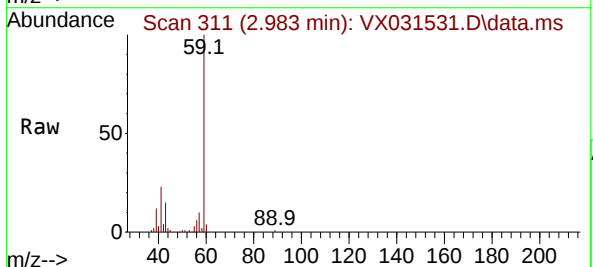
Instrument :
MSVOA_X
ClientSampleId :
MW-13R

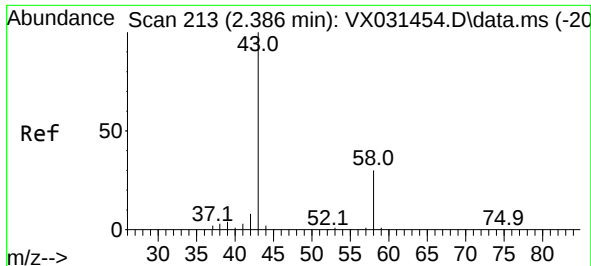
Tgt Ion:168 Resp: 81639
Ion Ratio Lower Upper
168 100
99 51.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 241.677 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion: 59 Resp: 76704
Ion Ratio Lower Upper
59 100
57 9.5 8.2 12.2

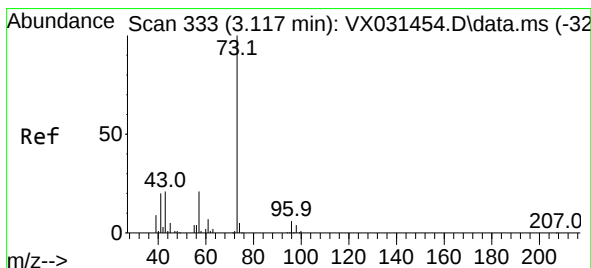
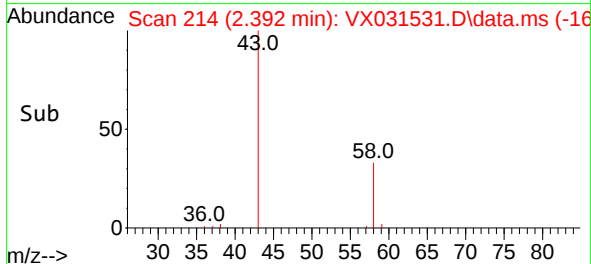
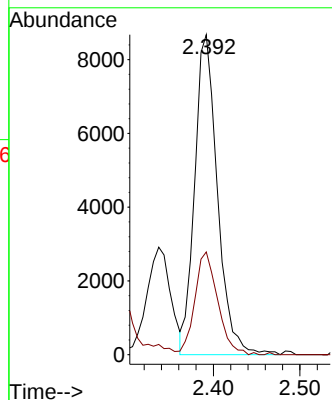
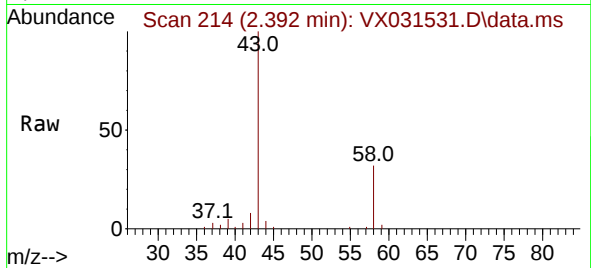




#16
Acetone
Concen: 13.846 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

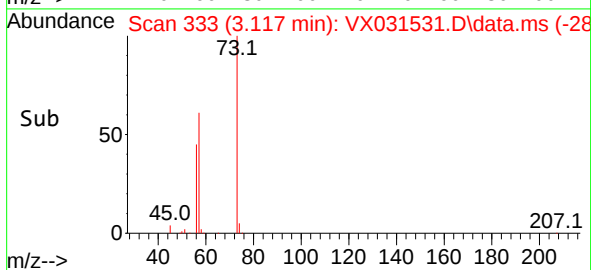
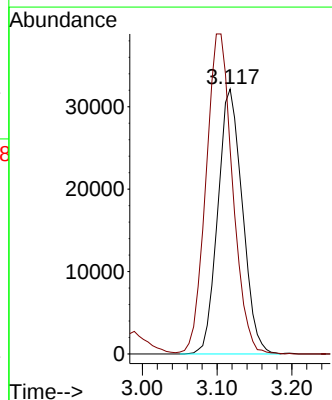
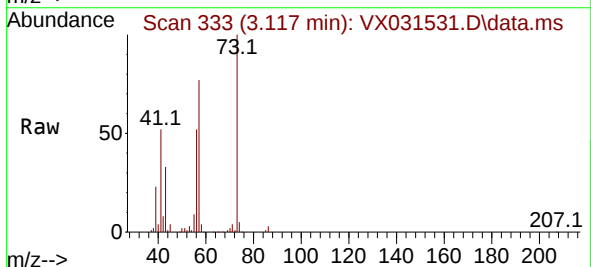
Instrument :
MSVOA_X
ClientSampleId :
MW-13R

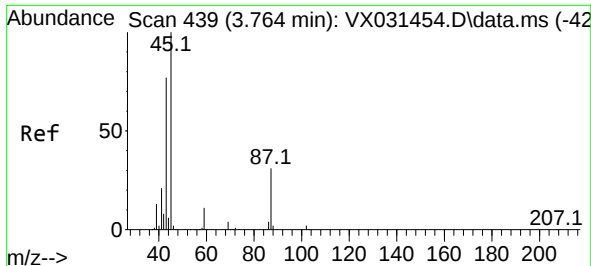
Tgt Ion: 43 Resp: 15838
Ion Ratio Lower Upper
43 100
58 32.1 23.8 35.8



#19
Methyl tert-butyl Ether
Concen: 15.998 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion: 73 Resp: 73526
Ion Ratio Lower Upper
73 100
57 77.2 17.2 25.8#

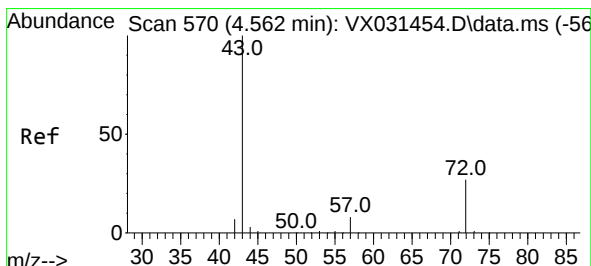
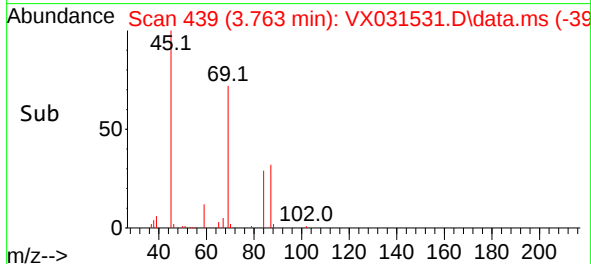
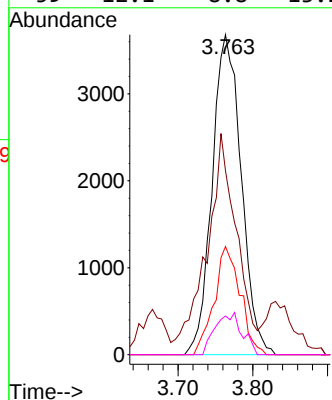
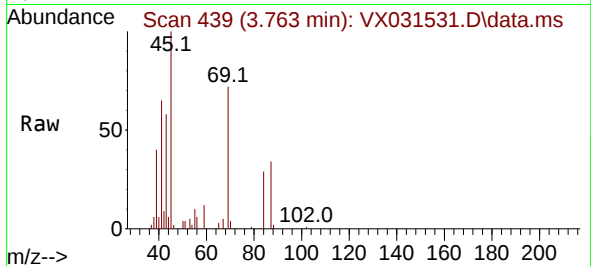




#22
Diisopropyl ether
Concen: 2.219 ug/l
RT: 3.763 min Scan# 41
Delta R.T. -0.001 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

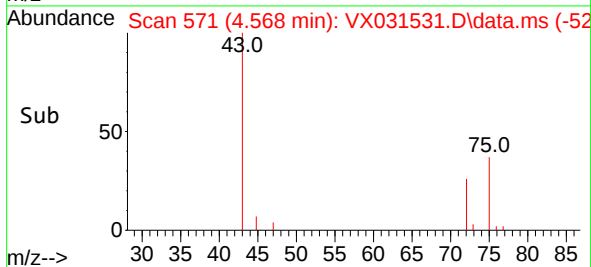
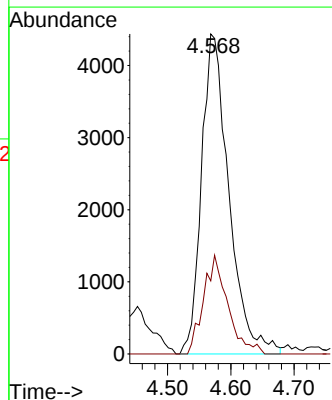
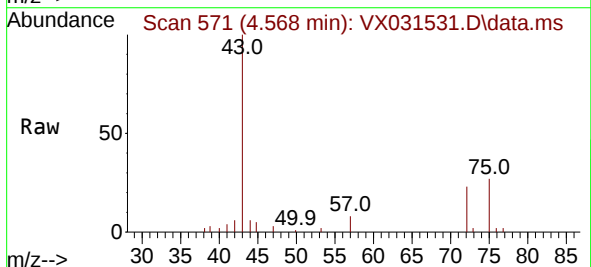
Instrument :
MSVOA_X
ClientSampleId :
MW-13R

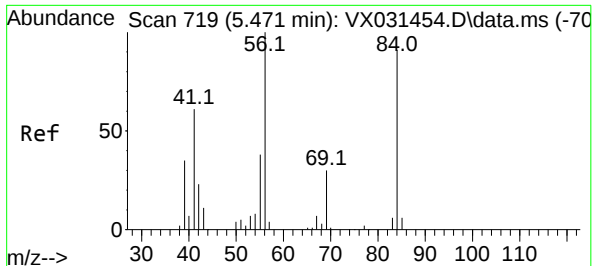
Tgt Ion:	45	Resp:	9956
Ion	Ratio	Lower	Upper
45	100		
43	50.8	59.0	88.6#
87	33.8	22.6	33.8
59	12.1	8.8	13.2



#25
2-Butanone
Concen: 11.561 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion:	43	Resp:	13363
Ion	Ratio	Lower	Upper
43	100		
72	22.8	21.1	31.7

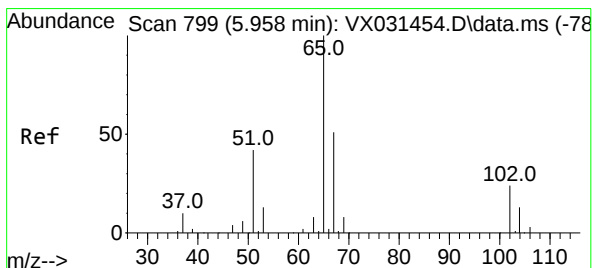
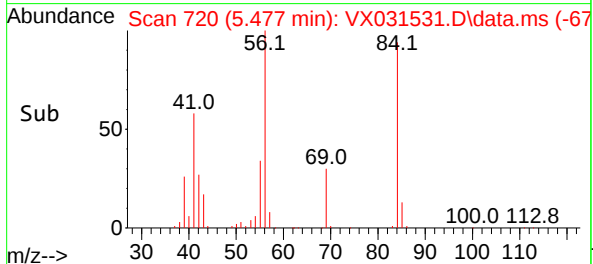
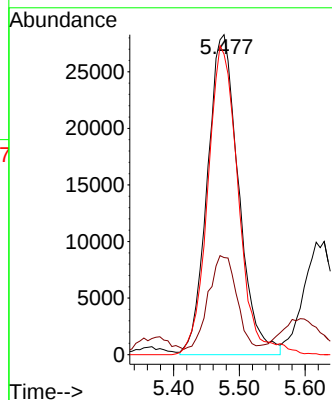
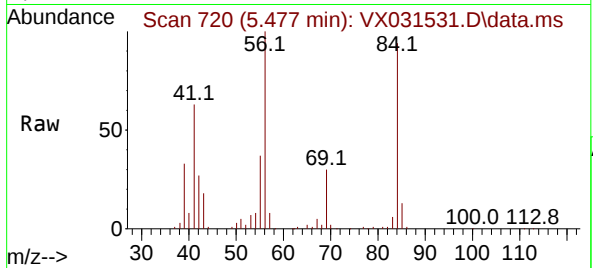




#31
Cyclohexane
Concen: 42.081 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

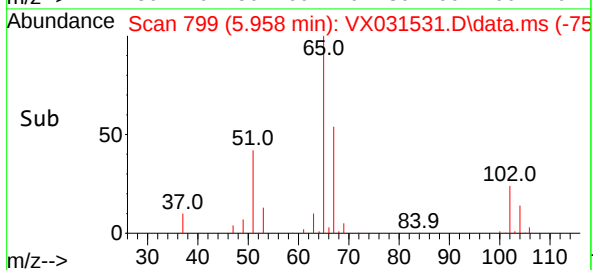
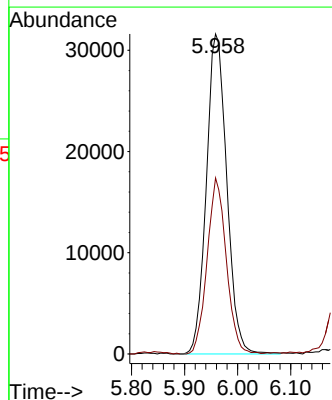
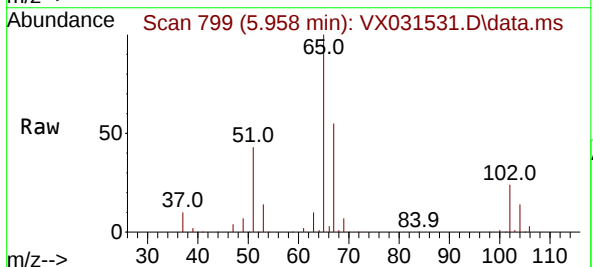
Instrument :
MSVOA_X
ClientSampleId :
MW-13R

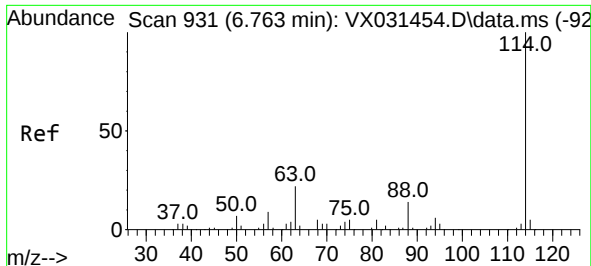
Tgt Ion: 56 Resp: 93446
Ion Ratio Lower Upper
56 100
69 28.2 25.1 37.7
84 94.0 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 56.543 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion: 65 Resp: 84603
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.4

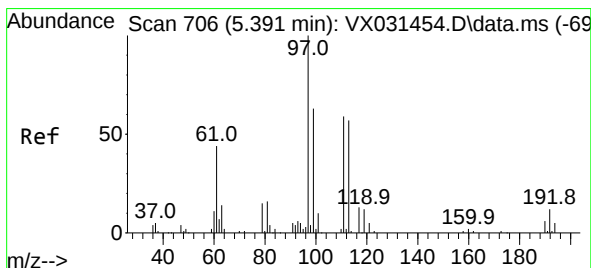
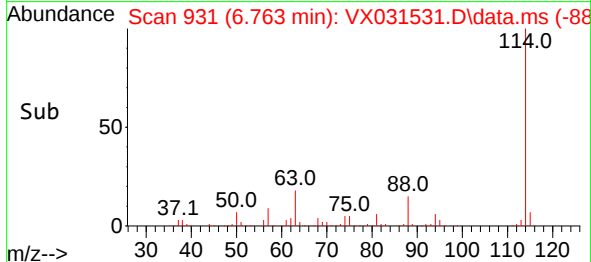
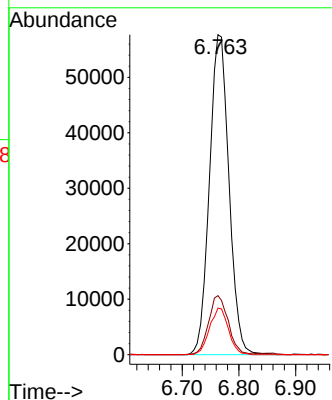
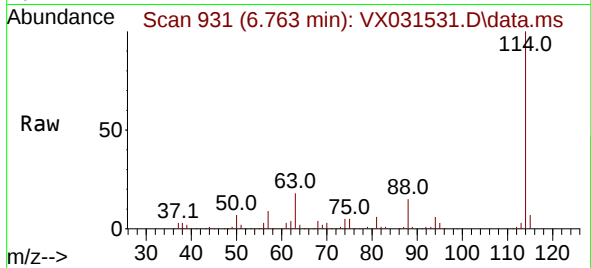




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

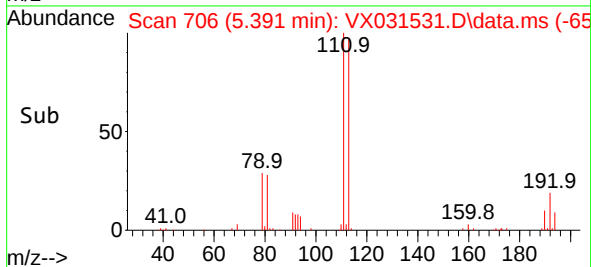
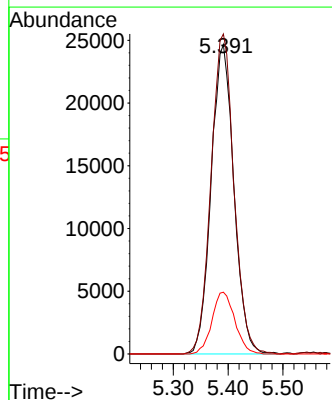
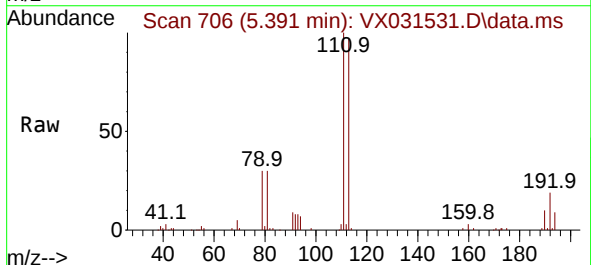
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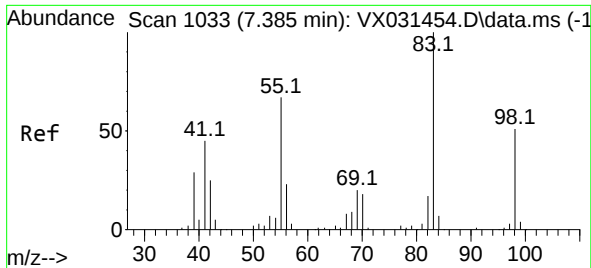
Tgt Ion:114 Resp: 137864
Ion Ratio Lower Upper
114 100
63 18.4 0.0 42.6
88 14.5 0.0 33.0



#35
Dibromofluoromethane
Concen: 49.785 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion:113 Resp: 70947
Ion Ratio Lower Upper
113 100
111 104.3 82.4 123.6
192 20.1 14.1 21.1





#39

Methylcyclohexane

Concen: 33.854 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX031531.D

Acq: 21 Sep 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

MW-13R

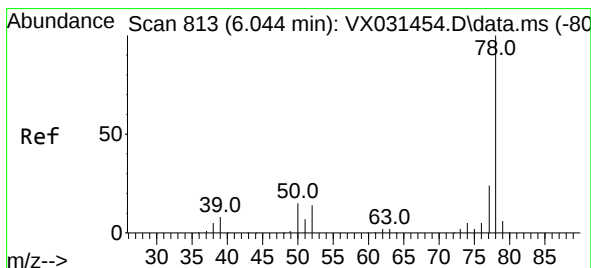
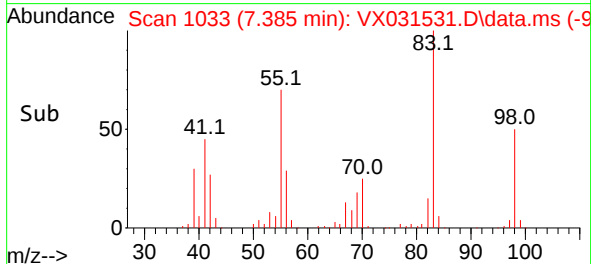
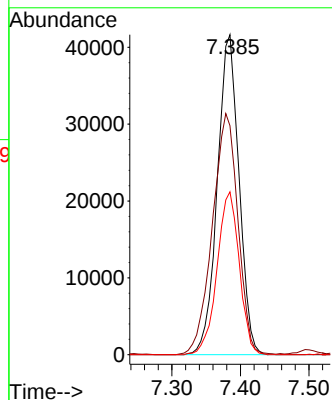
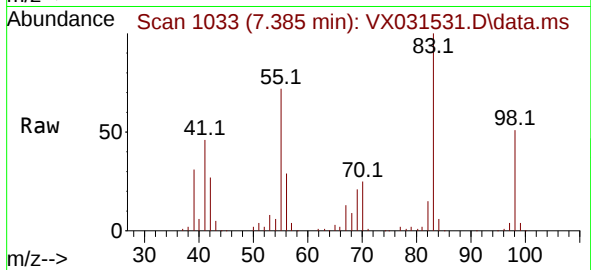
Tgt Ion: 83 Resp: 91281

Ion Ratio Lower Upper

83 100

55 71.3 61.0 91.4

98 50.9 37.7 56.5



#40

Benzene

Concen: 161.343 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX031531.D

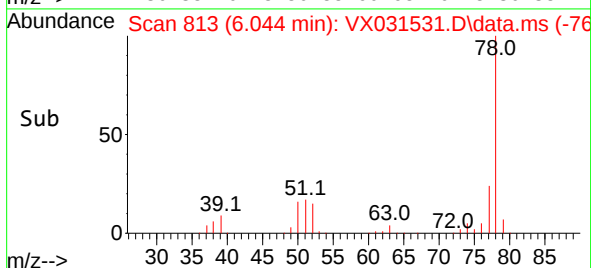
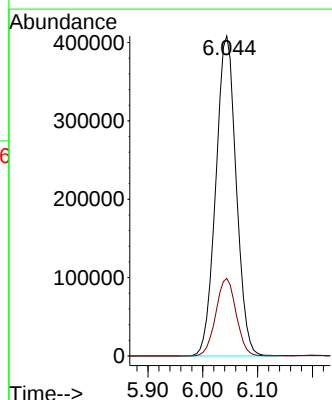
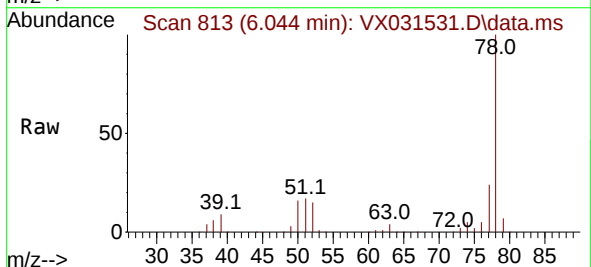
Acq: 21 Sep 2022 17:50

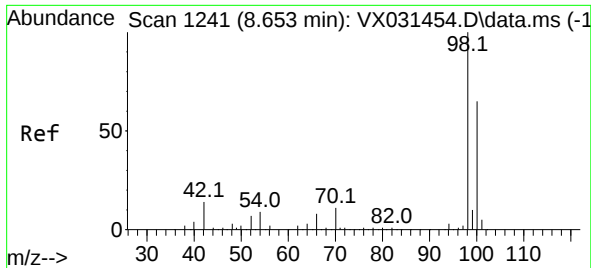
Tgt Ion: 78 Resp: 1054800

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1

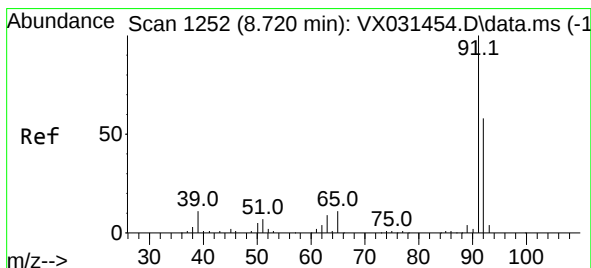
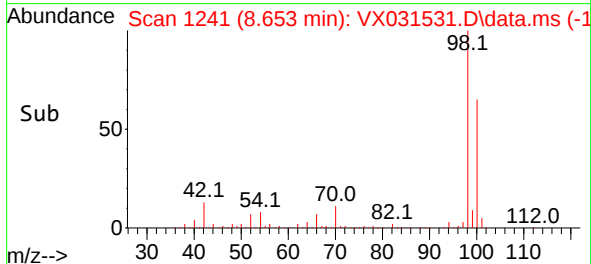
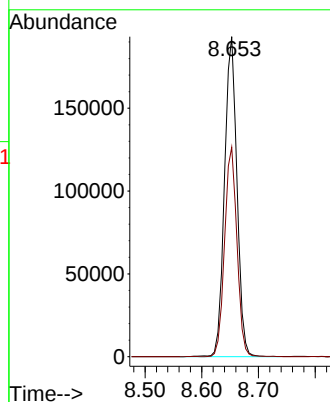
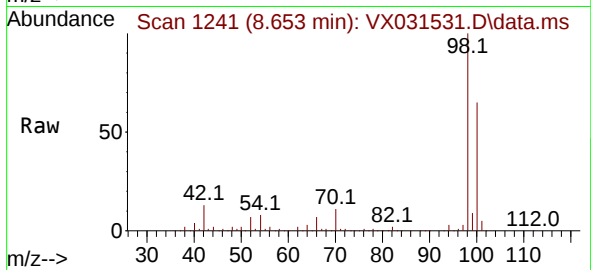




#50
Toluene-d8
Concen: 53.516 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

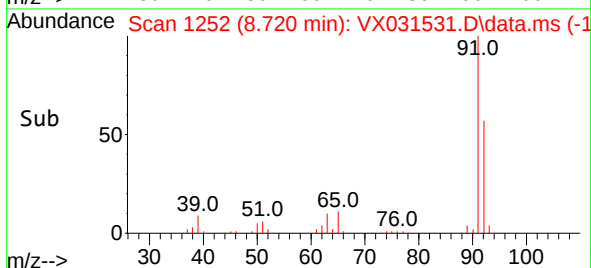
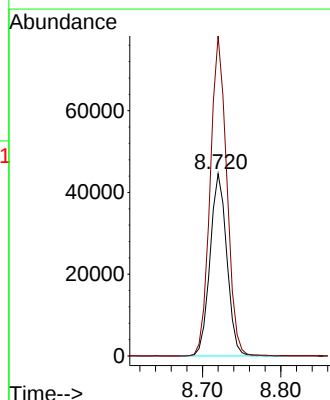
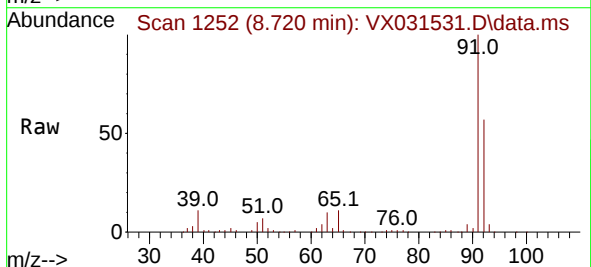
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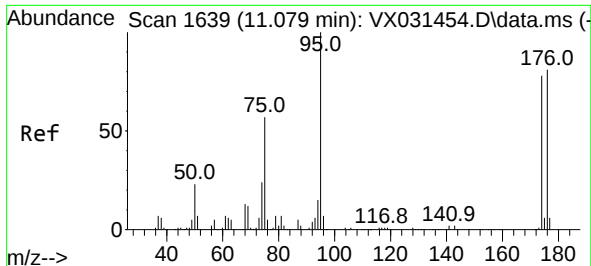
Tgt Ion: 98 Resp: 293944
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#52
Toluene
Concen: 15.528 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion: 92 Resp: 66208
Ion Ratio Lower Upper
92 100
91 173.8 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 59.025 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031531.D

Acq: 21 Sep 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

MW-13R

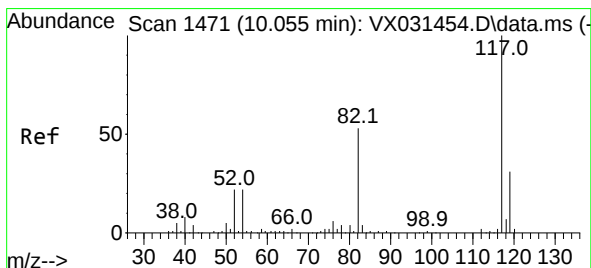
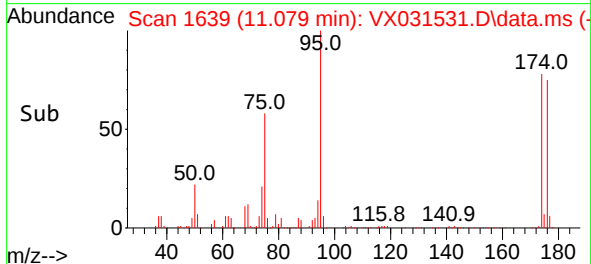
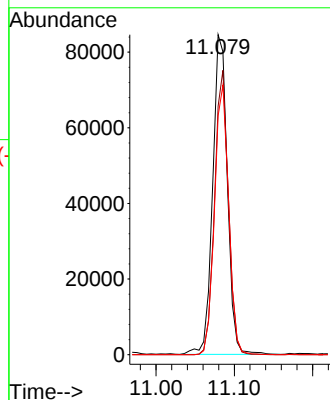
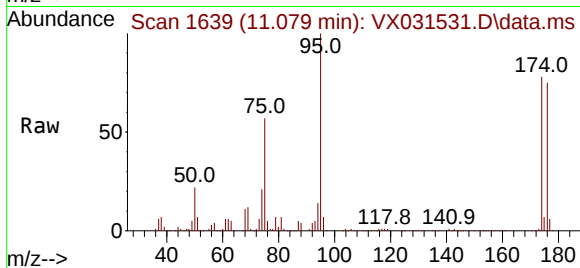
Tgt Ion: 95 Resp: 109817

Ion Ratio Lower Upper

95 100

174 83.9 0.0 153.2

176 81.6 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: VX031531.D

Acq: 21 Sep 2022 17:50

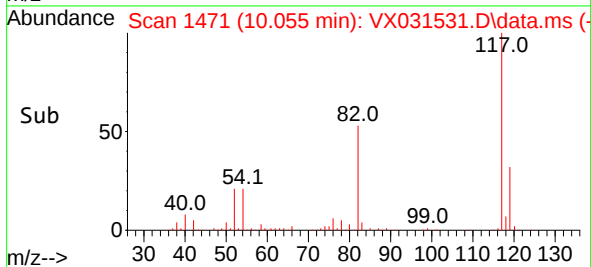
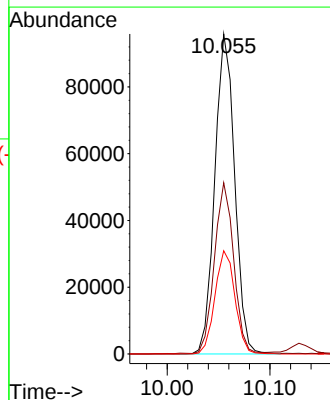
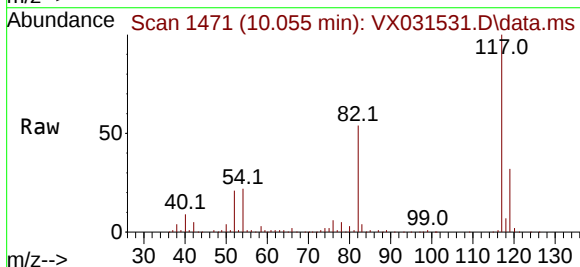
Tgt Ion: 117 Resp: 128432

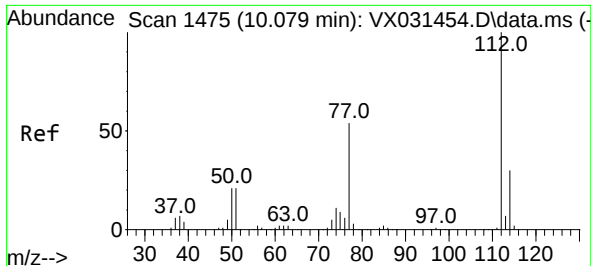
Ion Ratio Lower Upper

117 100

82 53.3 46.8 70.2

119 32.2 26.4 39.6

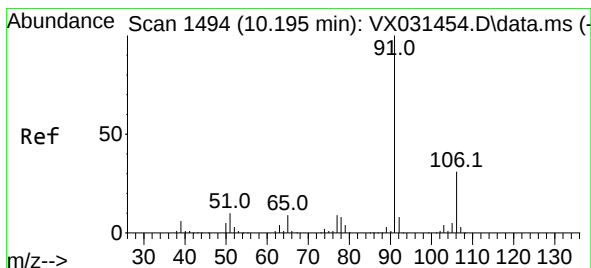
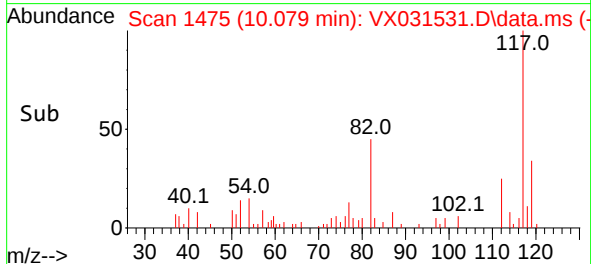
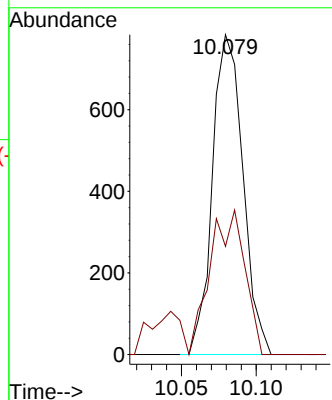
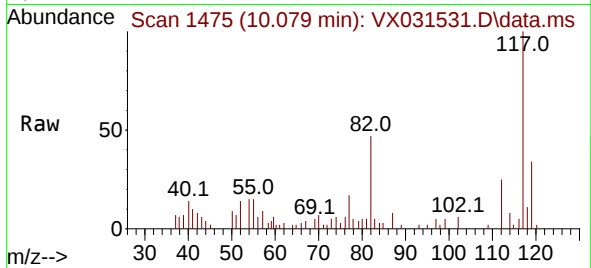




#65
Chlorobenzene
Concen: 0.281 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

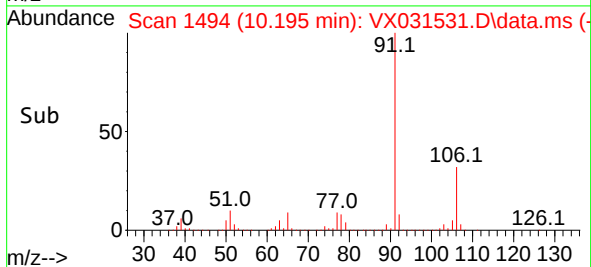
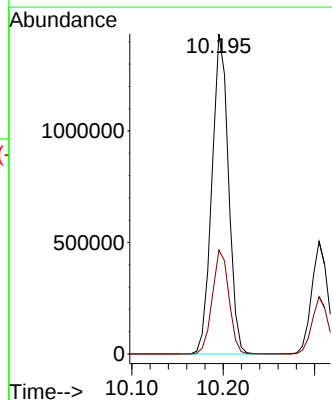
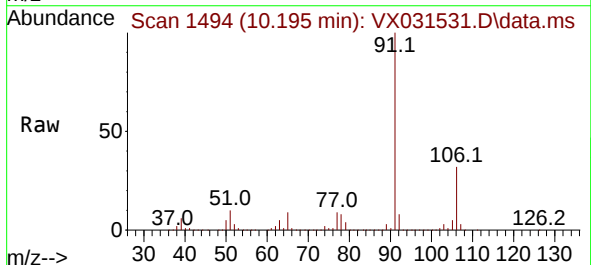
Instrument :
MSVOA_X
ClientSampleId :
MW-13R

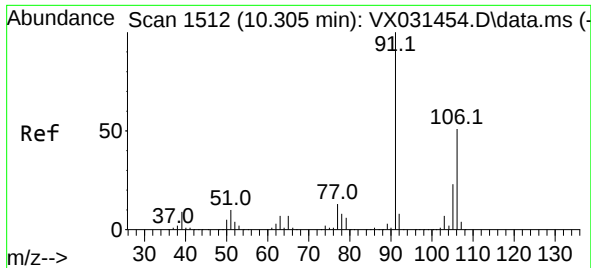
Tgt Ion:112 Resp: 1111
Ion Ratio Lower Upper
112 100
114 33.8 25.7 38.5



#67
Ethyl Benzene
Concen: 257.013 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion: 91 Resp: 1797252
Ion Ratio Lower Upper
91 100
106 32.5 25.2 37.8

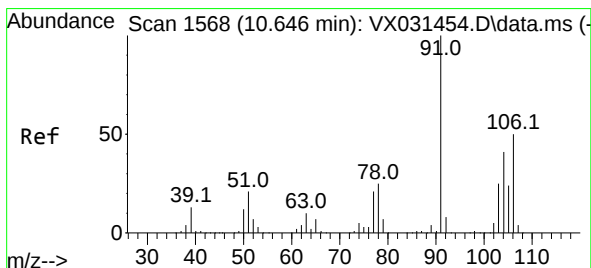
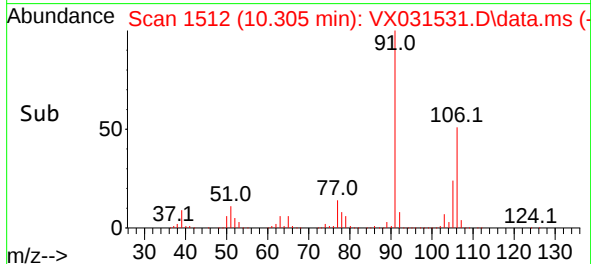
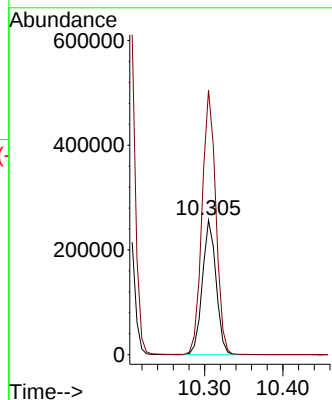
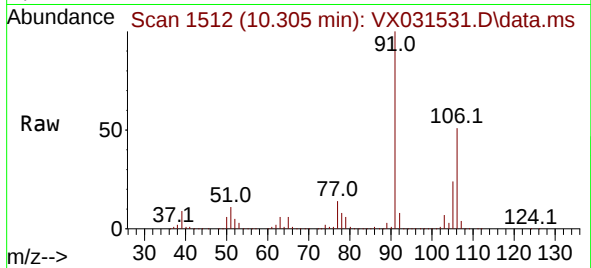




#68
m/p-Xylenes
Concen: 110.864 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

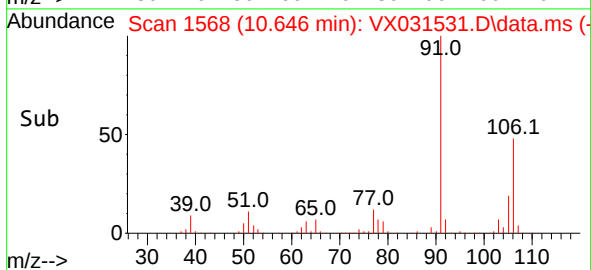
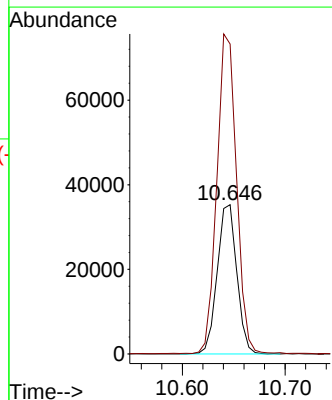
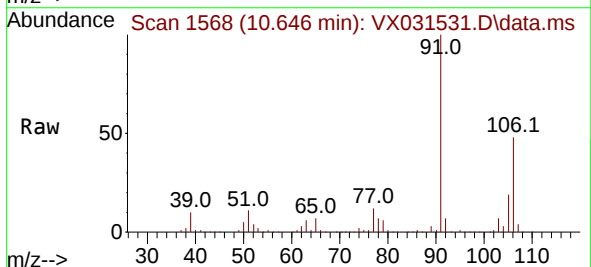
Instrument :
MSVOA_X
ClientSampleId :
MW-13R

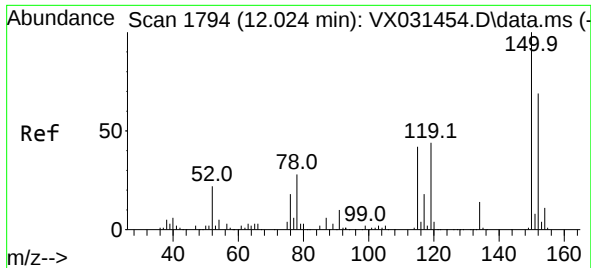
Tgt Ion:106 Resp: 311552
Ion Ratio Lower Upper
106 100
91 197.7 161.0 241.4



#69
o-Xylene
Concen: 17.394 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion:106 Resp: 46656
Ion Ratio Lower Upper
106 100
91 214.5 107.2 321.6

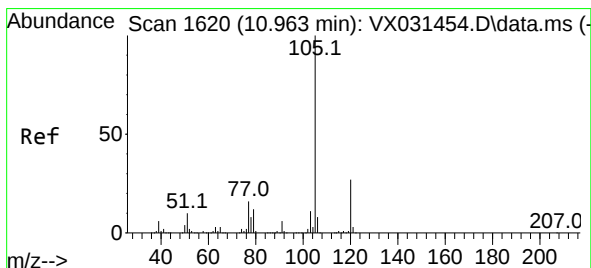
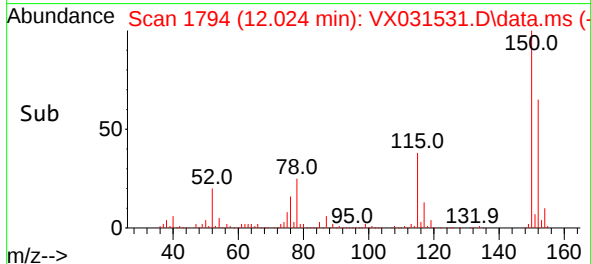
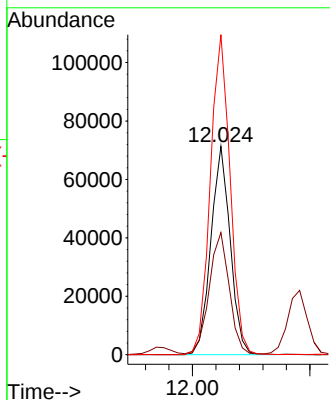
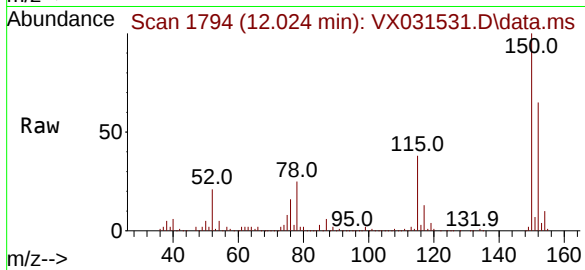




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX031531.D
 Acq: 21 Sep 2022 17:50

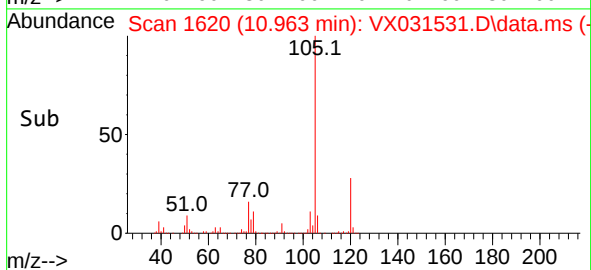
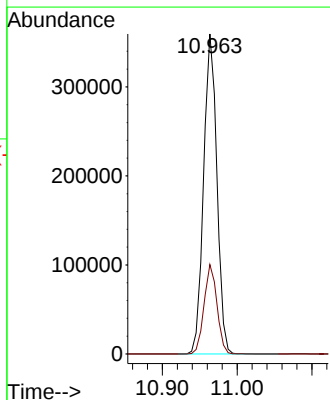
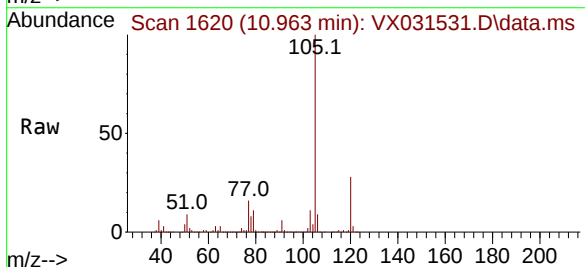
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13R

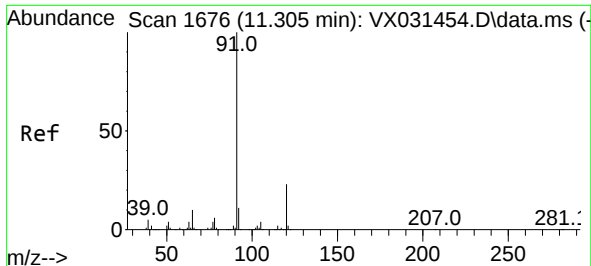
Tgt Ion:152 Resp: 81522
 Ion Ratio Lower Upper
 152 100
 115 60.0 43.4 130.1
 150 156.1 0.0 346.8



#73
 Isopropylbenzene
 Concen: 72.692 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX031531.D
 Acq: 21 Sep 2022 17:50

Tgt Ion:105 Resp: 442528
 Ion Ratio Lower Upper
 105 100
 120 27.2 13.7 41.0

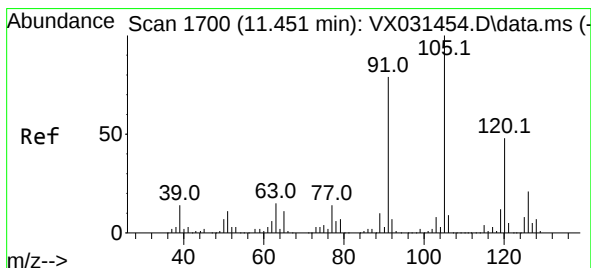
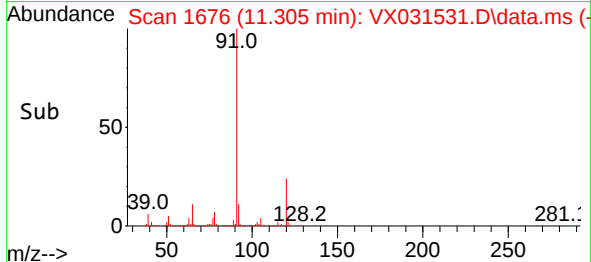
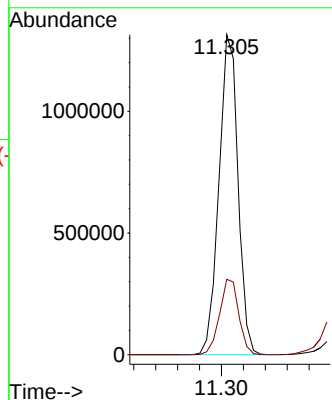
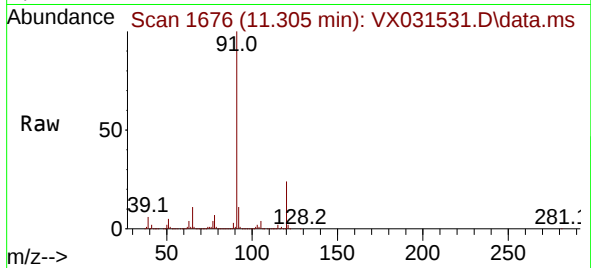




#78
n-propylbenzene
Concen: 226.784 ug/l
RT: 11.305 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

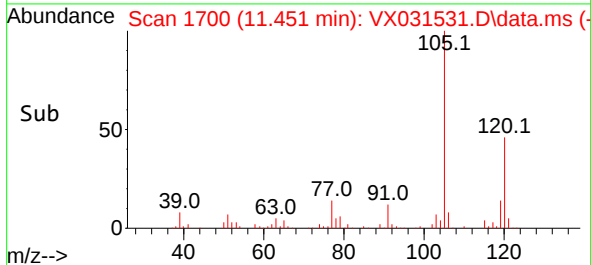
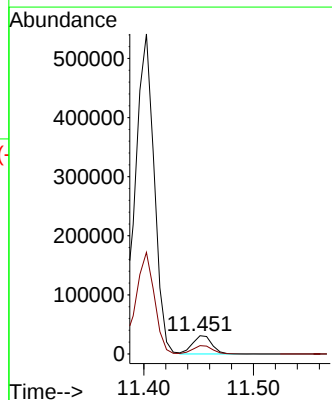
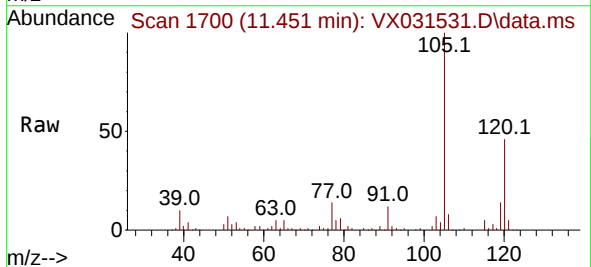
Instrument :
MSVOA_X
ClientSampleId :
MW-13R

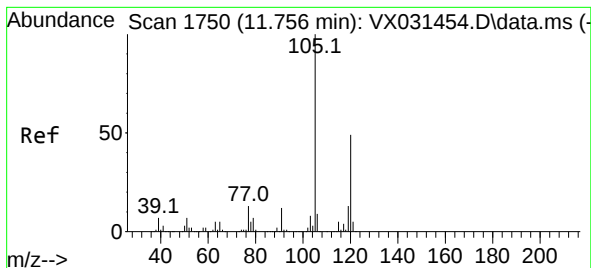
Tgt Ion: 91 Resp: 1588355
Ion Ratio Lower Upper
91 100
120 23.8 11.8 35.4



#80
1,3,5-Trimethylbenzene
Concen: 7.430 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Tgt Ion: 105 Resp: 38386
Ion Ratio Lower Upper
105 100
120 46.2 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 272.387 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX031531.D

Acq: 21 Sep 2022 17:50

Instrument :

MSVOA_X

ClientSampleId :

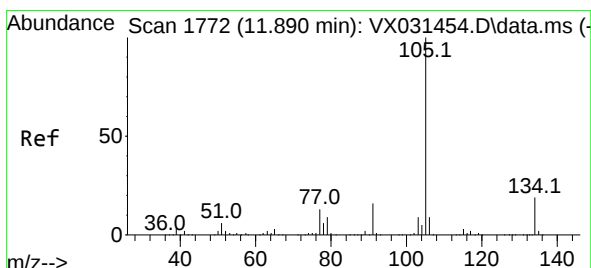
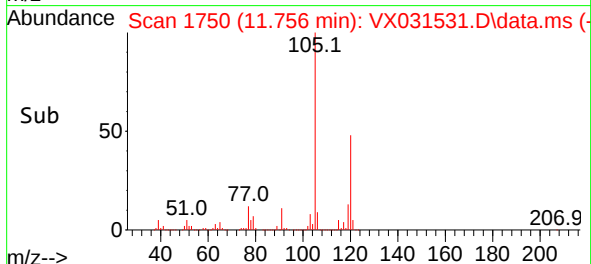
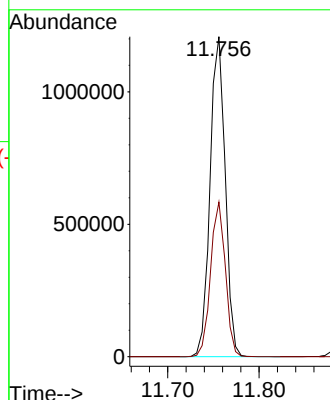
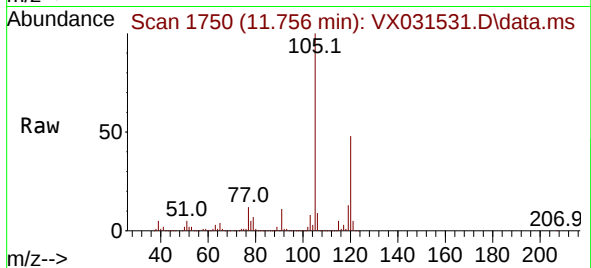
MW-13R

Tgt Ion:105 Resp: 1385913

Ion Ratio Lower Upper

105 100

120 47.2 22.6 67.8



#85

sec-Butylbenzene

Concen: 14.704 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX031531.D

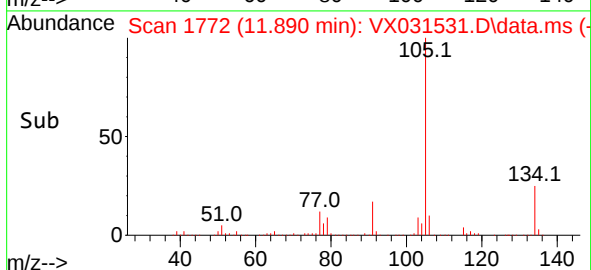
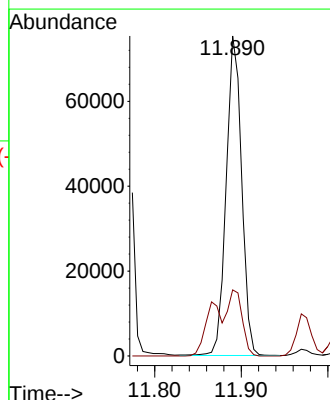
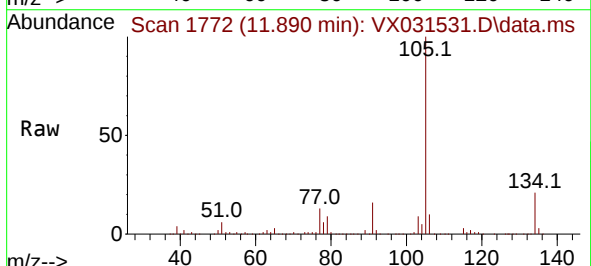
Acq: 21 Sep 2022 17:50

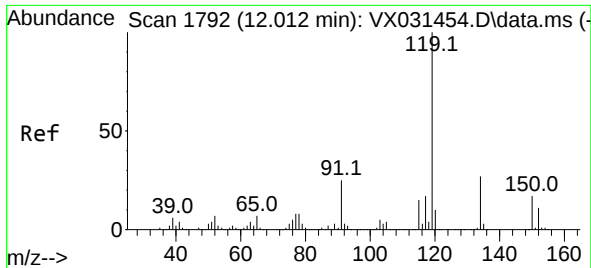
Tgt Ion:105 Resp: 93182

Ion Ratio Lower Upper

105 100

134 19.9 10.4 31.1

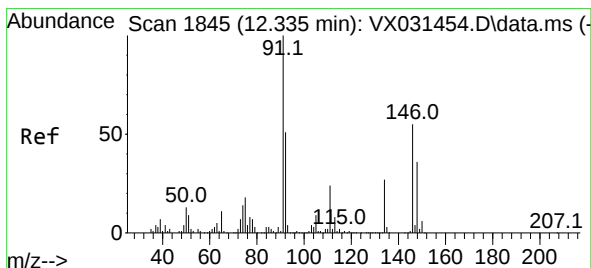
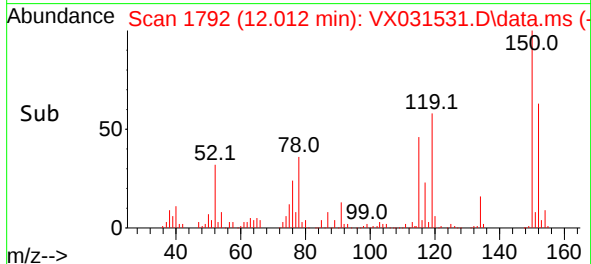
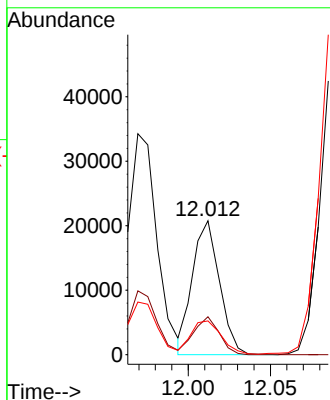
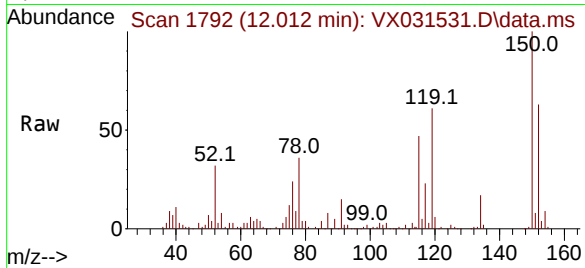




#86
 p-Isopropyltoluene
 Concen: 4.430 ug/l
 RT: 12.012 min Scan# 119
 Delta R.T. 0.000 min
 Lab File: VX031531.D
 Acq: 21 Sep 2022 17:50

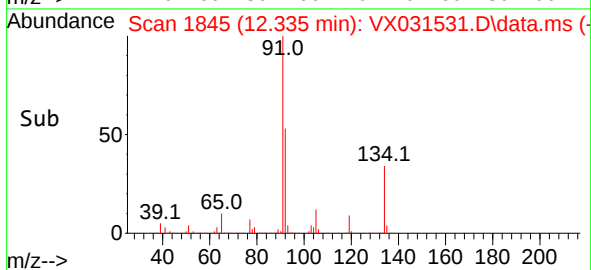
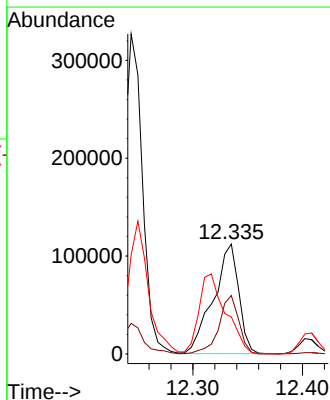
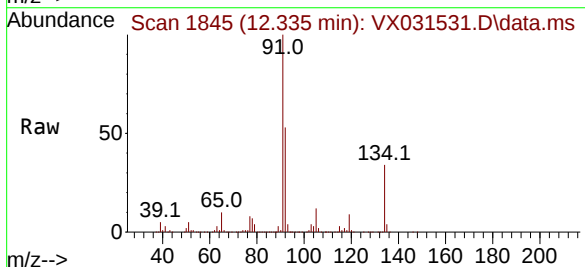
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13R

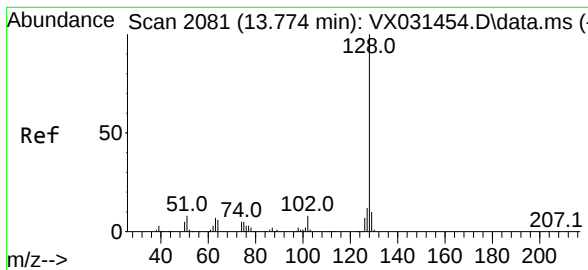
Tgt Ion:119 Resp: 23707
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 0.0 12.4 37.2#



#89
 n-Butylbenzene
 Concen: 39.688 ug/l
 RT: 12.335 min Scan# 1845
 Delta R.T. 0.000 min
 Lab File: VX031531.D
 Acq: 21 Sep 2022 17:50

Tgt Ion: 91 Resp: 180904
 Ion Ratio Lower Upper
 91 100
 92 41.7 27.0 81.0
 134 76.7 13.3 39.9#





#95
Naphthalene
Concen: 368.075 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX031531.D
Acq: 21 Sep 2022 17:50

Instrument :
MSVOA_X
ClientSampleId :
MW-13R

Tgt Ion:128 Resp: 2151091
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 11.3 8.8 13.2

