

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100622\
 Data File : VX031933.D
 Acq On : 06 Oct 2022 21:14
 Operator : JC/MD
 Sample : N4882-13 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-124

Quant Time: Oct 07 08:08:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

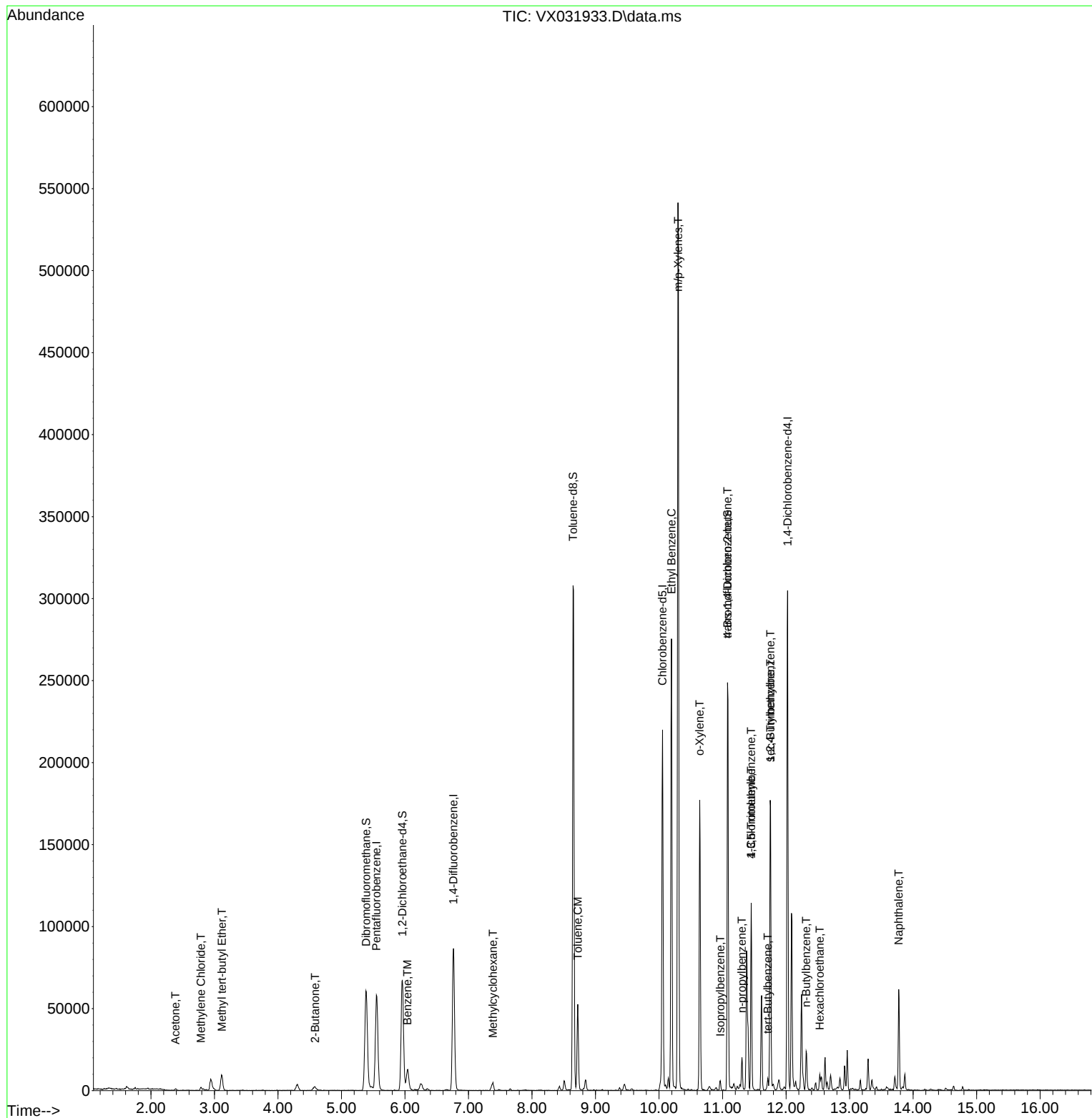
Internal Standards						
1) Pentafluorobenzene	5.550	168	54525	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	92129	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	98530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	65009	57.732	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.460%			
35) Dibromofluoromethane	5.385	113	53161	50.977	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.960%			
50) Toluene-d8	8.647	98	185739	49.497	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	11.079	95	67454	50.846	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.700%			
Target Compounds					Qvalue	
16) Acetone	2.386	43	1259	3.290	ug/l	91
19) Methyl tert-butyl Ether	3.117	73	9821	3.524	ug/l	95
20) Methylene Chloride	2.788	84	632	0.628	ug/l #	83
25) 2-Butanone	4.587	43	586	0.980	ug/l	96
39) Methylcyclohexane	7.385	83	1931	1.171	ug/l #	75
40) Benzene	6.037	78	15541	3.838	ug/l	99
52) Toluene	8.720	92	19741	7.456	ug/l	98
67) Ethyl Benzene	10.195	91	153310	30.355	ug/l	96
68) m/p-Xylenes	10.299	106	128320	63.935	ug/l	98
69) o-Xylene	10.640	106	37513	19.230	ug/l	99
73) Isopropylbenzene	10.963	105	3367	0.720	ug/l	95
78) n-propylbenzene	11.305	91	11887	2.236	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	45428	11.720	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	33664	90.898	ug/l #	11
82) 4-Chlorotoluene	11.451	91	5286	1.443	ug/l #	44
83) tert-Butylbenzene	11.713	119	2418	0.630	ug/l	85
84) 1,2,4-Trimethylbenzene	11.756	105	79832	20.275	ug/l	98
85) sec-Butylbenzene	11.756	105	79832	16.809	ug/l #	56
89) n-Butylbenzene	12.317	91	2723	0.813	ug/l #	3
90) Hexachloroethane	12.530	117	532	2.123	ug/l #	15
95) Naphthalene	13.774	128	37918	8.366	ug/l	100

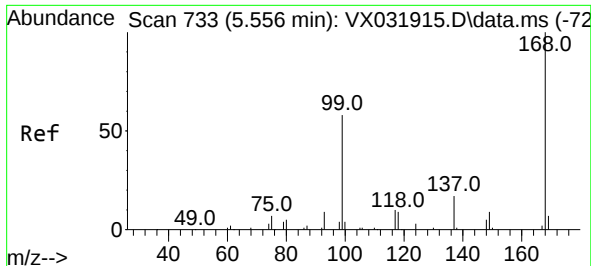
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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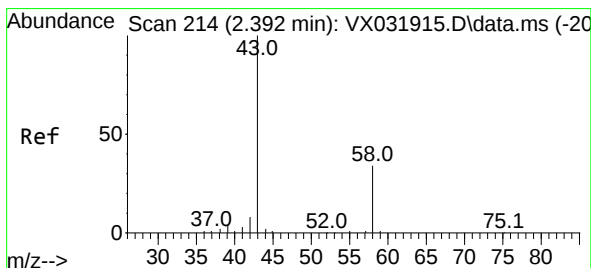
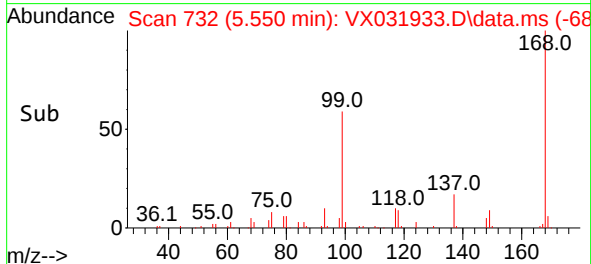
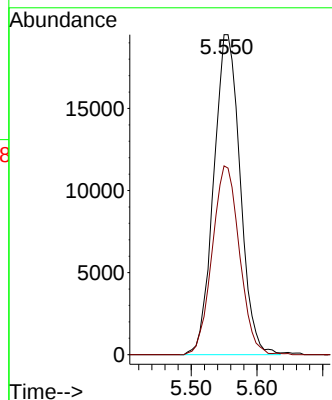
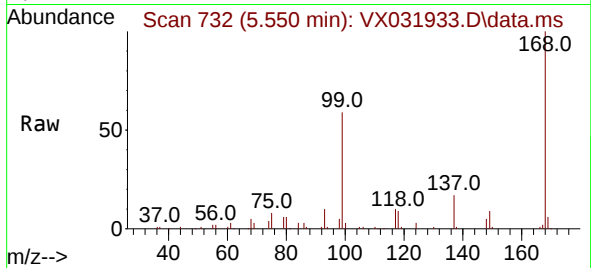




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

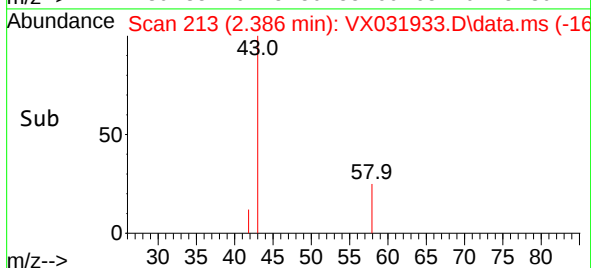
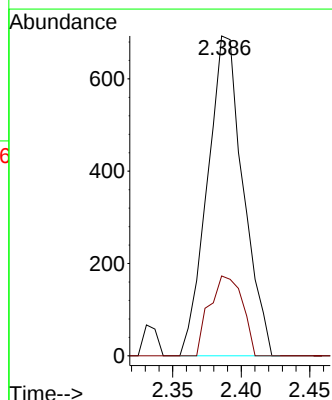
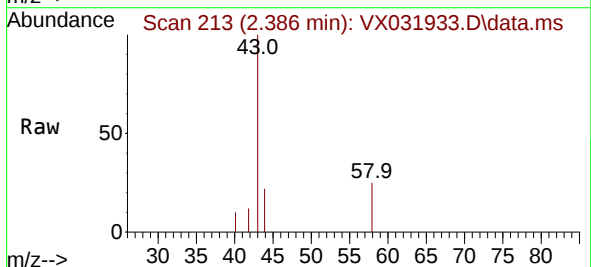
Instrument :
MSVOA_X
ClientSampleId :
MW-124

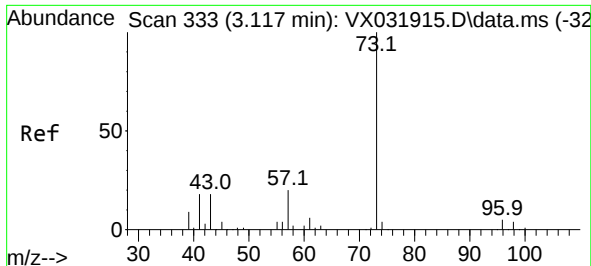
Tgt Ion:168 Resp: 54525
Ion Ratio Lower Upper
168 100
99 59.0 48.8 73.2



#16
Acetone
Concen: 3.290 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion: 43 Resp: 1259
Ion Ratio Lower Upper
43 100
58 25.0 23.8 35.8

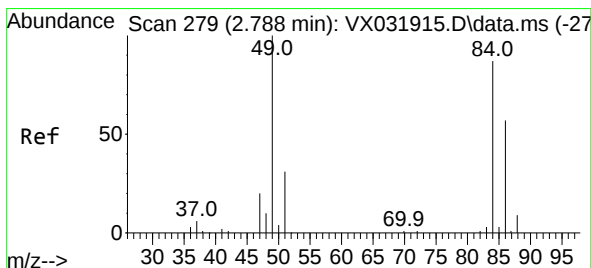
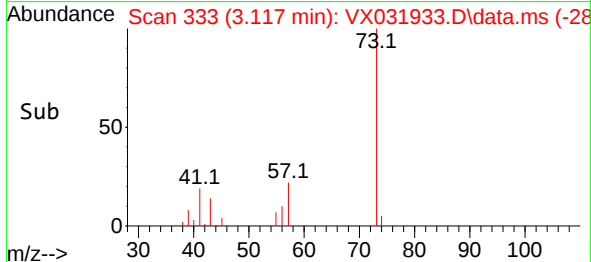
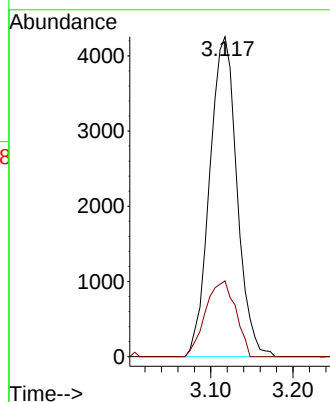
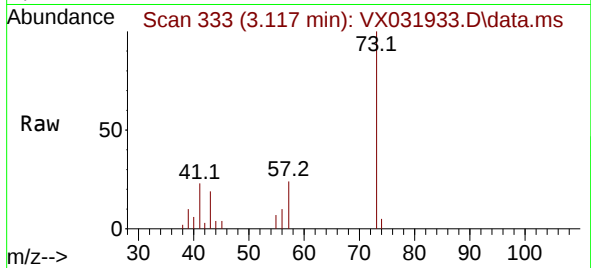




#19
Methyl tert-butyl Ether
Concen: 3.524 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

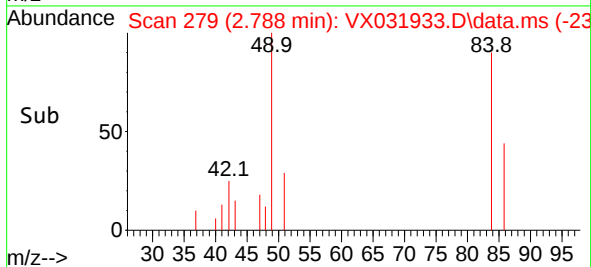
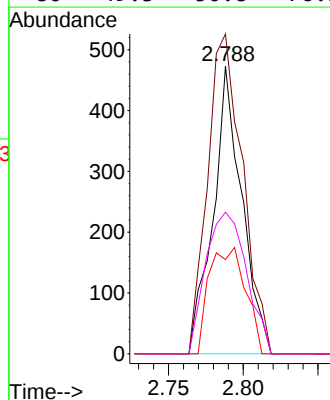
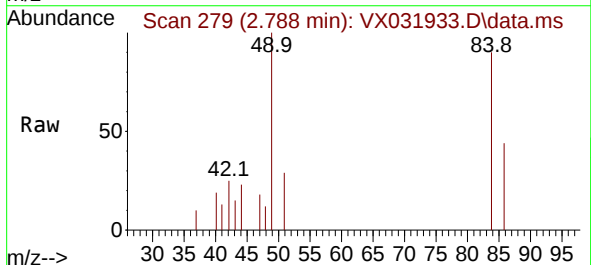
Instrument :
MSVOA_X
ClientSampleId :
MW-124

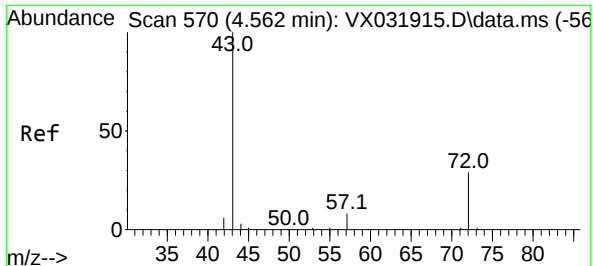
Tgt Ion: 73 Resp: 9821
Ion Ratio Lower Upper
73 100
57 23.7 17.2 25.8



#20
Methylene Chloride
Concen: 0.628 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion: 84 Resp: 632
Ion Ratio Lower Upper
84 100
49 111.2 105.9 158.9
51 32.8 32.2 48.2
86 49.3 50.8 76.2#





#25

2-Butanone

Concen: 0.980 ug/l

RT: 4.587 min Scan# 5

Delta R.T. 0.025 min

Lab File: VX031933.D

Acq: 06 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

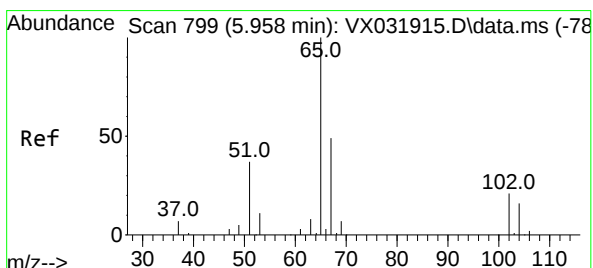
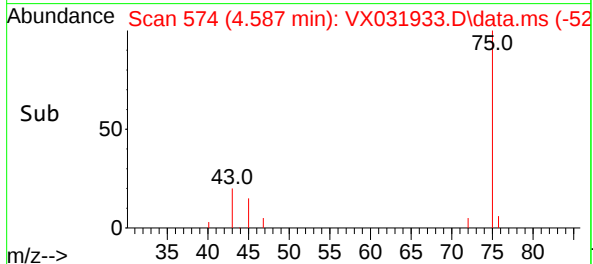
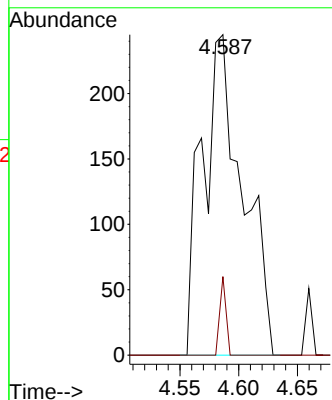
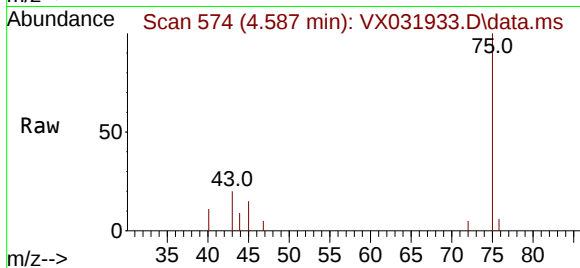
MW-124

Tgt Ion: 43 Resp: 586

Ion Ratio Lower Upper

43 100

72 24.5 21.1 31.7



#33

1,2-Dichloroethane-d4

Concen: 57.732 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031933.D

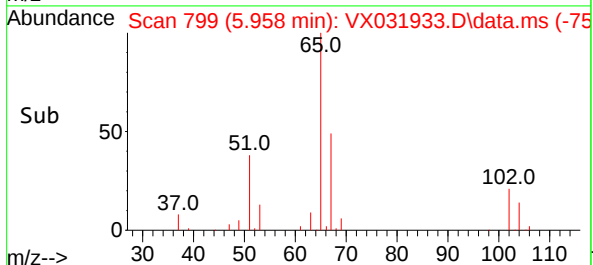
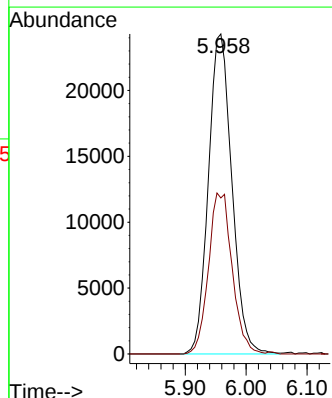
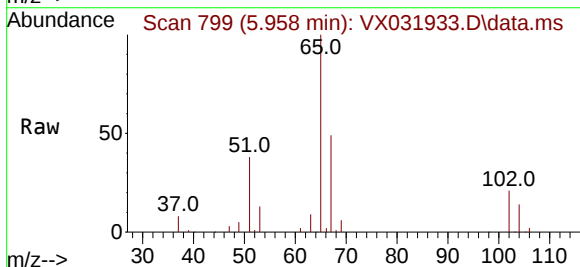
Acq: 06 Oct 2022 21:14

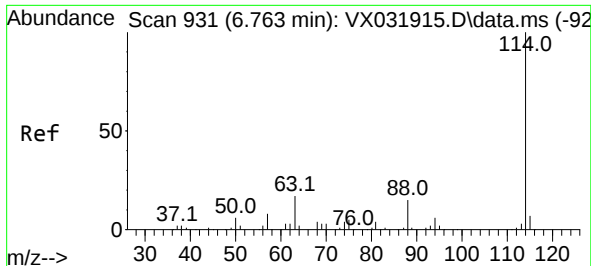
Tgt Ion: 65 Resp: 65009

Ion Ratio Lower Upper

65 100

67 50.8 0.0 102.4

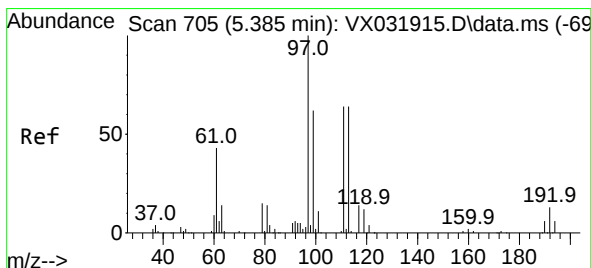
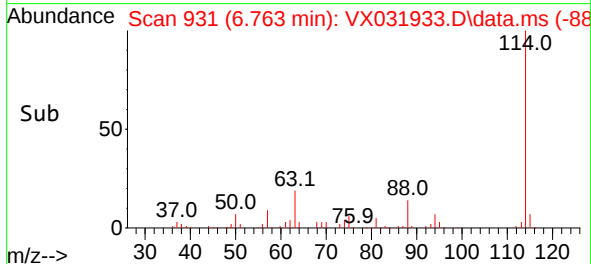
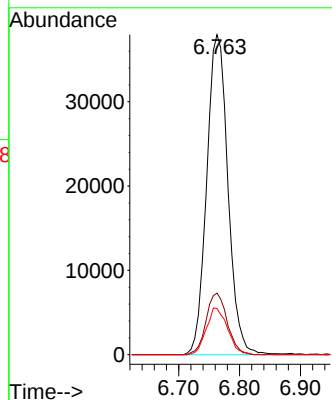
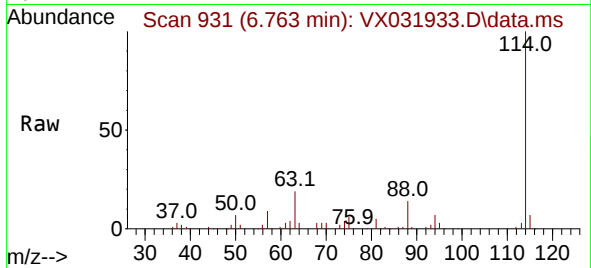




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX031933.D
 Acq: 06 Oct 2022 21:14

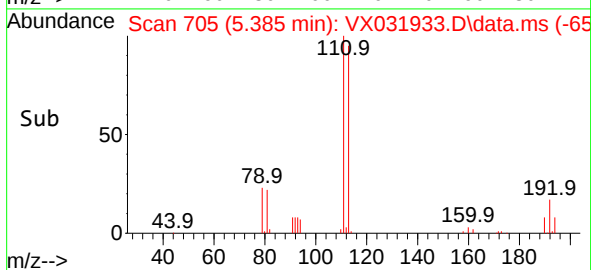
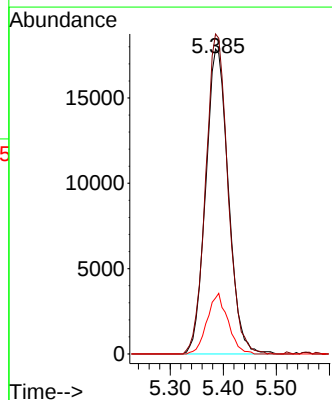
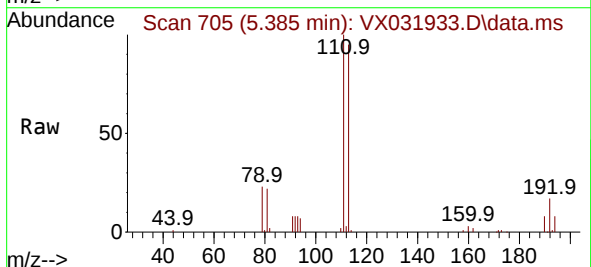
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-124

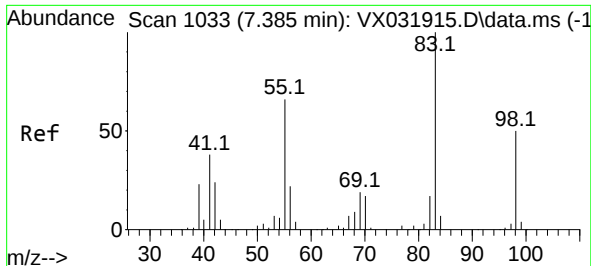
Tgt Ion:114 Resp: 92129
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 42.6
 88 14.4 0.0 33.0



#35
 Dibromofluoromethane
 Concen: 50.977 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX031933.D
 Acq: 06 Oct 2022 21:14

Tgt Ion:113 Resp: 53161
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.4 123.6
 192 18.2 14.1 21.1





#39

Methylcyclohexane

Concen: 1.171 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX031933.D

Acq: 06 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

MW-124

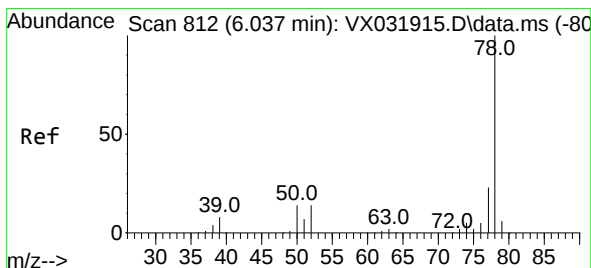
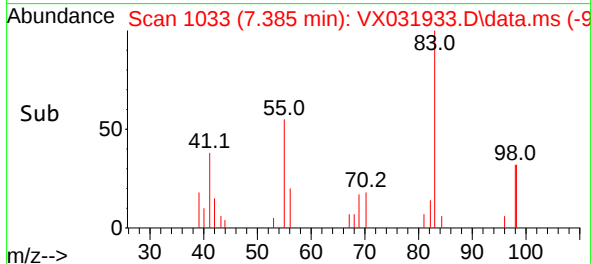
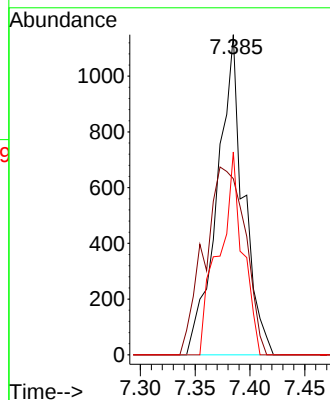
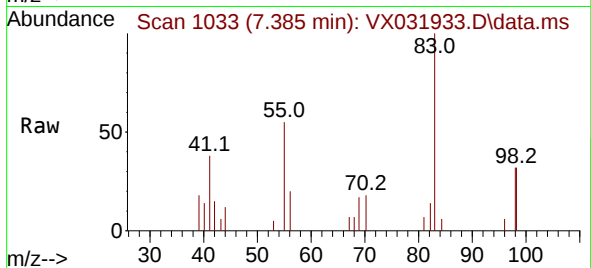
Tgt Ion: 83 Resp: 1931

Ion Ratio Lower Upper

83 100

55 55.0 61.0 91.4#

98 63.4 37.7 56.5#



#40

Benzene

Concen: 3.838 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX031933.D

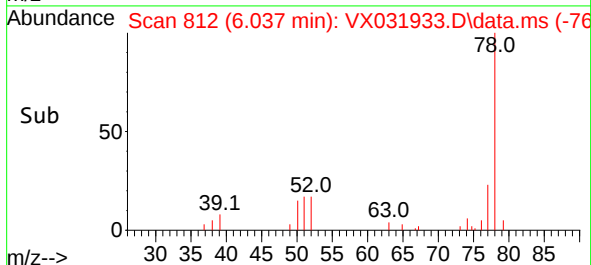
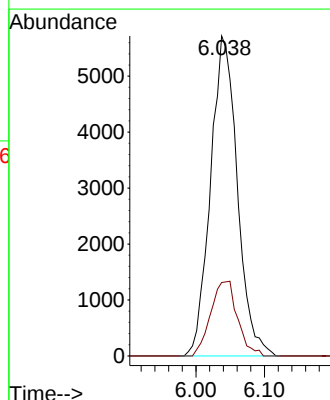
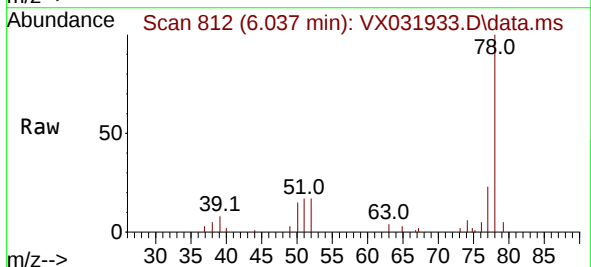
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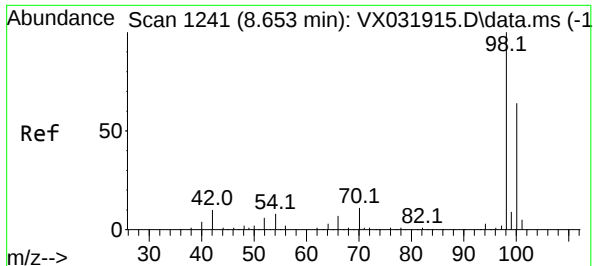
Tgt Ion: 78 Resp: 15541

Ion Ratio Lower Upper

78 100

77 22.9 18.7 28.1

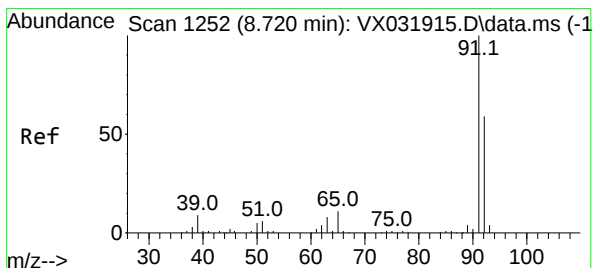
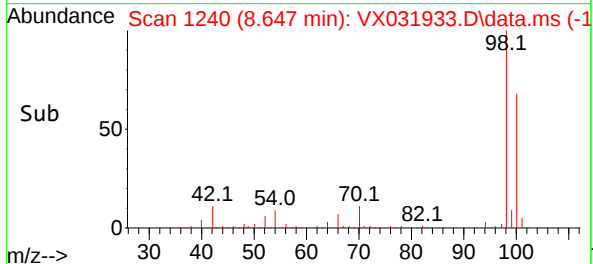
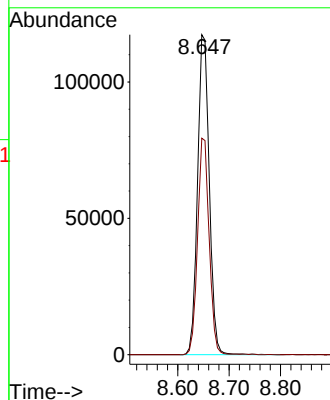
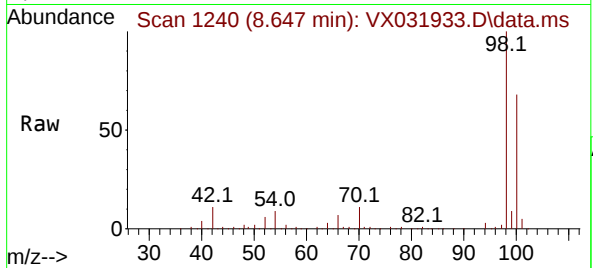




#50
Toluene-d8
Concen: 49.497 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

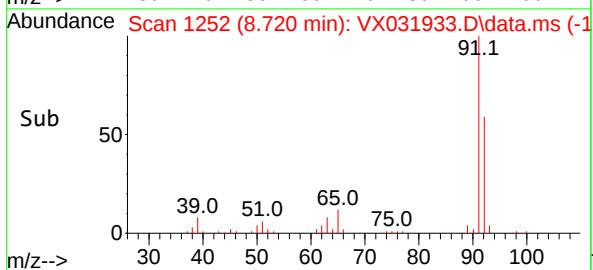
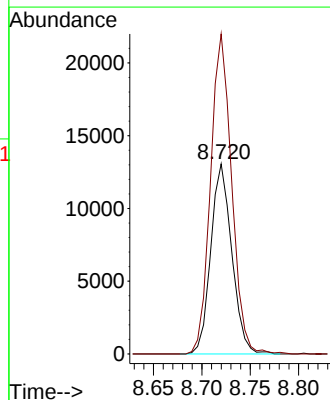
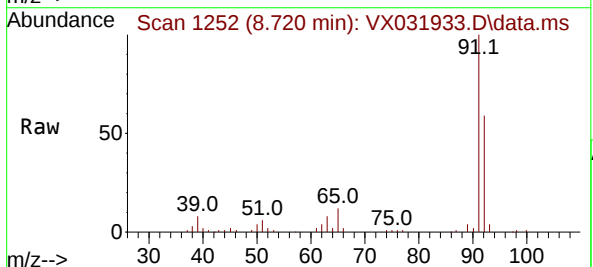
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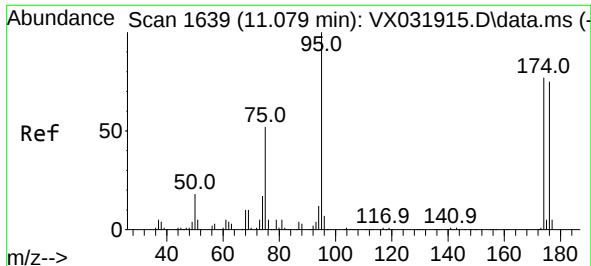
Tgt Ion: 98 Resp: 185739
Ion Ratio Lower Upper
98 100
100 66.6 52.5 78.7



#52
Toluene
Concen: 7.456 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion: 92 Resp: 19741
Ion Ratio Lower Upper
92 100
91 169.3 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 50.846 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031933.D

Acq: 06 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

MW-124

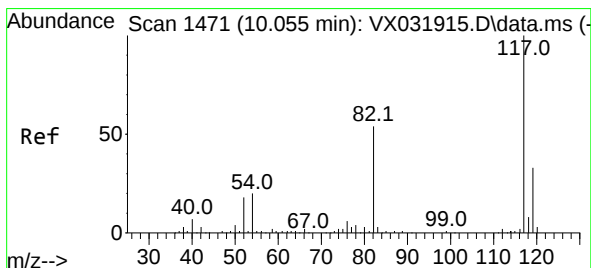
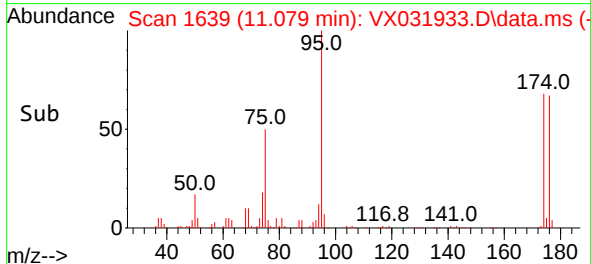
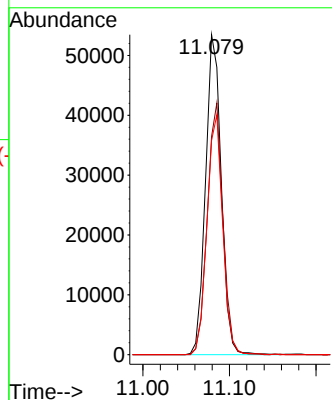
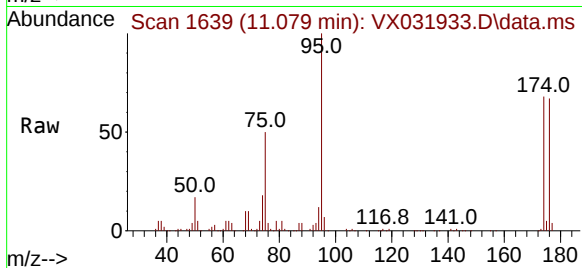
Tgt Ion: 95 Resp: 67454

Ion Ratio Lower Upper

95 100

174 78.0 0.0 153.2

176 74.7 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: VX031933.D

Acq: 06 Oct 2022 21:14

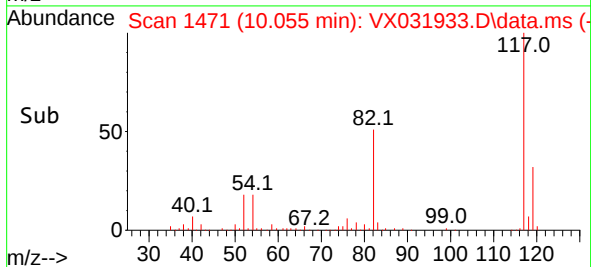
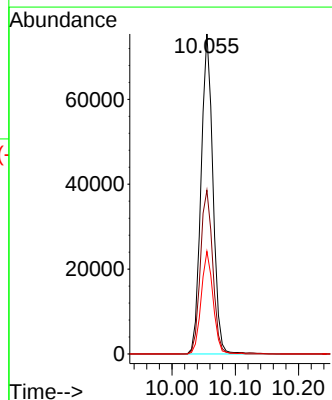
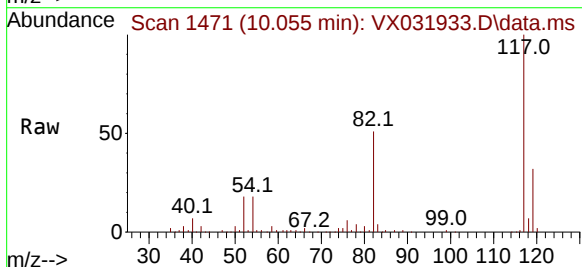
Tgt Ion: 117 Resp: 98530

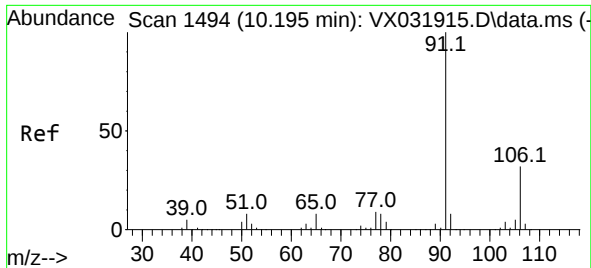
Ion Ratio Lower Upper

117 100

82 51.2 46.8 70.2

119 32.1 26.4 39.6

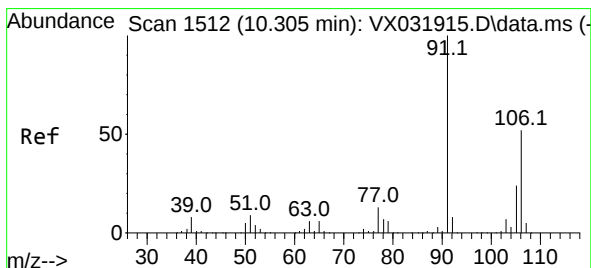
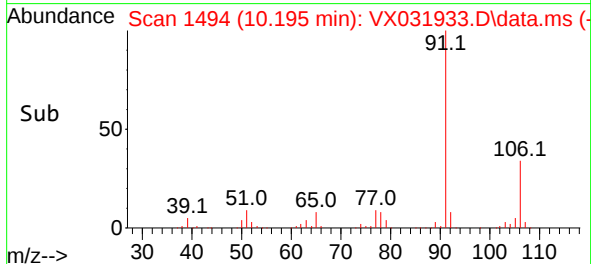
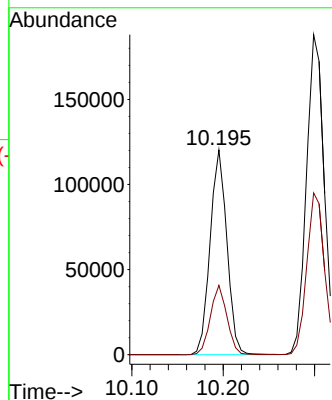
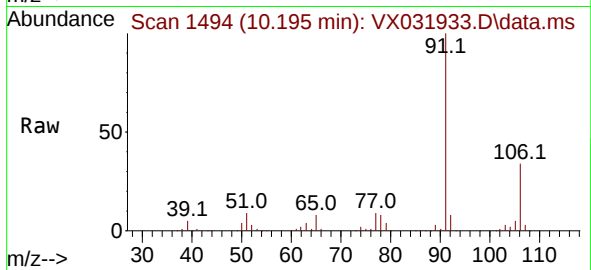




#67
Ethyl Benzene
Concen: 30.355 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

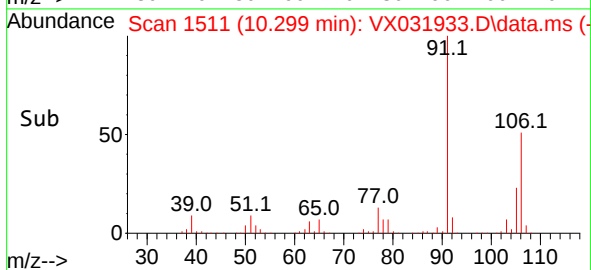
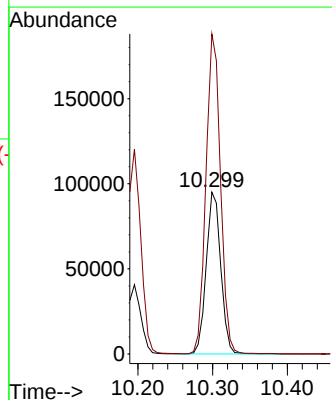
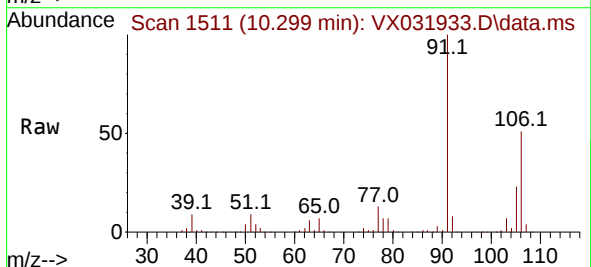
Instrument :
MSVOA_X
ClientSampleId :
MW-124

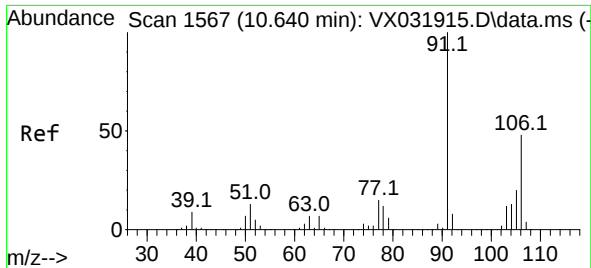
Tgt Ion: 91 Resp: 153310
Ion Ratio Lower Upper
91 100
106 33.8 25.2 37.8



#68
m/p-Xylenes
Concen: 63.935 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion: 106 Resp: 128320
Ion Ratio Lower Upper
106 100
91 197.4 161.0 241.4

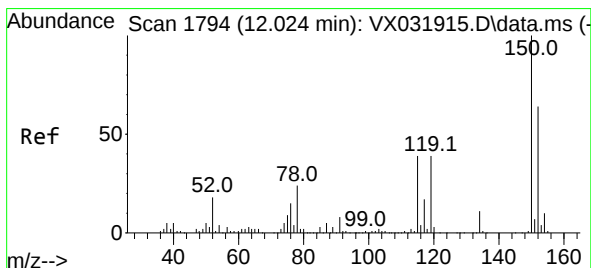
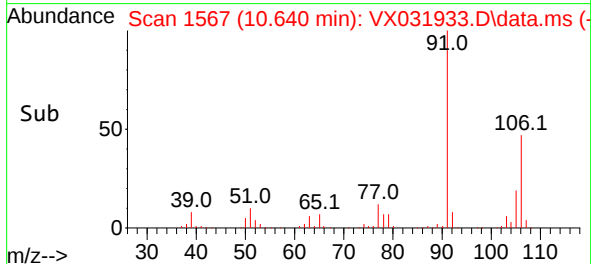
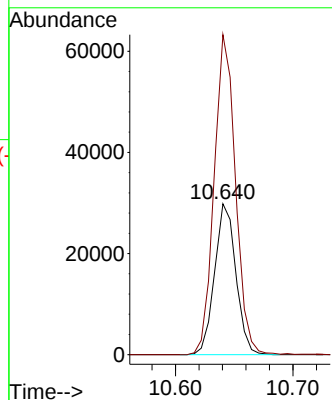
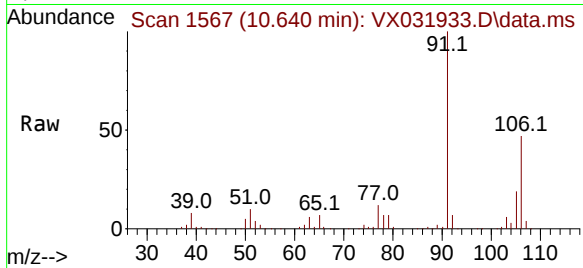




#69
o-Xylene
Concen: 19.230 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

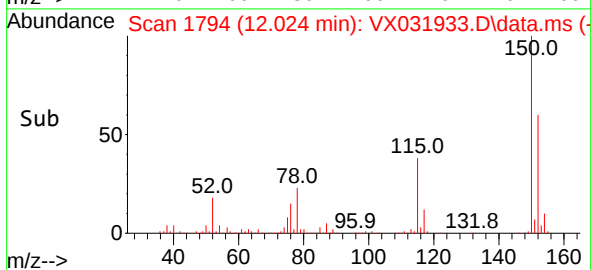
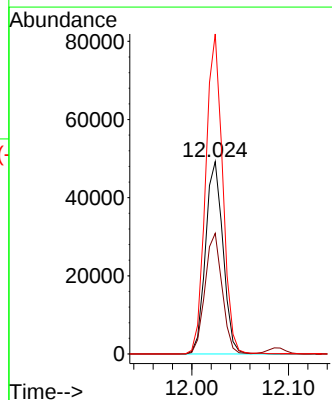
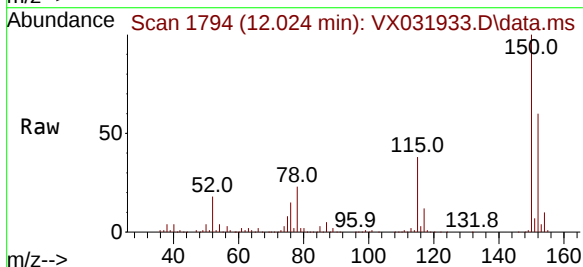
Instrument :
MSVOA_X
ClientSampleId :
MW-124

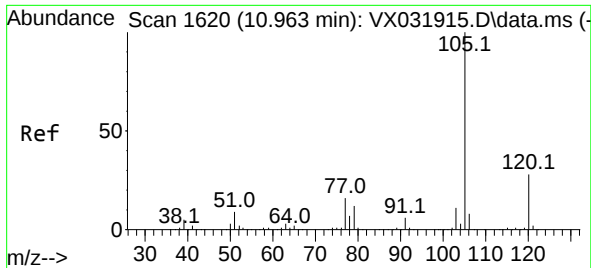
Tgt Ion:106 Resp: 37513
Ion Ratio Lower Upper
106 100
91 213.0 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion:152 Resp: 61963
Ion Ratio Lower Upper
152 100
115 61.5 43.4 130.1
150 162.2 0.0 346.8

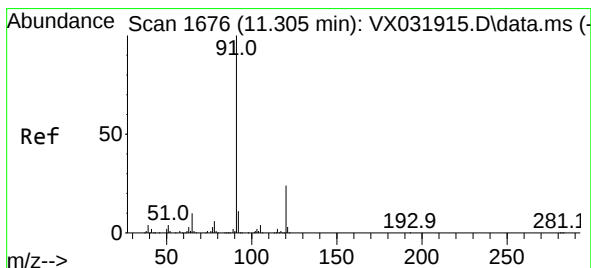
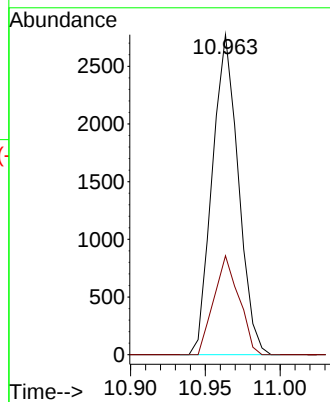
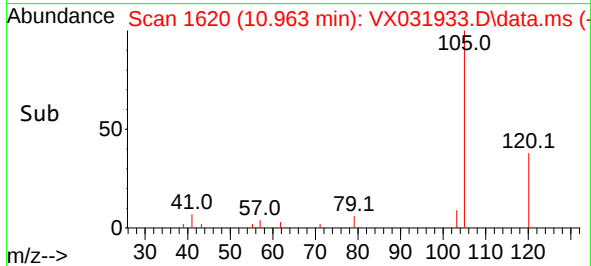
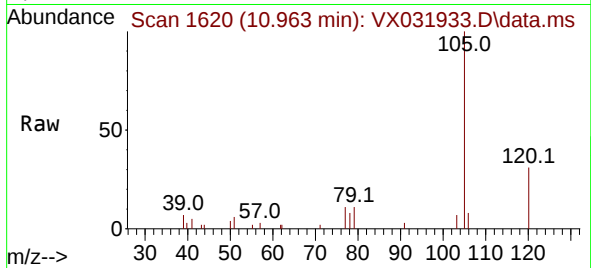




#73
Isopropylbenzene
Concen: 0.720 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

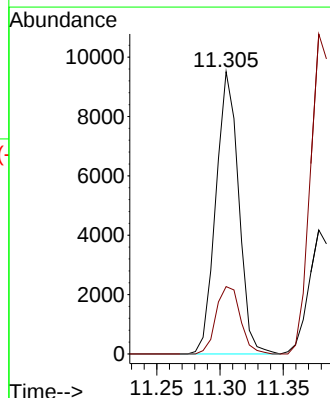
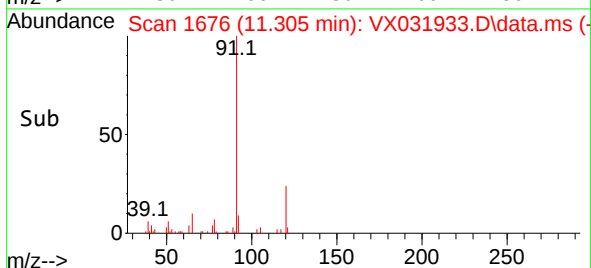
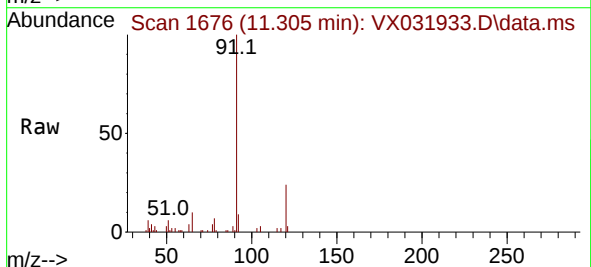
Instrument :
MSVOA_X
ClientSampleId :
MW-124

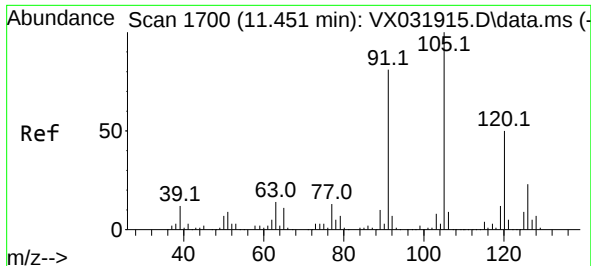
Tgt Ion:105 Resp: 3367
Ion Ratio Lower Upper
105 100
120 29.8 13.7 41.0



#78
n-propylbenzene
Concen: 2.236 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion: 91 Resp: 11887
Ion Ratio Lower Upper
91 100
120 25.5 11.8 35.4

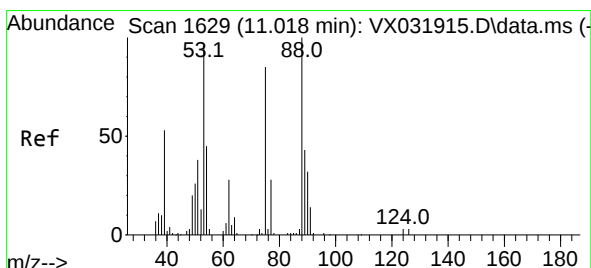
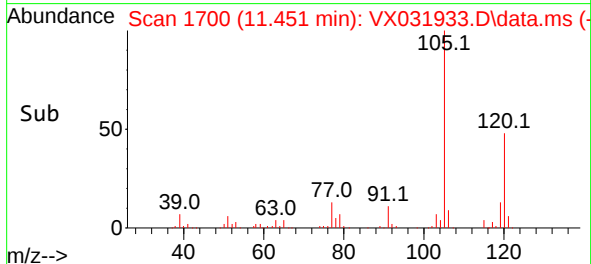
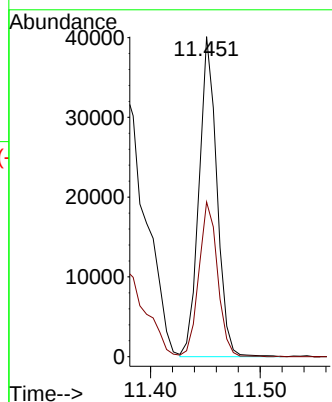
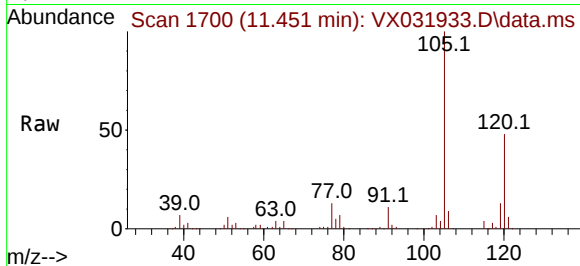




#80
1,3,5-Trimethylbenzene
Concen: 11.720 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

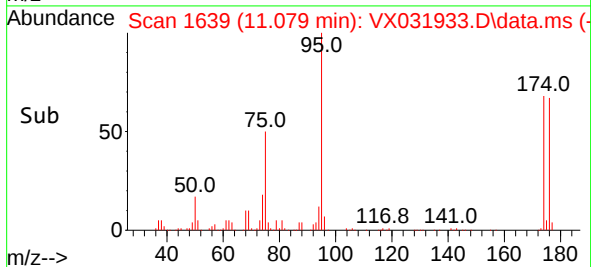
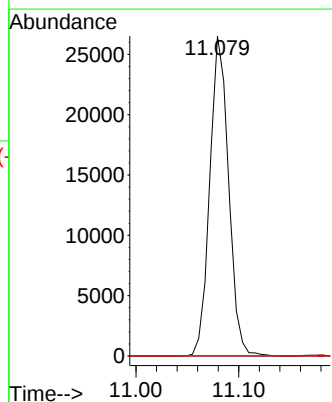
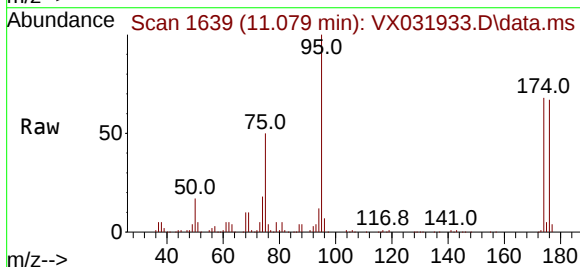
Instrument :
MSVOA_X
ClientSampleId :
MW-124

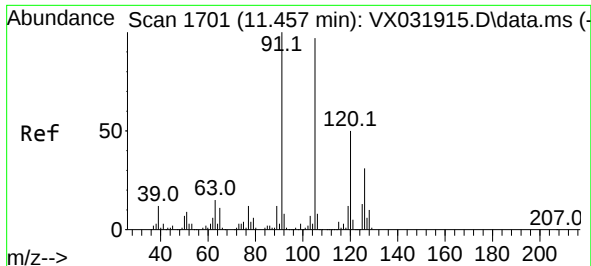
Tgt Ion:105 Resp: 45428
Ion Ratio Lower Upper
105 100
120 50.5 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 90.898 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion: 75 Resp: 33664
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

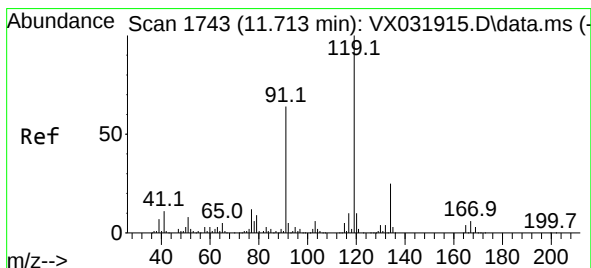
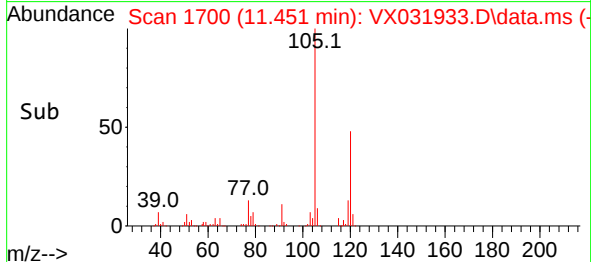
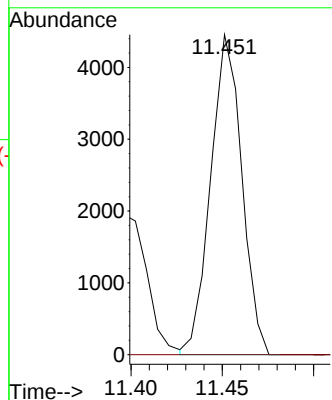
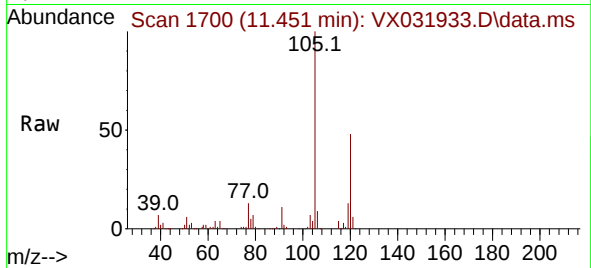




#82
4-Chlorotoluene
Concen: 1.443 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

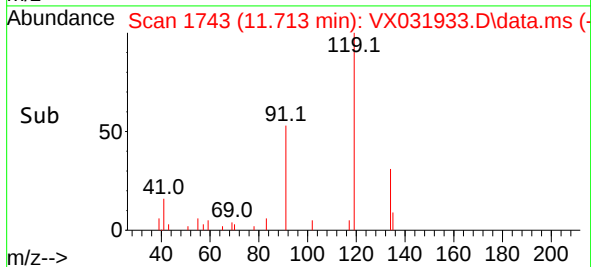
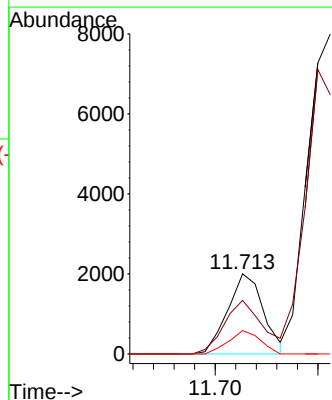
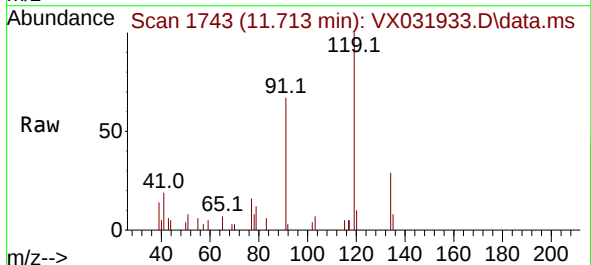
Instrument :
MSVOA_X
ClientSampleId :
MW-124

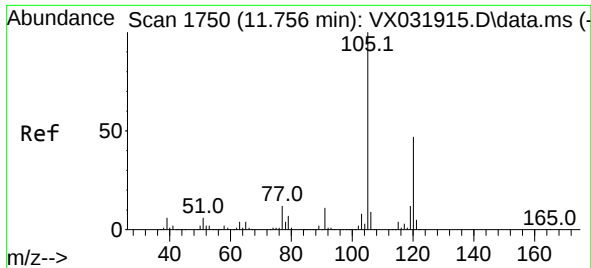
Tgt Ion: 91 Resp: 5286
Ion Ratio Lower Upper
91 100
126 0.0 15.1 45.3#



#83
tert-Butylbenzene
Concen: 0.630 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion: 119 Resp: 2418
Ion Ratio Lower Upper
119 100
91 72.6 29.2 87.6
134 26.0 11.6 34.8

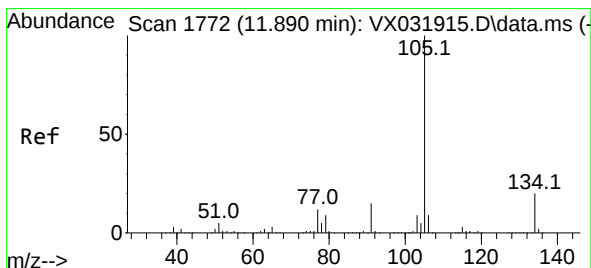
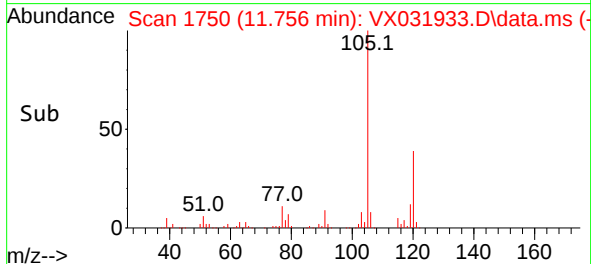
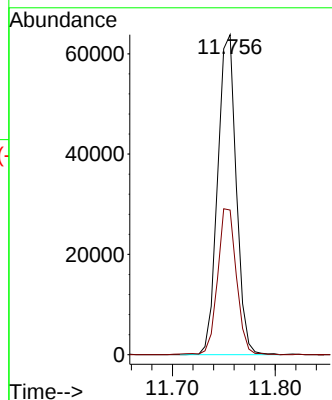
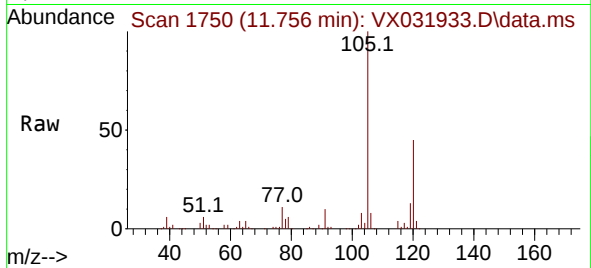




#84
1,2,4-Trimethylbenzene
Concen: 20.275 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

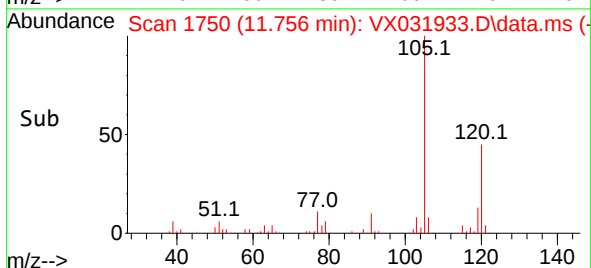
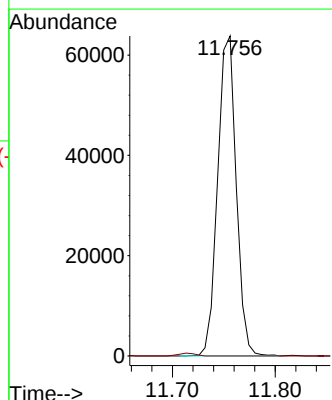
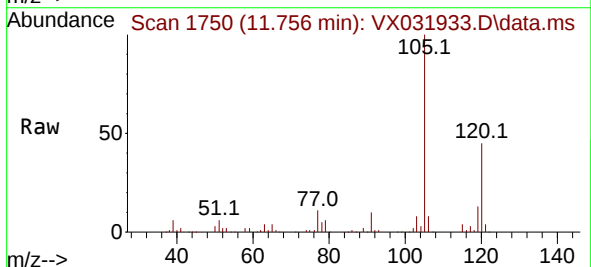
Instrument :
MSVOA_X
ClientSampleId :
MW-124

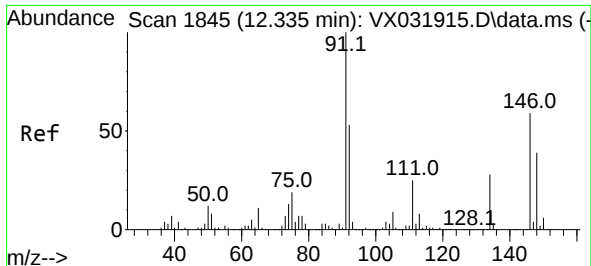
Tgt Ion:105 Resp: 79832
Ion Ratio Lower Upper
105 100
120 46.5 22.6 67.8



#85
sec-Butylbenzene
Concen: 16.809 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.134 min
Lab File: VX031933.D
Acq: 06 Oct 2022 21:14

Tgt Ion:105 Resp: 79832
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#89

n-Butylbenzene

Concen: 0.813 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. -0.018 min

Lab File: VX031933.D

Acq: 06 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

MW-124

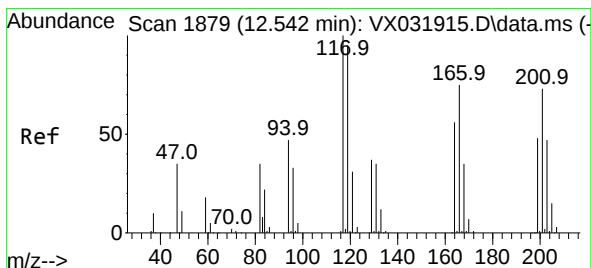
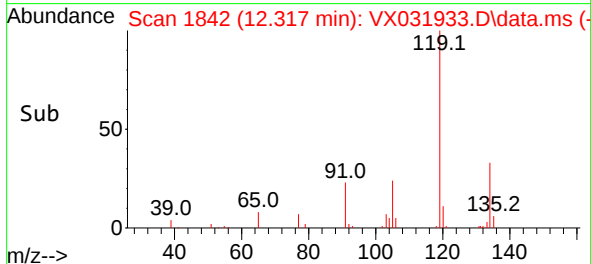
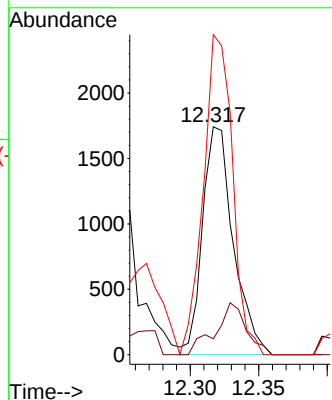
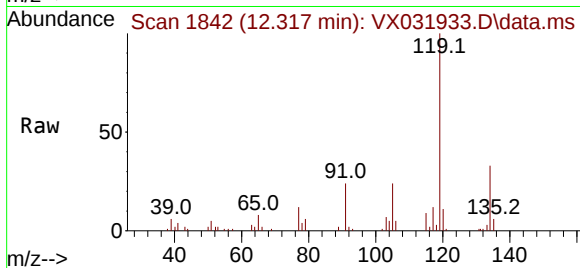
Tgt Ion: 91 Resp: 2723

Ion Ratio Lower Upper

91 100

92 22.9 27.0 81.0#

134 133.1 13.3 39.9#



#90

Hexachloroethane

Concen: 2.123 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.012 min

Lab File: VX031933.D

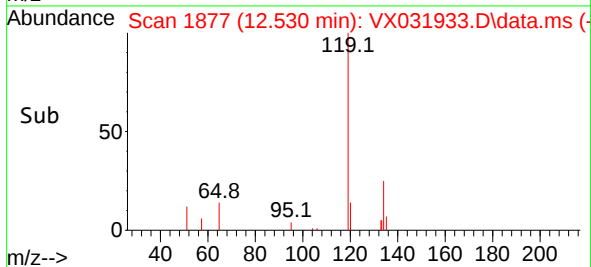
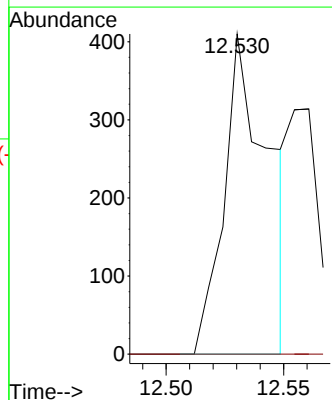
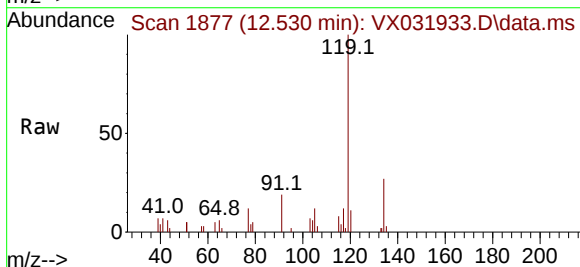
Acq: 06 Oct 2022 21:14

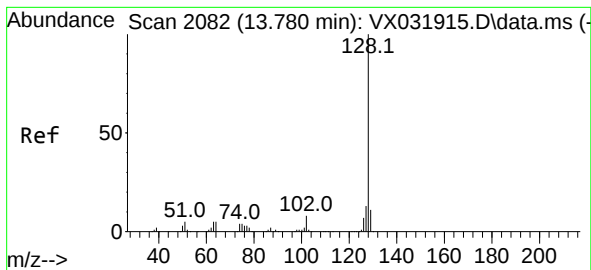
Tgt Ion: 117 Resp: 532

Ion Ratio Lower Upper

117 100

201 0.0 34.8 104.4#





#95

Naphthalene

Concen: 8.366 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX031933.D

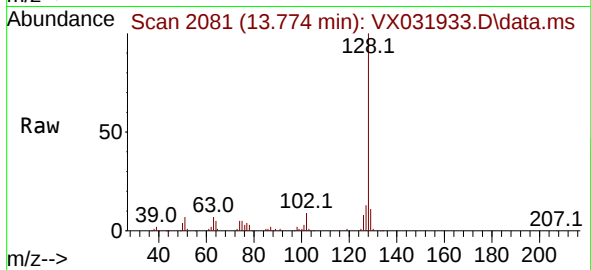
Acq: 06 Oct 2022 21:14

Instrument :

MSVOA_X

ClientSampleId :

MW-124



Tgt Ion:128 Resp: 37918

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.3 8.8 13.2

