

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092222\
 Data File : VX031600.D
 Acq On : 23 Sep 2022 04:07
 Operator : JC/MD
 Sample : N4731-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-1

Quant Time: Sep 23 04:48:18 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)

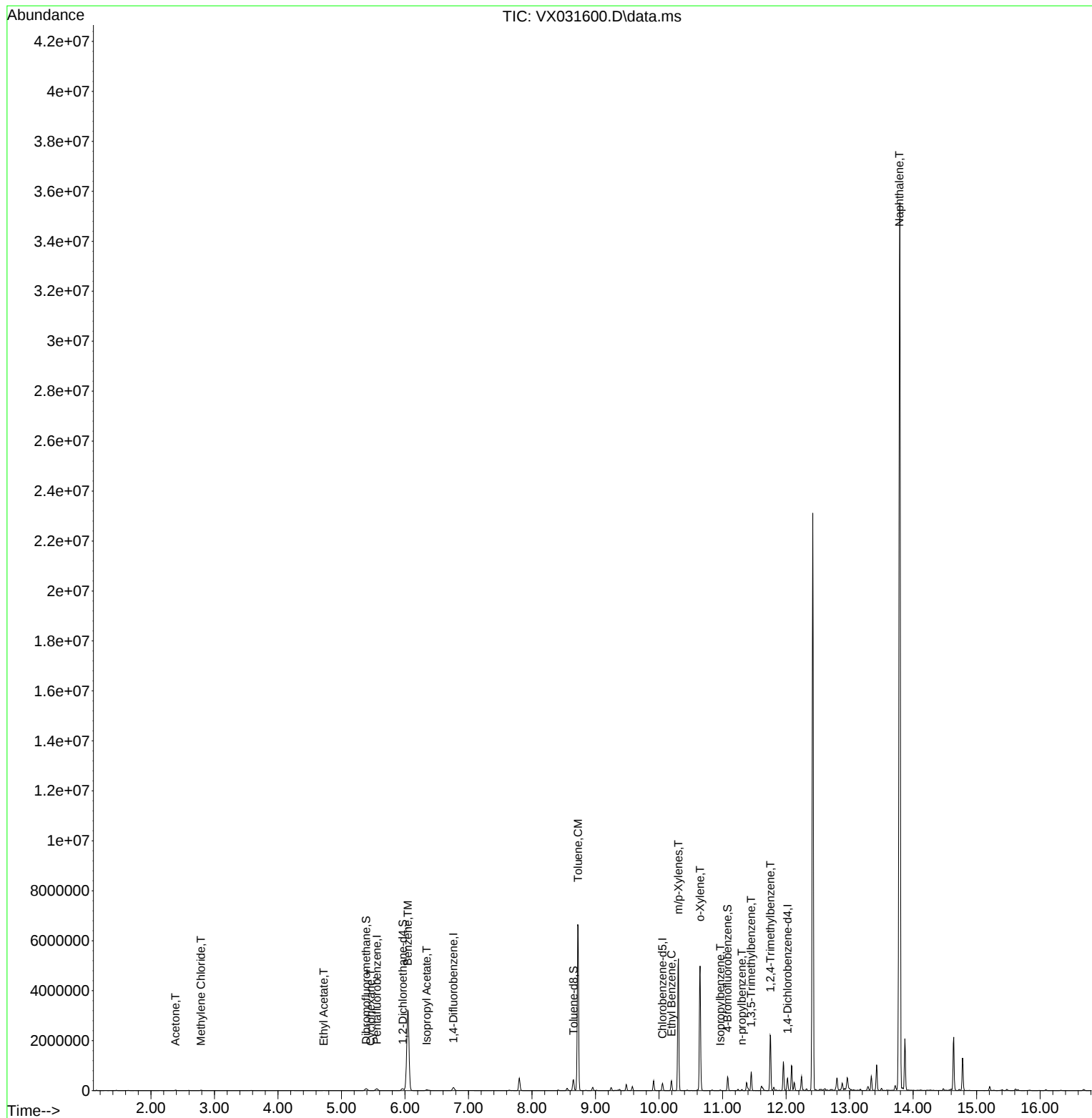
Internal Standards						
1) Pentafluorobenzene	5.556	168	72712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126190	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	126381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	75160	56.396	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	112.800%
35) Dibromofluoromethane	5.385	113	64183	49.197	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.400%
50) Toluene-d8	8.653	98	259564	51.628	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.260%
62) 4-Bromofluorobenzene	11.079	95	129970	76.320	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	152.640%#
Target Compounds						Qvalue
16) Acetone	2.386	43	26461	38.626	ug/l	99
20) Methylene Chloride	2.788	84	8760	5.261	ug/l #	94
31) Cyclohexane	5.458	56	2181	1.103	ug/l	94
37) Ethyl Acetate	4.721	43	10348	4.324	ug/l #	96
40) Benzene	6.044	78	3611280	603.484	ug/l	97
43) Isopropyl Acetate	6.342	43	45286	12.313	ug/l	97
52) Toluene	8.726	92	2496190	639.598	ug/l	94
67) Ethyl Benzene	10.195	91	218276	31.721	ug/l	100
68) m/p-Xylenes	10.305	106	1250114	452.065	ug/l	92
69) o-Xylene	10.646	106	1092900	414.057	ug/l	89
73) Isopropylbenzene	10.963	105	13208	1.785	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.238	83	42	Below Cal	#	37
78) n-propylbenzene	11.305	91	26028	3.058	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	313255	49.893	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	929993	150.402	ug/l	97
95) Naphthalene	13.786	128	17270752	2431.716	ug/l #	61

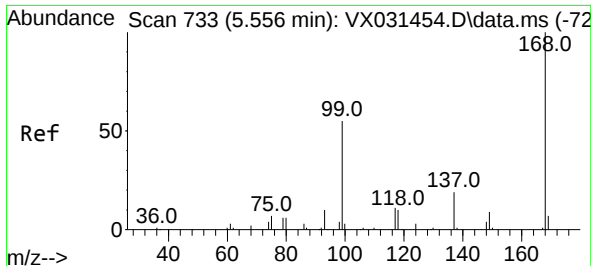
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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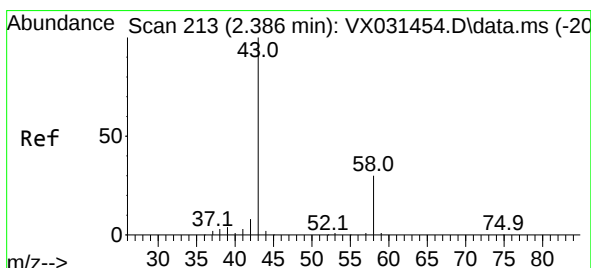
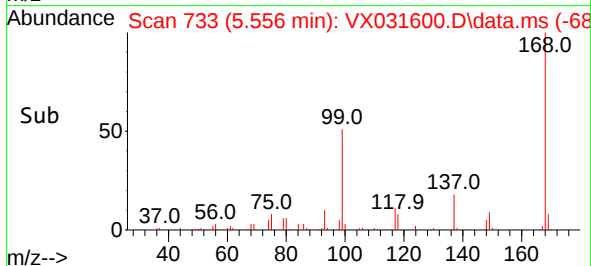
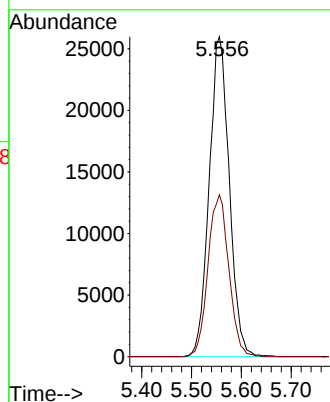
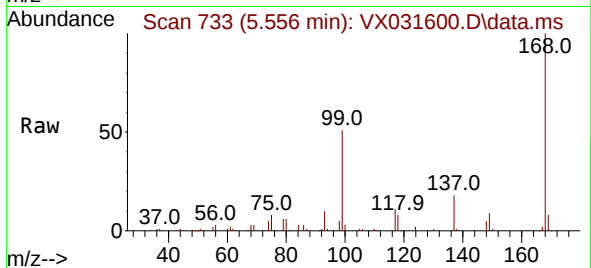




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

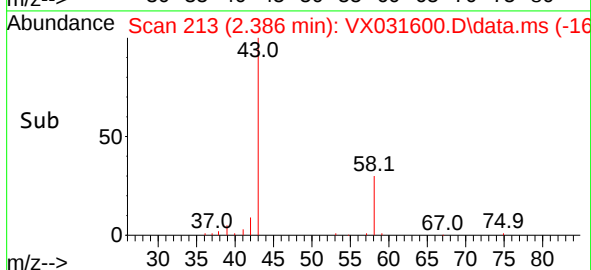
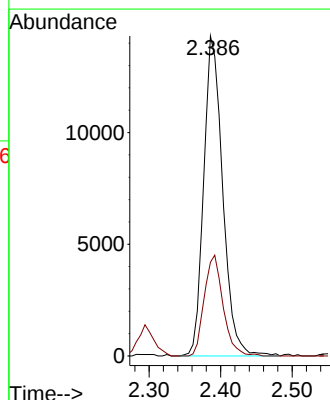
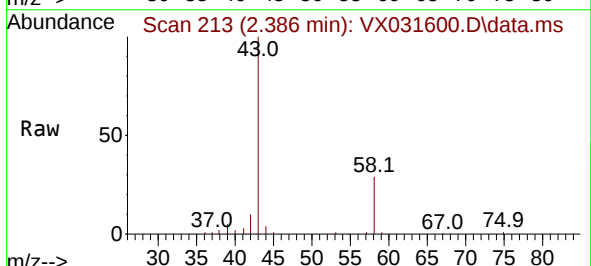
Instrument :
MSVOA_X
ClientSampleId :
SB-1

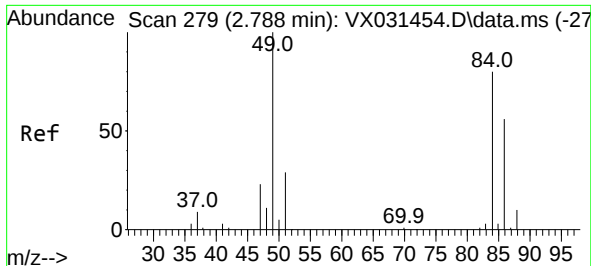
Tgt Ion:168 Resp: 72712
Ion Ratio Lower Upper
168 100
99 50.6 48.8 73.2



#16
Acetone
Concen: 38.626 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

Tgt Ion: 43 Resp: 26461
Ion Ratio Lower Upper
43 100
58 29.3 23.8 35.8



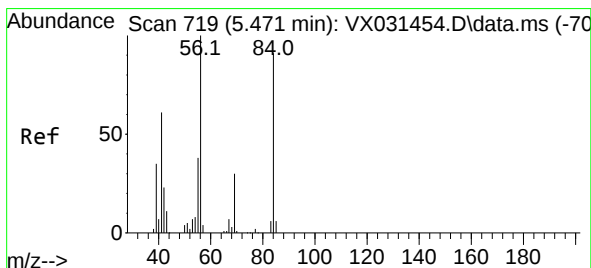
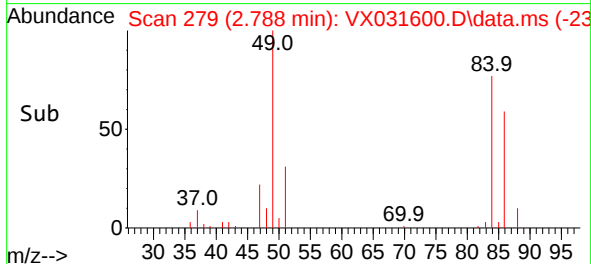
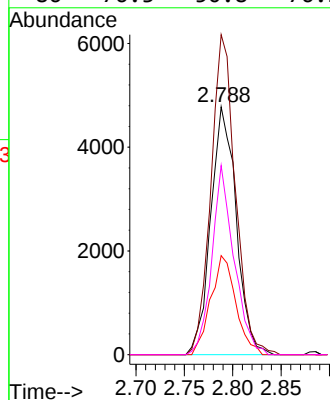
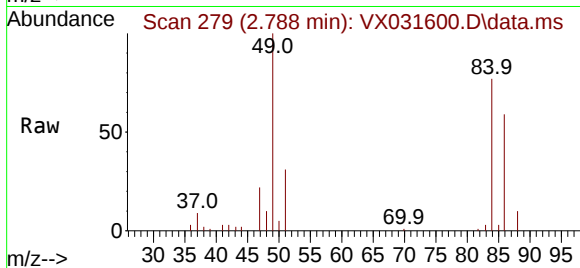


#20
Methylene Chloride
Concen: 5.261 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

Instrument :
MSVOA_X
ClientSampleId :
SB-1

Tgt Ion: 84 Resp: 8760

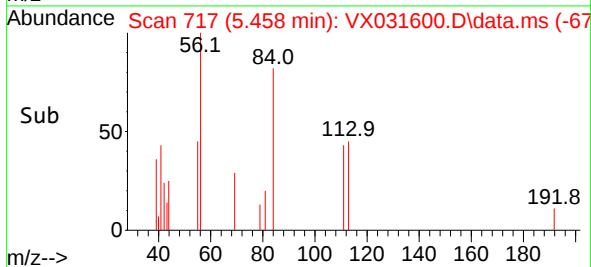
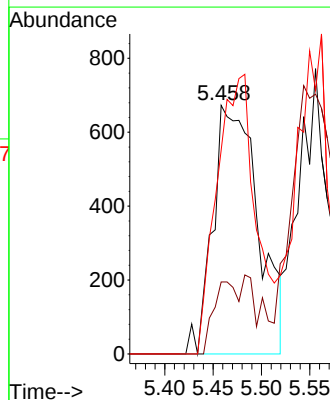
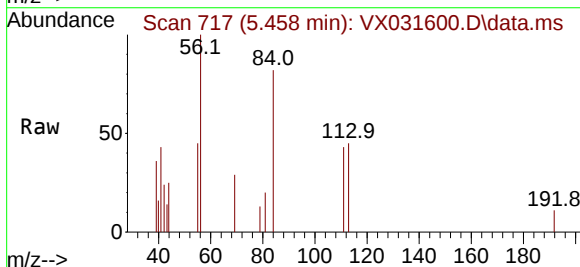
Ion	Ratio	Lower	Upper
84	100		
49	129.1	105.9	158.9
51	39.9	32.2	48.2
86	76.3	50.8	76.2#

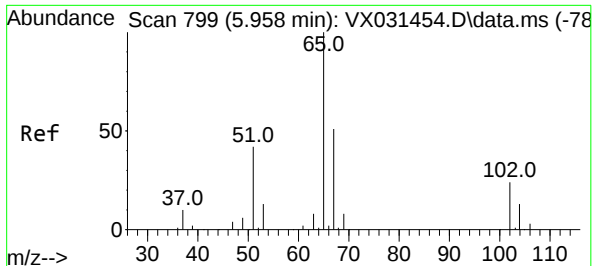


#31
Cyclohexane
Concen: 1.103 ug/l
RT: 5.458 min Scan# 717
Delta R.T. -0.013 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

Tgt Ion: 56 Resp: 2181

Ion	Ratio	Lower	Upper
56	100		
69	29.0	25.1	37.7
84	81.9	70.2	105.4





#33

1,2-Dichloroethane-d4

Concen: 56.396 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

Instrument :

MSVOA_X

ClientSampleId :

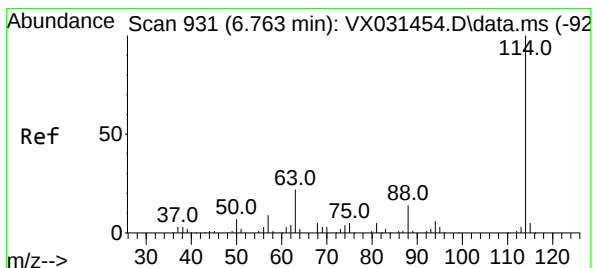
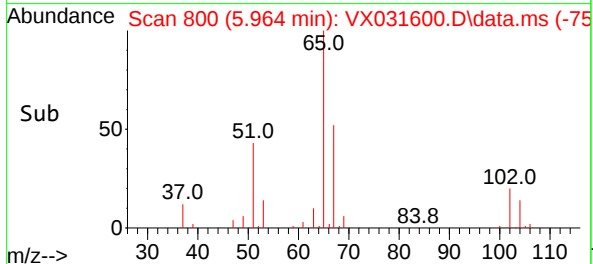
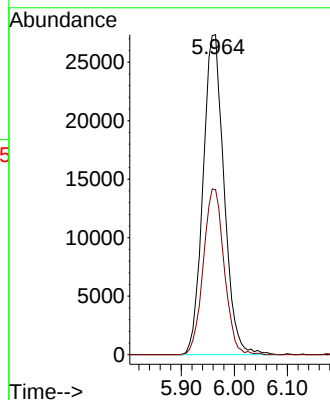
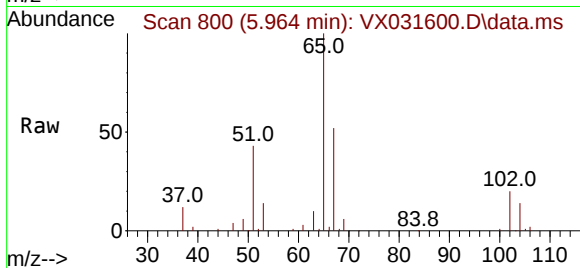
SB-1

Tgt Ion: 65 Resp: 75160

Ion Ratio Lower Upper

65 100

67 51.6 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: VX031600.D

Acq: 23 Sep 2022 04:07

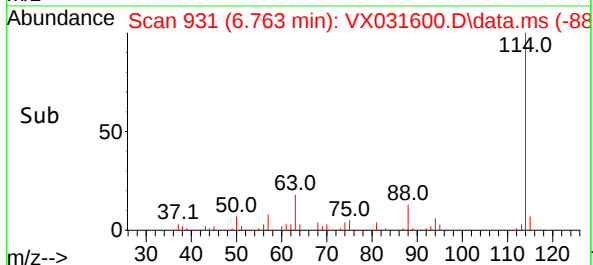
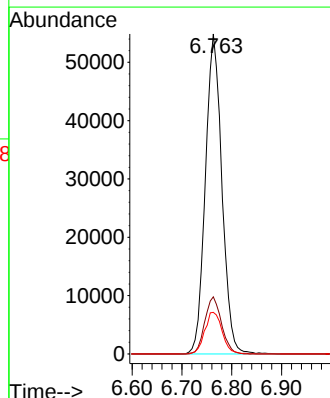
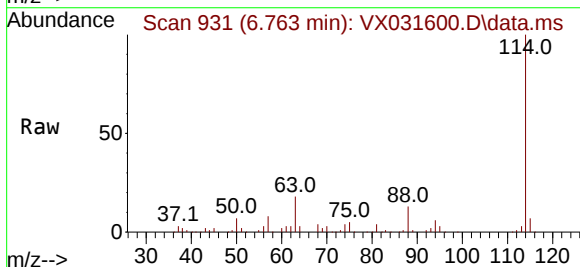
Tgt Ion: 114 Resp: 126190

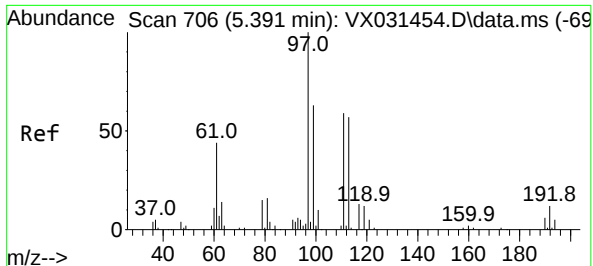
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.6

88 13.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.197 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

Instrument :

MSVOA_X

ClientSampleId :

SB-1

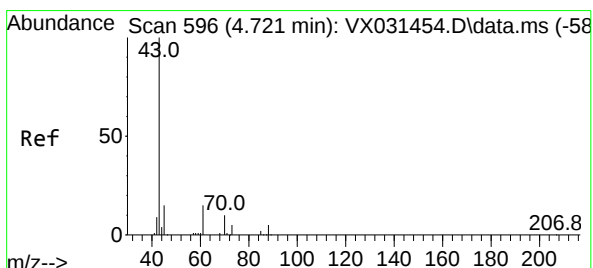
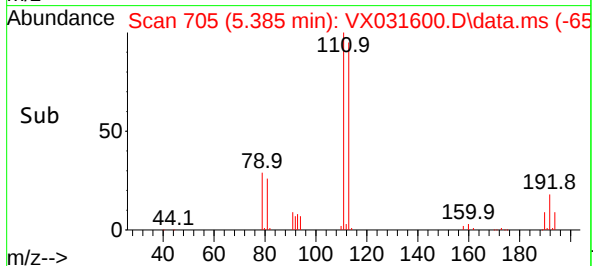
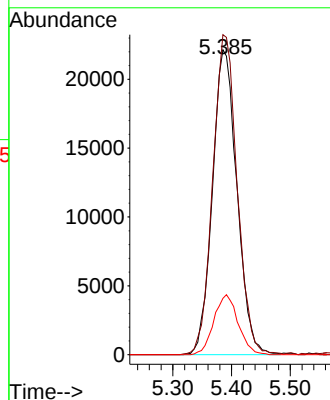
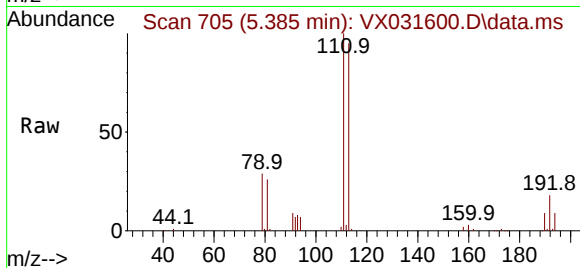
Tgt Ion:113 Resp: 64183

Ion Ratio Lower Upper

113 100

111 104.4 82.4 123.6

192 19.5 14.1 21.1



#37

Ethyl Acetate

Concen: 4.324 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

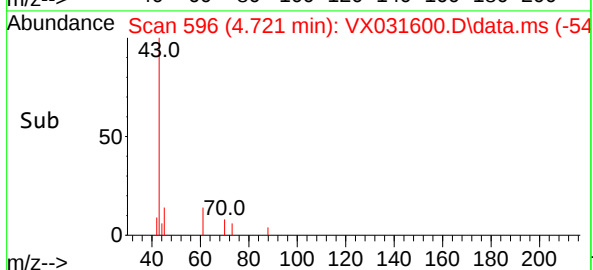
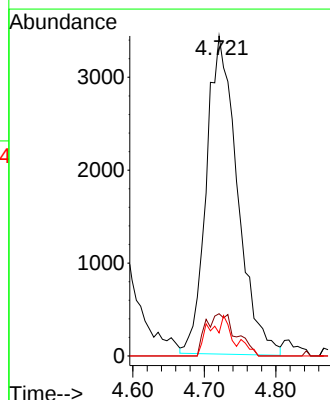
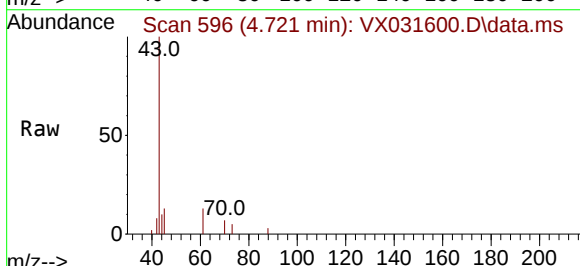
Tgt Ion: 43 Resp: 10348

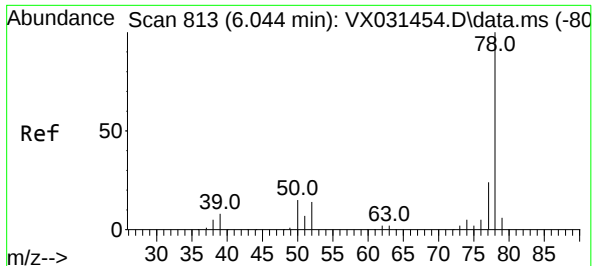
Ion Ratio Lower Upper

43 100

61 13.0 11.1 16.7

70 8.4 8.6 13.0#

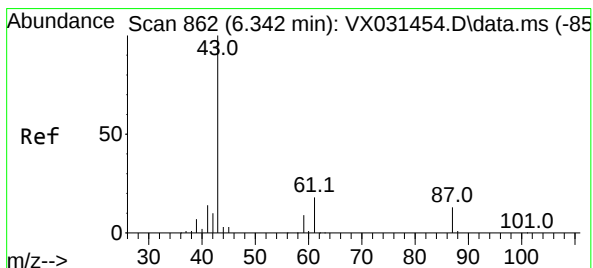
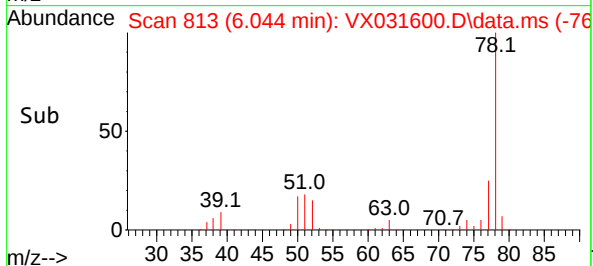
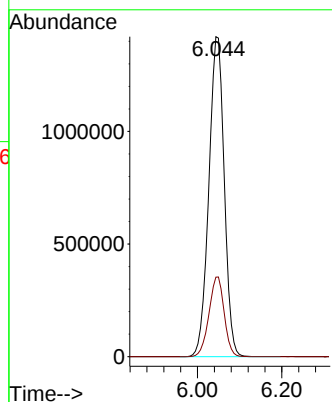
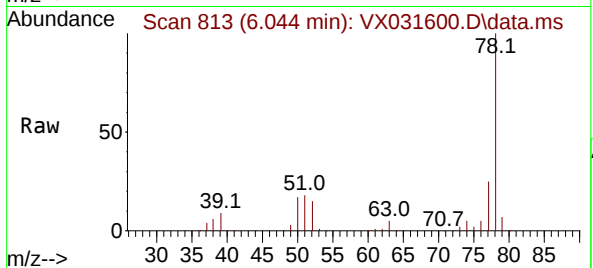




#40
Benzene
Concen: 603.484 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

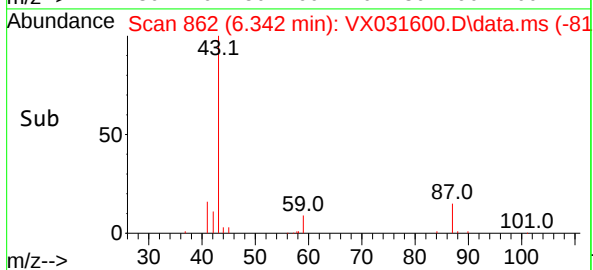
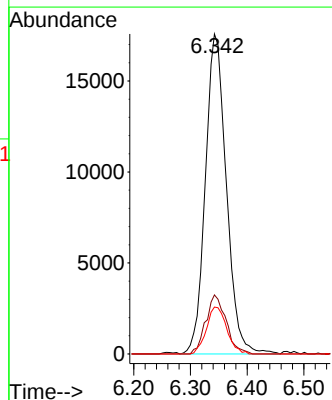
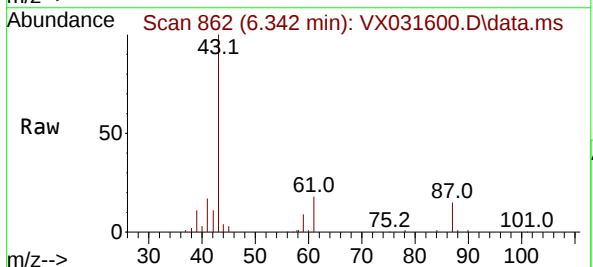
Instrument :
MSVOA_X
ClientSampleId :
SB-1

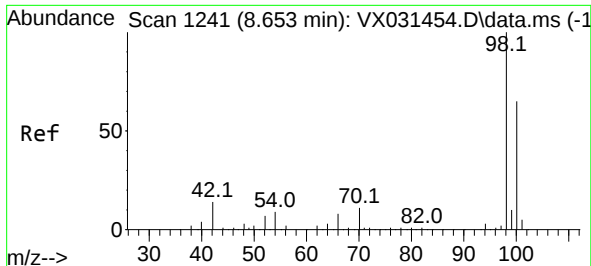
Tgt Ion: 78 Resp: 3611280
Ion Ratio Lower Upper
78 100
77 24.8 18.7 28.1



#43
Isopropyl Acetate
Concen: 12.313 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

Tgt Ion: 43 Resp: 45286
Ion Ratio Lower Upper
43 100
61 17.9 15.3 22.9
87 14.2 10.6 15.8





#50

Toluene-d8

Concen: 51.628 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

Instrument :

MSVOA_X

ClientSampleId :

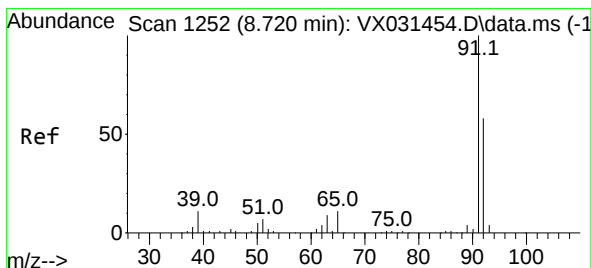
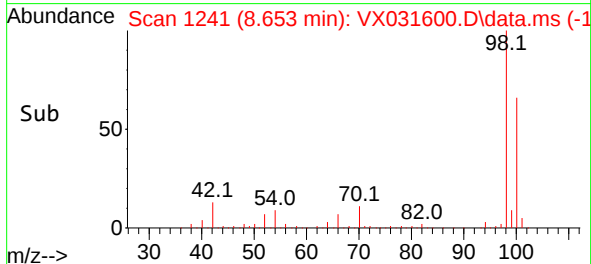
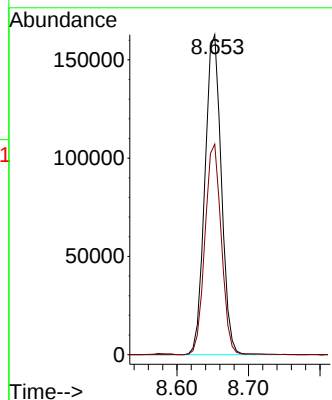
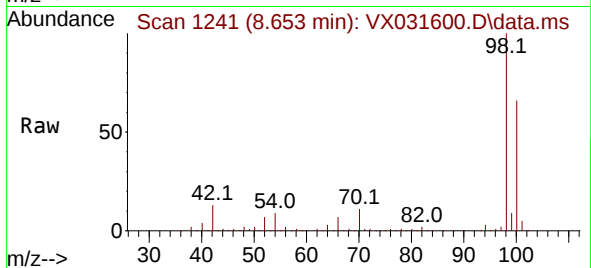
SB-1

Tgt Ion: 98 Resp: 259564

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7



#52

Toluene

Concen: 639.598 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX031600.D

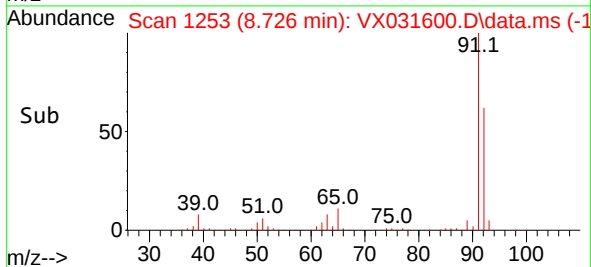
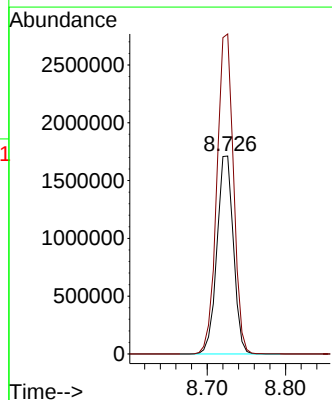
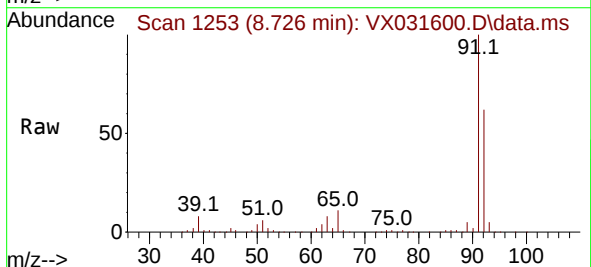
Acq: 23 Sep 2022 04:07

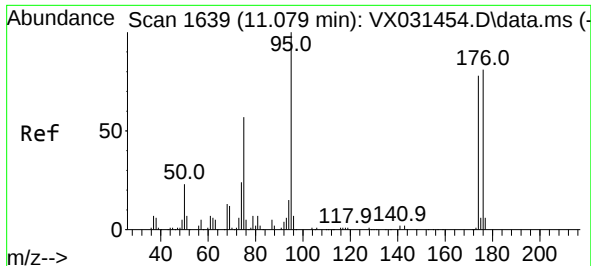
Tgt Ion: 92 Resp: 2496190

Ion Ratio Lower Upper

92 100

91 163.6 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 76.320 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

Instrument :

MSVOA_X

ClientSampleId :

SB-1

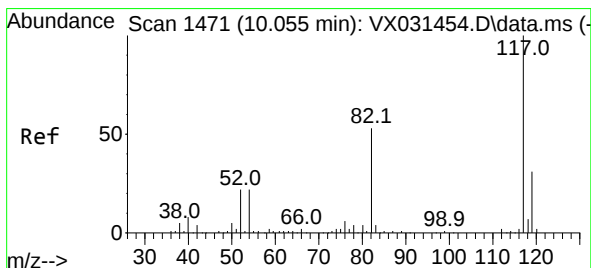
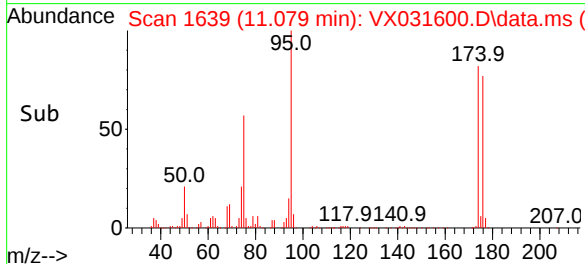
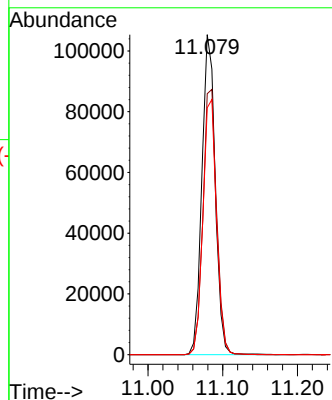
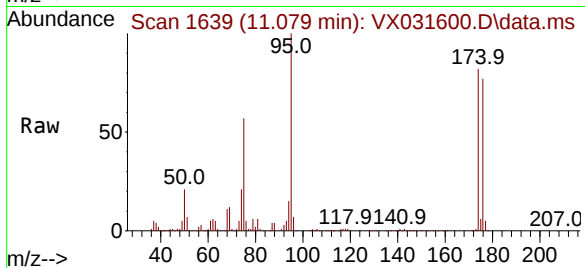
Tgt Ion: 95 Resp: 129970

Ion Ratio Lower Upper

95 100

174 85.5 0.0 153.2

176 82.1 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: VX031600.D

Acq: 23 Sep 2022 04:07

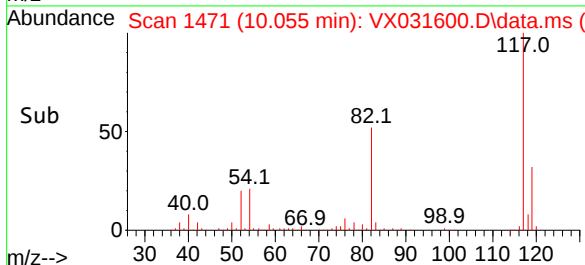
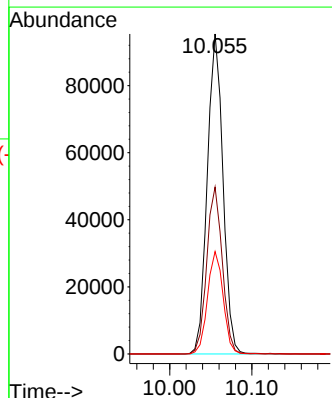
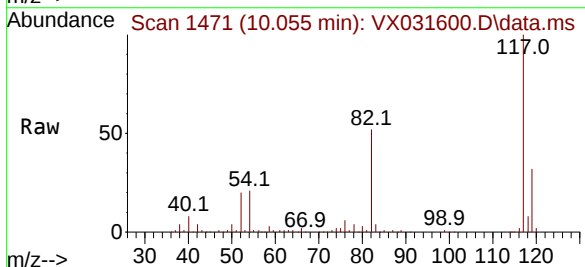
Tgt Ion: 117 Resp: 126381

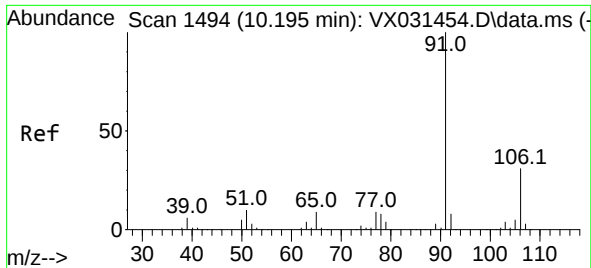
Ion Ratio Lower Upper

117 100

82 52.1 46.8 70.2

119 32.0 26.4 39.6

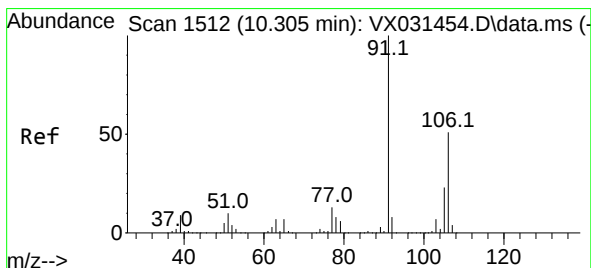
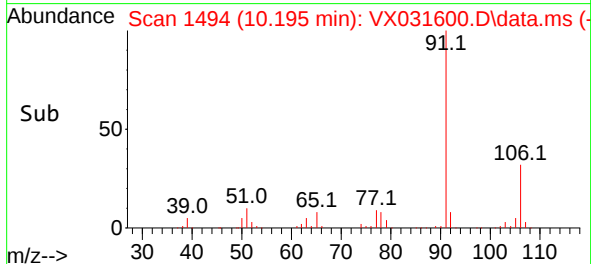
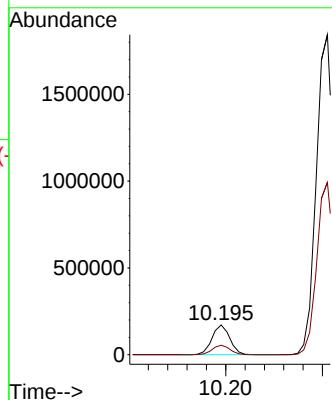
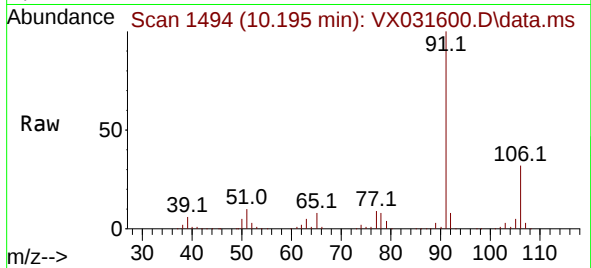




#67
Ethyl Benzene
Concen: 31.721 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

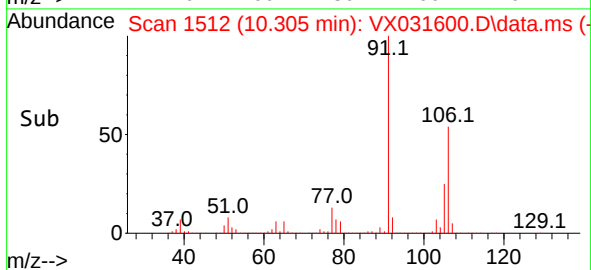
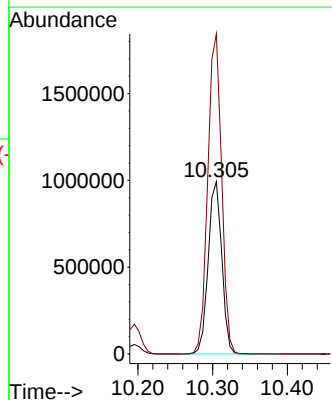
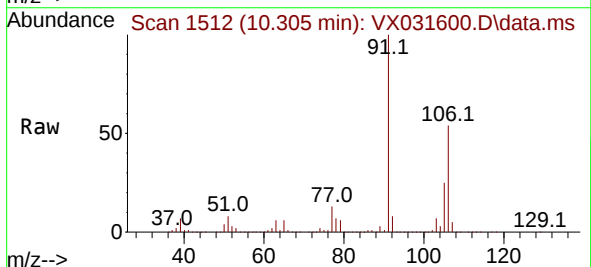
Instrument :
MSVOA_X
ClientSampleId :
SB-1

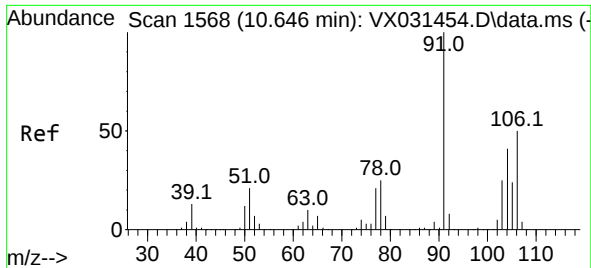
Tgt Ion: 91 Resp: 218276
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8



#68
m/p-Xylenes
Concen: 452.065 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

Tgt Ion: 106 Resp: 1250114
Ion Ratio Lower Upper
106 100
91 189.6 161.0 241.4

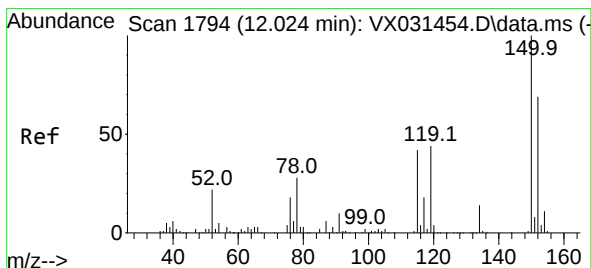
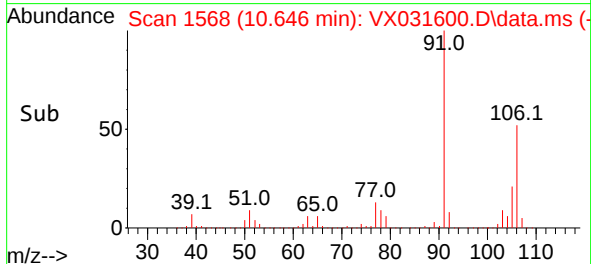
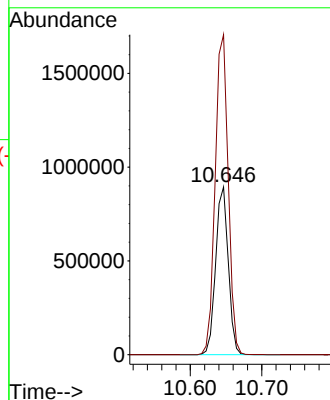
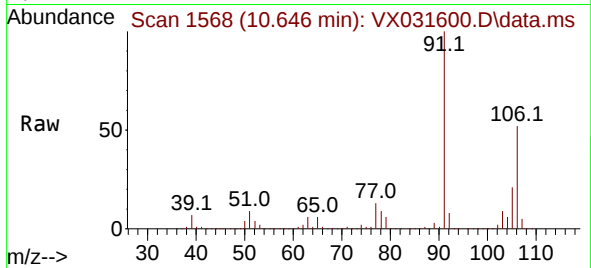




#69
o-Xylene
Concen: 414.057 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

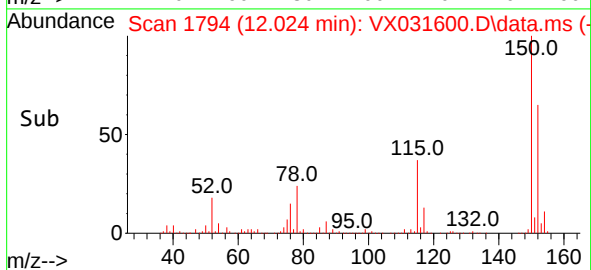
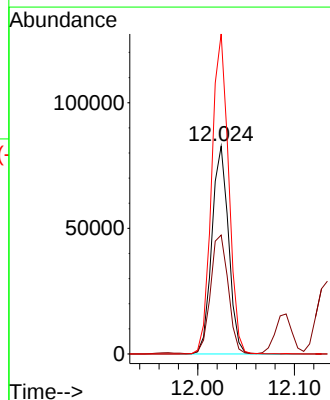
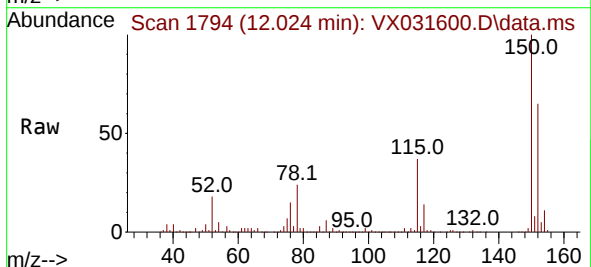
Instrument :
MSVOA_X
ClientSampleId :
SB-1

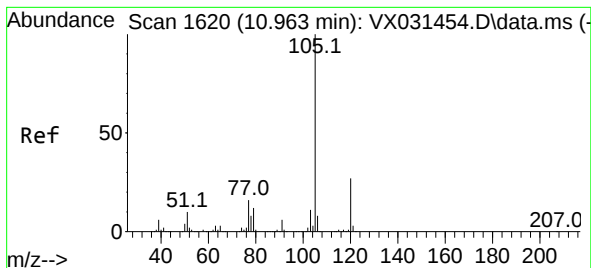
Tgt Ion:106 Resp: 1092900
Ion Ratio Lower Upper
106 100
91 197.3 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

Tgt Ion:152 Resp: 99072
Ion Ratio Lower Upper
152 100
115 60.4 43.4 130.1
150 156.7 0.0 346.8





#73

Isopropylbenzene

Concen: 1.785 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

Instrument :

MSVOA_X

ClientSampleId :

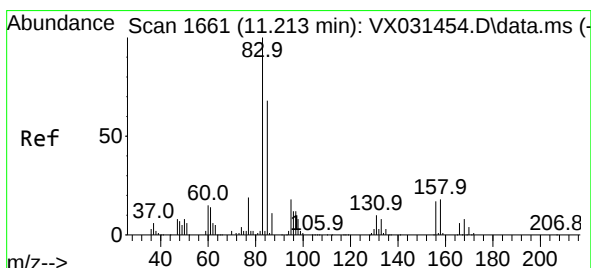
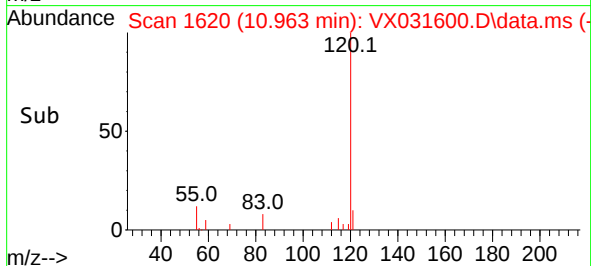
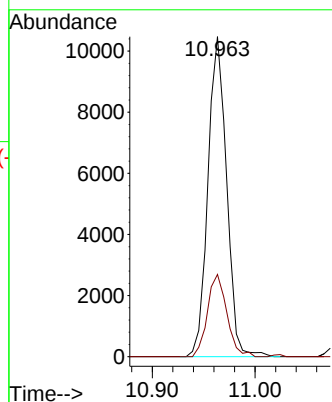
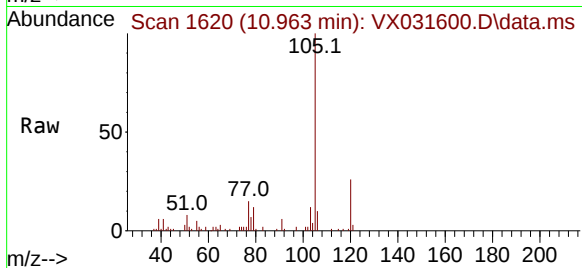
SB-1

Tgt Ion:105 Resp: 13208

Ion Ratio Lower Upper

105 100

120 26.8 13.7 41.0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.238 min Scan# 1665

Delta R.T. 0.025 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

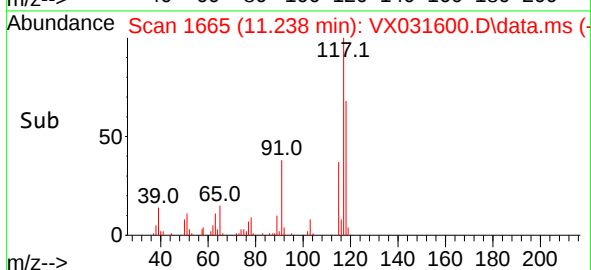
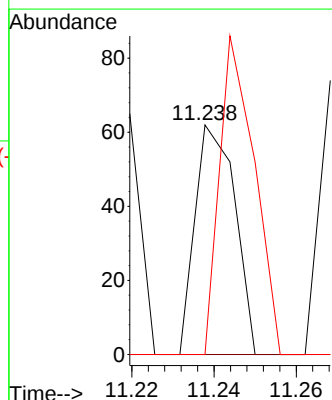
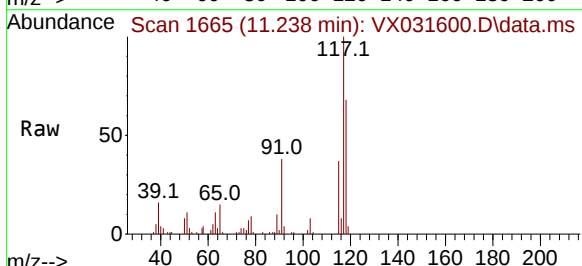
Tgt Ion: 83 Resp: 42

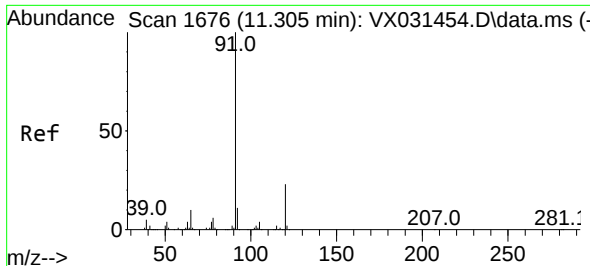
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

85 119.0 32.6 97.8#

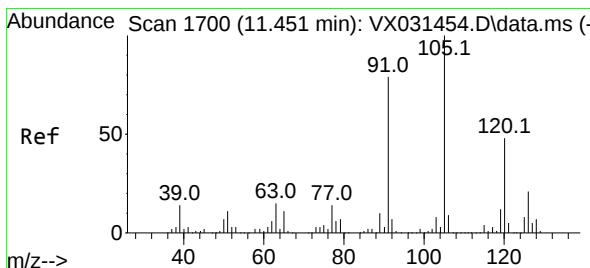
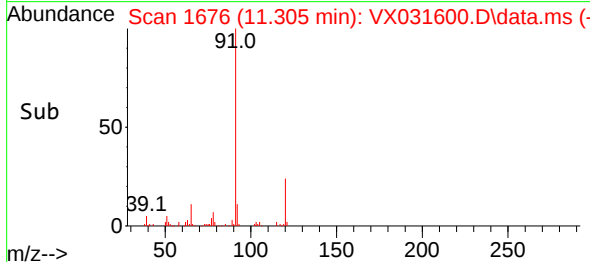
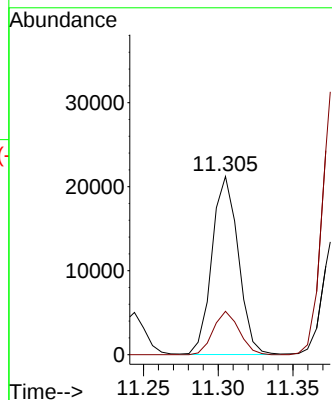
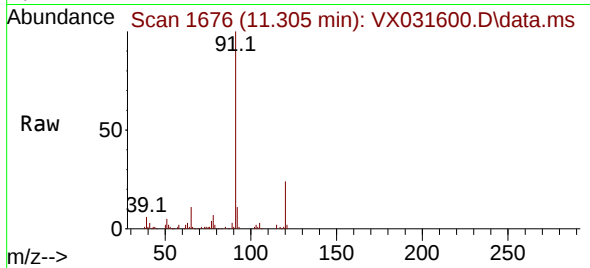




#78
n-propylbenzene
Concen: 3.058 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

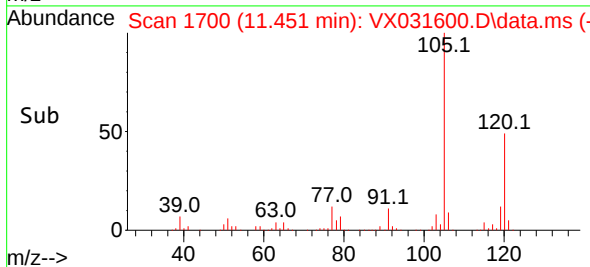
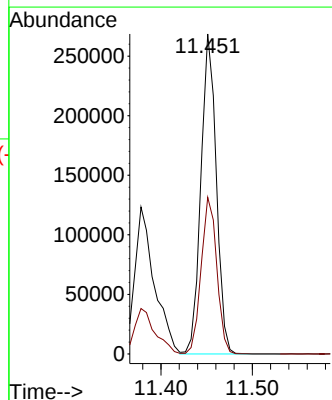
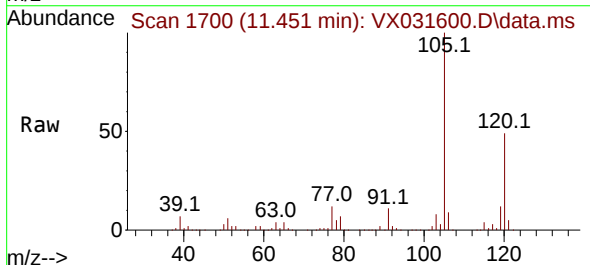
Instrument :
MSVOA_X
ClientSampleId :
SB-1

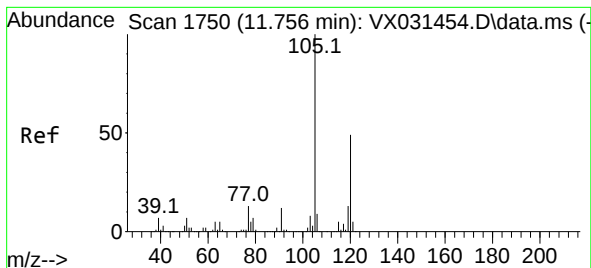
Tgt Ion: 91 Resp: 26028
Ion Ratio Lower Upper
91 100
120 23.9 11.8 35.4



#80
1,3,5-Trimethylbenzene
Concen: 49.893 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX031600.D
Acq: 23 Sep 2022 04:07

Tgt Ion: 105 Resp: 313255
Ion Ratio Lower Upper
105 100
120 49.9 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 150.402 ug/l

RT: 11.756 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

Instrument :

MSVOA_X

ClientSampleId :

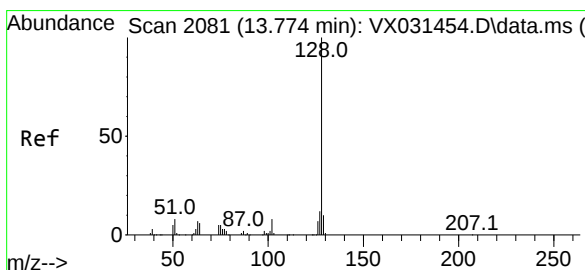
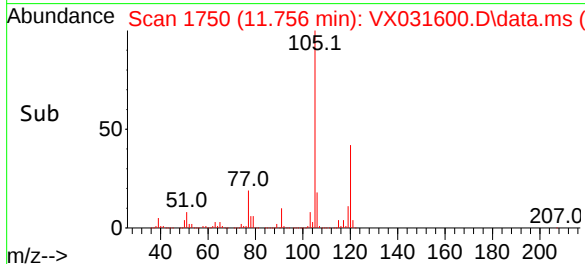
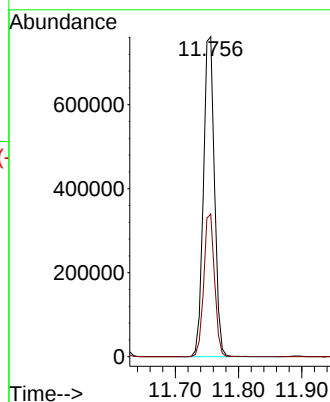
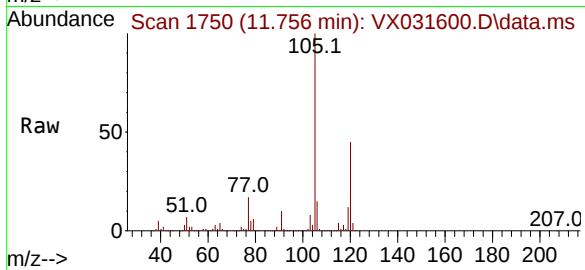
SB-1

Tgt Ion:105 Resp: 929993

Ion Ratio Lower Upper

105 100

120 43.4 22.6 67.8



#95

Naphthalene

Concen: 2431.716 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX031600.D

Acq: 23 Sep 2022 04:07

Tgt Ion:128 Resp:17270752

Ion Ratio Lower Upper

128 100

127 28.4 10.4 15.6#

129 25.7 8.8 13.2#

