

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103123\
 Data File : VY016155.D
 Acq On : 31 Oct 2023 18:47
 Operator : SY/MD
 Sample : 05107-23
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1047

Quant Time: Nov 01 03:41:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 01 03:33:29 2023
 Response via : Initial Calibration

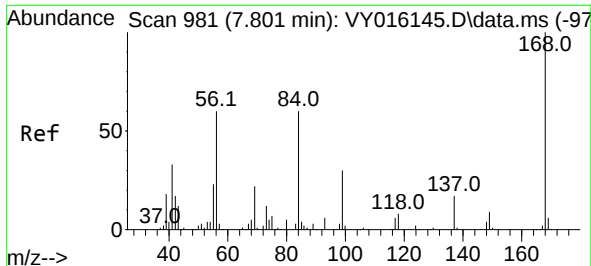
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.795	168	119003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	196963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.501	117	180784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	84964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	65804	59.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.180%
35) Dibromofluoromethane	7.728	113	55997	47.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.380%
50) Toluene-d8	10.185	98	231233	49.668	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.340%
62) 4-Bromofluorobenzene	12.489	95	80762	50.731	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.460%
Target Compounds						
					Qvalue	
40) Benzene	8.173	78	12220	2.510	ug/l	95
52) Toluene	10.252	92	6949	2.203	ug/l	93
67) Ethyl Benzene	11.599	91	32301	5.028	ug/l	97
68) m/p-Xylenes	11.709	106	9076	3.656	ug/l	95
69) o-Xylene	12.038	106	342306	144.421	ug/l	96

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

Quant Time: Nov 01 03:41:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 01 03:33:29 2023
Response via : Initial Calibration

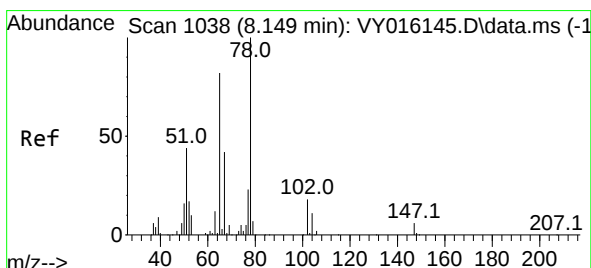
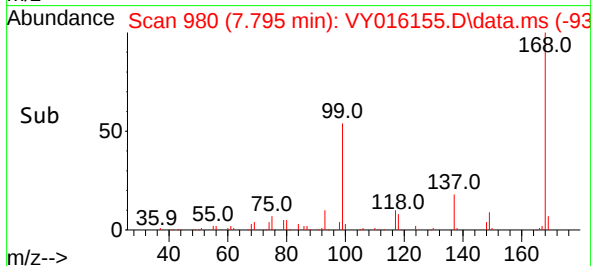
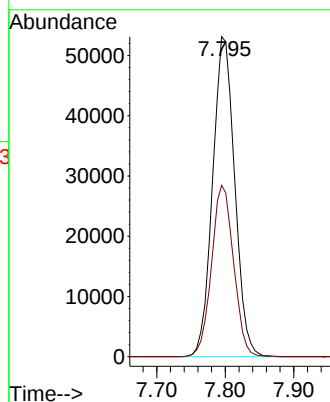
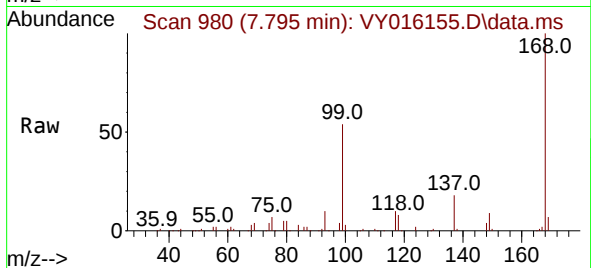




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016155.D
Acq: 31 Oct 2023 18:47

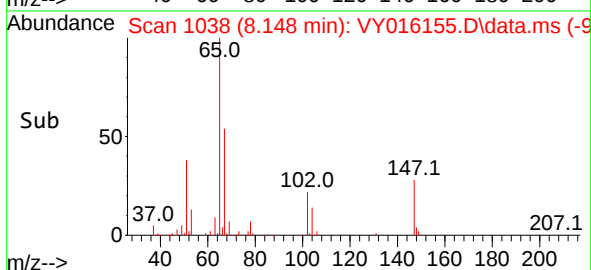
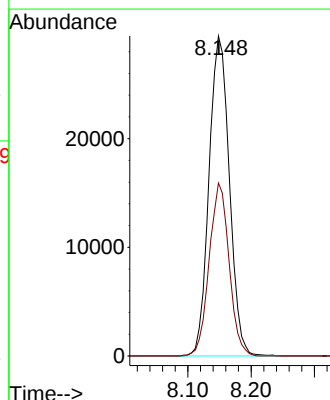
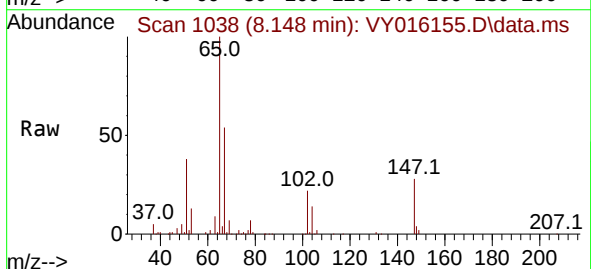
Instrument :
MSVOA_Y
ClientSampleId :
1047

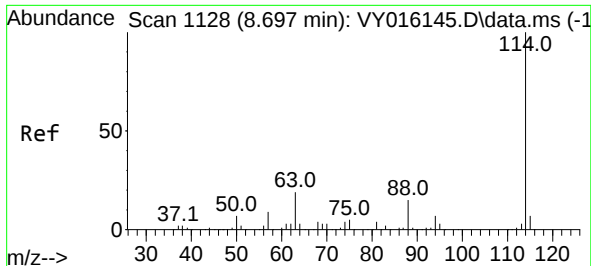
Tgt Ion:168 Resp: 119003
Ion Ratio Lower Upper
168 100
99 53.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 59.094 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY016155.D
Acq: 31 Oct 2023 18:47

Tgt Ion: 65 Resp: 65804
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY016155.D

Acq: 31 Oct 2023 18:47

Instrument :

MSVOA_Y

ClientSampleId :

1047

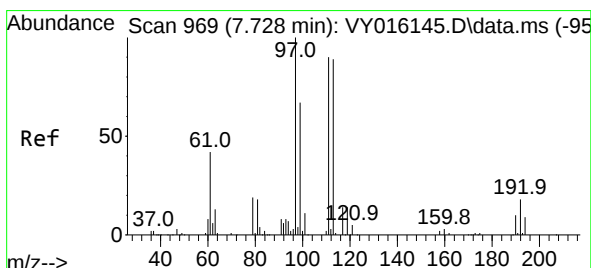
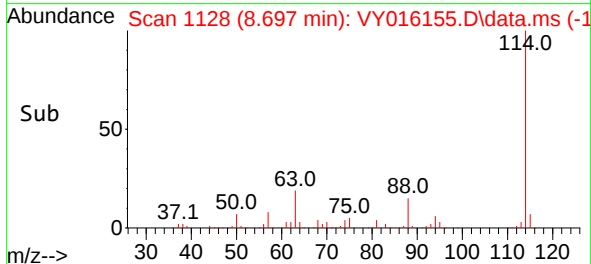
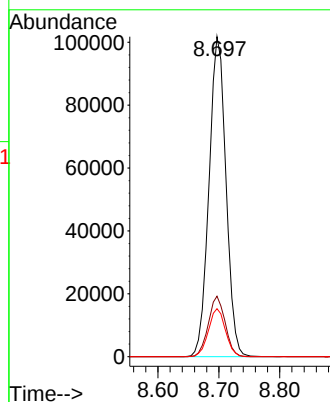
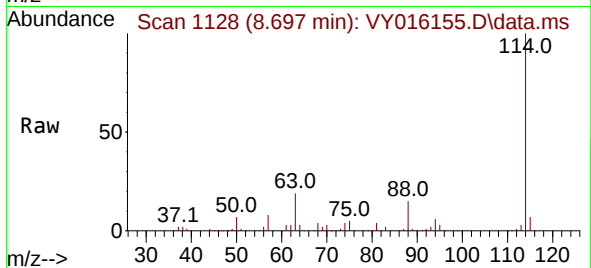
Tgt Ion:114 Resp: 196963

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.688 ug/l

RT: 7.728 min Scan# 969

Delta R.T. -0.000 min

Lab File: VY016155.D

Acq: 31 Oct 2023 18:47

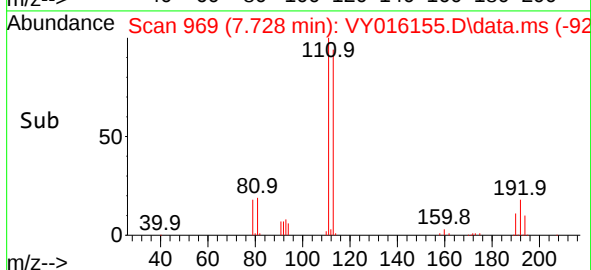
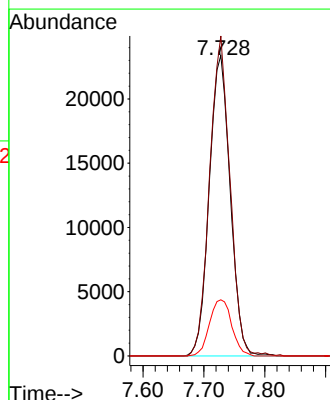
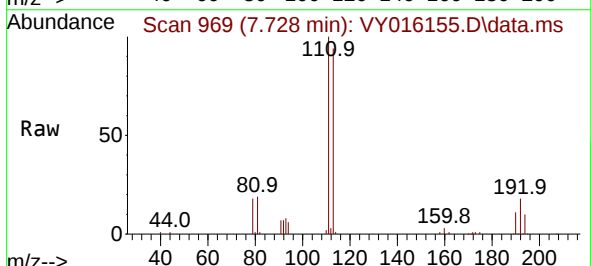
Tgt Ion:113 Resp: 55997

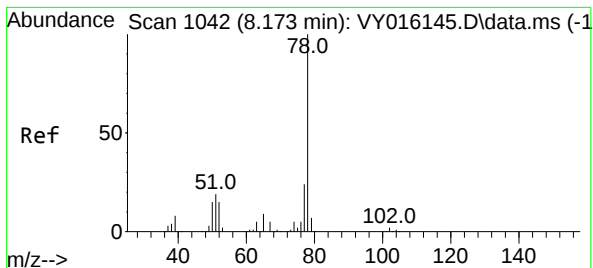
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 19.8 16.9 25.3





#40

Benzene

Concen: 2.510 ug/l

RT: 8.173 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VY016155.D

Acq: 31 Oct 2023 18:47

Instrument :

MSVOA_Y

ClientSampleId :

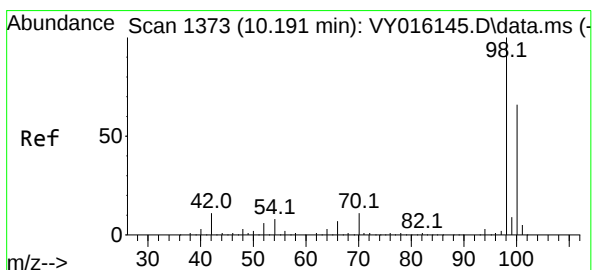
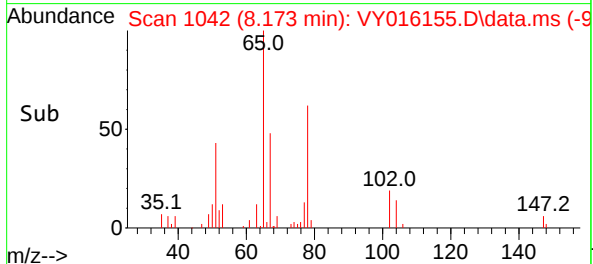
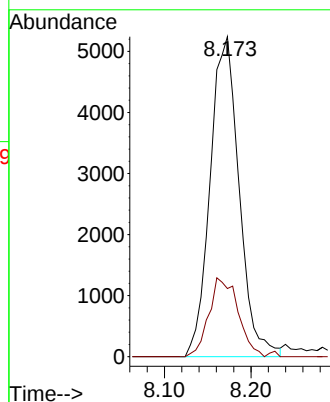
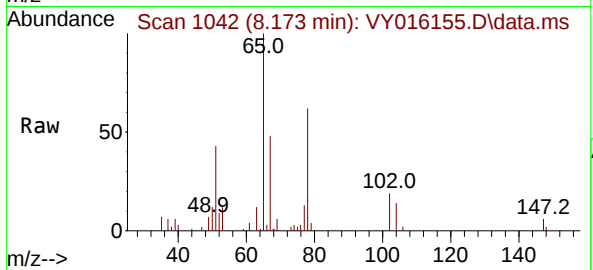
1047

Tgt Ion: 78 Resp: 12220

Ion Ratio Lower Upper

78 100

77 21.3 19.0 28.6



#50

Toluene-d8

Concen: 49.668 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016155.D

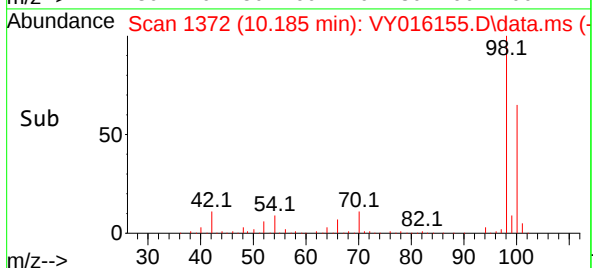
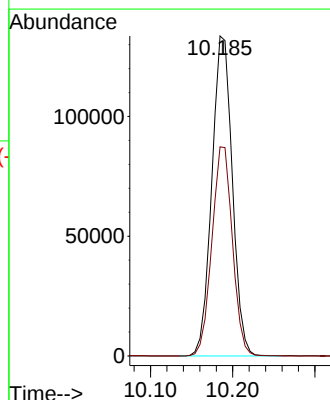
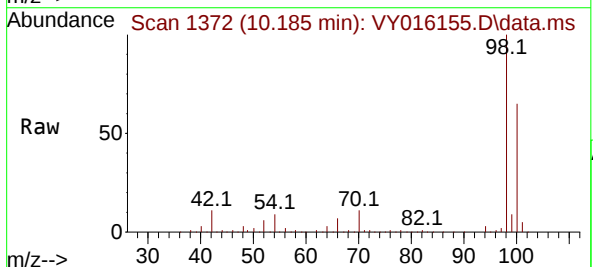
Acq: 31 Oct 2023 18:47

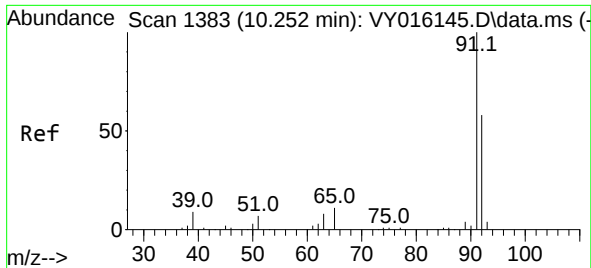
Tgt Ion: 98 Resp: 231233

Ion Ratio Lower Upper

98 100

100 65.5 50.1 75.1

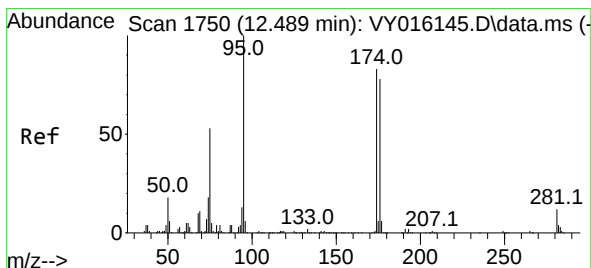
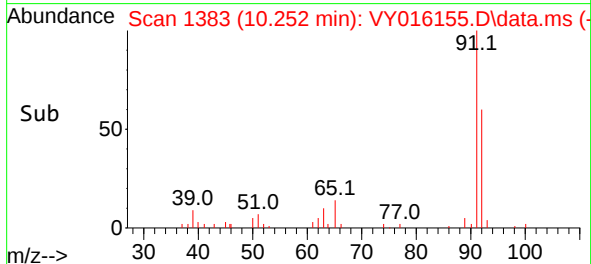
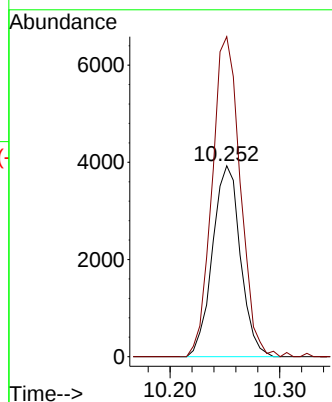
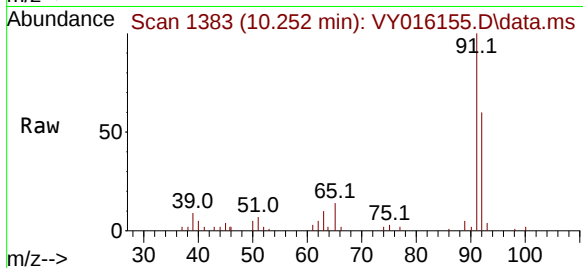




#52
Toluene
Concen: 2.203 ug/l
RT: 10.252 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY016155.D
Acq: 31 Oct 2023 18:47

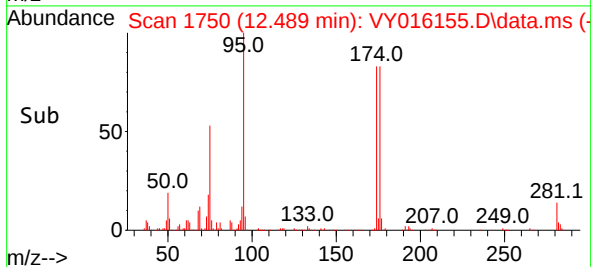
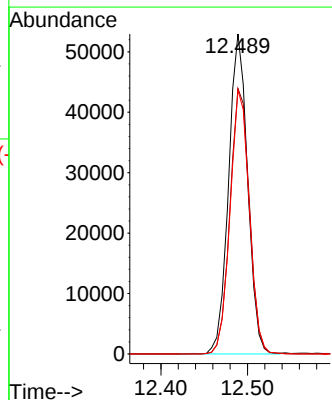
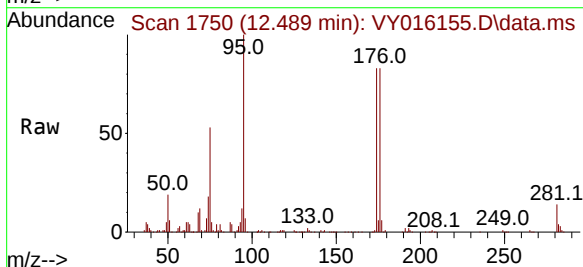
Instrument :
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ClientSampleId :
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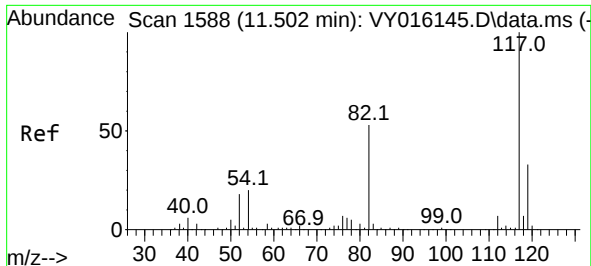
Tgt Ion: 92 Resp: 6949
Ion Ratio Lower Upper
92 100
91 169.4 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 50.731 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016155.D
Acq: 31 Oct 2023 18:47

Tgt Ion: 95 Resp: 80762
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 83.2 0.0 173.8

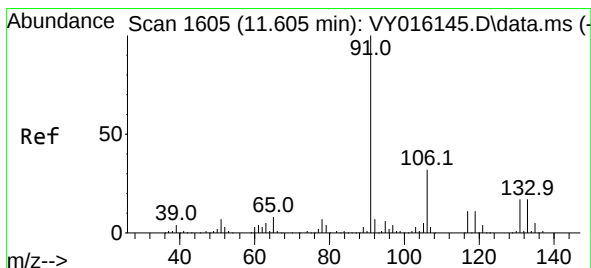
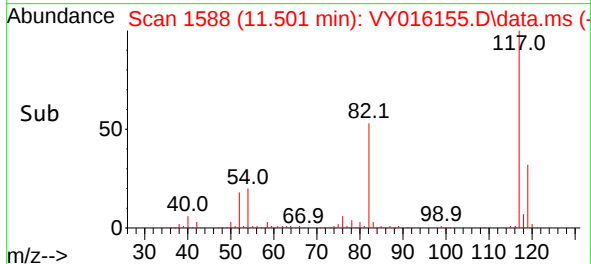
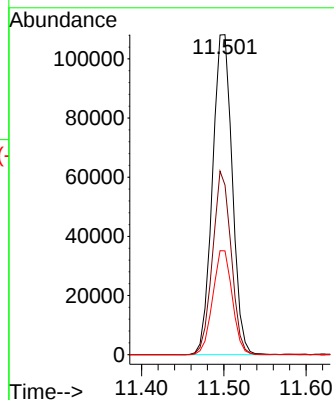
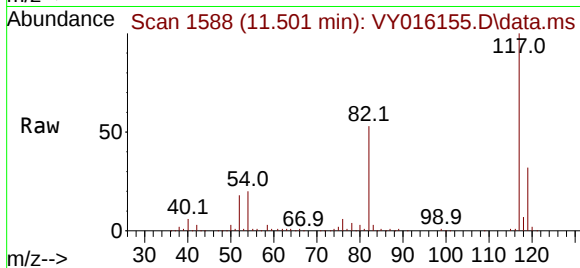




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.501 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016155.D
Acq: 31 Oct 2023 18:47

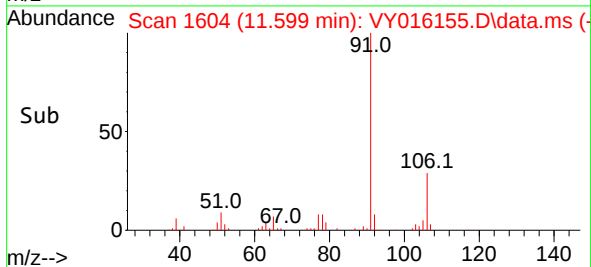
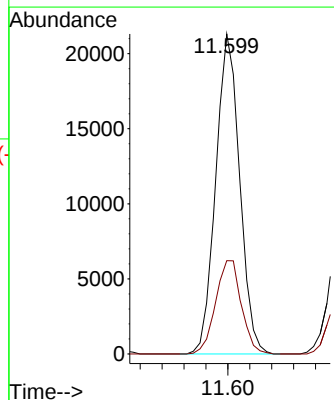
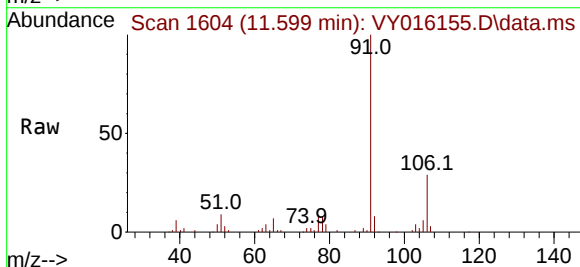
Instrument :
MSVOA_Y
ClientSampleId :
1047

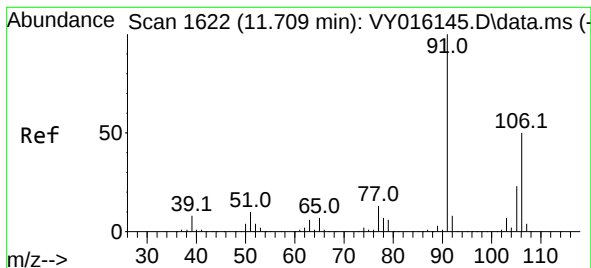
Tgt Ion:117 Resp: 180784
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.4 26.3 39.5



#67
Ethyl Benzene
Concen: 5.028 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. -0.006 min
Lab File: VY016155.D
Acq: 31 Oct 2023 18:47

Tgt Ion: 91 Resp: 32301
Ion Ratio Lower Upper
91 100
106 29.1 24.6 36.8





#68

m/p-Xylenes

Concen: 3.656 ug/l

RT: 11.709 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY016155.D

Acq: 31 Oct 2023 18:47

Instrument :

MSVOA_Y

ClientSampleId :

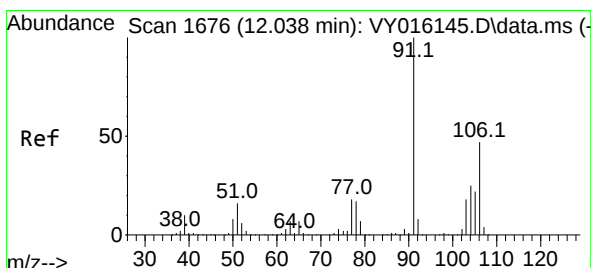
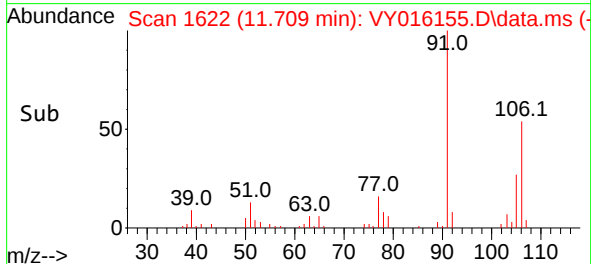
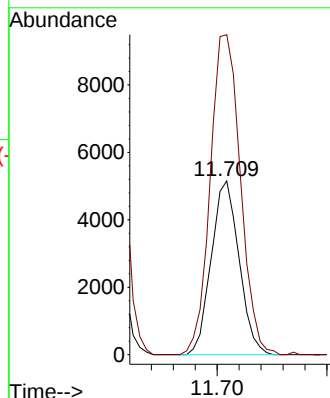
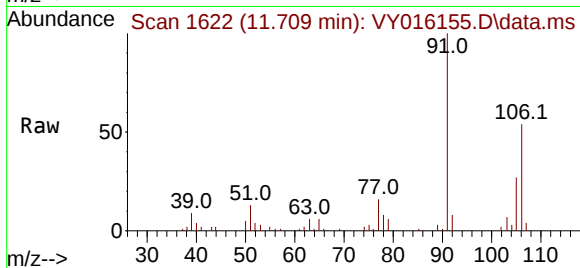
1047

Tgt Ion:106 Resp: 9076

Ion Ratio Lower Upper

106 100

91 199.8 166.1 249.1



#69

o-Xylene

Concen: 144.421 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VY016155.D

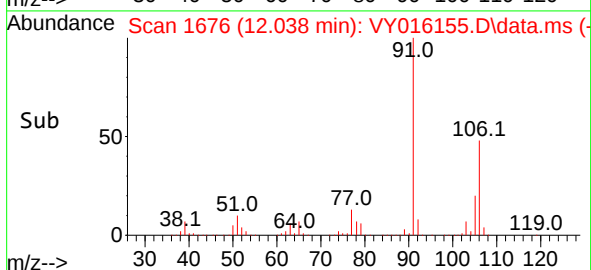
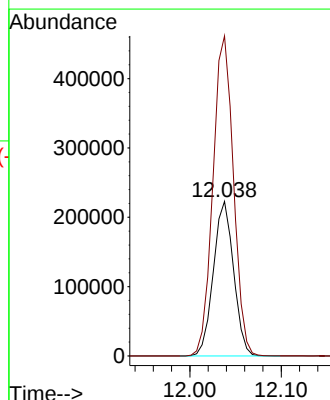
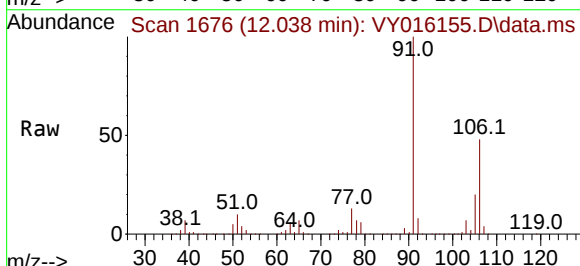
Acq: 31 Oct 2023 18:47

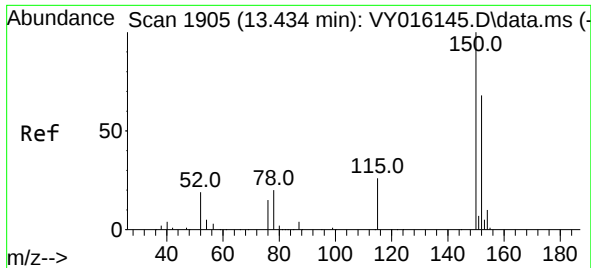
Tgt Ion:106 Resp: 342306

Ion Ratio Lower Upper

106 100

91 210.2 108.1 324.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. -0.000 min
 Lab File: VY016155.D
 Acq: 31 Oct 2023 18:47

Instrument :
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Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.8	86.5
150	156.8	0.0	348.8

