

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015931.D
 Acq On : 11 Oct 2023 18:06
 Operator : SY/MD
 Sample : 04805-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 M-2(0-5)

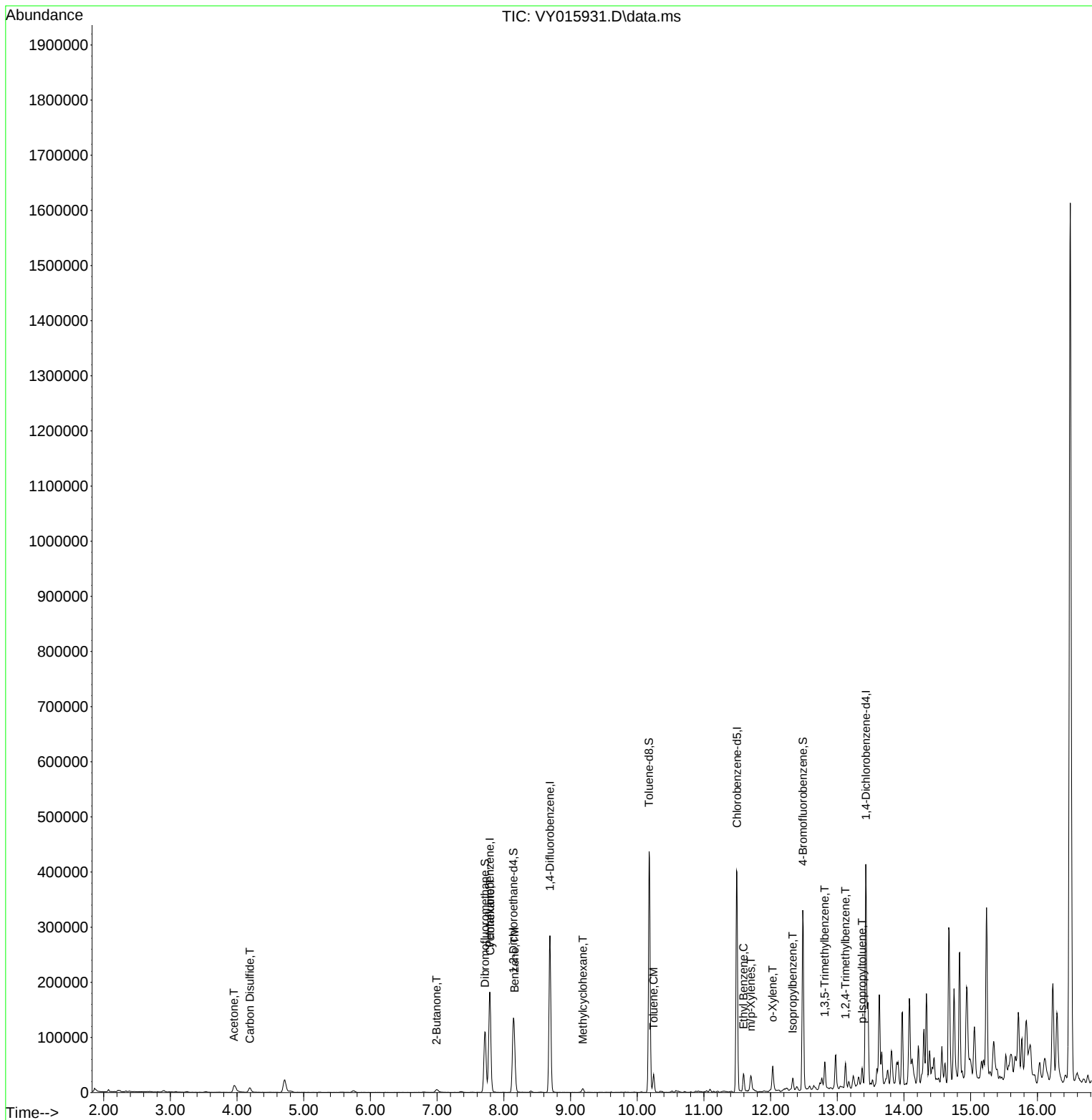
Quant Time: Oct 12 01:59:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 10 07:06:18 2023
 Response via : Initial Calibration

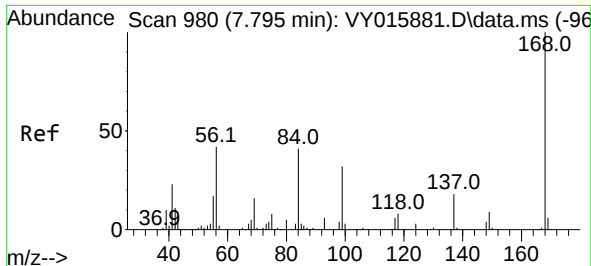
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	142747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246609	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	228879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	102264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	86480	67.329	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.660%	
35) Dibromofluoromethane	7.716	113	79618	57.882	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.760%	
50) Toluene-d8	10.178	98	291111	64.216	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 128.440%	
62) 4-Bromofluorobenzene	12.483	95	99006	53.769	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 107.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	28826	50.752	ug/l	92
17) Carbon Disulfide	4.192	76	17188	15.904	ug/l	98
25) 2-Butanone	6.990	43	7929	11.253	ug/l	99
31) Cyclohexane	7.795	56	3428	2.492	ug/l #	1
39) Methylcyclohexane	9.185	83	2895	1.871	ug/l #	88
40) Benzene	8.161	78	50155	10.476	ug/l	99
52) Toluene	10.246	92	13215	4.158	ug/l	96
67) Ethyl Benzene	11.593	91	21680	3.165	ug/l	99
68) m/p-Xylenes	11.703	106	9244	3.582	ug/l	97
69) o-Xylene	12.032	106	11349	4.395	ug/l	97
73) Isopropylbenzene	12.331	105	12627	1.957	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	20866	3.925	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	24688	4.611	ug/l	93
86) p-Isopropyltoluene	13.373	119	11977	1.990	ug/l	95

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

Quant Time: Oct 12 01:59:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
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QLast Update : Tue Oct 10 07:06:18 2023
Response via : Initial Calibration

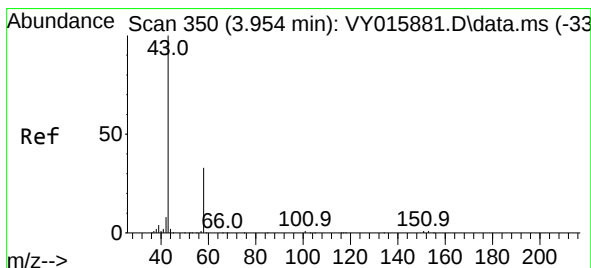
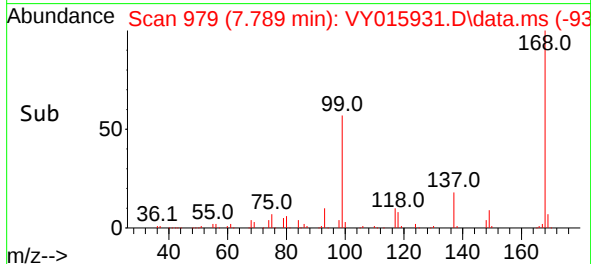
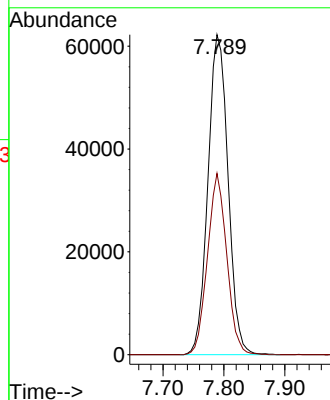
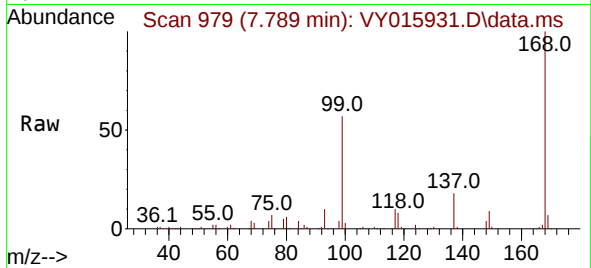




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

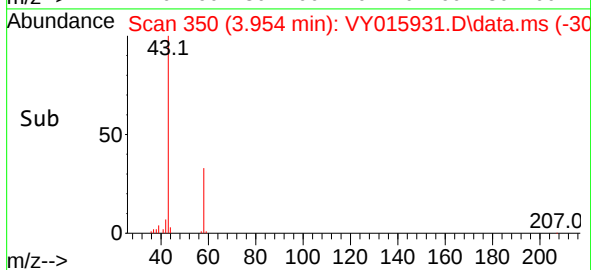
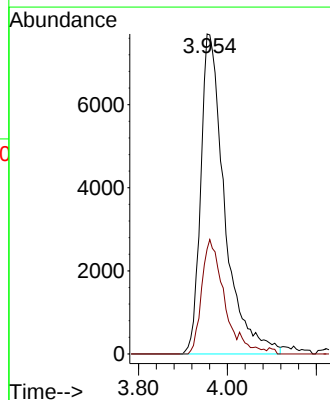
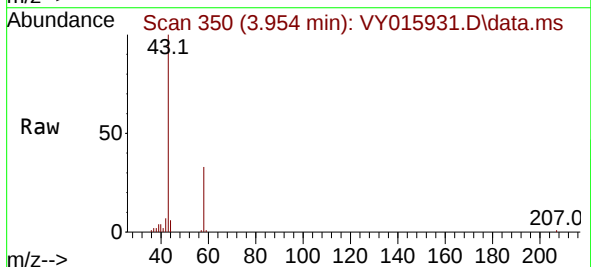
Instrument :
MSVOA_Y
ClientSampleId :
M-2(0-5)

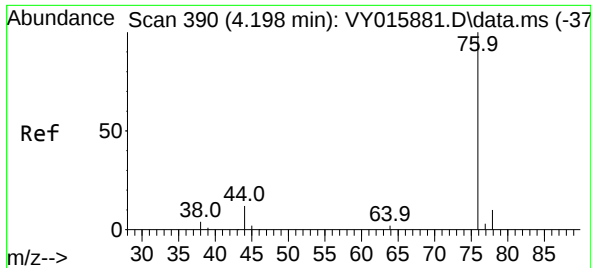
Tgt Ion:168 Resp: 142747
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#16
Acetone
Concen: 50.752 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

Tgt Ion: 43 Resp: 28826
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1

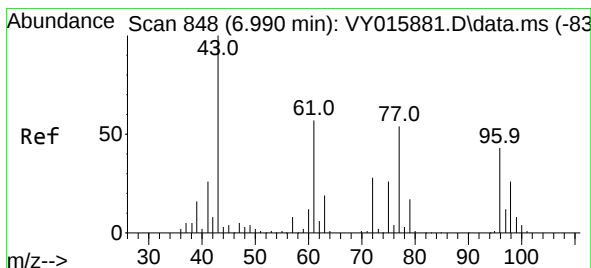
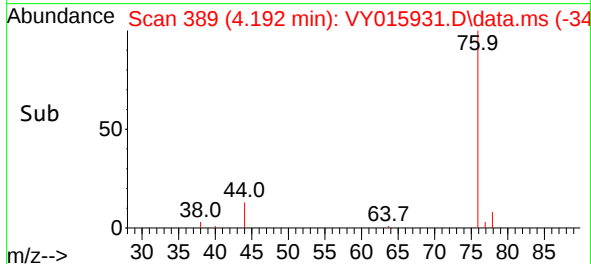
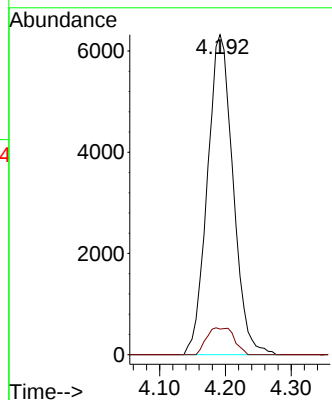
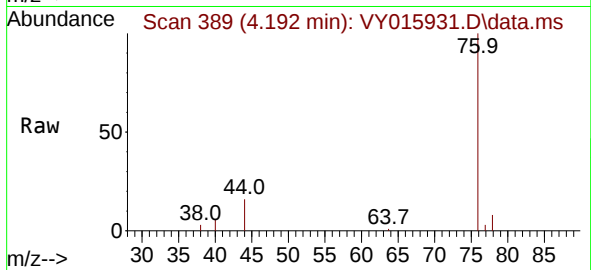




#17
Carbon Disulfide
Concen: 15.904 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

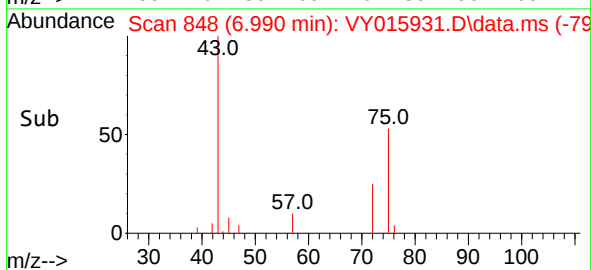
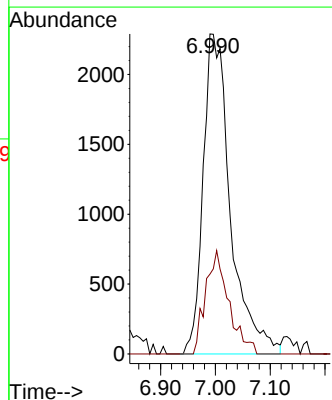
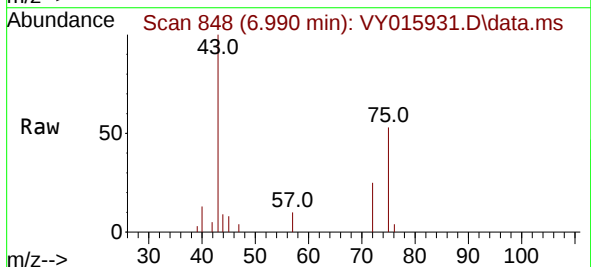
Instrument :
MSVOA_Y
ClientSampleId :
M-2(0-5)

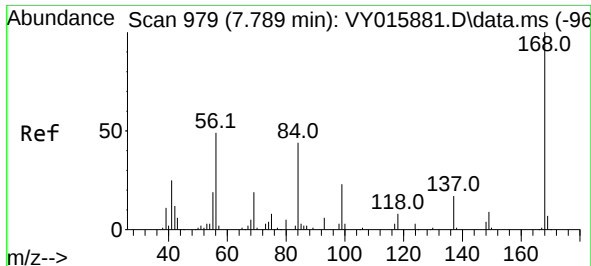
Tgt Ion: 76 Resp: 17188
Ion Ratio Lower Upper
76 100
78 8.0 7.0 10.4



#25
2-Butanone
Concen: 11.253 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.000 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

Tgt Ion: 43 Resp: 7929
Ion Ratio Lower Upper
43 100
72 24.9 20.5 30.7

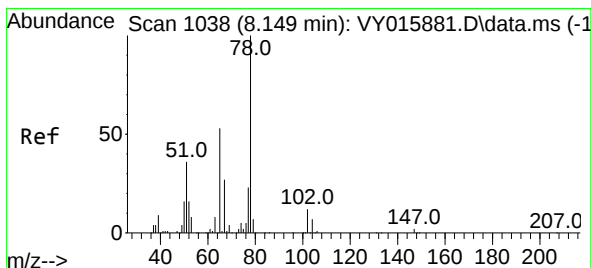
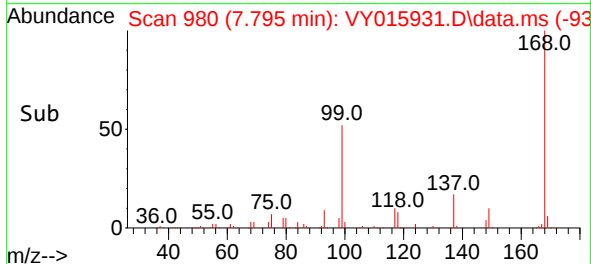
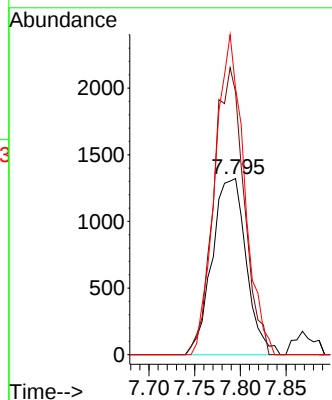
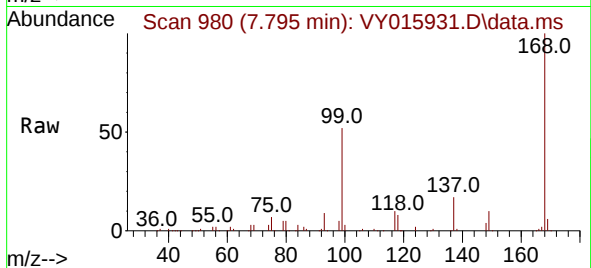




#31
Cyclohexane
Concen: 2.492 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

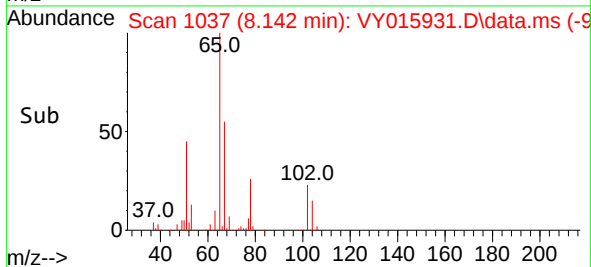
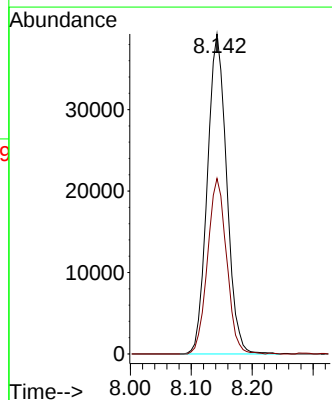
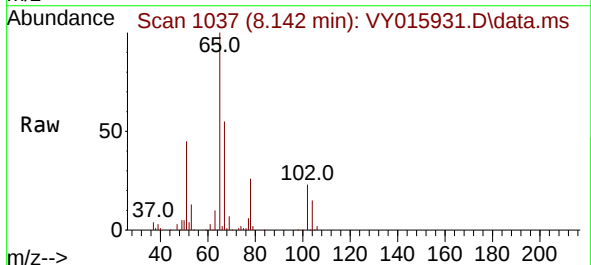
Instrument :
MSVOA_Y
ClientSampleId :
M-2(0-5)

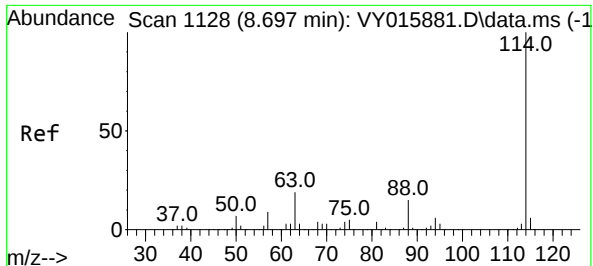
Tgt Ion: 56 Resp: 3428
Ion Ratio Lower Upper
56 100
69 148.9 27.8 41.6#
84 151.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 67.329 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

Tgt Ion: 65 Resp: 86480
Ion Ratio Lower Upper
65 100
67 54.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY015931.D

Acq: 11 Oct 2023 18:06

Instrument :

MSVOA_Y

ClientSampleId :

M-2(0-5)

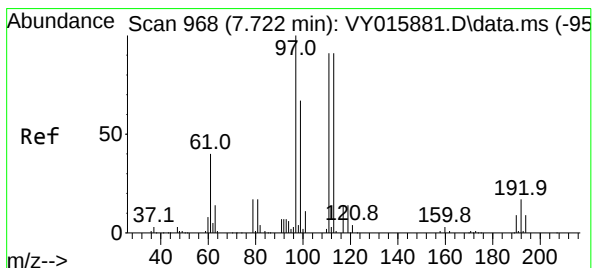
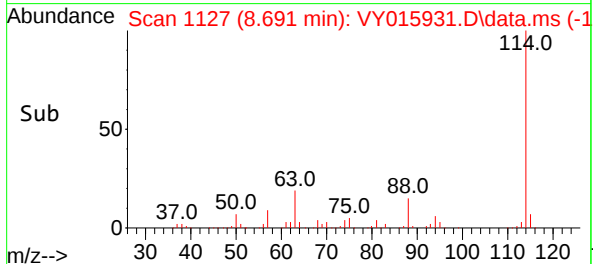
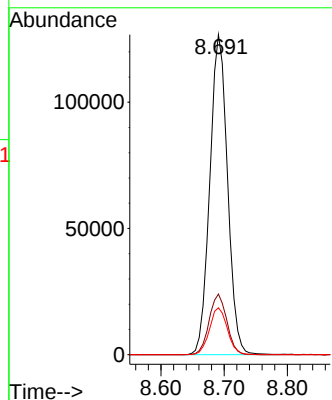
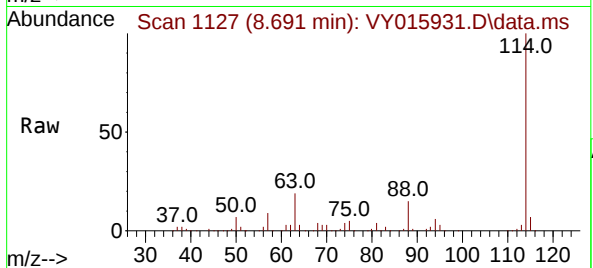
Tgt Ion:114 Resp: 246609

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.882 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY015931.D

Acq: 11 Oct 2023 18:06

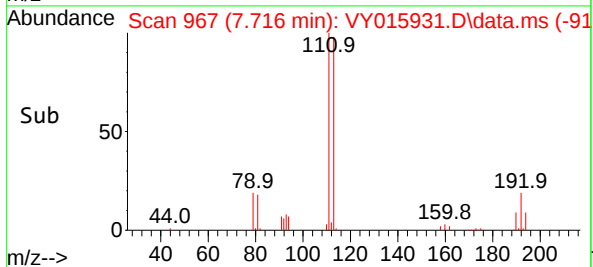
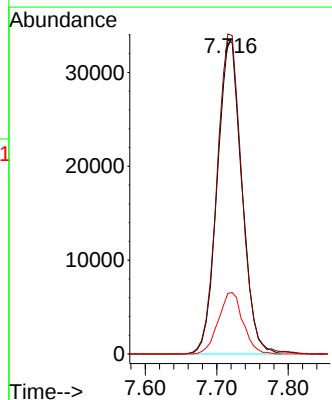
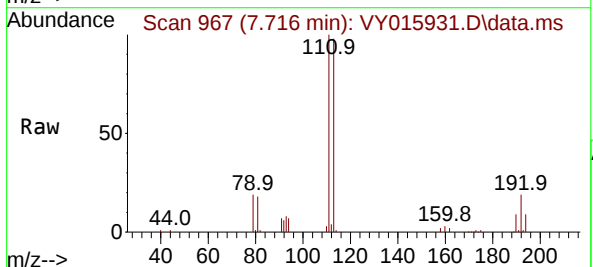
Tgt Ion:113 Resp: 79618

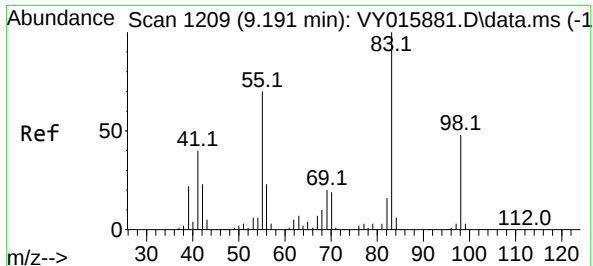
Ion Ratio Lower Upper

113 100

111 103.2 81.3 121.9

192 19.6 16.9 25.3





#39

Methylcyclohexane

Concen: 1.871 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY015931.D

Acq: 11 Oct 2023 18:06

Instrument :

MSVOA_Y

ClientSampleId :

M-2(0-5)

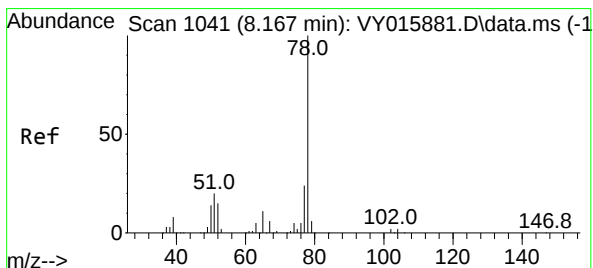
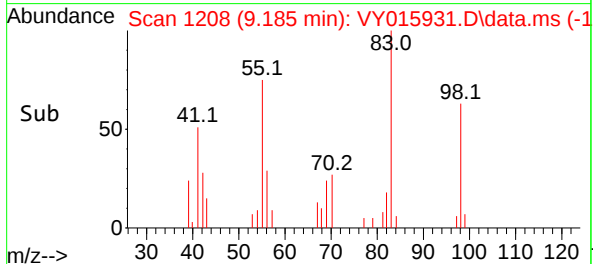
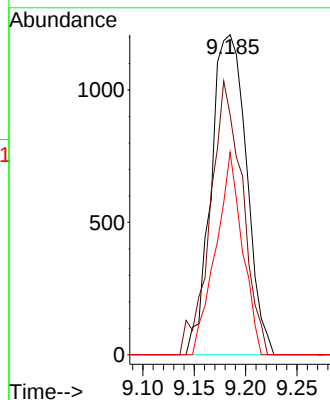
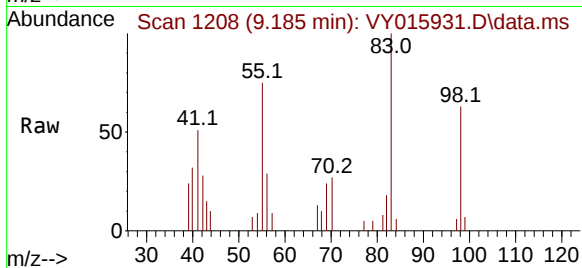
Tgt Ion: 83 Resp: 2895

Ion Ratio Lower Upper

83 100

55 74.9 63.0 94.4

98 63.3 37.4 56.2#



#40

Benzene

Concen: 10.476 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY015931.D

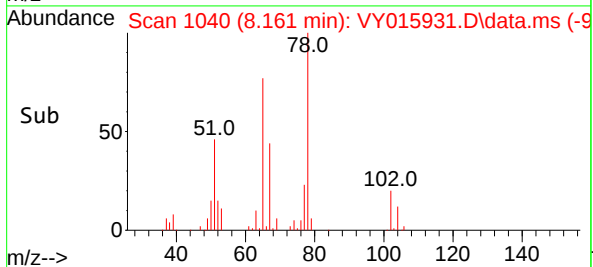
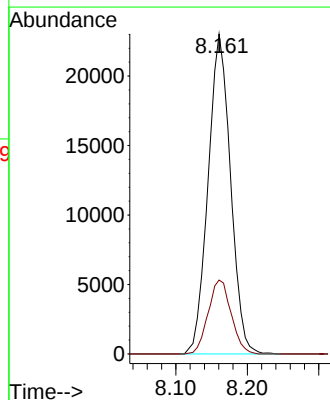
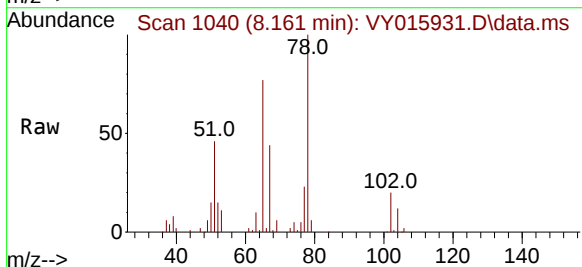
Acq: 11 Oct 2023 18:06

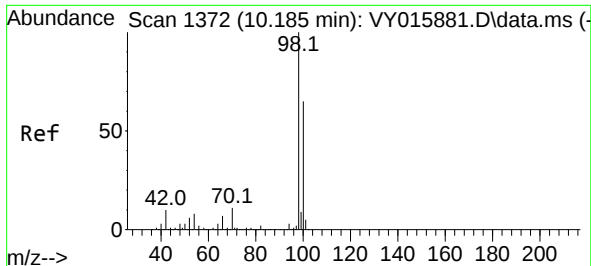
Tgt Ion: 78 Resp: 50155

Ion Ratio Lower Upper

78 100

77 23.1 19.0 28.6

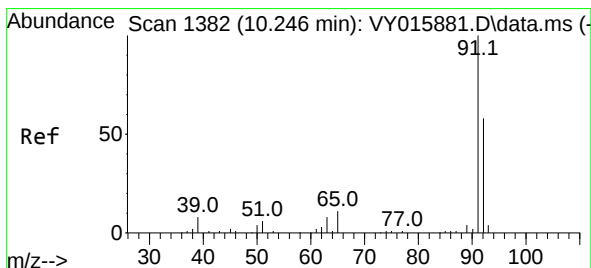
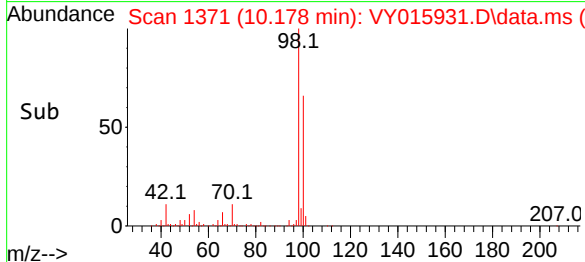
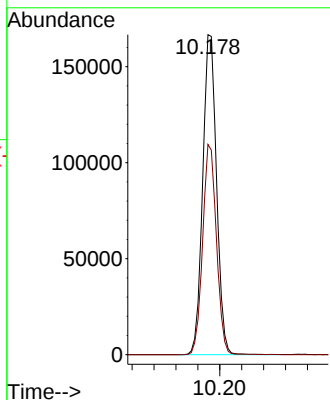
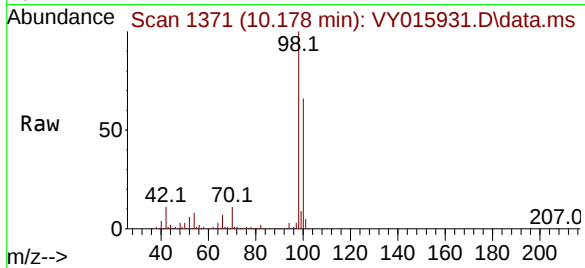




#50
Toluene-d8
Concen: 64.216 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

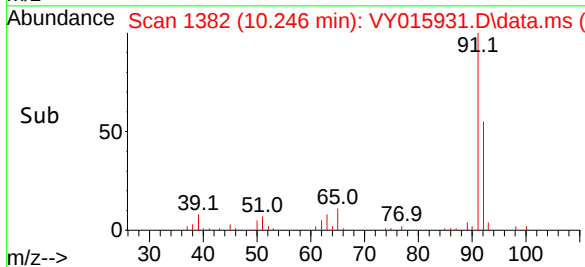
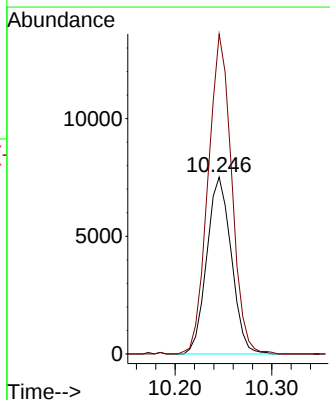
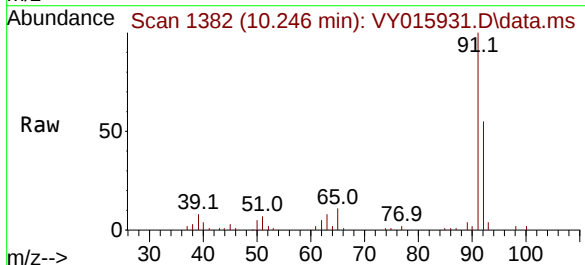
Instrument :
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ClientSampleId :
M-2(0-5)

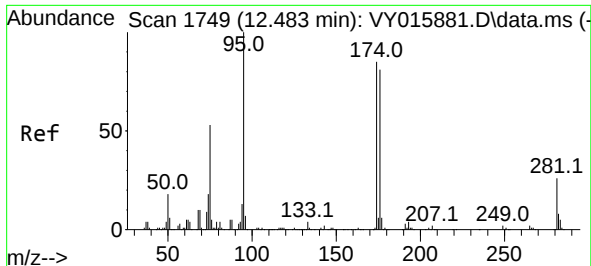
Tgt Ion: 98 Resp: 291111
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#52
Toluene
Concen: 4.158 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

Tgt Ion: 92 Resp: 13215
Ion Ratio Lower Upper
92 100
91 174.5 143.8 215.6





#62

4-Bromofluorobenzene

Concen: 53.769 ug/l

RT: 12.483 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015931.D

Acq: 11 Oct 2023 18:06

Instrument :

MSVOA_Y

ClientSampleId :

M-2(0-5)

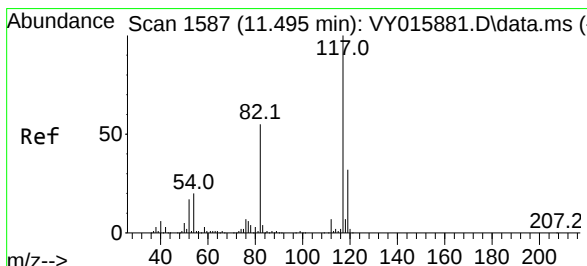
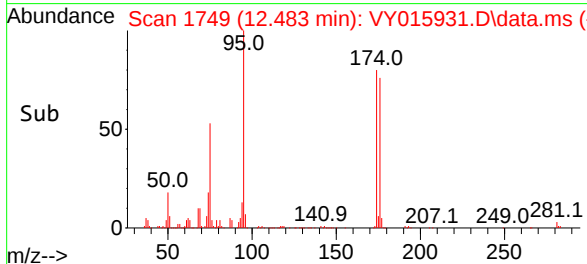
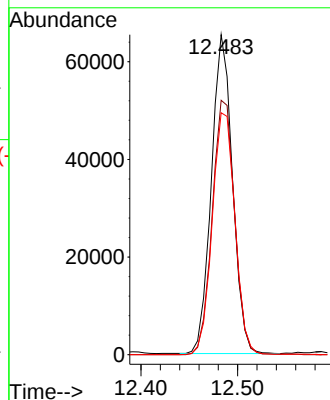
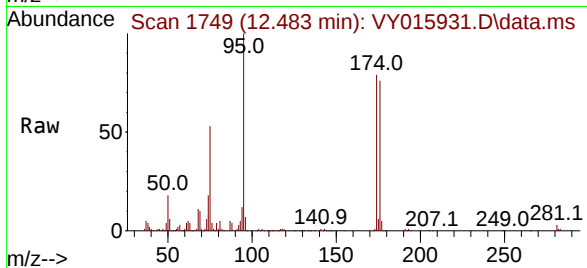
Tgt Ion: 95 Resp: 99006

Ion Ratio Lower Upper

95 100

174 84.6 0.0 178.2

176 81.7 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VY015931.D

Acq: 11 Oct 2023 18:06

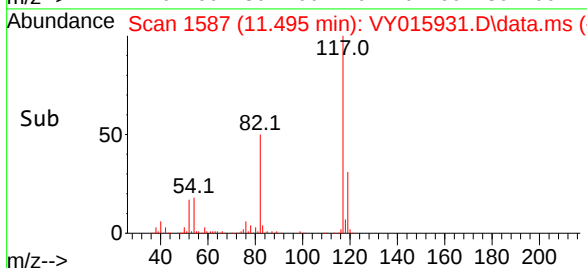
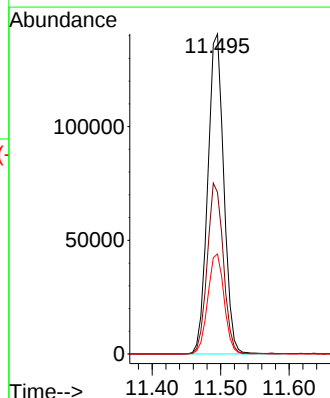
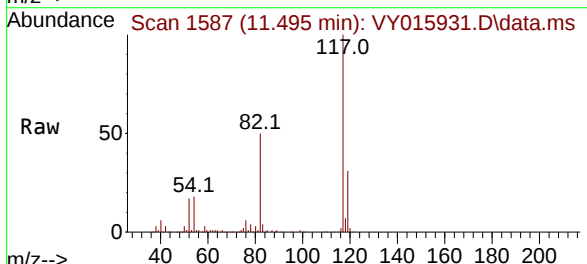
Tgt Ion: 117 Resp: 228879

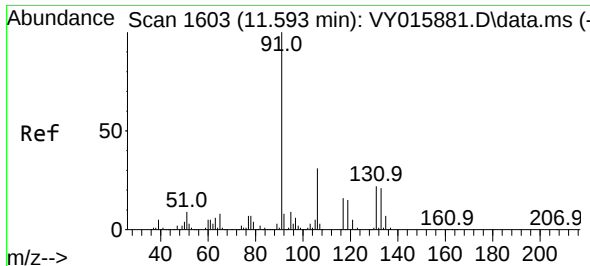
Ion Ratio Lower Upper

117 100

82 50.5 43.4 65.0

119 31.3 26.3 39.5

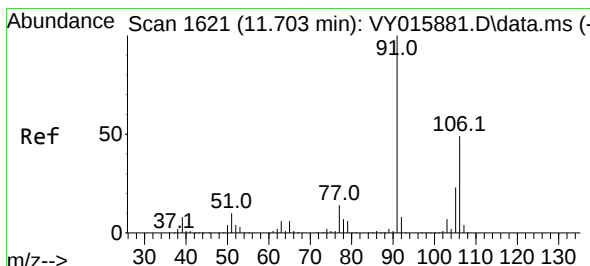
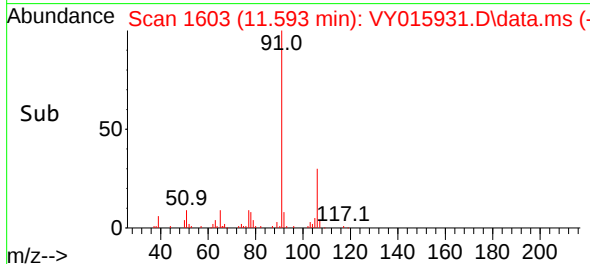
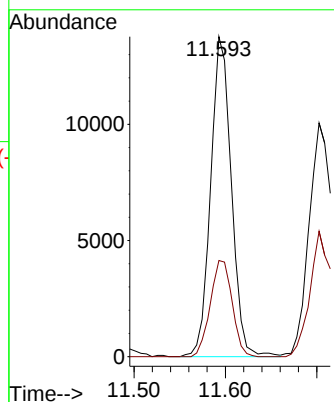
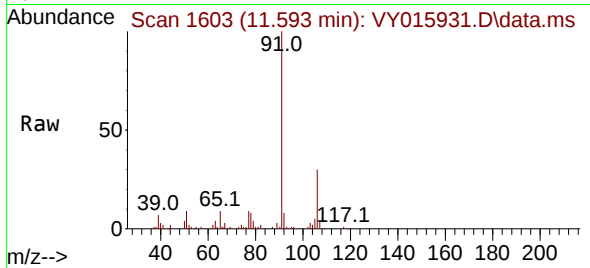




#67
Ethyl Benzene
Concen: 3.165 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

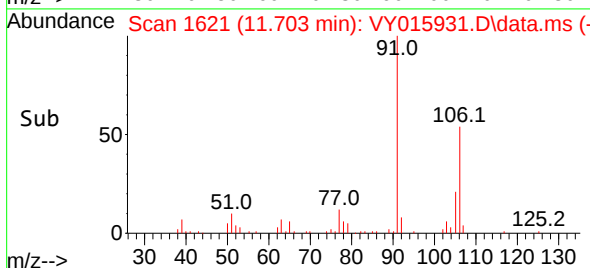
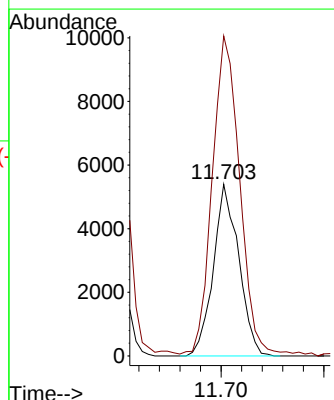
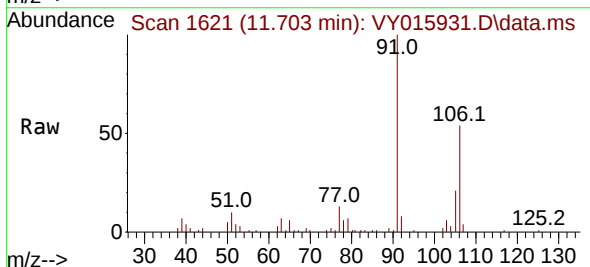
Instrument :
MSVOA_Y
ClientSampleId :
M-2(0-5)

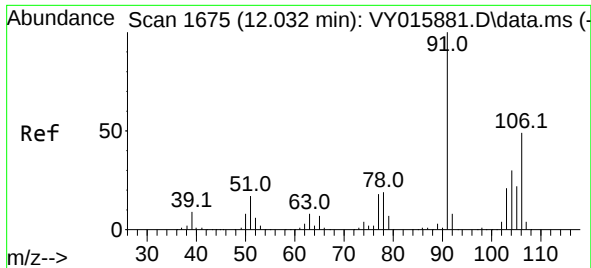
Tgt Ion: 91 Resp: 21680
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8



#68
m/p-Xylenes
Concen: 3.582 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

Tgt Ion: 106 Resp: 9244
Ion Ratio Lower Upper
106 100
91 203.5 166.1 249.1

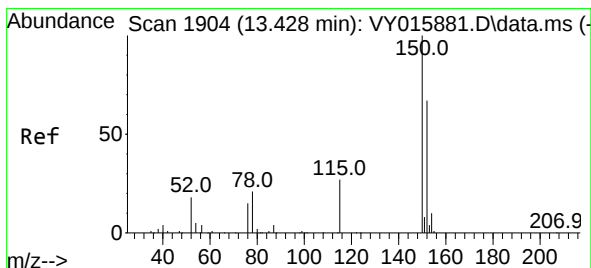
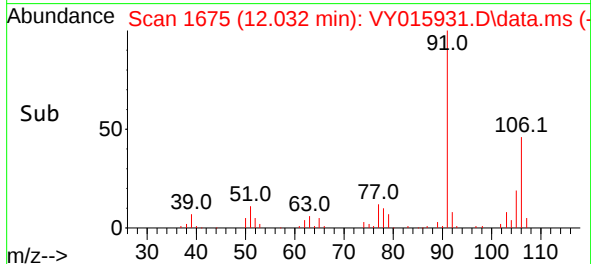
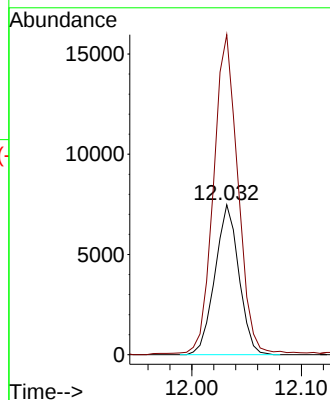
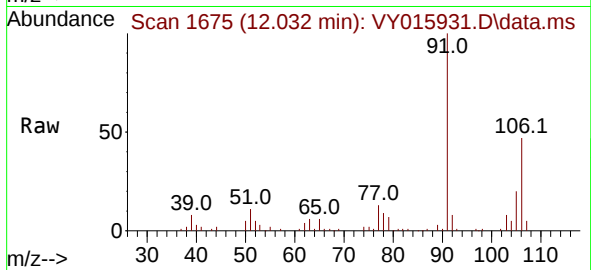




#69
o-Xylene
Concen: 4.395 ug/l
RT: 12.032 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

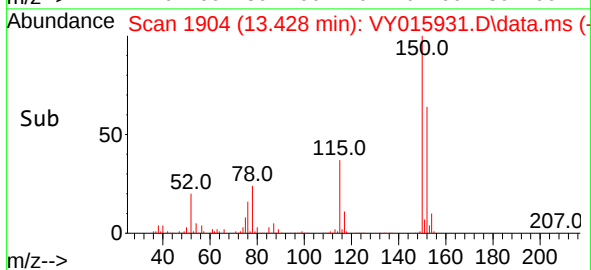
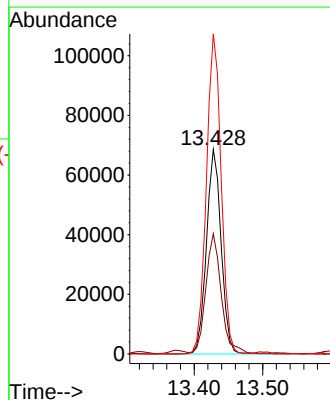
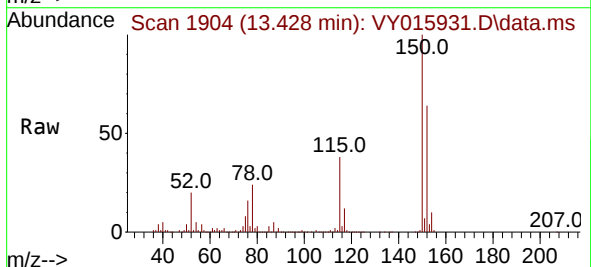
Instrument :
MSVOA_Y
ClientSampleId :
M-2(0-5)

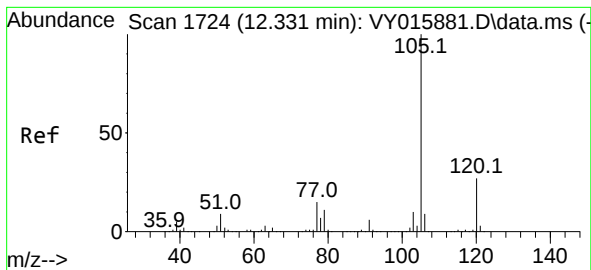
Tgt Ion:106 Resp: 11349
Ion Ratio Lower Upper
106 100
91 220.4 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY015931.D
Acq: 11 Oct 2023 18:06

Tgt Ion:152 Resp: 102264
Ion Ratio Lower Upper
152 100
115 61.3 28.8 86.5
150 157.6 0.0 348.8





#73

Isopropylbenzene

Concen: 1.957 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015931.D

Acq: 11 Oct 2023 18:06

Instrument :

MSVOA_Y

ClientSampleId :

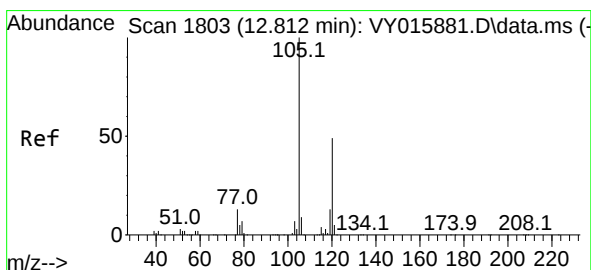
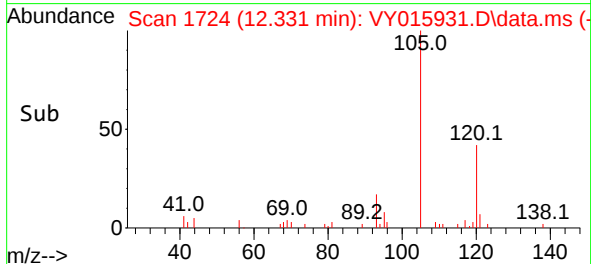
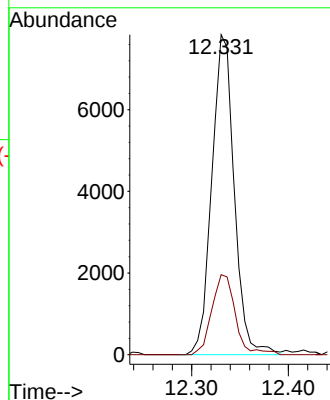
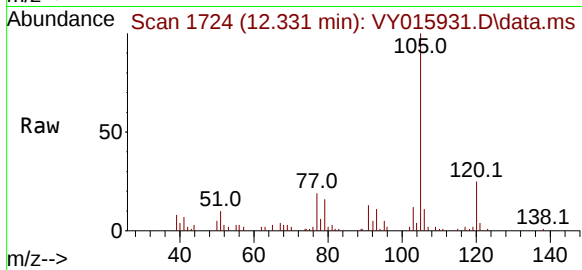
M-2(0-5)

Tgt Ion:105 Resp: 12627

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.9



#80

1,3,5-Trimethylbenzene

Concen: 3.925 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY015931.D

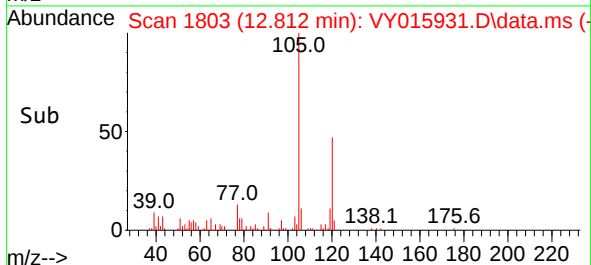
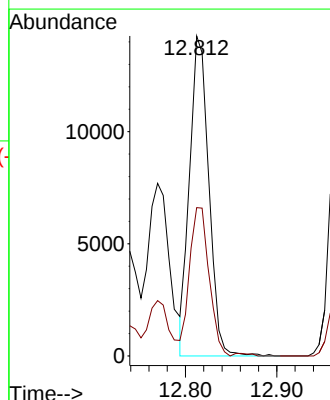
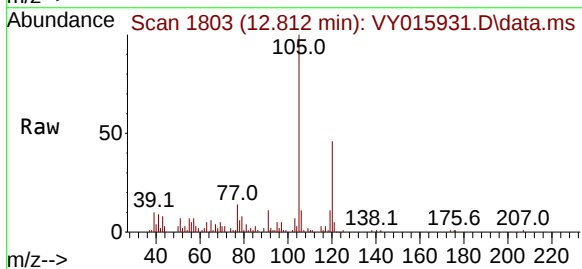
Acq: 11 Oct 2023 18:06

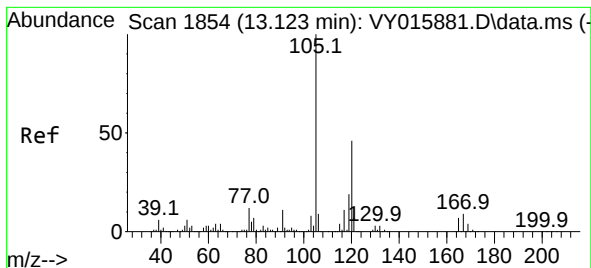
Tgt Ion:105 Resp: 20866

Ion Ratio Lower Upper

105 100

120 47.1 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 4.611 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY015931.D

Acq: 11 Oct 2023 18:06

Instrument :

MSVOA_Y

ClientSampleId :

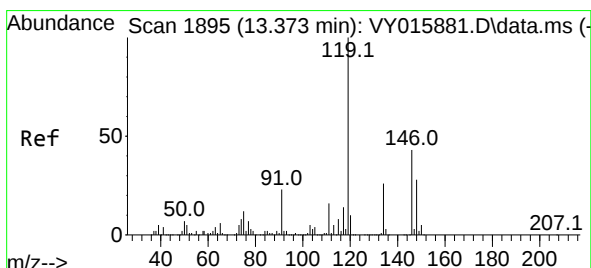
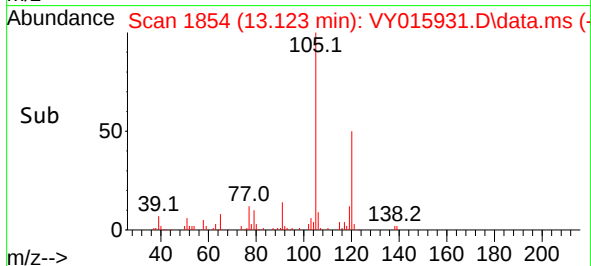
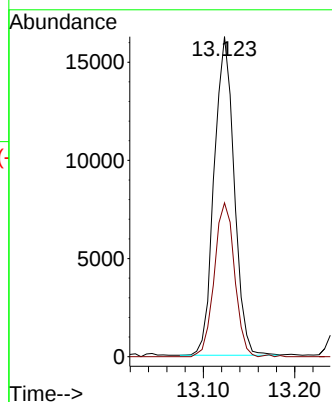
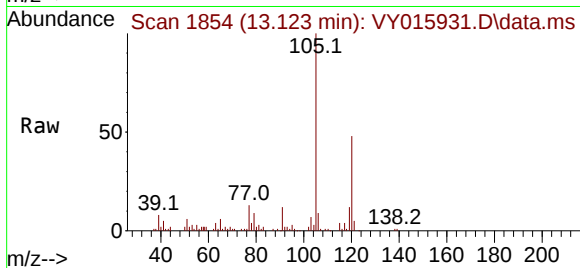
M-2(0-5)

Tgt Ion:105 Resp: 24688

Ion Ratio Lower Upper

105 100

120 48.8 22.2 66.6



#86

p-Isopropyltoluene

Concen: 1.990 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.000 min

Lab File: VY015931.D

Acq: 11 Oct 2023 18:06

Tgt Ion:119 Resp: 11977

Ion Ratio Lower Upper

119 100

134 25.4 13.3 39.8

91 29.3 12.4 37.4

