

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015934.D
 Acq On : 11 Oct 2023 19:16
 Operator : SY/MD
 Sample : 04805-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-1(0-5)

Quant Time: Oct 12 02:00:45 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)

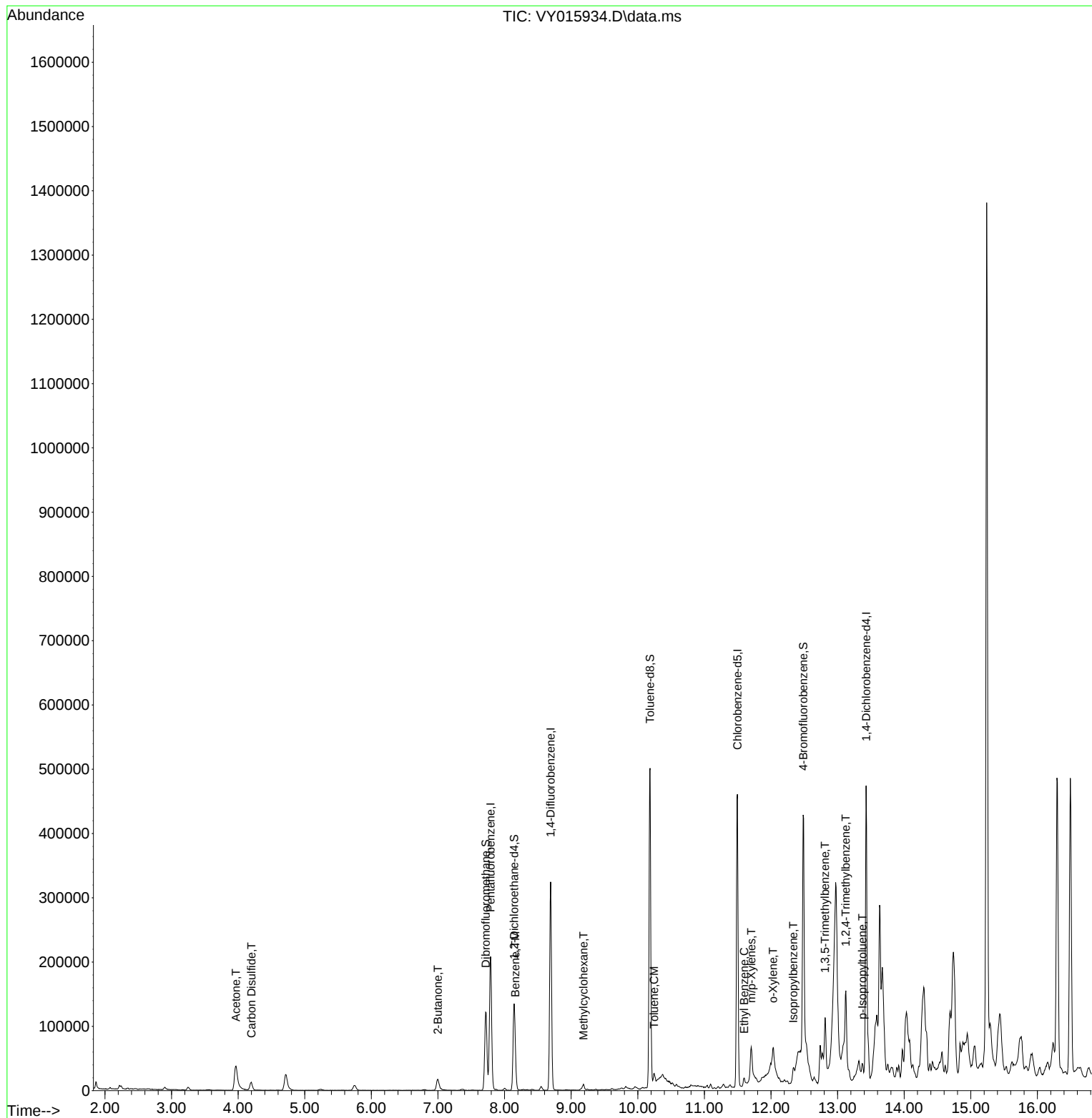
Internal Standards						
1) Pentafluorobenzene	7.789	168	164797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	282294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	258818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	116953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98634	66.517	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.040%	
35) Dibromofluoromethane	7.716	113	88542	56.232	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.460%	
50) Toluene-d8	10.185	98	331328	63.848	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 127.700%	
62) 4-Bromofluorobenzene	12.483	95	114371	54.262	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.520%	
Target Compounds						
					Qvalue	
16) Acetone	3.967	43	89028	130.977	ug/l	92
17) Carbon Disulfide	4.198	76	24840	19.222	ug/l	96
25) 2-Butanone	6.997	43	34061	41.873	ug/l	97
39) Methylcyclohexane	9.185	83	3632	2.050	ug/l	91
40) Benzene	8.161	78	19420	3.544	ug/l	97
52) Toluene	10.246	92	6456	1.775	ug/l	92
67) Ethyl Benzene	11.599	91	8272	1.068	ug/l	99
68) m/p-Xylenes	11.703	106	14742	5.051	ug/l	98
69) o-Xylene	12.032	106	7121	2.439	ug/l	98
73) Isopropylbenzene	12.337	105	8189	1.110	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	31228	5.136	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	49365	8.062	ug/l	97
86) p-Isopropyltoluene	13.373	119	9562	1.389	ug/l	98

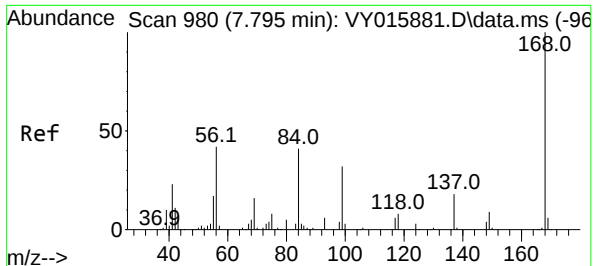
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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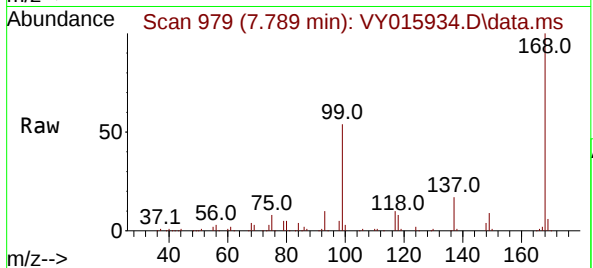
Quant Time: Oct 12 02:00:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 10 07:06:18 2023
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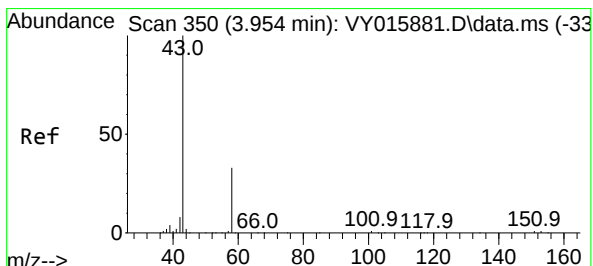
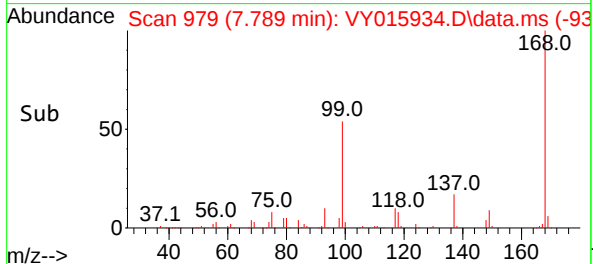
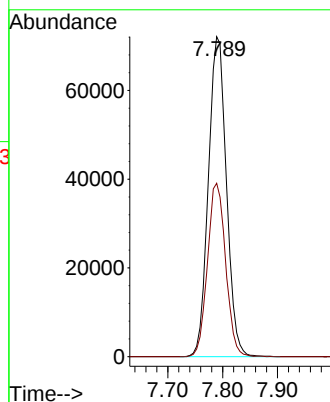


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Instrument :
MSVOA_Y
ClientSampleId :
B-1(0-5)

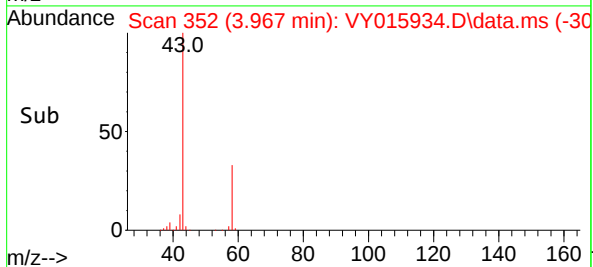
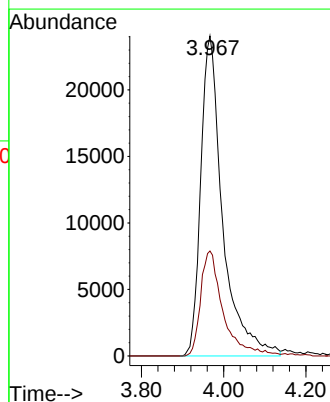
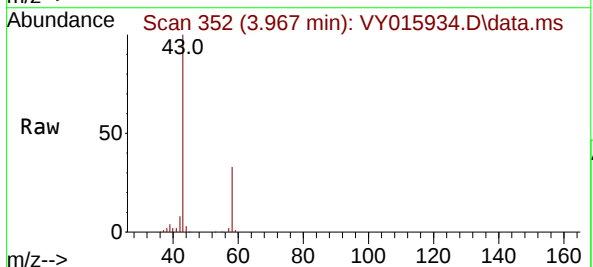


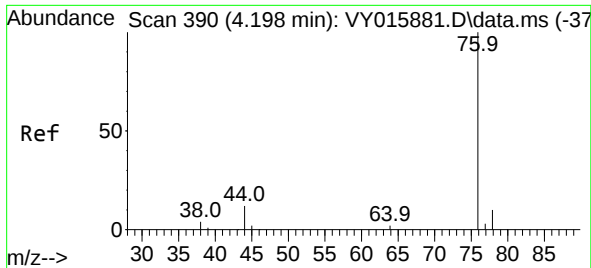
Tgt Ion:168 Resp: 164797
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#16
Acetone
Concen: 130.977 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.013 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 43 Resp: 89028
Ion Ratio Lower Upper
43 100
58 32.8 22.7 34.1

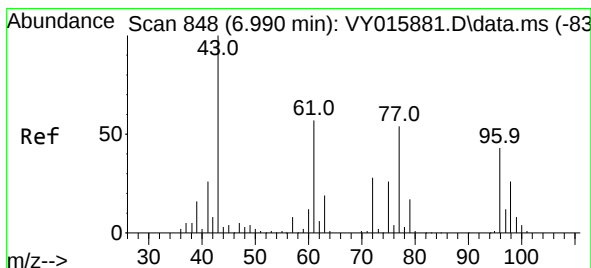
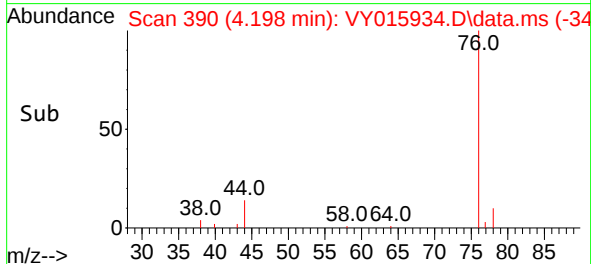
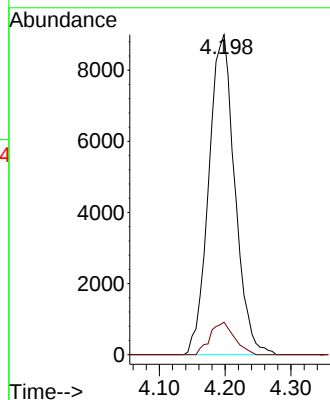
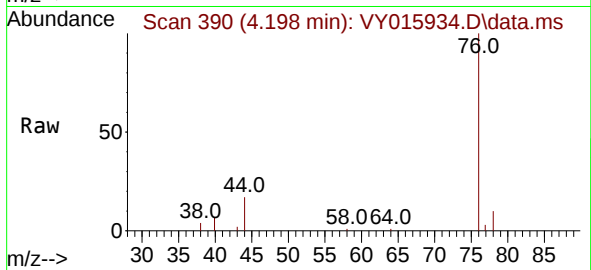




#17
Carbon Disulfide
Concen: 19.222 ug/l
RT: 4.198 min Scan# 390
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

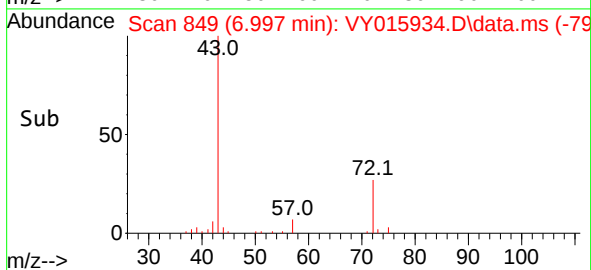
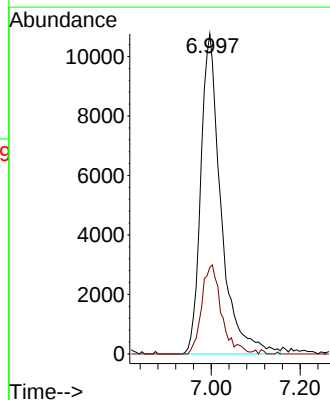
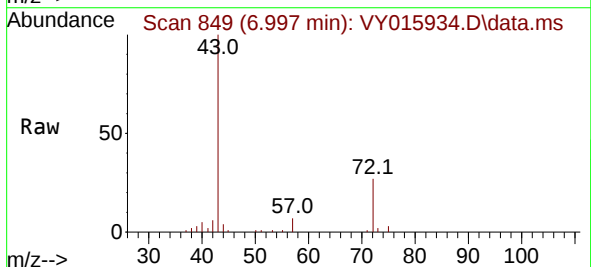
Instrument :
MSVOA_Y
ClientSampleId :
B-1(0-5)

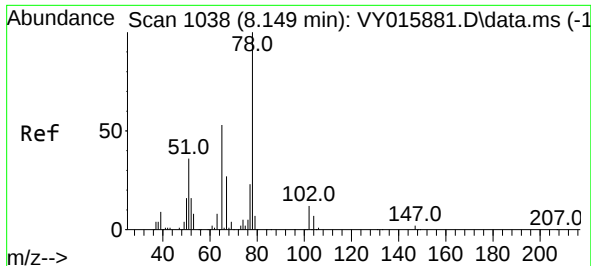
Tgt Ion: 76 Resp: 24840
Ion Ratio Lower Upper
76 100
78 10.1 7.0 10.4



#25
2-Butanone
Concen: 41.873 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 43 Resp: 34061
Ion Ratio Lower Upper
43 100
72 27.0 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 66.517 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

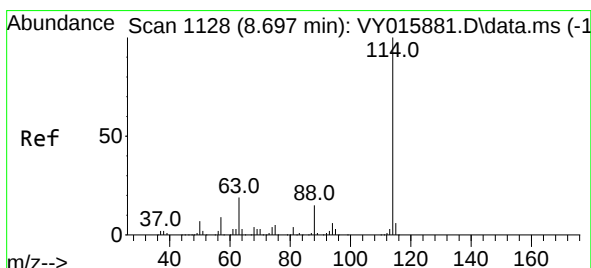
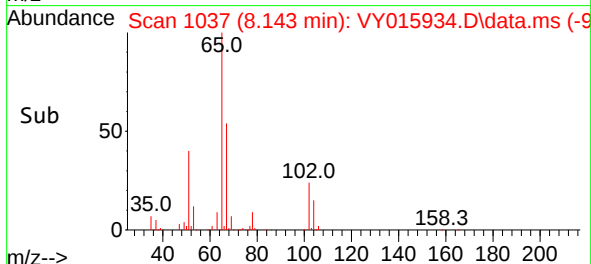
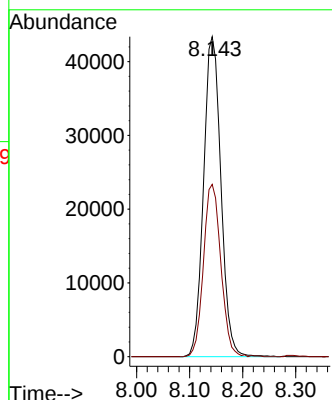
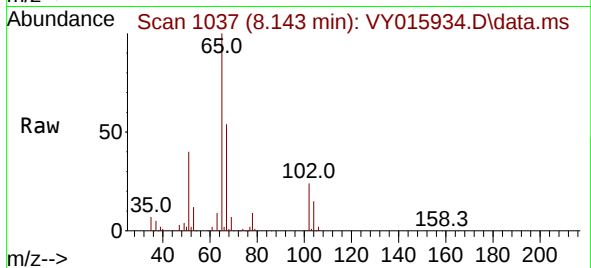
B-1(0-5)

Tgt Ion: 65 Resp: 98634

Ion Ratio Lower Upper

65 100

67 53.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

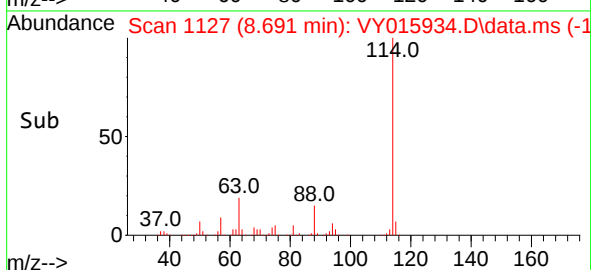
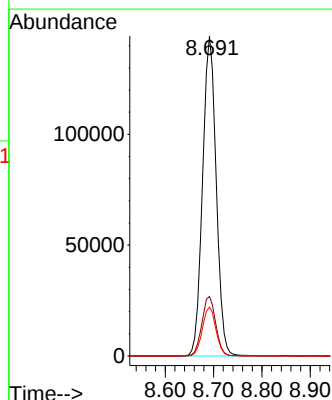
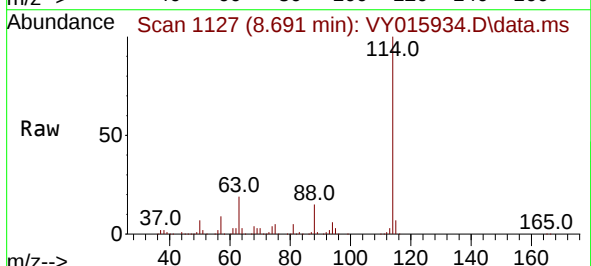
Tgt Ion: 114 Resp: 282294

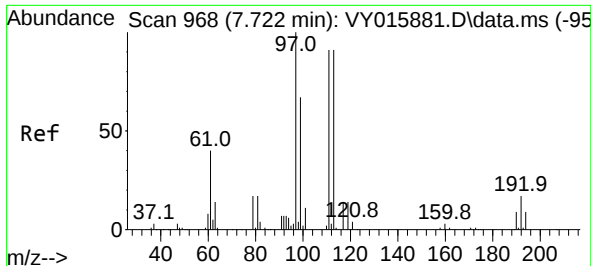
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.2 0.0 30.6

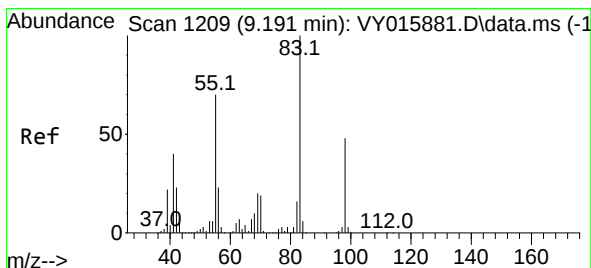
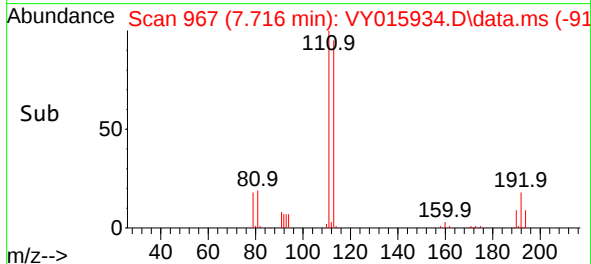
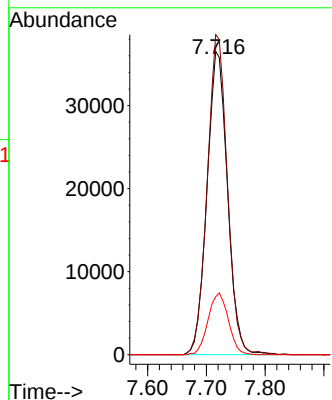
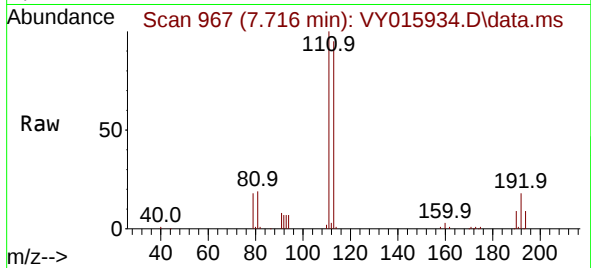




#35
Dibromofluoromethane
Concen: 56.232 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

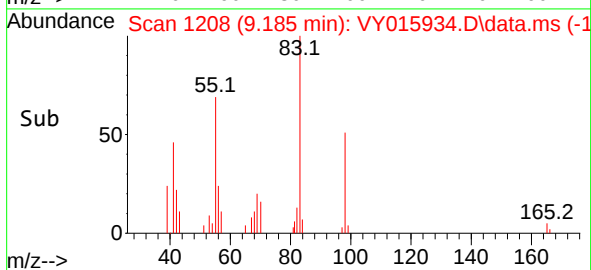
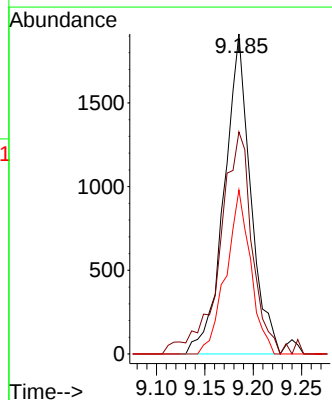
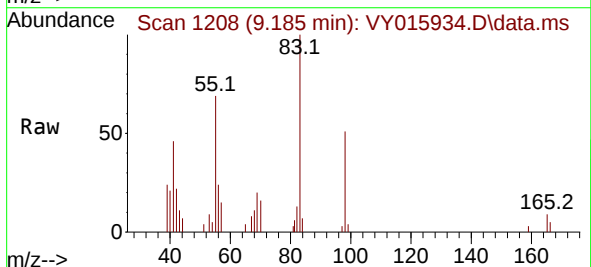
Instrument :
MSVOA_Y
ClientSampleId :
B-1(0-5)

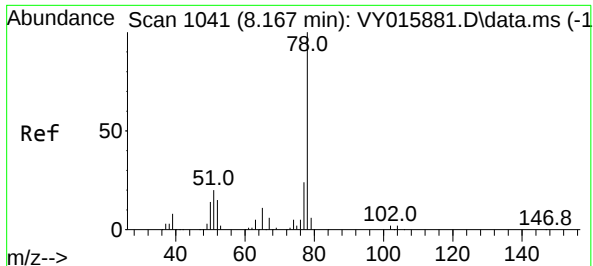
Tgt Ion:113 Resp: 88542
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 20.1 16.9 25.3



#39
Methylcyclohexane
Concen: 2.050 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 83 Resp: 3632
Ion Ratio Lower Upper
83 100
55 69.4 63.0 94.4
98 51.3 37.4 56.2

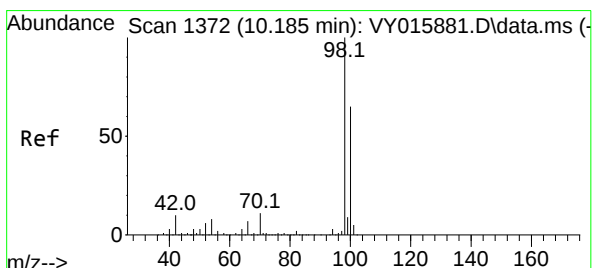
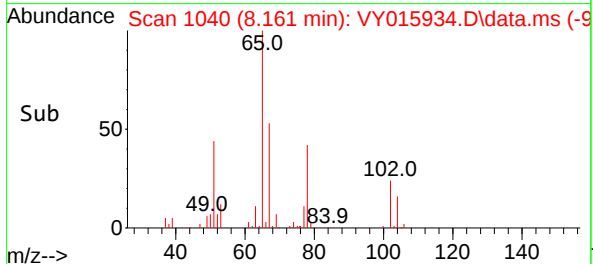
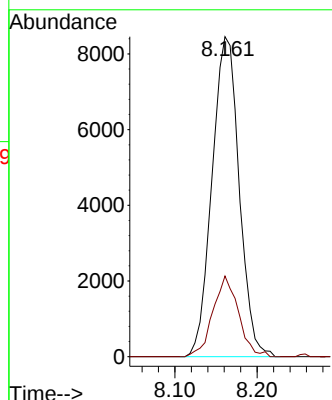
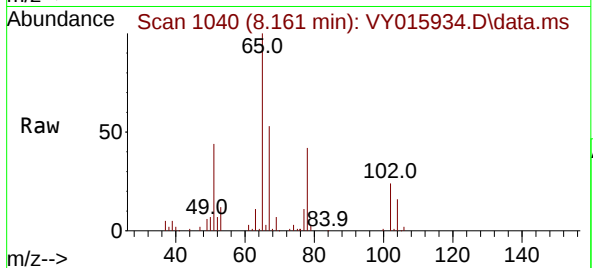




#40
Benzene
Concen: 3.544 ug/l
RT: 8.161 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

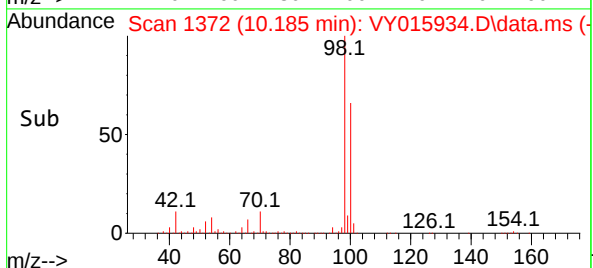
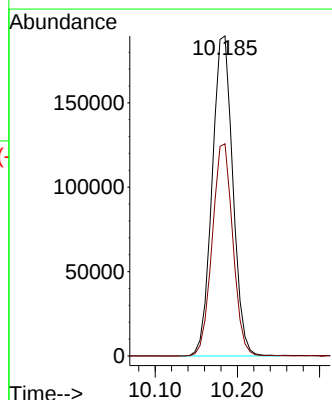
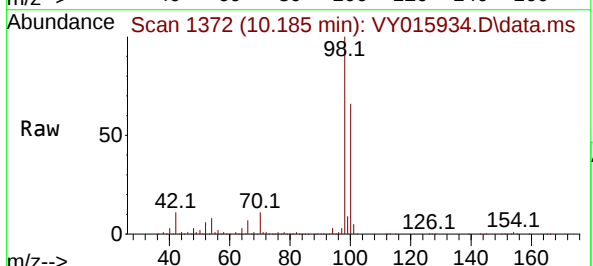
Instrument :
MSVOA_Y
ClientSampleId :
B-1(0-5)

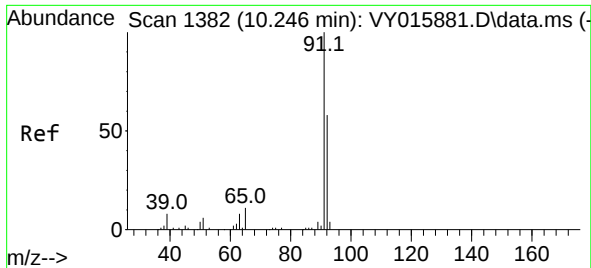
Tgt Ion: 78 Resp: 19420
Ion Ratio Lower Upper
78 100
77 25.2 19.0 28.6



#50
Toluene-d8
Concen: 63.848 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 98 Resp: 331328
Ion Ratio Lower Upper
98 100
100 66.1 50.1 75.1

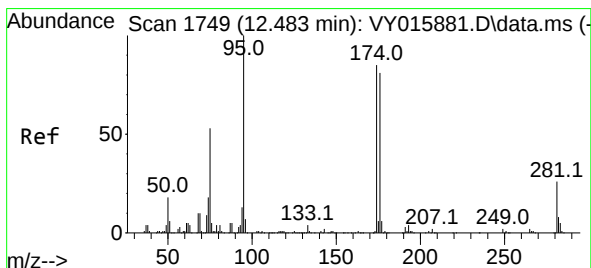
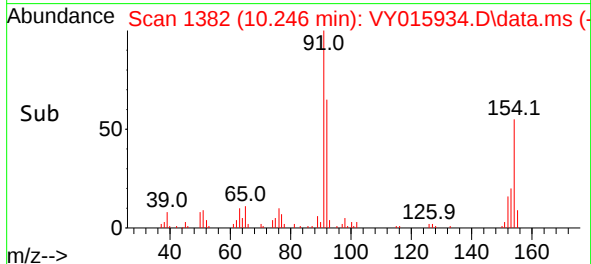
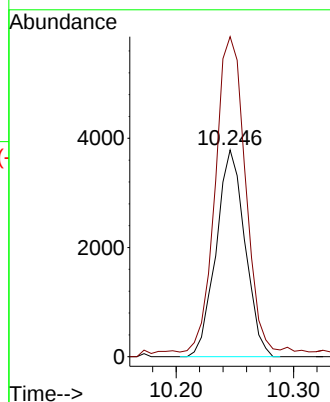
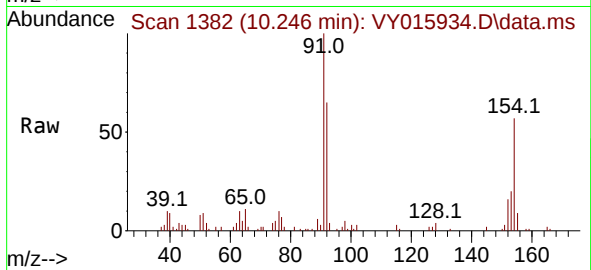




#52
Toluene
Concen: 1.775 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

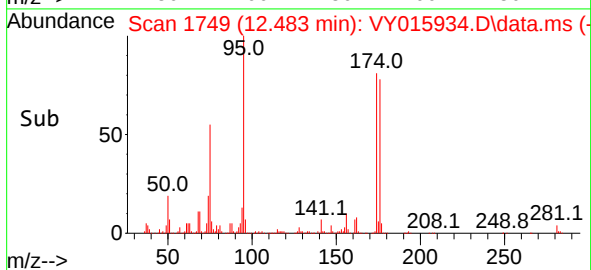
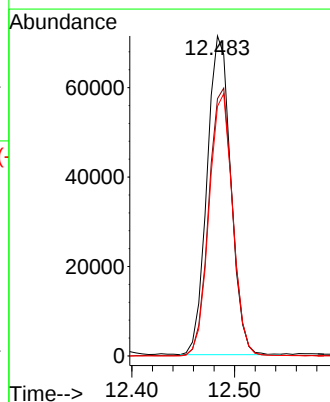
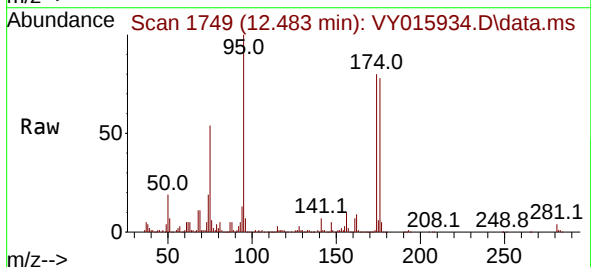
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B-1(0-5)

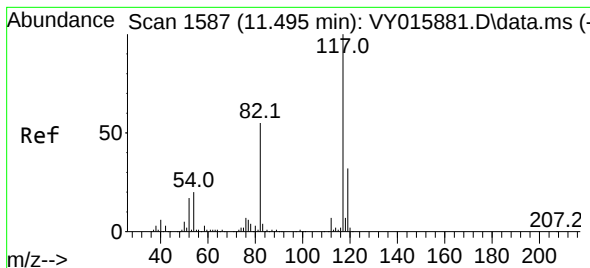
Tgt Ion: 92 Resp: 6456
Ion Ratio Lower Upper
92 100
91 167.8 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 54.262 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 95 Resp: 114371
Ion Ratio Lower Upper
95 100
174 83.9 0.0 178.2
176 81.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

B-1(0-5)

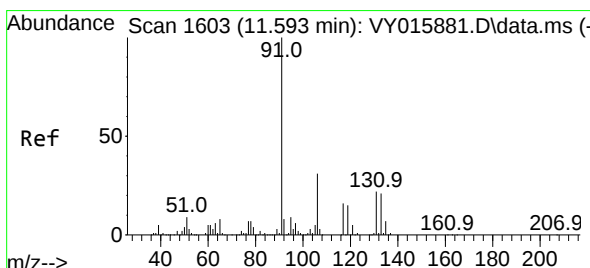
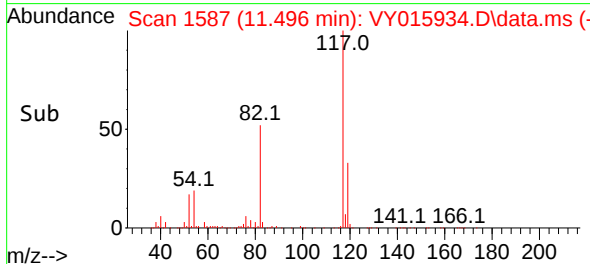
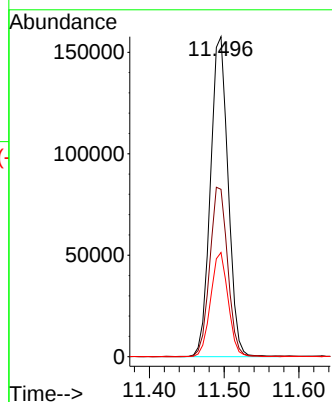
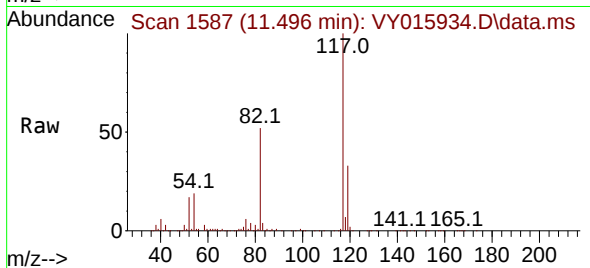
Tgt Ion:117 Resp: 258818

Ion Ratio Lower Upper

117 100

82 52.2 43.4 65.0

119 32.5 26.3 39.5



#67

Ethyl Benzene

Concen: 1.068 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY015934.D

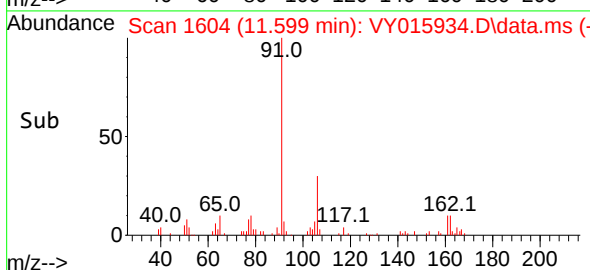
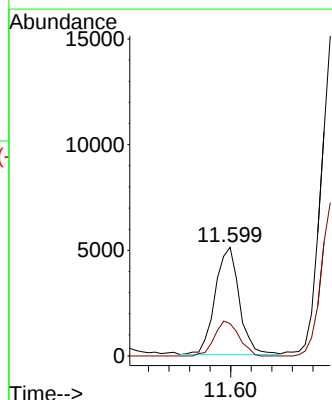
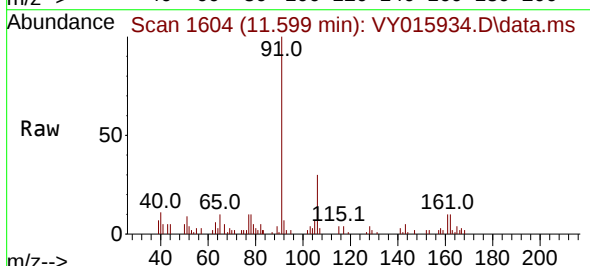
Acq: 11 Oct 2023 19:16

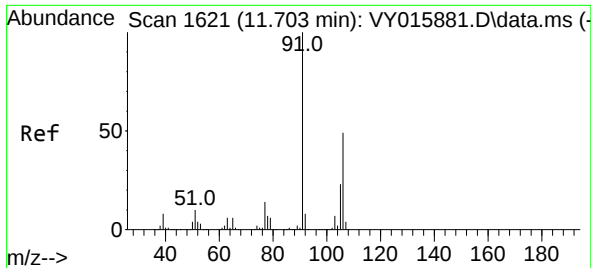
Tgt Ion: 91 Resp: 8272

Ion Ratio Lower Upper

91 100

106 30.2 24.6 36.8

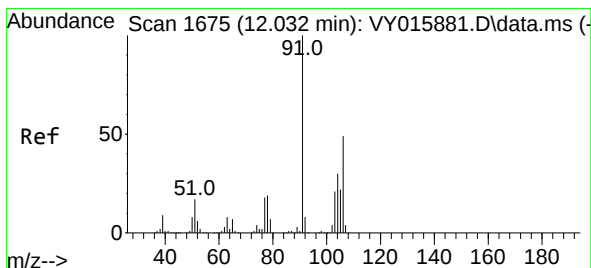
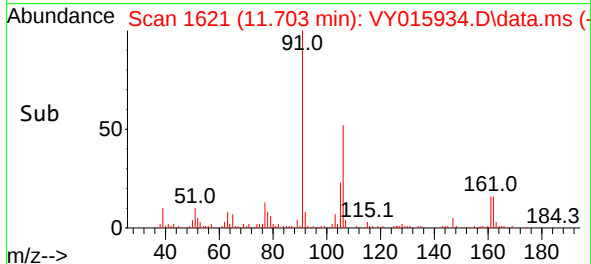
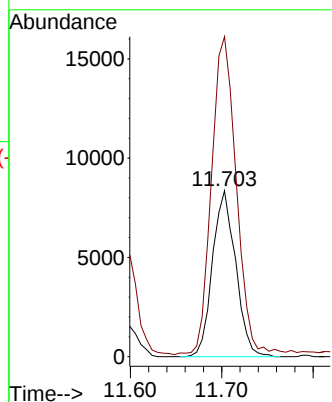
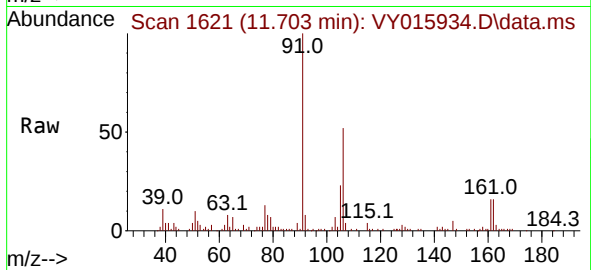




#68
m/p-Xylenes
Concen: 5.051 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

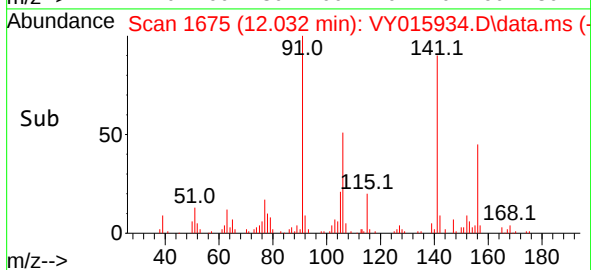
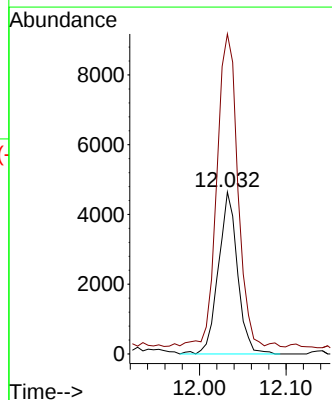
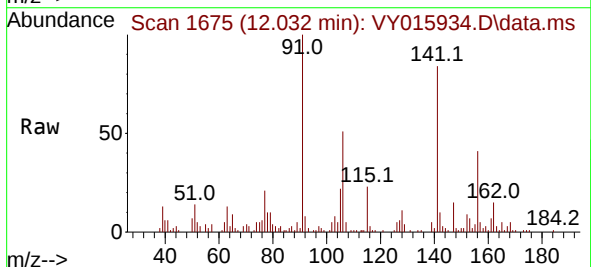
Instrument :
MSVOA_Y
ClientSampleId :
B-1(0-5)

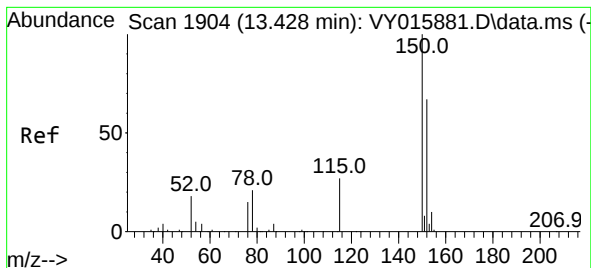
Tgt Ion:106 Resp: 14742
Ion Ratio Lower Upper
106 100
91 204.3 166.1 249.1



#69
o-Xylene
Concen: 2.439 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY015934.D
Acq: 11 Oct 2023 19:16

Tgt Ion:106 Resp: 7121
Ion Ratio Lower Upper
106 100
91 212.5 108.1 324.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY015934.D

Acq: 11 Oct 2023 19:16

Instrument :

MSVOA_Y

ClientSampleId :

B-1(0-5)

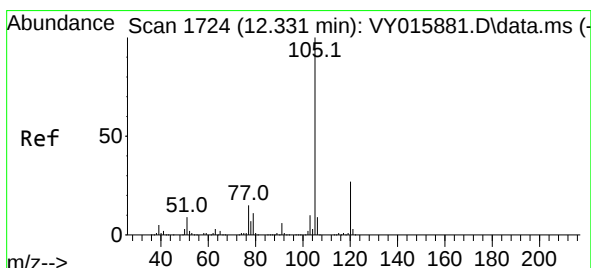
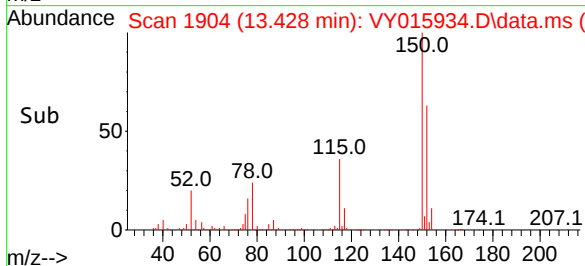
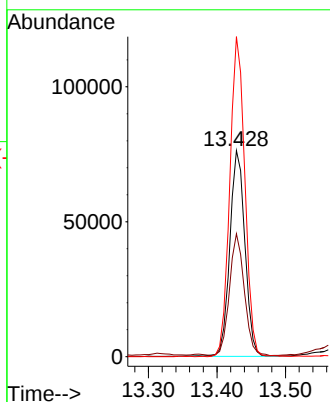
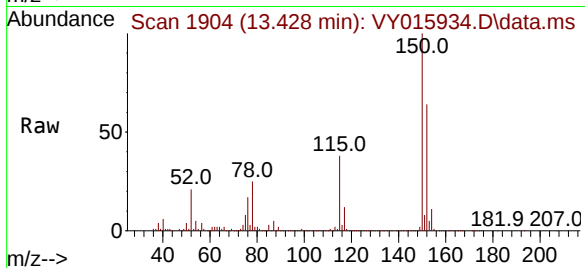
Tgt Ion:152 Resp: 116953

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 155.0 0.0 348.8



#73

Isopropylbenzene

Concen: 1.110 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY015934.D

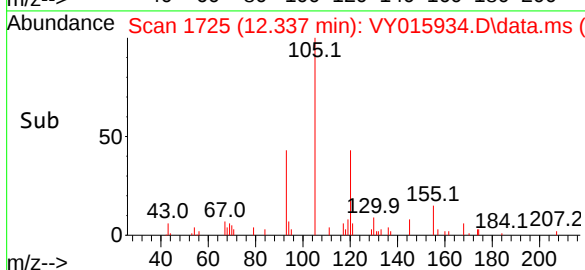
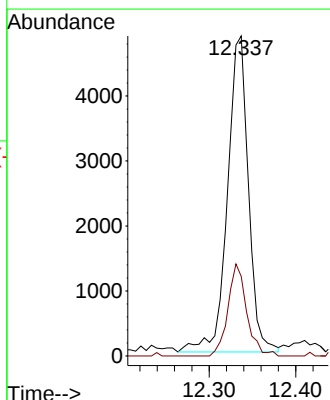
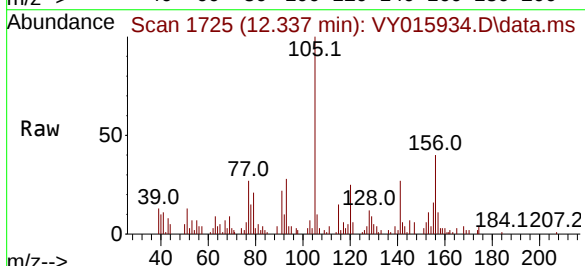
Acq: 11 Oct 2023 19:16

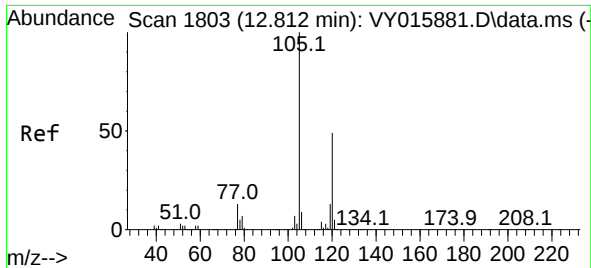
Tgt Ion:105 Resp: 8189

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.9

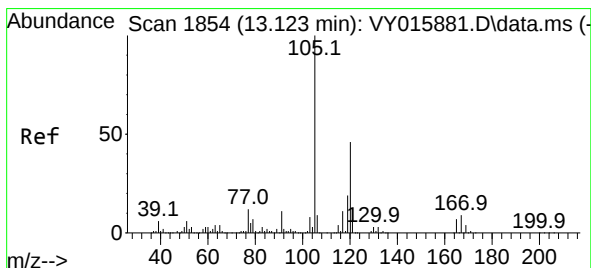
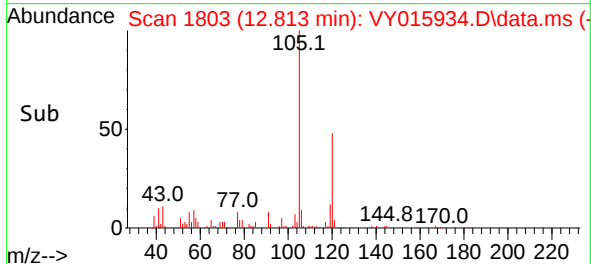
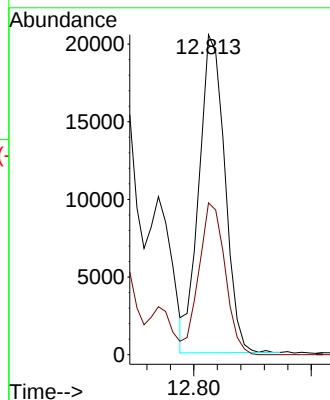
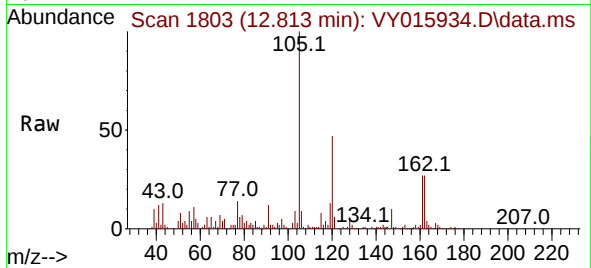




#80
 1,3,5-Trimethylbenzene
 Concen: 5.136 ug/l
 RT: 12.813 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VY015934.D
 Acq: 11 Oct 2023 19:16

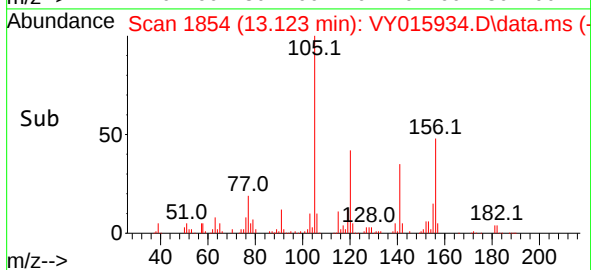
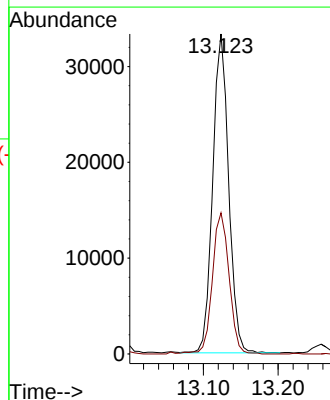
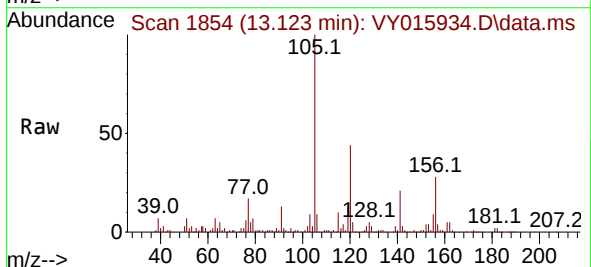
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-1(0-5)

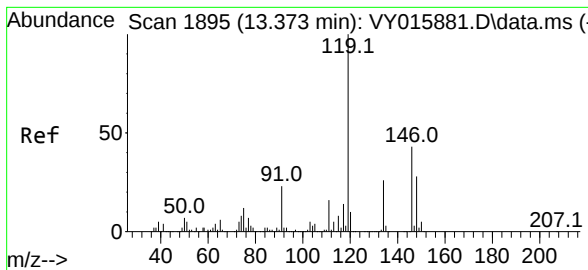
Tgt Ion:105 Resp: 31228
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.9 71.7



#84
 1,2,4-Trimethylbenzene
 Concen: 8.062 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY015934.D
 Acq: 11 Oct 2023 19:16

Tgt Ion:105 Resp: 49365
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.2 66.6





#86
 p-Isopropyltoluene
 Concen: 1.389 ug/l
 RT: 13.373 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY015934.D
 Acq: 11 Oct 2023 19:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-1(0-5)

Tgt Ion:	119	Resp:	9562
Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.3	39.8
91	23.8	12.4	37.4

