

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015833.D
 Acq On : 04 Oct 2023 17:24
 Operator : SY/MD
 Sample : 04693-02
 Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Oct 05 06:56:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

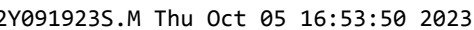
Internal Standards						
1) Pentafluorobenzene	7.783	168	235779	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	410528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	359093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	148237	50.000	ug/l	0.00

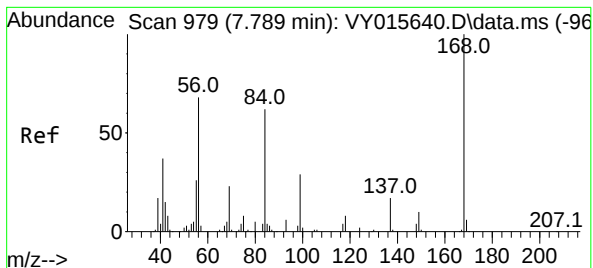
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	148532	57.255	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.500%	
35) Dibromofluoromethane	7.710	113	128863	52.444	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.880%	
50) Toluene-d8	10.179	98	481679	57.816	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.640%	
62) 4-Bromofluorobenzene	12.477	95	152814	46.739	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.480%	

Target Compounds				Qvalue		
16) Acetone	3.954	43	52688	37.951	ug/l	94
17) Carbon Disulfide	4.186	76	34396	8.536	ug/l	97
20) Methylene Chloride	4.710	84	28558	5.041	ug/l	89
25) 2-Butanone	6.990	43	19444	9.909	ug/l	96
31) Cyclohexane	7.783	56	10722	2.983	ug/l #	27
39) Methylcyclohexane	9.179	83	17627	4.387	ug/l	93
40) Benzene	8.155	78	178181	16.082	ug/l	99
52) Toluene	10.240	92	99068	13.870	ug/l	95
67) Ethyl Benzene	11.593	91	21688	1.583	ug/l	93
68) m/p-Xylenes	11.697	106	30922	5.938	ug/l	93
69) o-Xylene	12.026	106	14679	2.875	ug/l	96
70) Styrene	12.044	104	22750	2.603	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	13072	1.404	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	26401	2.834	ug/l	99

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

Quant Time: Oct 05 06:56:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 20 01:39:40 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY015833.D

Acq: 04 Oct 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

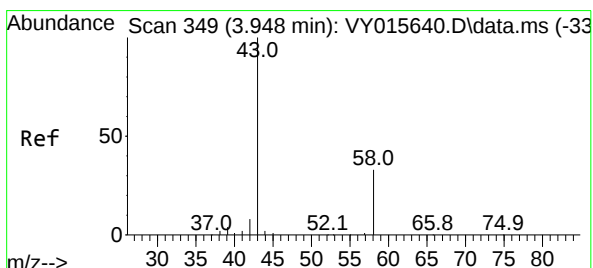
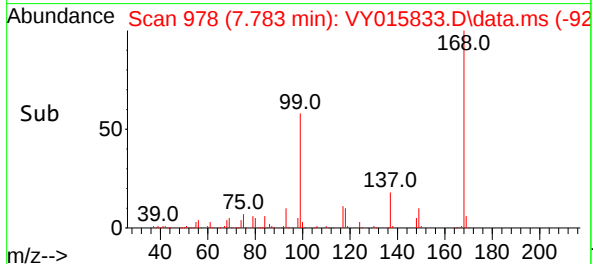
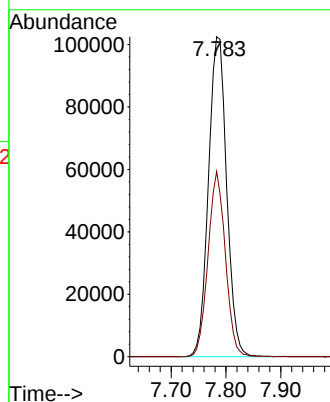
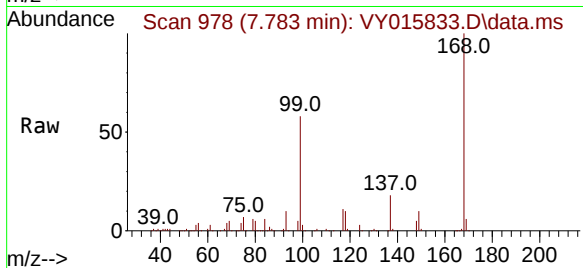
S-1(0-5)

Tgt Ion:168 Resp: 235779

Ion Ratio Lower Upper

168 100

99 57.8 43.4 65.0



#16

Acetone

Concen: 37.951 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.012 min

Lab File: VY015833.D

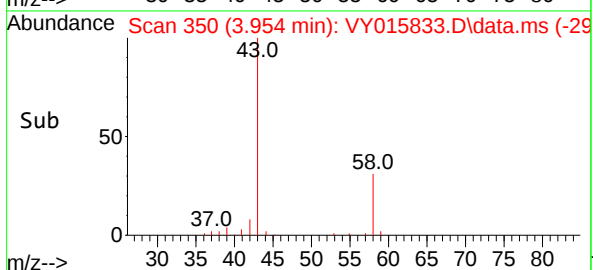
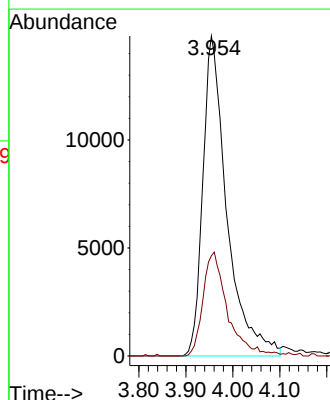
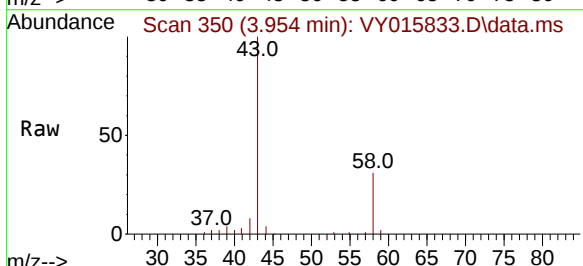
Acq: 04 Oct 2023 17:24

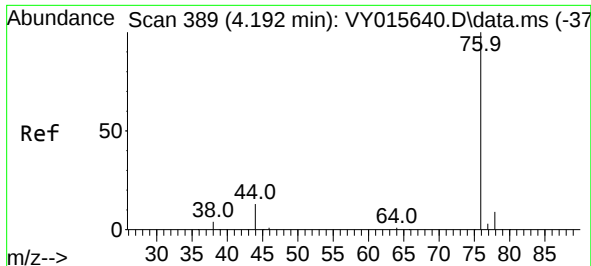
Tgt Ion: 43 Resp: 52688

Ion Ratio Lower Upper

43 100

58 31.3 22.7 34.1

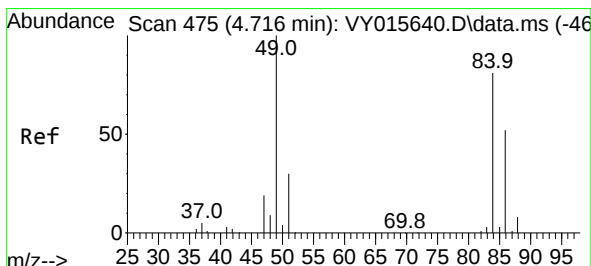
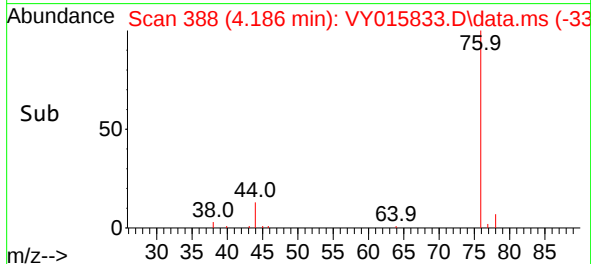
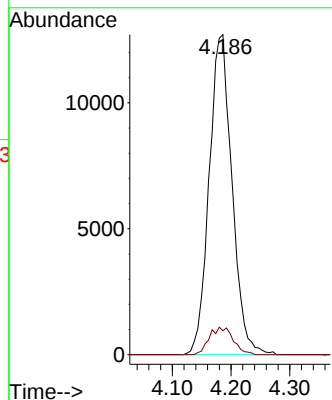
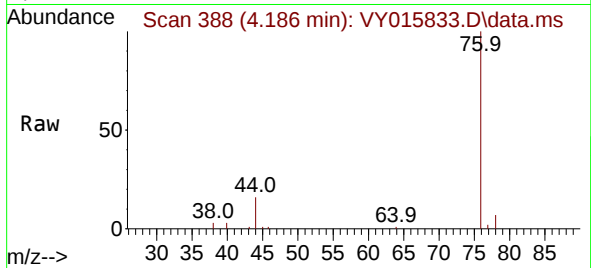




#17
Carbon Disulfide
Concen: 8.536 ug/l
RT: 4.186 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

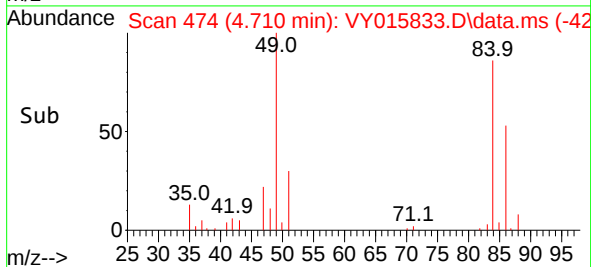
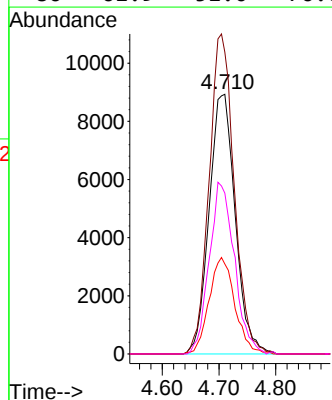
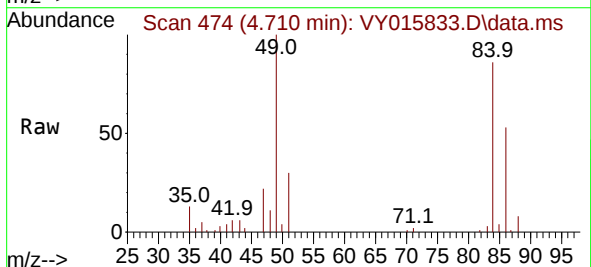
Instrument :
MSVOA_Y
ClientSampleId :
S-1(0-5)

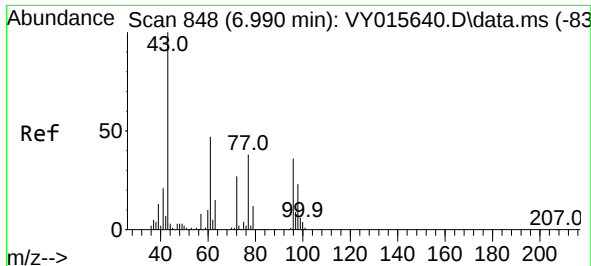
Tgt Ion: 76 Resp: 34396
Ion Ratio Lower Upper
76 100
78 7.5 7.0 10.4



#20
Methylene Chloride
Concen: 5.041 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

Tgt Ion: 84 Resp: 28558
Ion Ratio Lower Upper
84 100
49 116.2 106.9 160.3
51 34.6 33.2 49.8
86 61.9 51.0 76.6

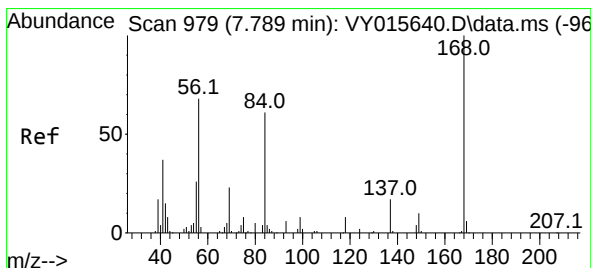
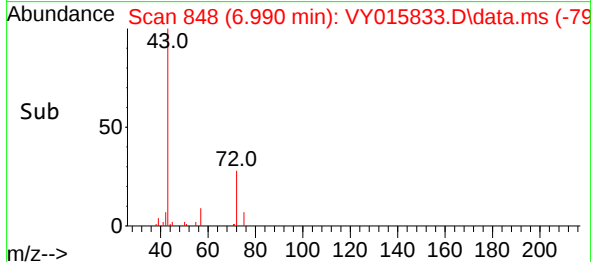
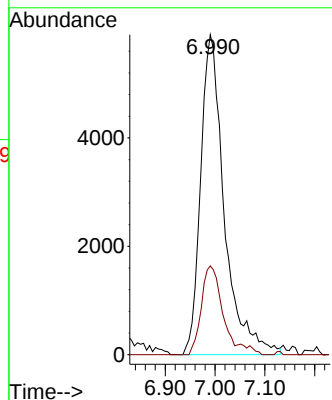
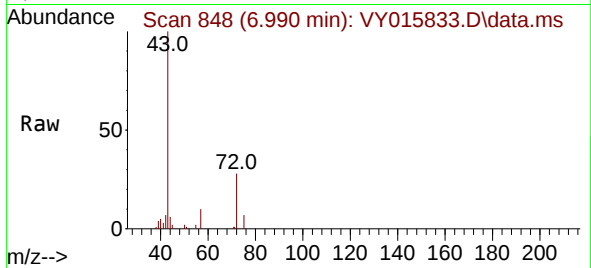




#25
2-Butanone
Concen: 9.909 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

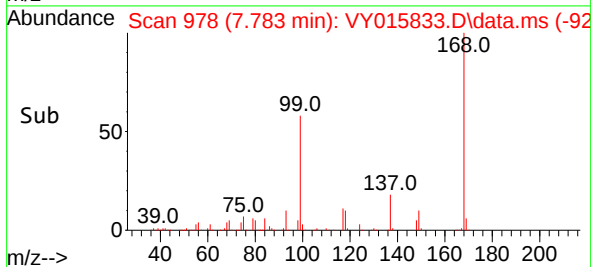
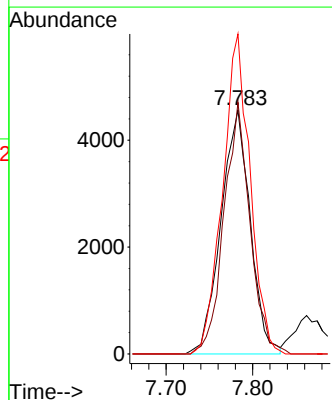
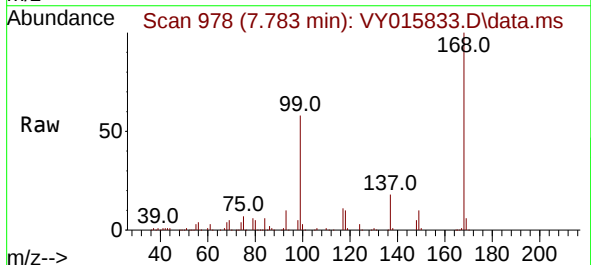
Instrument :
MSVOA_Y
ClientSampleId :
S-1(0-5)

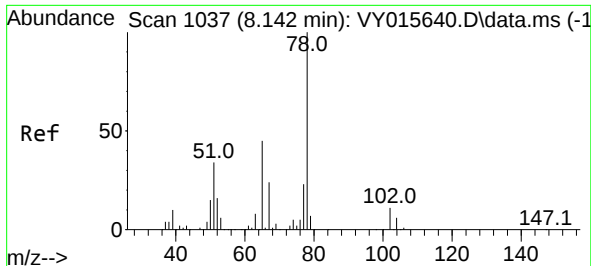
Tgt Ion: 43 Resp: 19444
Ion Ratio Lower Upper
43 100
72 27.8 20.5 30.7



#31
Cyclohexane
Concen: 2.983 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

Tgt Ion: 56 Resp: 10722
Ion Ratio Lower Upper
56 100
69 103.2 27.8 41.6#
84 131.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.255 ug/l

RT: 8.137 min Scan# 110

Delta R.T. 0.001 min

Lab File: VY015833.D

Acq: 04 Oct 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

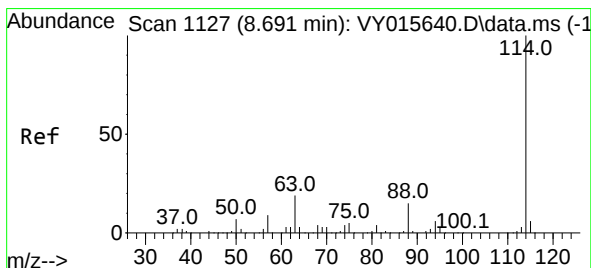
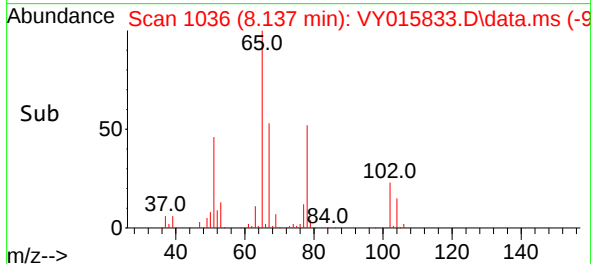
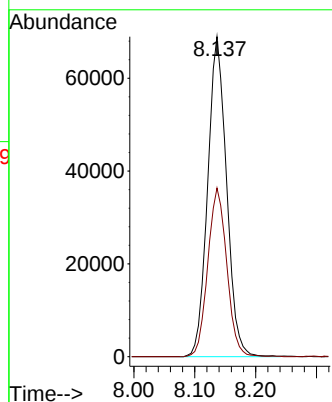
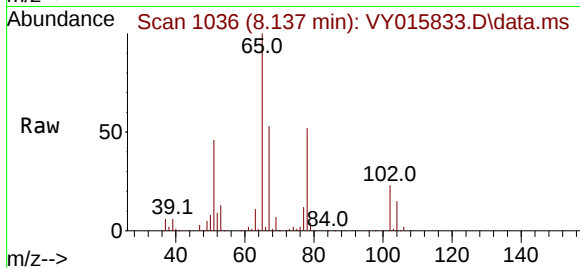
S-1(0-5)

Tgt Ion: 65 Resp: 148532

Ion Ratio Lower Upper

65 100

67 53.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015833.D

Acq: 04 Oct 2023 17:24

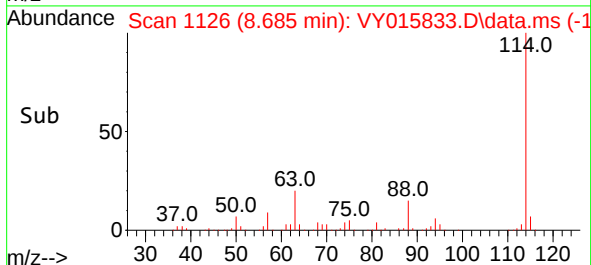
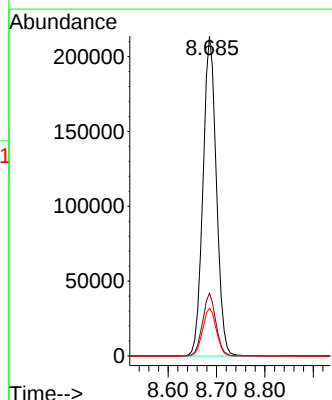
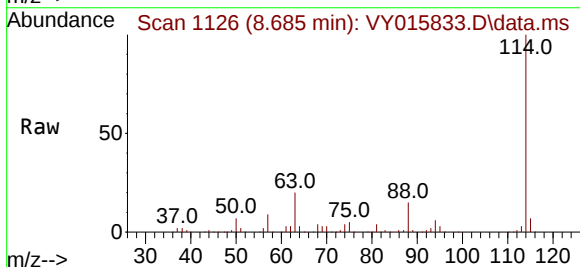
Tgt Ion: 114 Resp: 410528

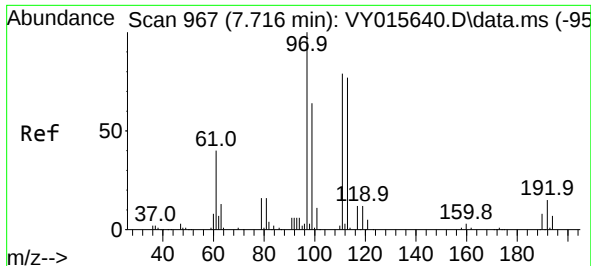
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.9 0.0 30.6

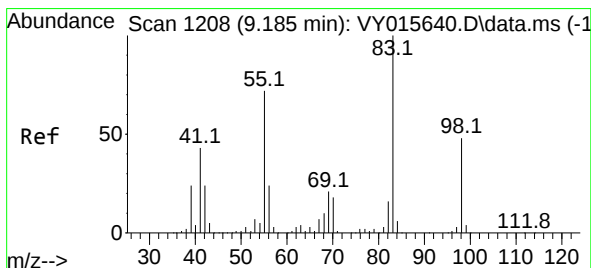
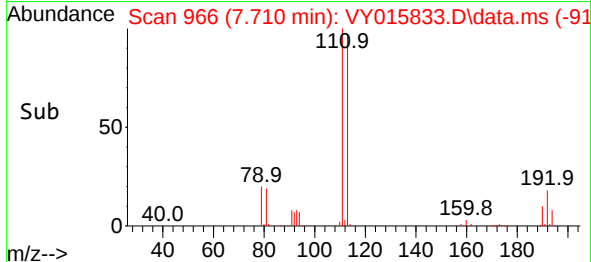
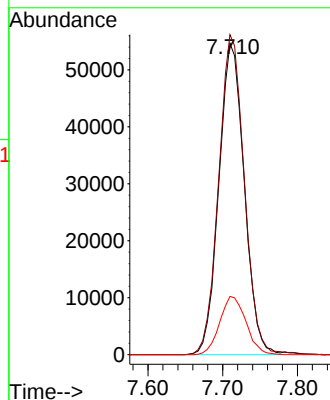
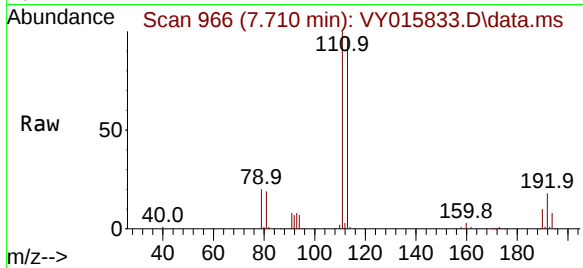




#35
Dibromofluoromethane
Concen: 52.444 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

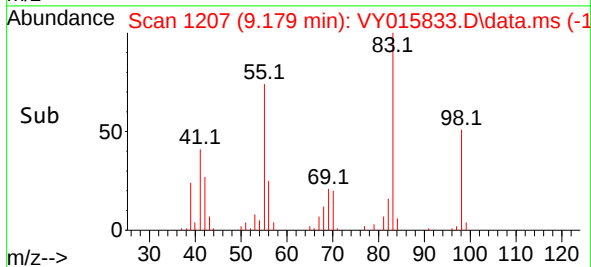
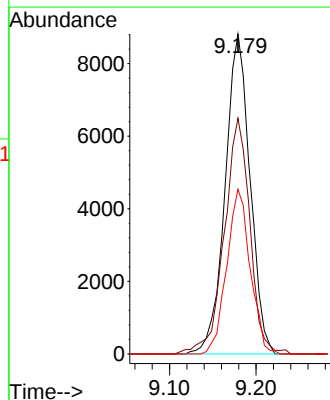
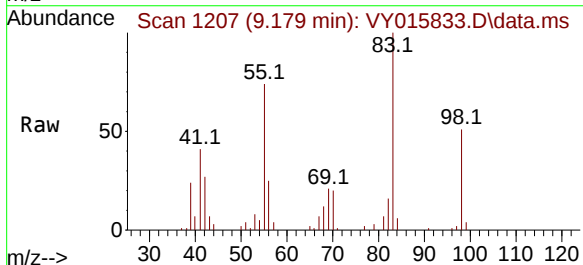
Instrument :
MSVOA_Y
ClientSampleId :
S-1(0-5)

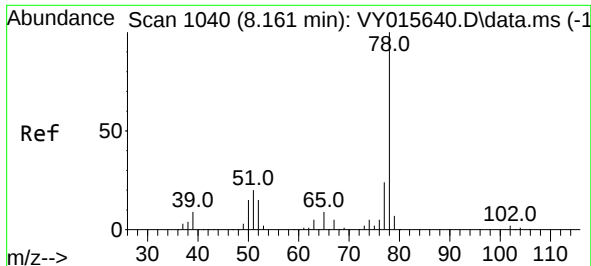
Tgt Ion:113 Resp: 128863
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.4 16.9 25.3



#39
Methylcyclohexane
Concen: 4.387 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

Tgt Ion: 83 Resp: 17627
Ion Ratio Lower Upper
83 100
55 73.0 63.0 94.4
98 51.5 37.4 56.2

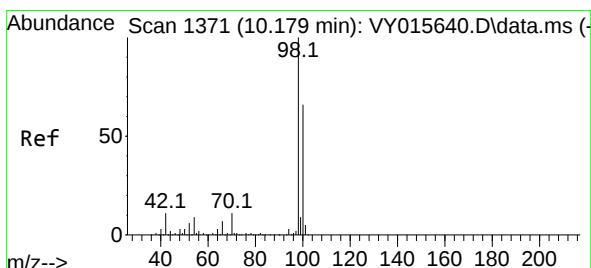
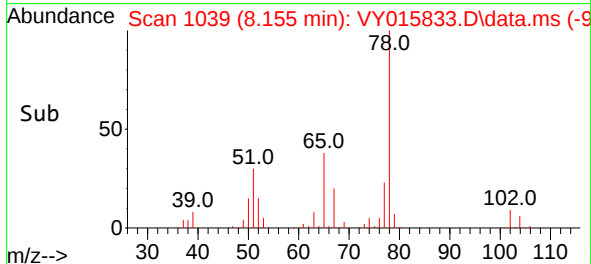
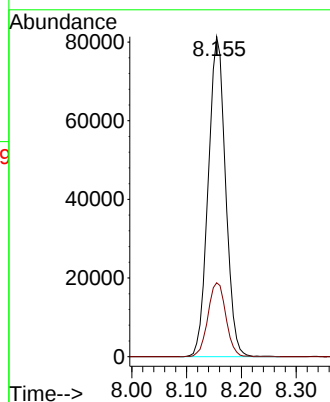
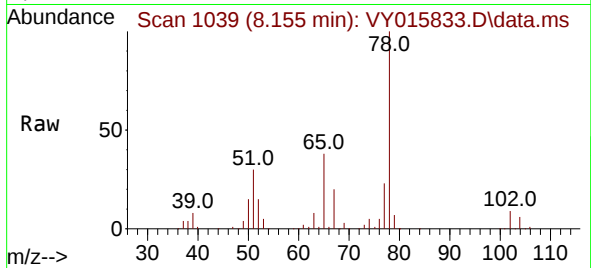




#40
Benzene
Concen: 16.082 ug/l
RT: 8.155 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

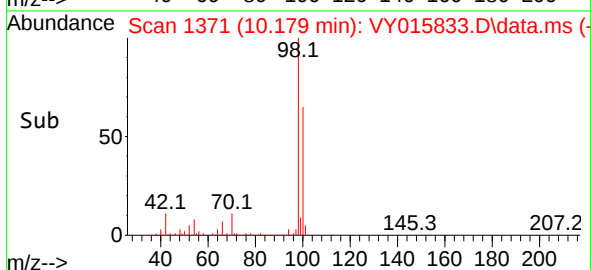
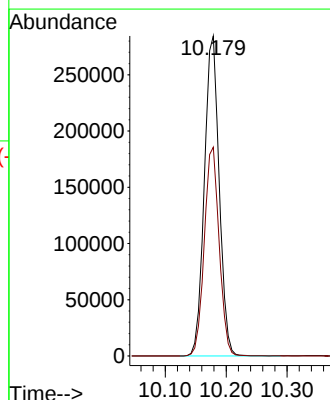
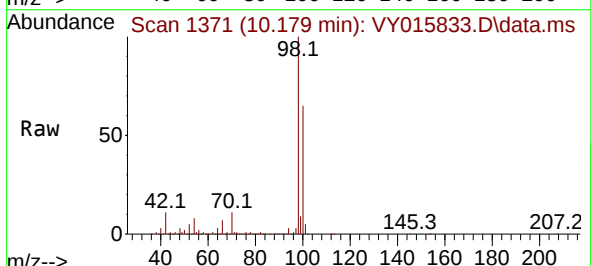
Instrument :
MSVOA_Y
ClientSampleId :
S-1(0-5)

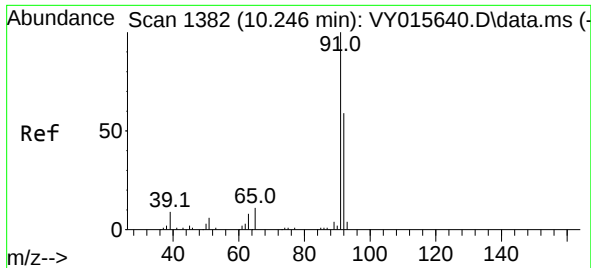
Tgt Ion: 78 Resp: 178181
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.6



#50
Toluene-d8
Concen: 57.816 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

Tgt Ion: 98 Resp: 481679
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1

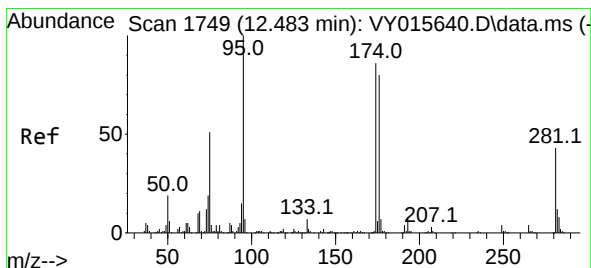
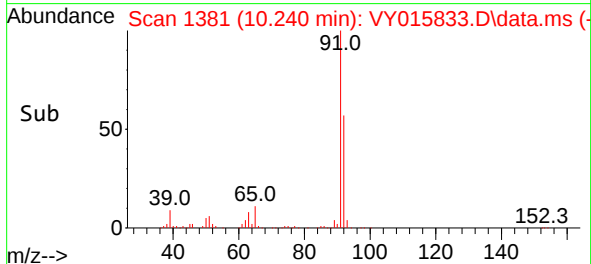
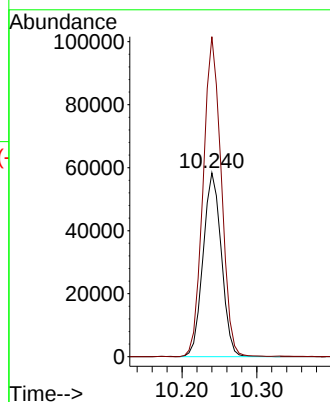
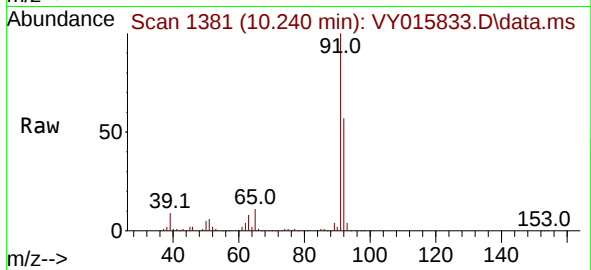




#52
Toluene
Concen: 13.870 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

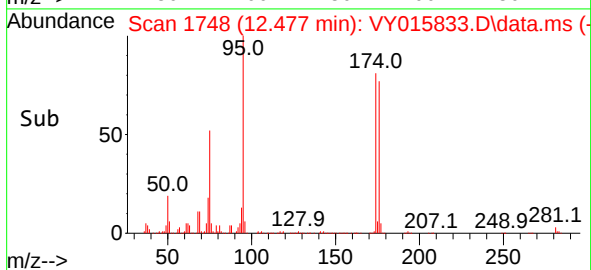
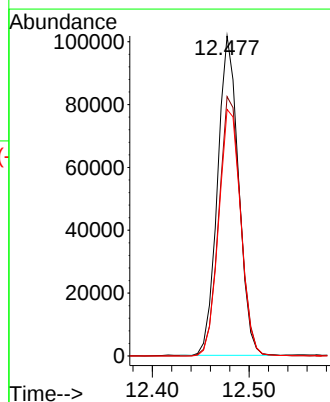
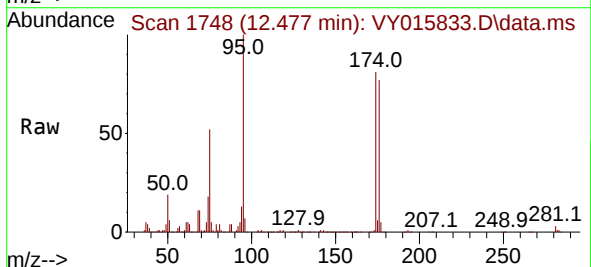
Instrument :
MSVOA_Y
ClientSampleId :
S-1(0-5)

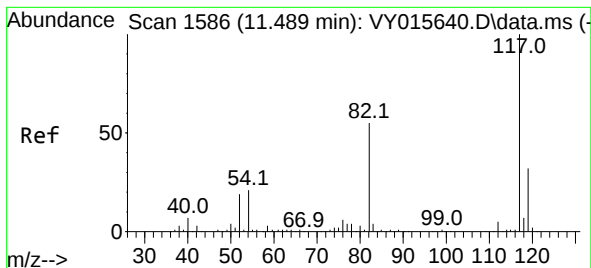
Tgt Ion: 92 Resp: 99068
Ion Ratio Lower Upper
92 100
91 172.7 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 46.739 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

Tgt Ion: 95 Resp: 152814
Ion Ratio Lower Upper
95 100
174 84.3 0.0 178.2
176 81.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY015833.D

Acq: 04 Oct 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

S-1(0-5)

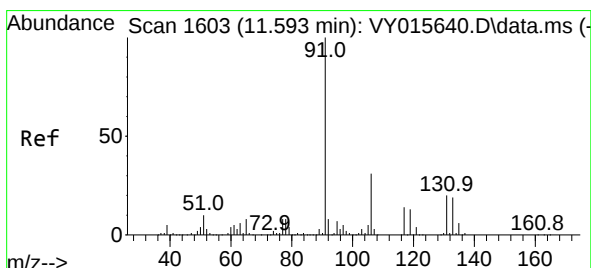
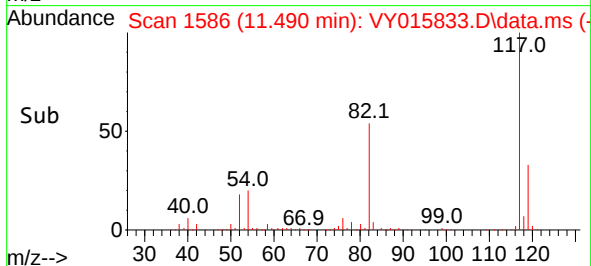
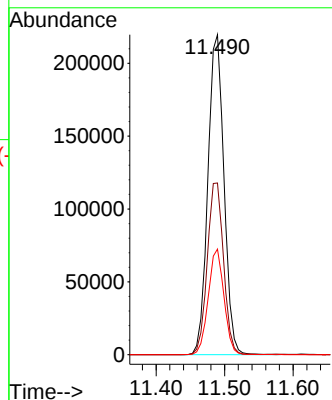
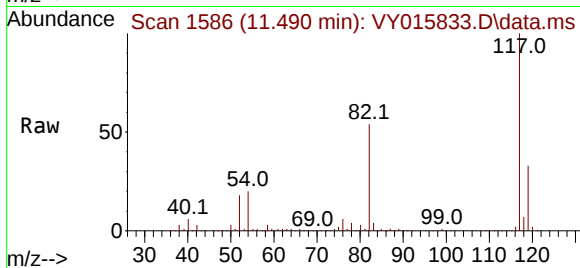
Tgt Ion:117 Resp: 359093

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

119 33.0 26.3 39.5



#67

Ethyl Benzene

Concen: 1.583 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015833.D

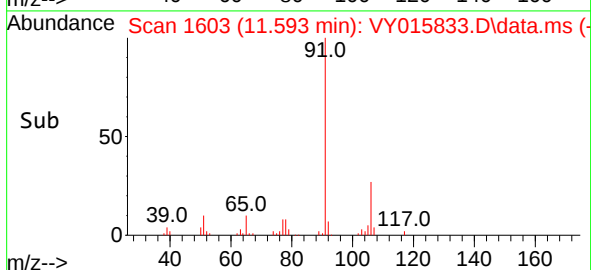
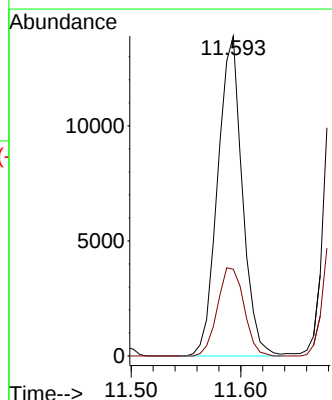
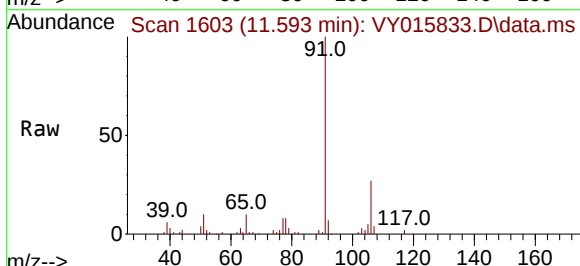
Acq: 04 Oct 2023 17:24

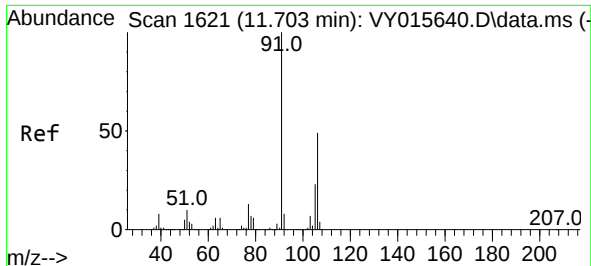
Tgt Ion: 91 Resp: 21688

Ion Ratio Lower Upper

91 100

106 27.1 24.6 36.8

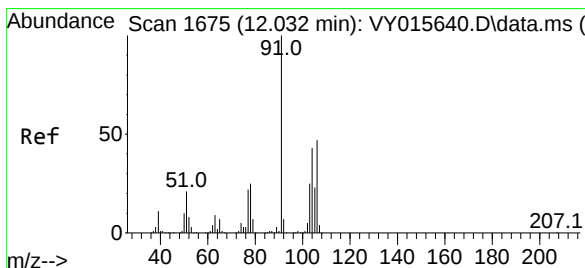
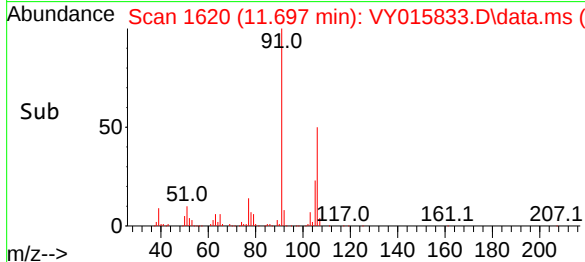
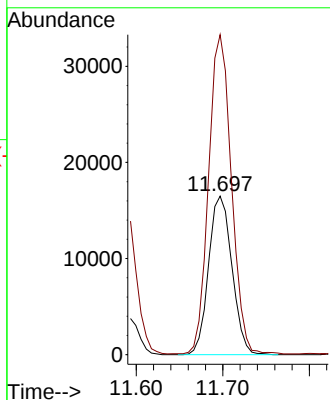
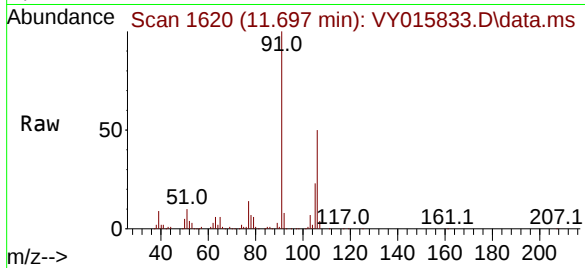




#68
m/p-Xylenes
Concen: 5.938 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

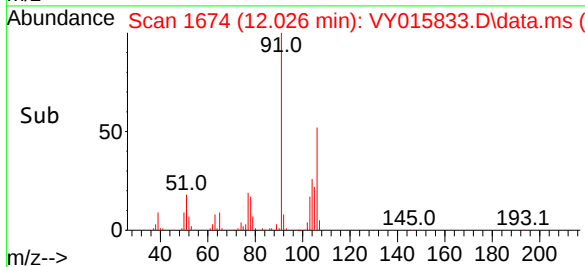
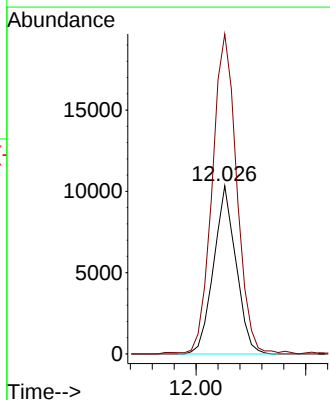
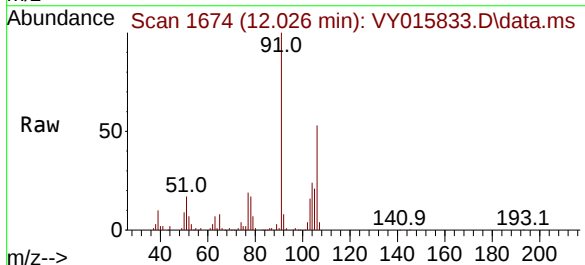
Instrument :
MSVOA_Y
ClientSampleId :
S-1(0-5)

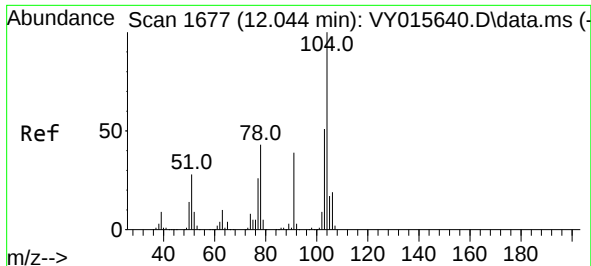
Tgt Ion:106 Resp: 30922
Ion Ratio Lower Upper
106 100
91 196.6 166.1 249.1



#69
o-Xylene
Concen: 2.875 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

Tgt Ion:106 Resp: 14679
Ion Ratio Lower Upper
106 100
91 209.4 108.1 324.3

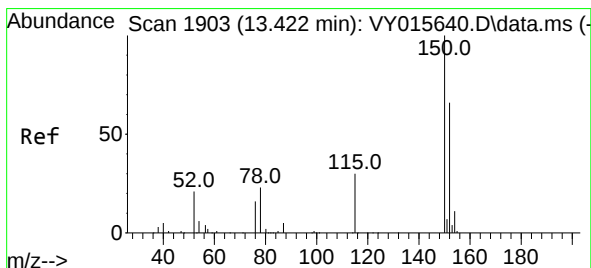
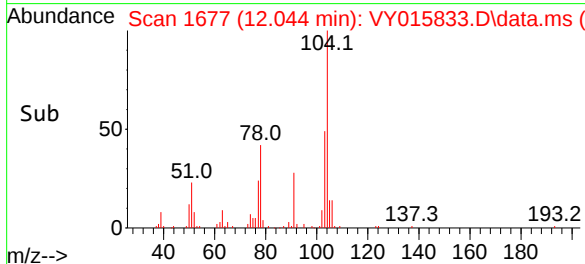
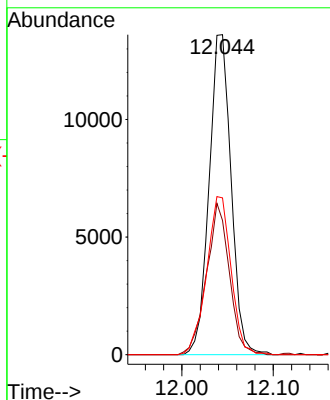
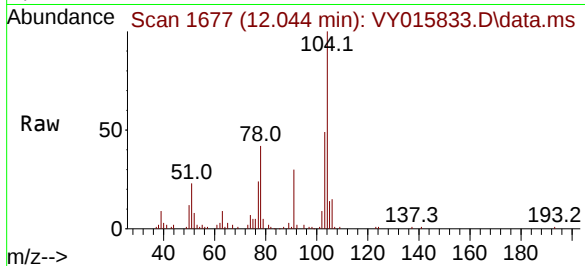




#70
Styrene
Concen: 2.603 ug/l
RT: 12.044 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

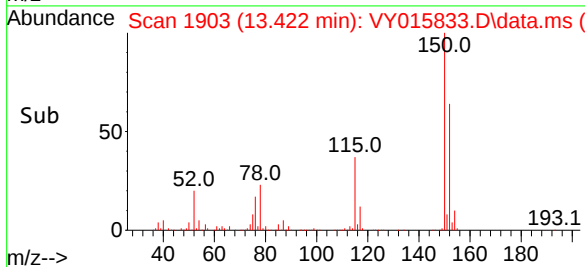
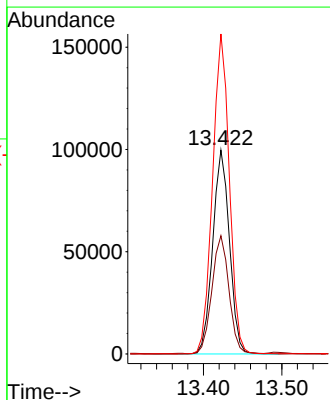
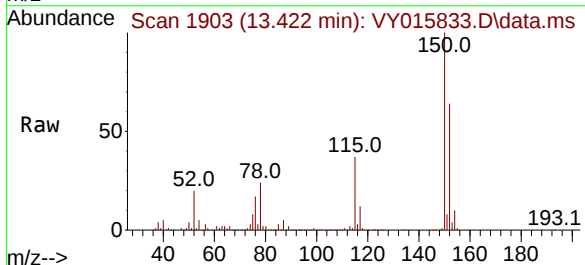
Instrument :
MSVOA_Y
ClientSampleId :
S-1(0-5)

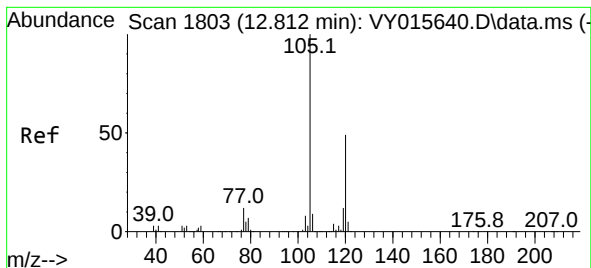
Tgt Ion:104 Resp: 22750
Ion Ratio Lower Upper
104 100
78 49.2 41.5 62.3
103 54.8 44.6 67.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015833.D
Acq: 04 Oct 2023 17:24

Tgt Ion:152 Resp: 148237
Ion Ratio Lower Upper
152 100
115 58.8 28.8 86.5
150 157.2 0.0 348.8





#80

1,3,5-Trimethylbenzene

Concen: 1.404 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.001 min

Lab File: VY015833.D

Acq: 04 Oct 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

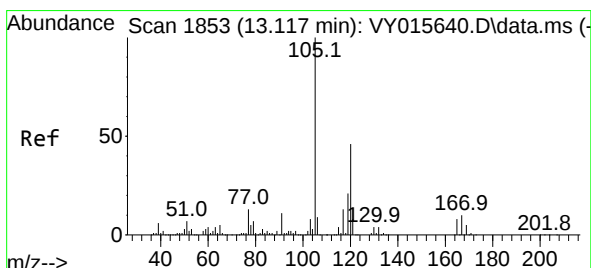
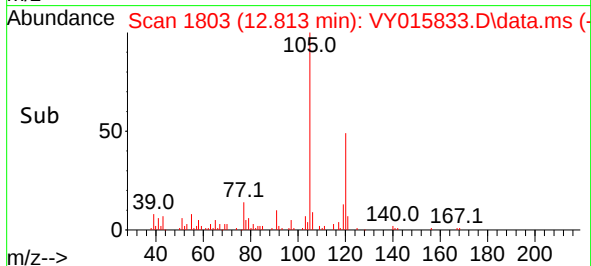
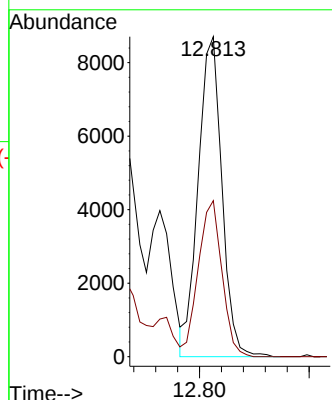
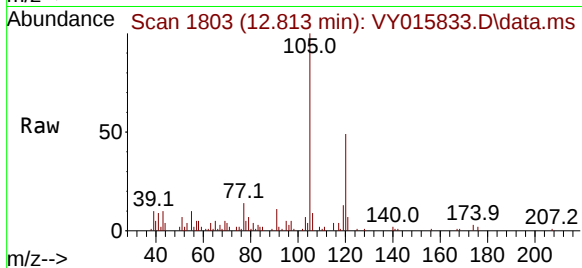
S-1(0-5)

Tgt Ion:105 Resp: 13072

Ion Ratio Lower Upper

105 100

120 48.7 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 2.834 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY015833.D

Acq: 04 Oct 2023 17:24

Tgt Ion:105 Resp: 26401

Ion Ratio Lower Upper

105 100

120 44.8 22.2 66.6

