

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100423\
 Data File : VY015832.D
 Acq On : 04 Oct 2023 17:00
 Operator : SY/MD
 Sample : 04693-01
 Misc : 5.44g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Oct 05 06:56:28 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)

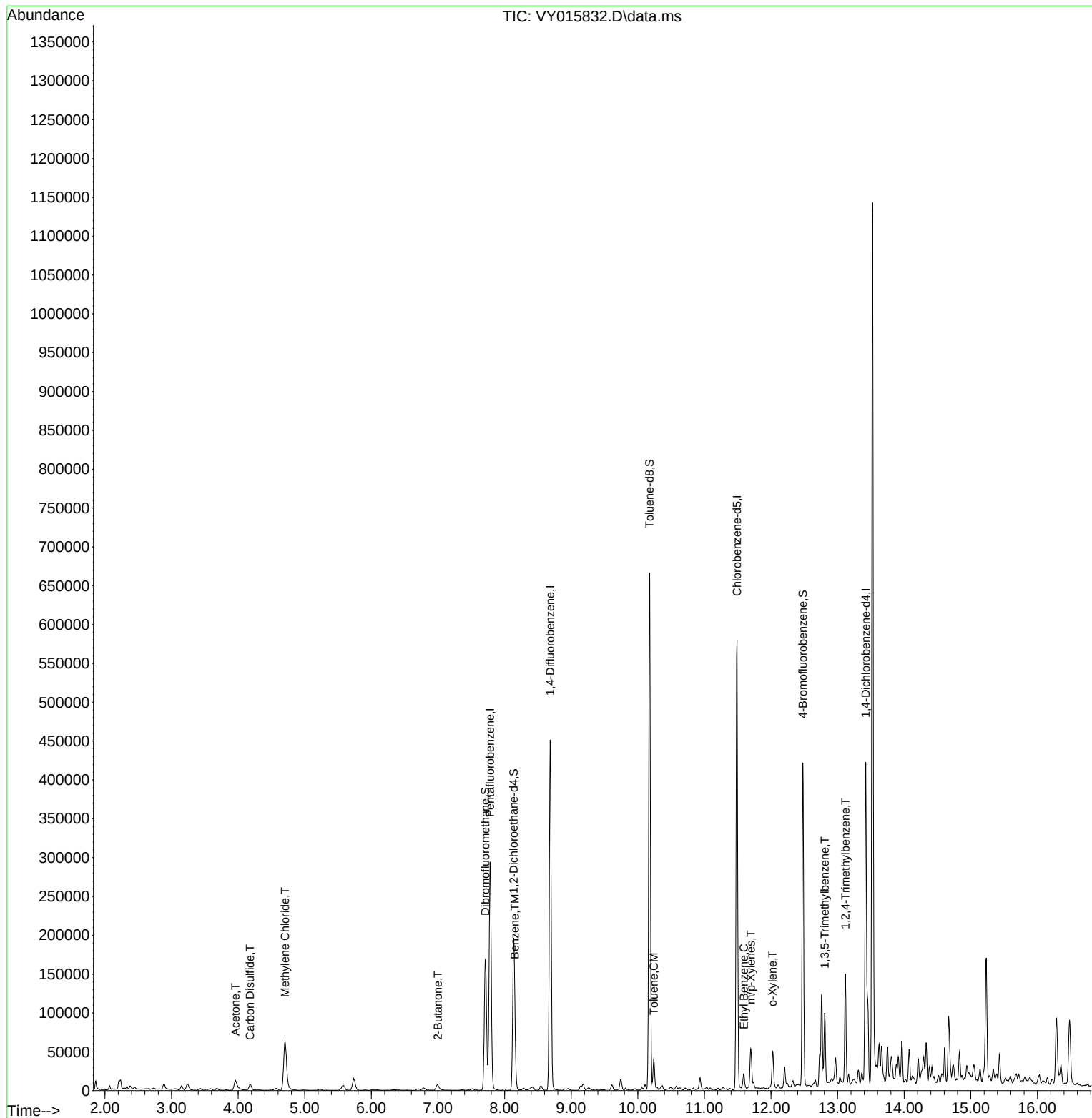
Internal Standards						
1) Pentafluorobenzene	7.783	168	226217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	390002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	319308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	105233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	147272	59.169	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.340%	
35) Dibromofluoromethane	7.710	113	123544	52.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.860%	
50) Toluene-d8	10.179	98	444572	56.170	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.340%	
62) 4-Bromofluorobenzene	12.477	95	125736	40.481	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 80.960%	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	27054	20.311	ug/l #	89
17) Carbon Disulfide	4.180	76	15220	3.937	ug/l	98
20) Methylene Chloride	4.704	84	48389	13.007	ug/l	91
25) 2-Butanone	6.996	43	11493	6.104	ug/l	100
40) Benzene	8.155	78	20795	1.976	ug/l	94
52) Toluene	10.240	92	15880	2.340	ug/l	91
67) Ethyl Benzene	11.593	91	12818	1.052	ug/l	98
68) m/p-Xylenes	11.697	106	14431	3.117	ug/l	98
69) o-Xylene	12.026	106	11740	2.586	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	32281	4.885	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	73755	11.154	ug/l	97

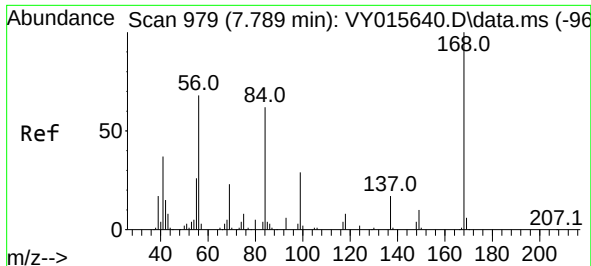
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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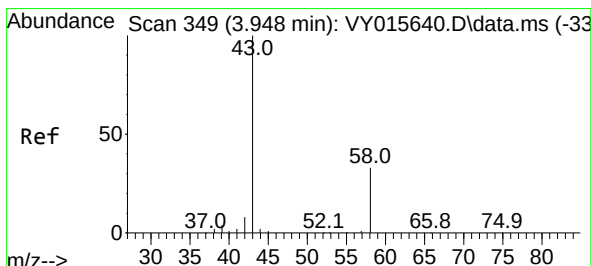
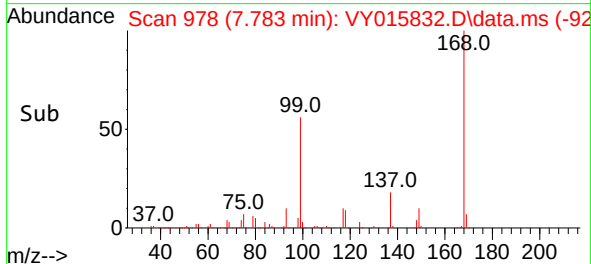
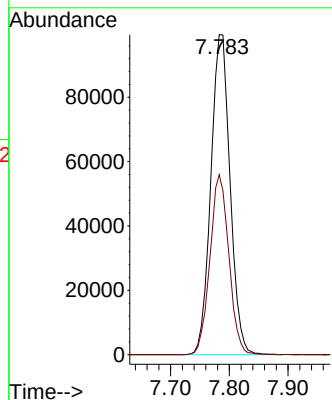
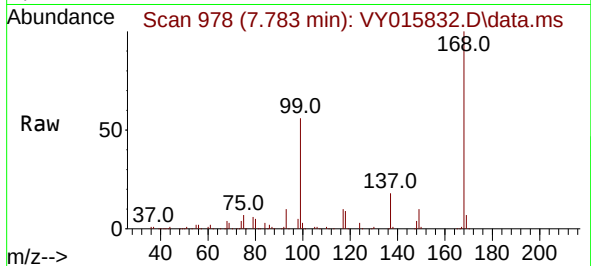




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

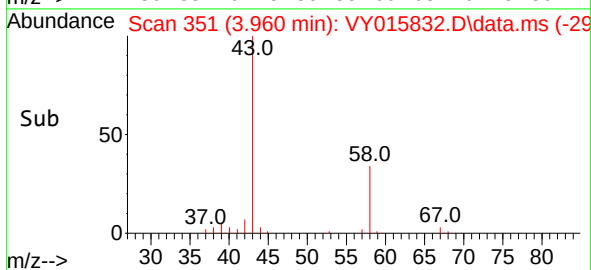
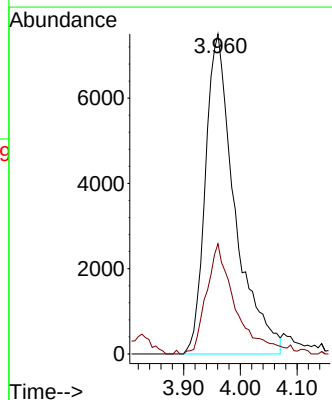
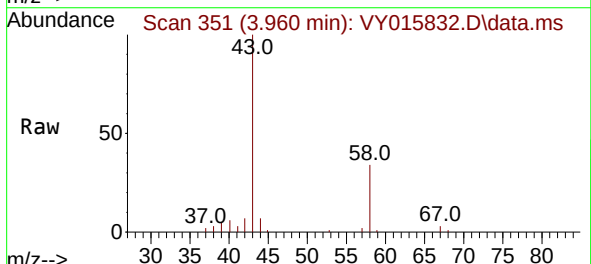
Instrument :
MSVOA_Y
ClientSampleId :
F-1(0-5)

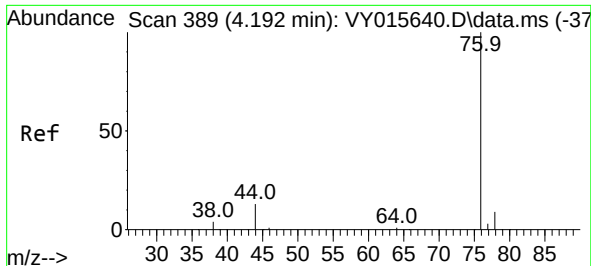
Tgt Ion:168 Resp: 226217
Ion Ratio Lower Upper
168 100
99 56.3 43.4 65.0



#16
Acetone
Concen: 20.311 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

Tgt Ion: 43 Resp: 27054
Ion Ratio Lower Upper
43 100
58 34.4 22.7 34.1#

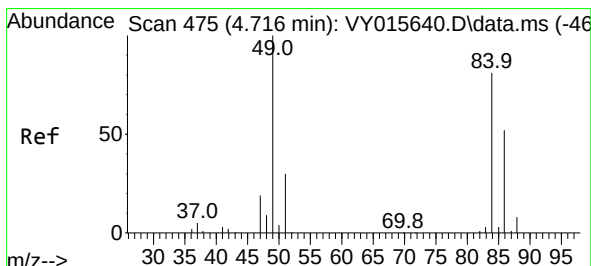
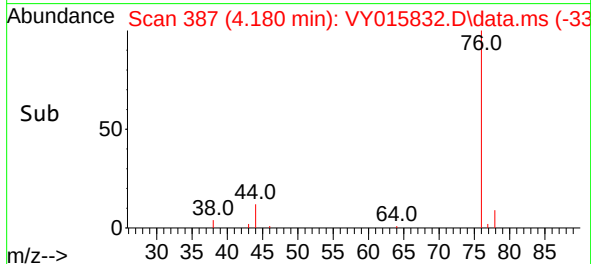
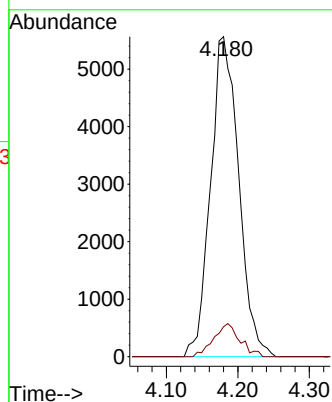
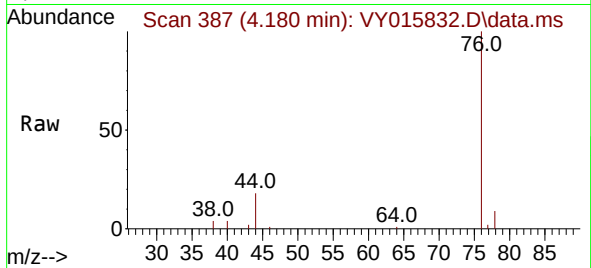




#17
Carbon Disulfide
Concen: 3.937 ug/l
RT: 4.180 min Scan# 389
Delta R.T. -0.006 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

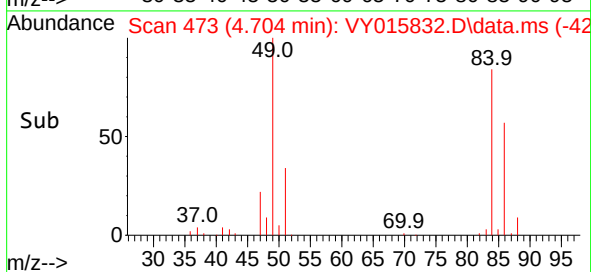
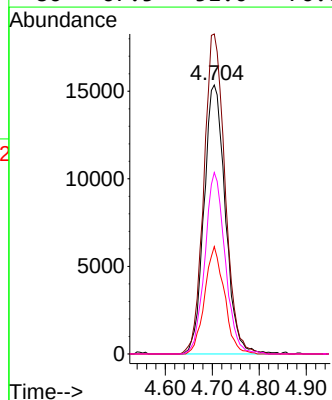
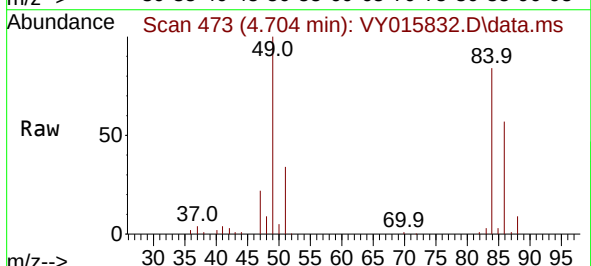
Instrument :
MSVOA_Y
ClientSampleId :
F-1(0-5)

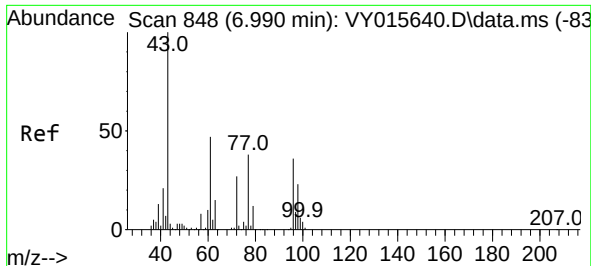
Tgt Ion: 76 Resp: 15220
Ion Ratio Lower Upper
76 100
78 9.4 7.0 10.4



#20
Methylene Chloride
Concen: 13.007 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

Tgt Ion: 84 Resp: 48389
Ion Ratio Lower Upper
84 100
49 119.0 106.9 160.3
51 39.9 33.2 49.8
86 67.5 51.0 76.6

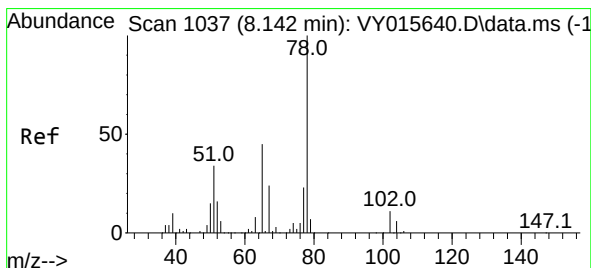
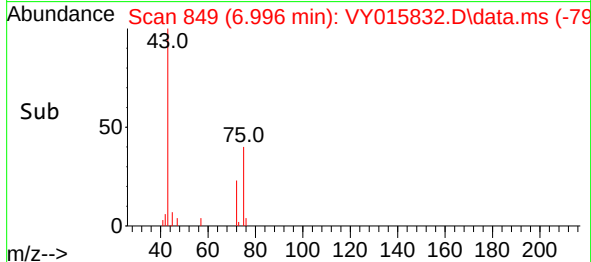
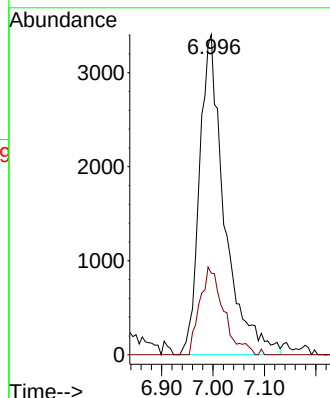
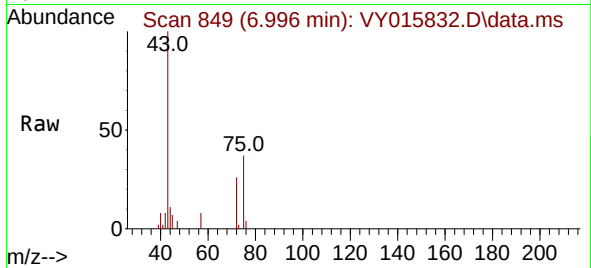




#25
2-Butanone
Concen: 6.104 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.018 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

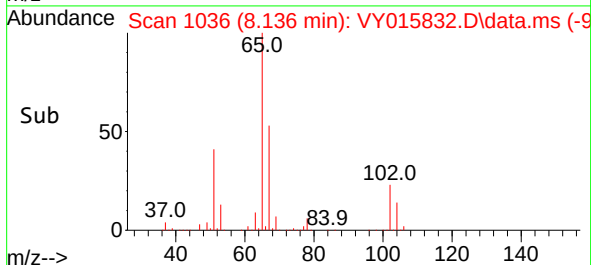
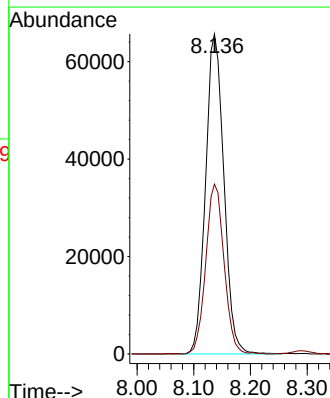
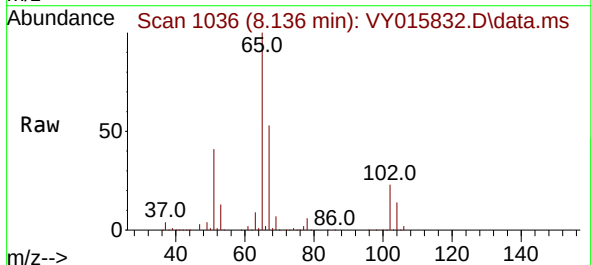
Instrument :
MSVOA_Y
ClientSampleId :
F-1(0-5)

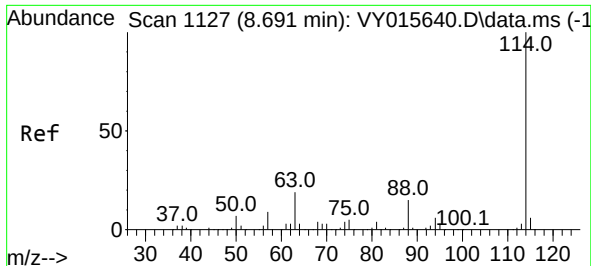
Tgt Ion: 43 Resp: 11493
Ion Ratio Lower Upper
43 100
72 25.5 20.5 30.7



#33
1,2-Dichloroethane-d4
Concen: 59.169 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

Tgt Ion: 65 Resp: 147272
Ion Ratio Lower Upper
65 100
67 53.1 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: VY015832.D

Acq: 04 Oct 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

F-1(0-5)

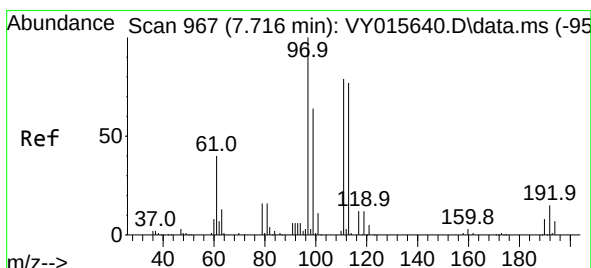
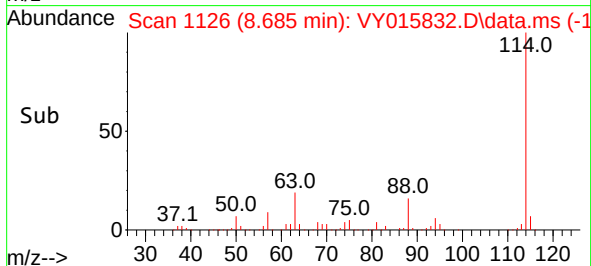
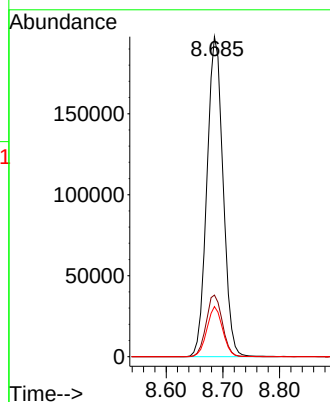
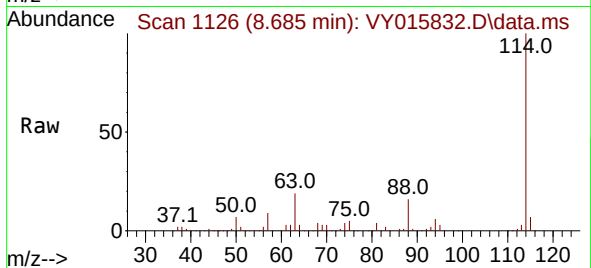
Tgt Ion:114 Resp: 390002

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.926 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015832.D

Acq: 04 Oct 2023 17:00

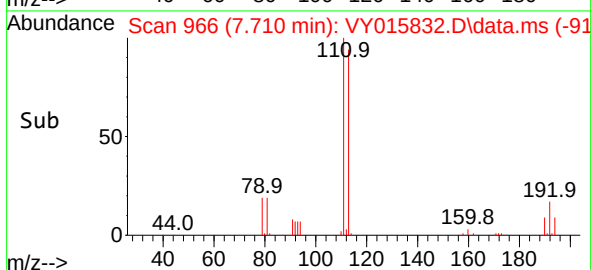
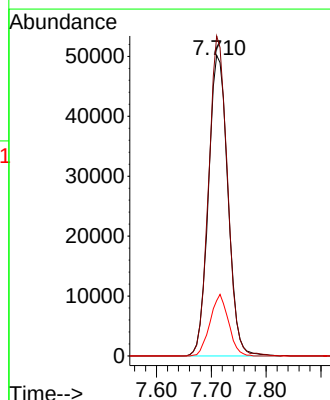
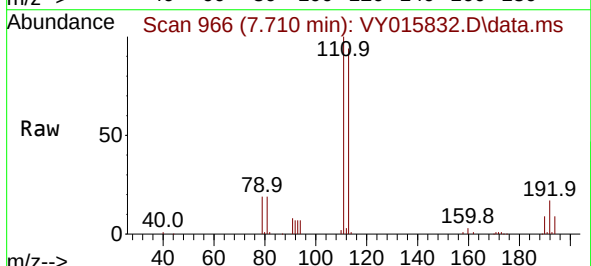
Tgt Ion:113 Resp: 123544

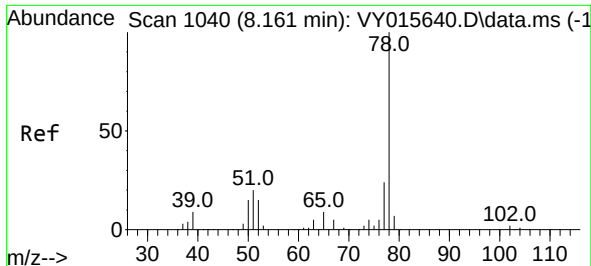
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 19.4 16.9 25.3





#40

Benzene

Concen: 1.976 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VY015832.D

Acq: 04 Oct 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

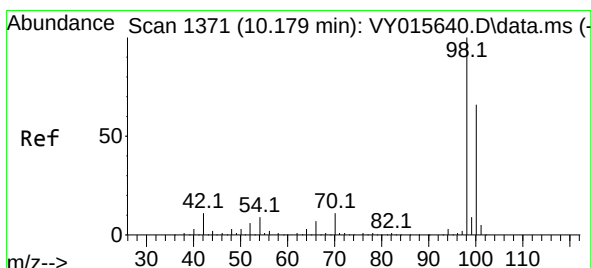
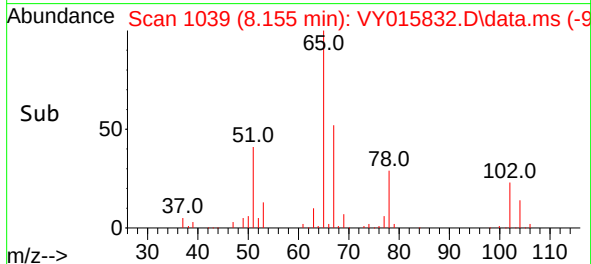
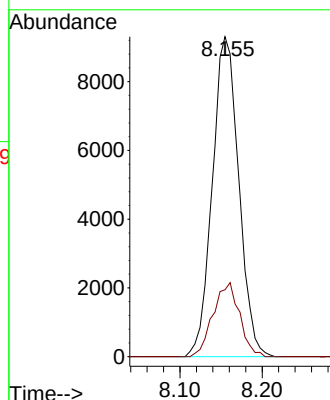
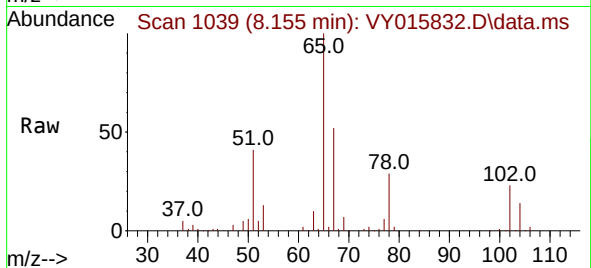
F-1(0-5)

Tgt Ion: 78 Resp: 20795

Ion Ratio Lower Upper

78 100

77 20.9 19.0 28.6



#50

Toluene-d8

Concen: 56.170 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015832.D

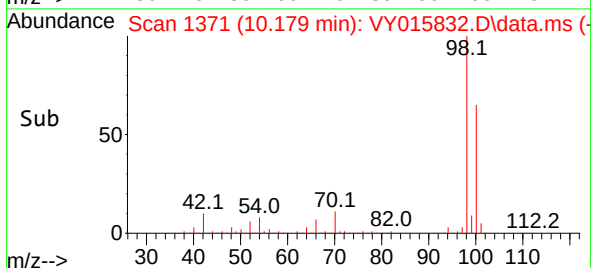
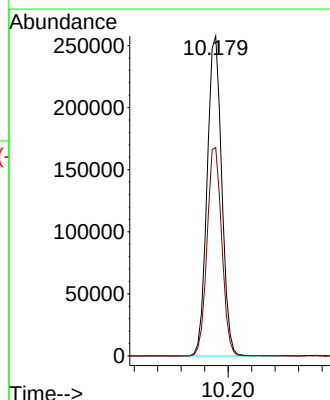
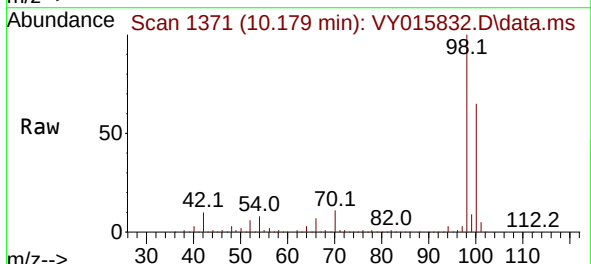
Acq: 04 Oct 2023 17:00

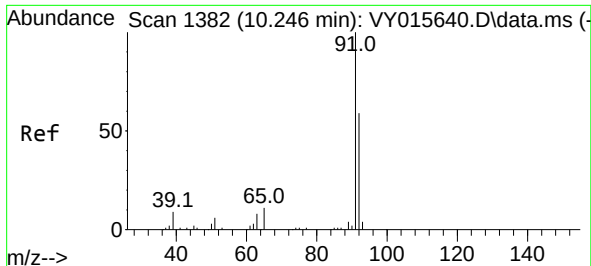
Tgt Ion: 98 Resp: 444572

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1

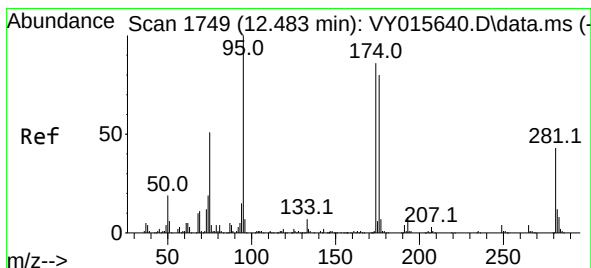
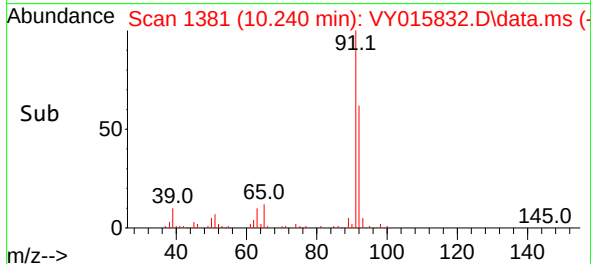
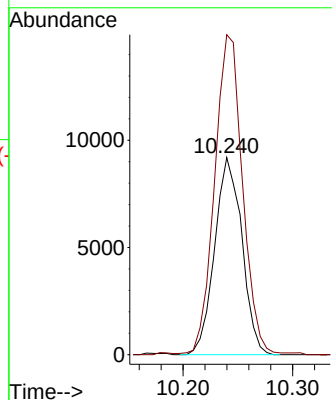
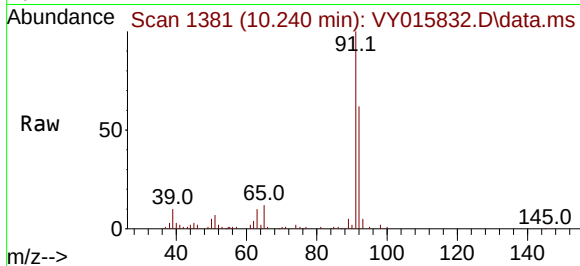




#52
Toluene
Concen: 2.340 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

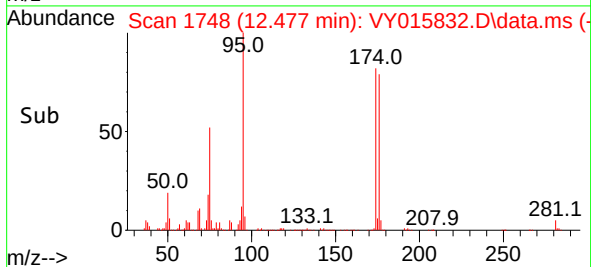
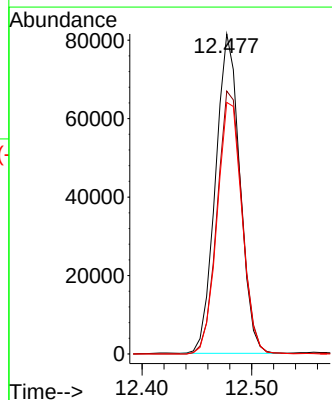
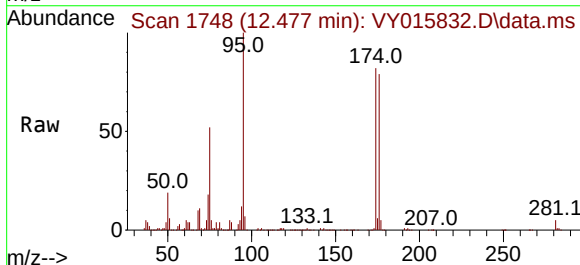
Instrument :
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F-1(0-5)

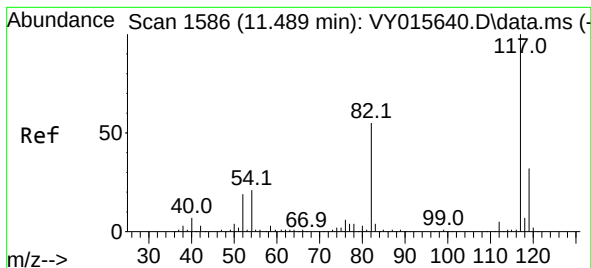
Tgt Ion: 92 Resp: 15880
Ion Ratio Lower Upper
92 100
91 167.1 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 40.481 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

Tgt Ion: 95 Resp: 125736
Ion Ratio Lower Upper
95 100
174 84.1 0.0 178.2
176 80.7 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: VY015832.D

Acq: 04 Oct 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

F-1(0-5)

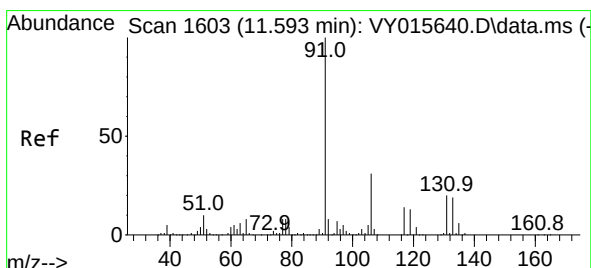
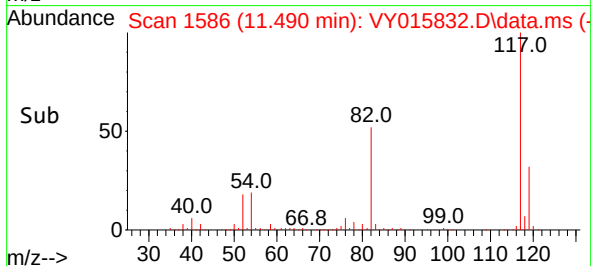
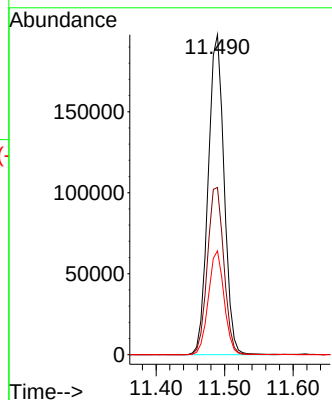
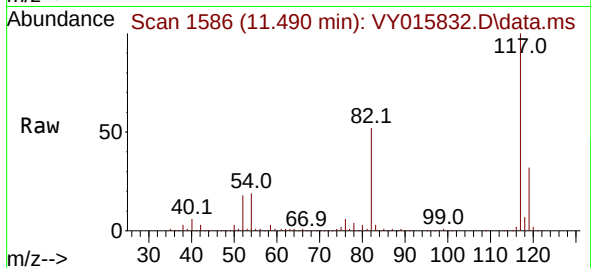
Tgt Ion:117 Resp: 319308

Ion Ratio Lower Upper

117 100

82 52.3 43.4 65.0

119 32.4 26.3 39.5



#67

Ethyl Benzene

Concen: 1.052 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.006 min

Lab File: VY015832.D

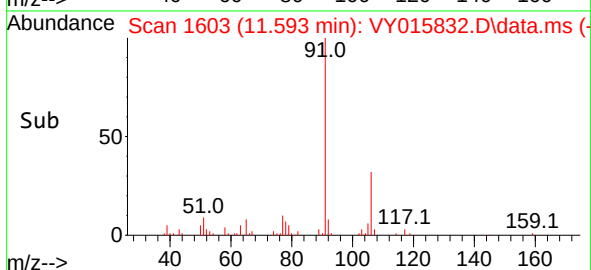
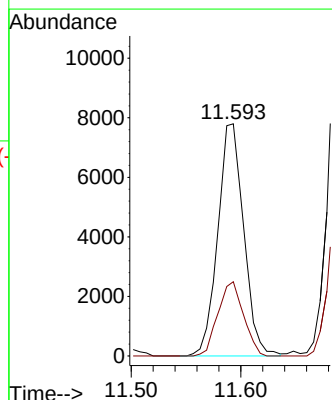
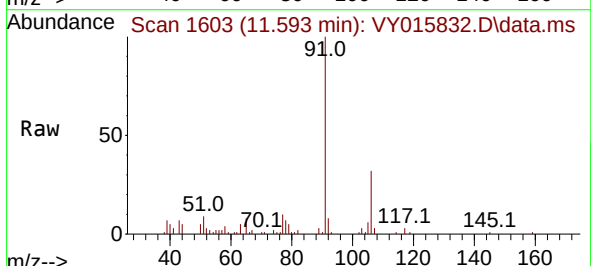
Acq: 04 Oct 2023 17:00

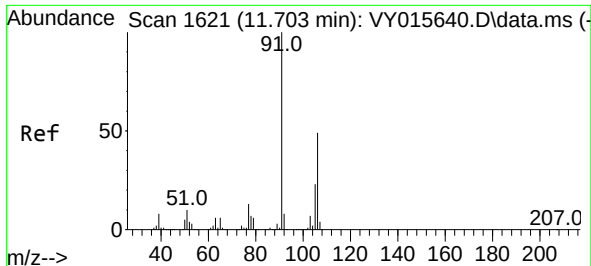
Tgt Ion: 91 Resp: 12818

Ion Ratio Lower Upper

91 100

106 32.0 24.6 36.8

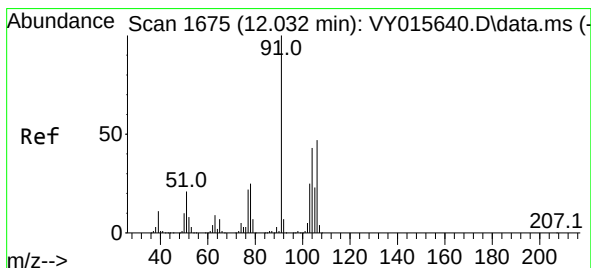
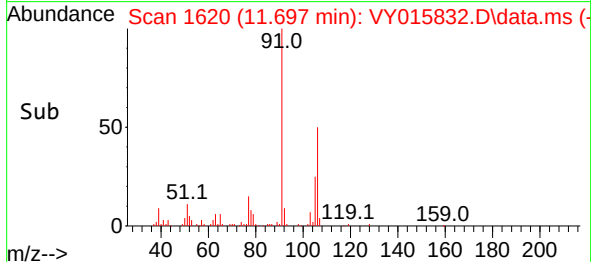
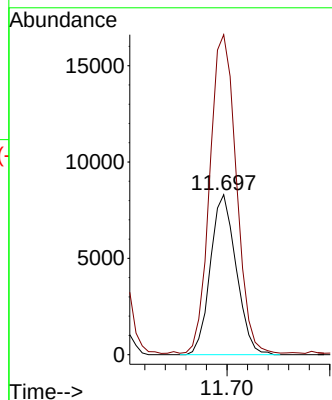
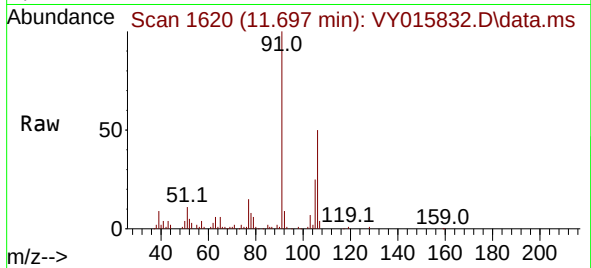




#68
m/p-Xylenes
Concen: 3.117 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

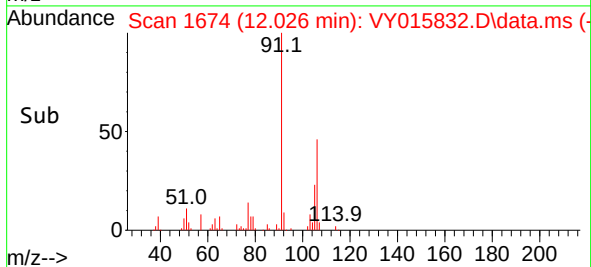
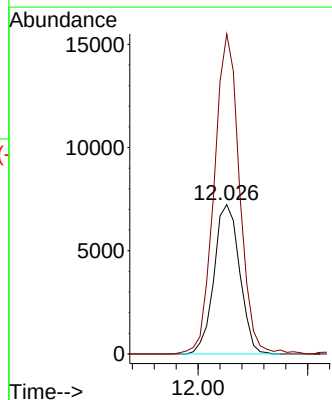
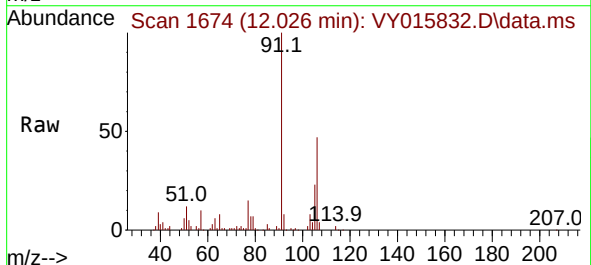
Instrument :
MSVOA_Y
ClientSampleId :
F-1(0-5)

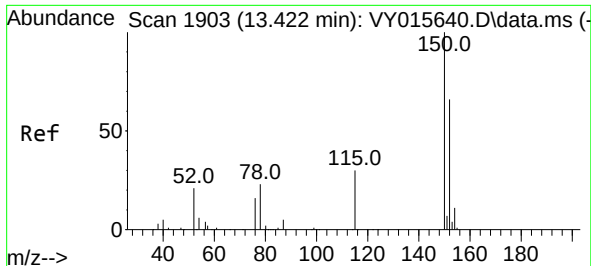
Tgt Ion:106 Resp: 14431
Ion Ratio Lower Upper
106 100
91 204.8 166.1 249.1



#69
o-Xylene
Concen: 2.586 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015832.D
Acq: 04 Oct 2023 17:00

Tgt Ion:106 Resp: 11740
Ion Ratio Lower Upper
106 100
91 212.4 108.1 324.3

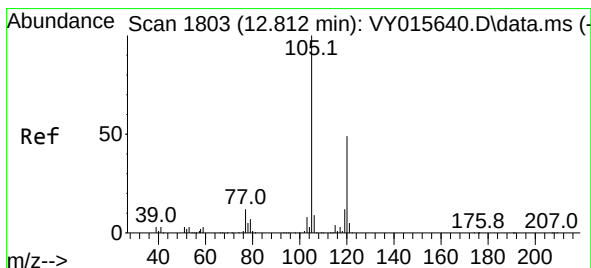
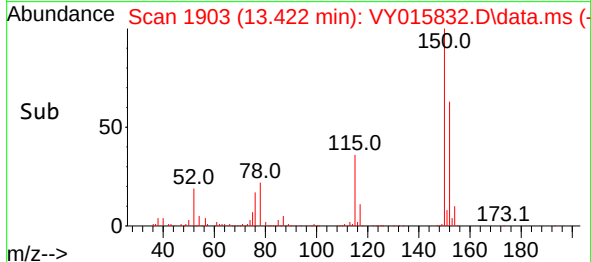
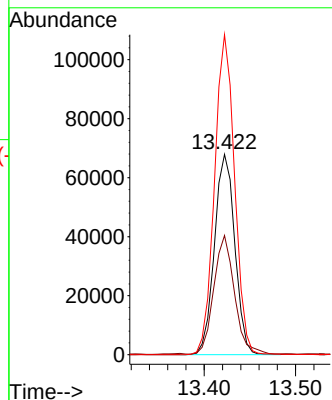
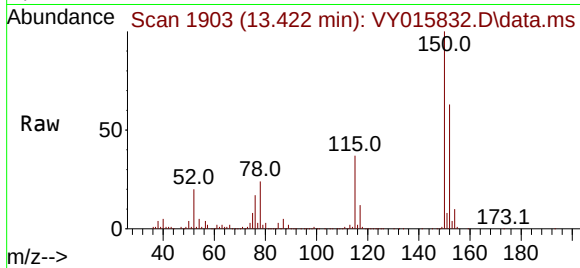




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015832.D
 Acq: 04 Oct 2023 17:00

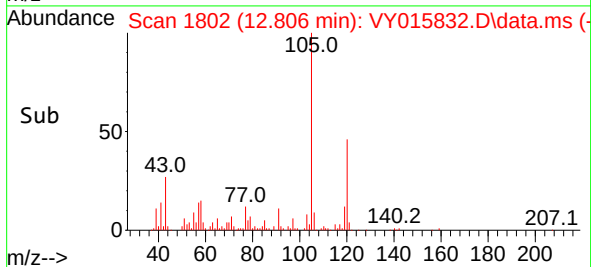
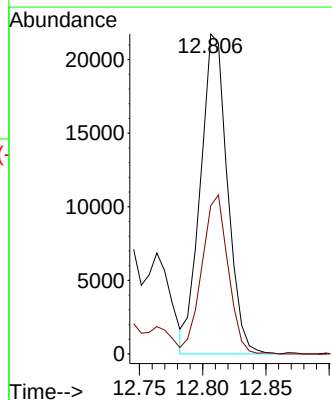
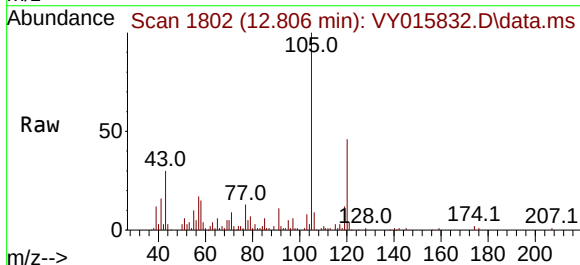
Instrument :
 MSVOA_Y
 ClientSampleId :
 F-1(0-5)

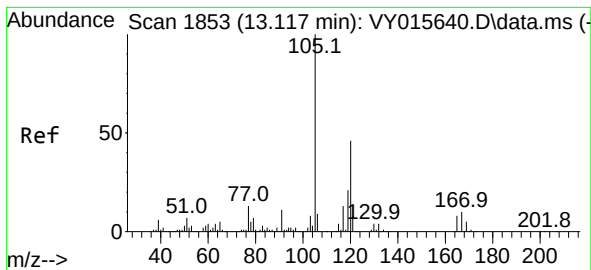
Tgt Ion:152 Resp: 105233
 Ion Ratio Lower Upper
 152 100
 115 60.1 28.8 86.5
 150 157.0 0.0 348.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.885 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: VY015832.D
 Acq: 04 Oct 2023 17:00

Tgt Ion:105 Resp: 32281
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 11.154 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015832.D

Acq: 04 Oct 2023 17:00

Instrument :

MSVOA_Y

ClientSampleId :

F-1(0-5)

Tgt Ion:105 Resp: 73755

Ion Ratio Lower Upper

105 100

120 46.3 22.2 66.6

