

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015815.D
 Acq On : 03 Oct 2023 18:53
 Operator : SY/MD
 Sample : 04704-03
 Misc : 4.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-2(5-10)

Quant Time: Oct 04 01:14:58 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)

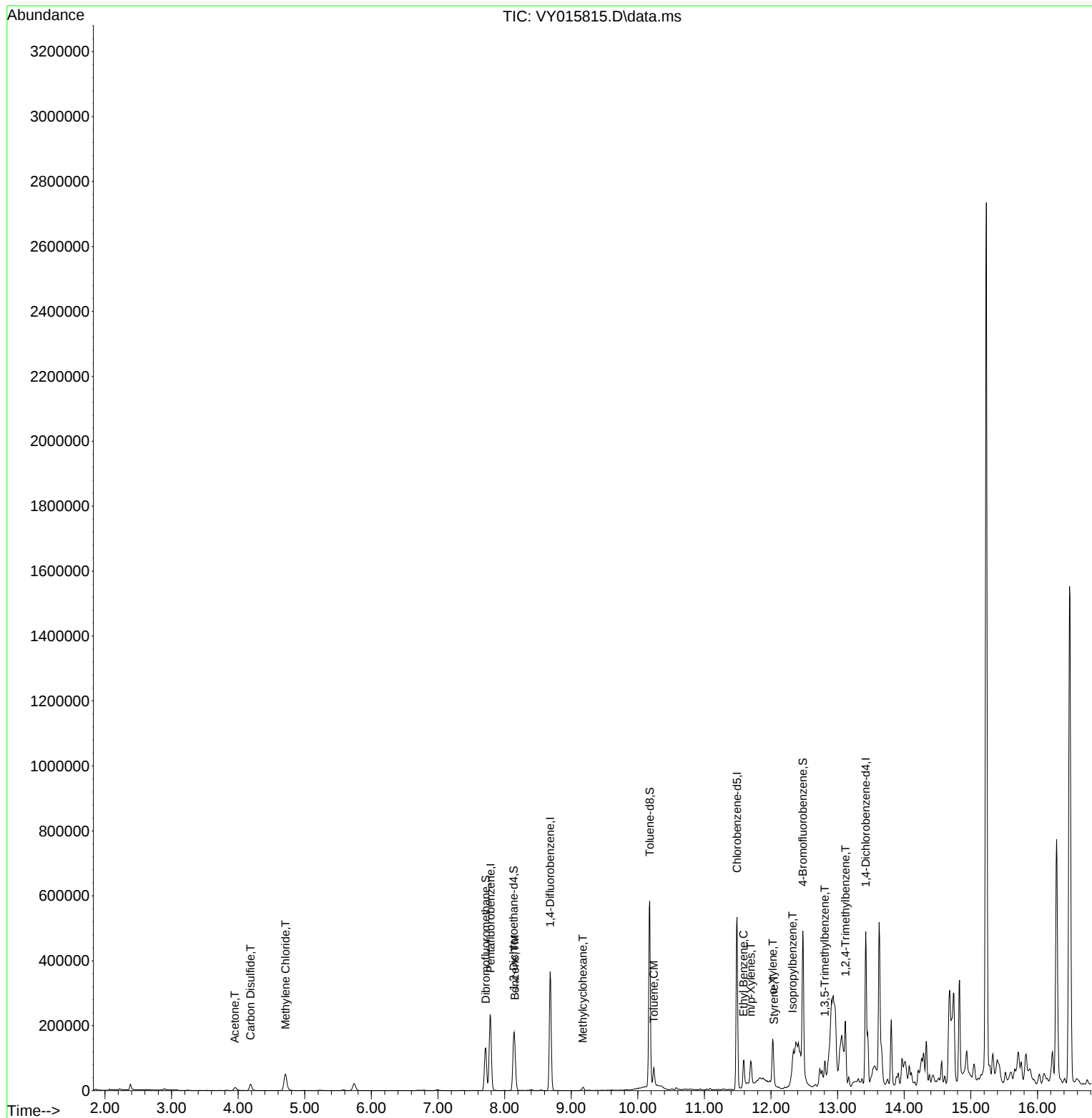
Internal Standards						
1) Pentafluorobenzene	7.789	168	181613	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	314060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	287690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	120993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	114616	57.358	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.720%			
35) Dibromofluoromethane	7.716	113	93716	49.855	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.720%			
50) Toluene-d8	10.179	98	373249	58.562	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 117.120%			
62) 4-Bromofluorobenzene	12.477	95	125949	50.355	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 100.720%			
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	18528	17.326	ug/l	92
17) Carbon Disulfide	4.186	76	39920	12.861	ug/l	100
20) Methylene Chloride	4.710	84	39257	13.200	ug/l	89
39) Methylcyclohexane	9.173	83	4310	1.402	ug/l	93
40) Benzene	8.155	78	64824	7.648	ug/l	98
52) Toluene	10.240	92	21934	4.014	ug/l	96
67) Ethyl Benzene	11.587	91	56718	5.167	ug/l	100
68) m/p-Xylenes	11.697	106	22348	5.357	ug/l	96
69) o-Xylene	12.026	106	35631	8.710	ug/l	97
70) Styrene	12.044	104	13906	1.986	ug/l #	65
73) Isopropylbenzene	12.325	105	13957	1.538	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	27922	3.675	ug/l	91
84) 1,2,4-Trimethylbenzene	13.117	105	81313	10.695	ug/l	97

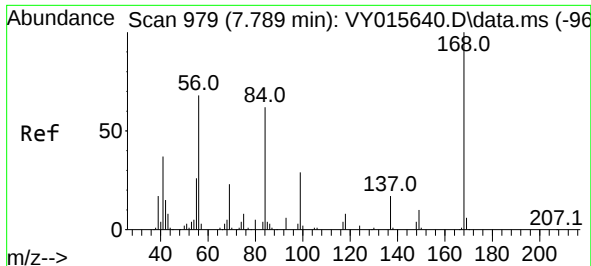
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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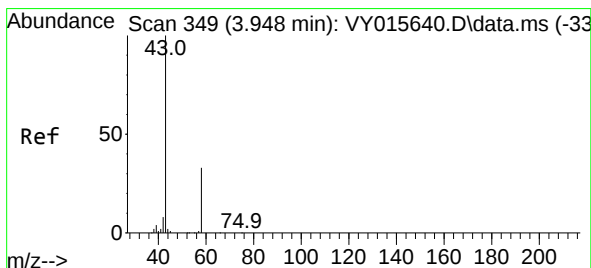
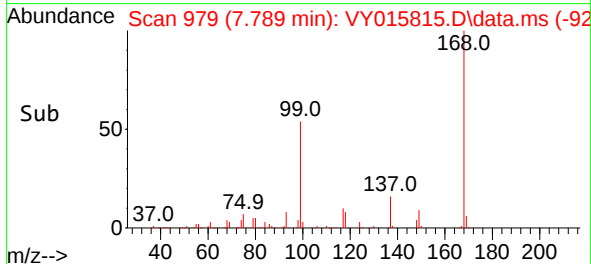
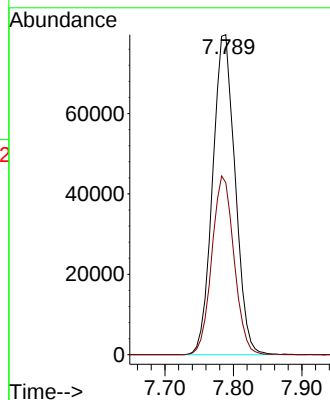
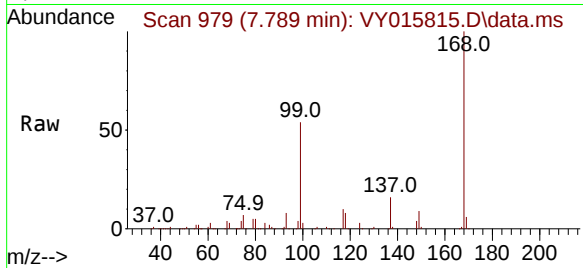




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

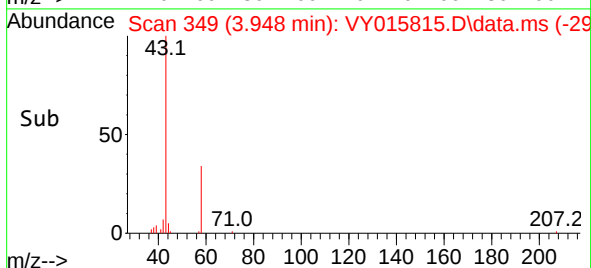
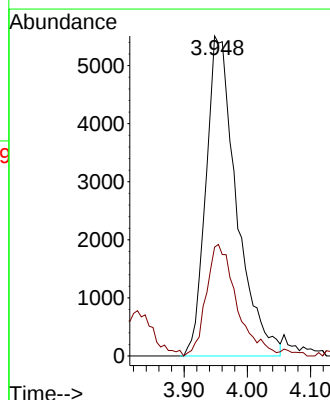
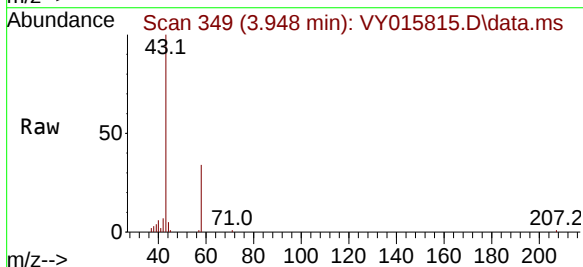
Instrument :
MSVOA_Y
ClientSampleId :
R-2(5-10)

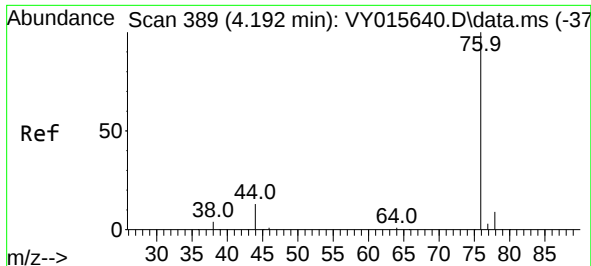
Tgt Ion:168 Resp: 181613
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#16
Acetone
Concen: 17.326 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

Tgt Ion: 43 Resp: 18528
Ion Ratio Lower Upper
43 100
58 32.7 22.7 34.1

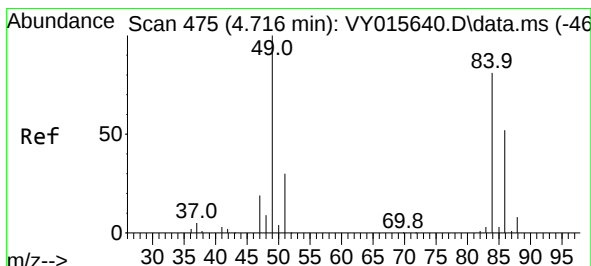
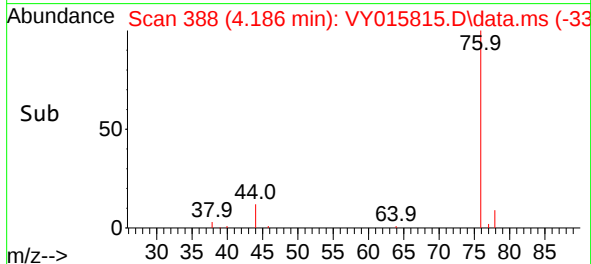
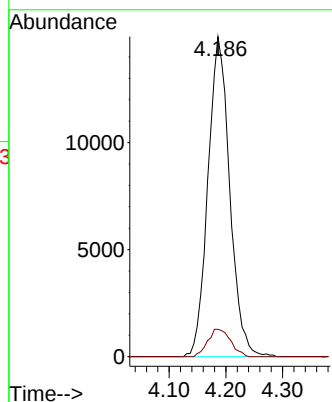
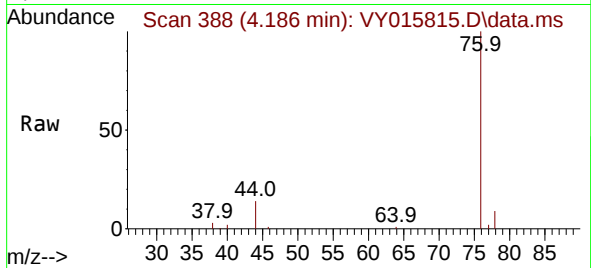




#17
Carbon Disulfide
Concen: 12.861 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

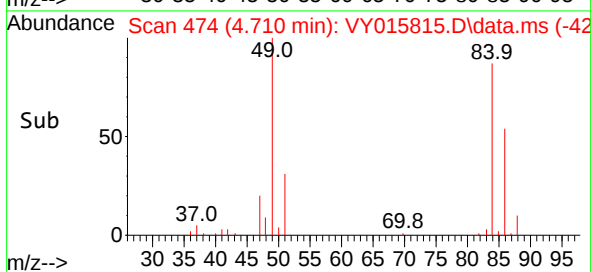
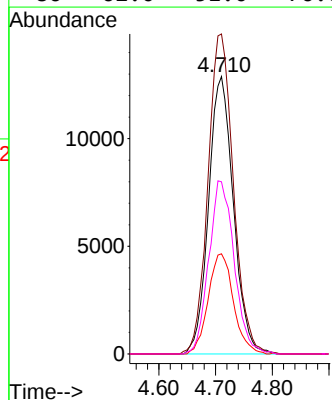
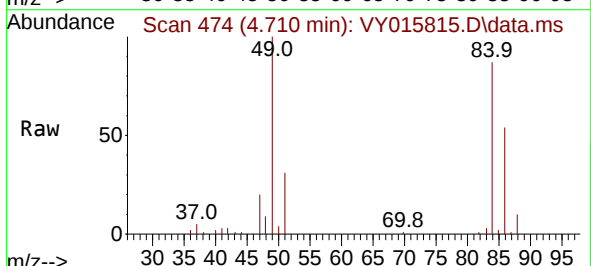
Instrument :
MSVOA_Y
ClientSampleId :
R-2(5-10)

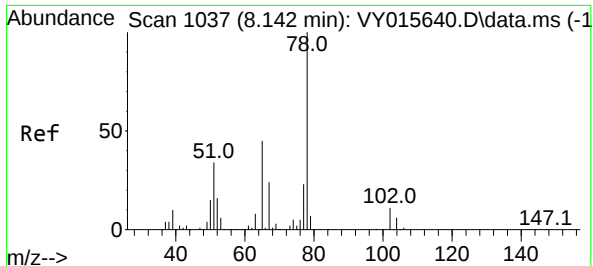
Tgt Ion: 76 Resp: 39920
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.4



#20
Methylene Chloride
Concen: 13.200 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

Tgt Ion: 84 Resp: 39257
Ion Ratio Lower Upper
84 100
49 115.3 106.9 160.3
51 36.1 33.2 49.8
86 62.0 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 57.358 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY015815.D

Acq: 03 Oct 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

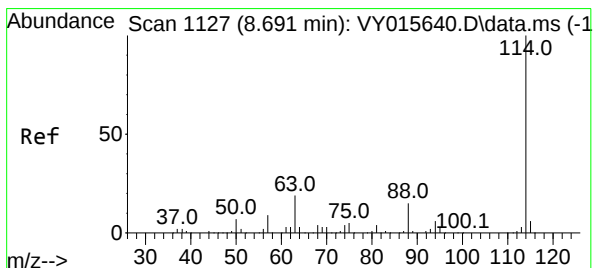
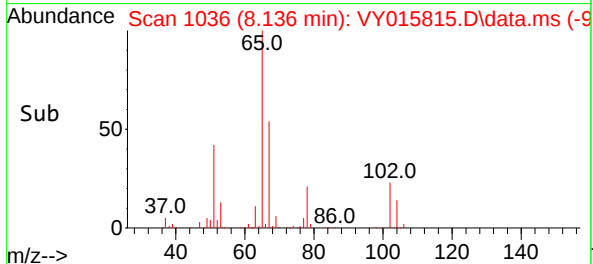
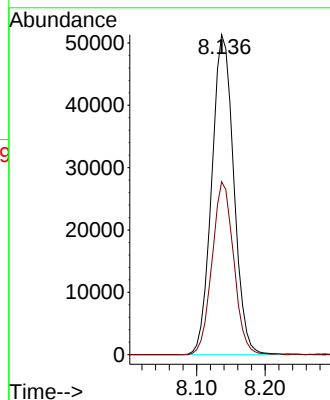
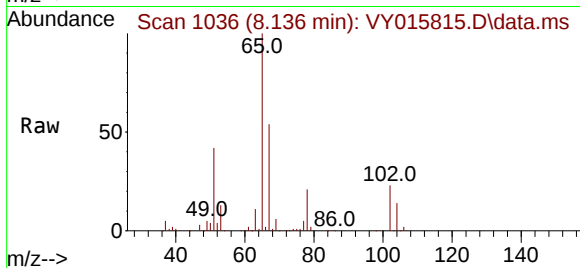
R-2(5-10)

Tgt Ion: 65 Resp: 114616

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: VY015815.D

Acq: 03 Oct 2023 18:53

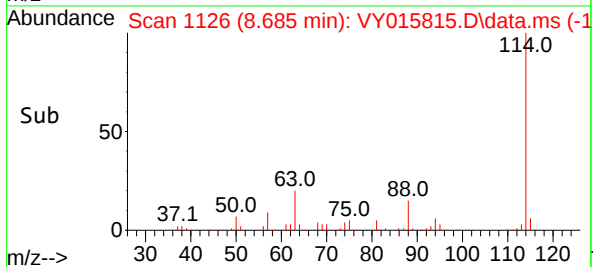
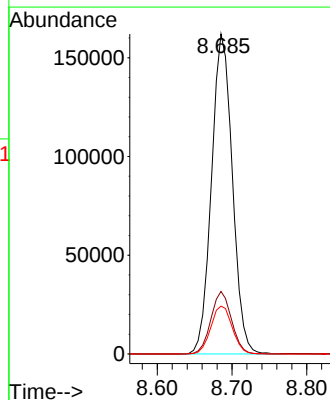
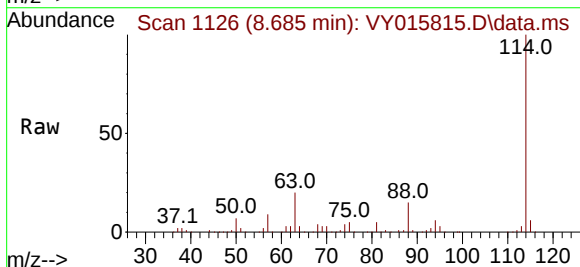
Tgt Ion: 114 Resp: 314060

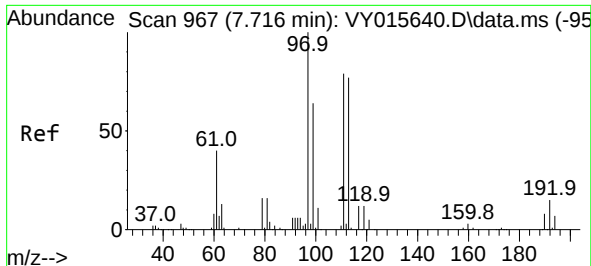
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.0 0.0 30.6

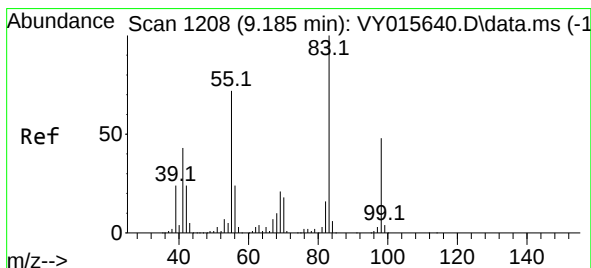
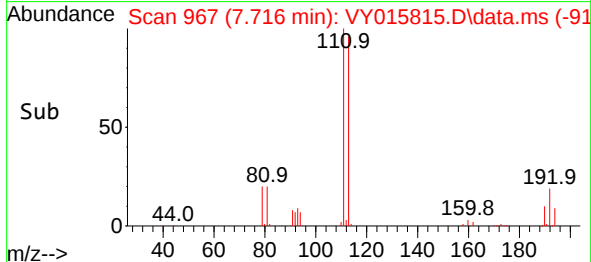
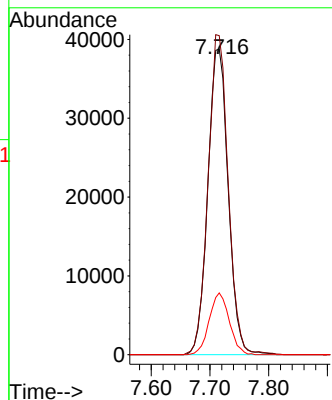
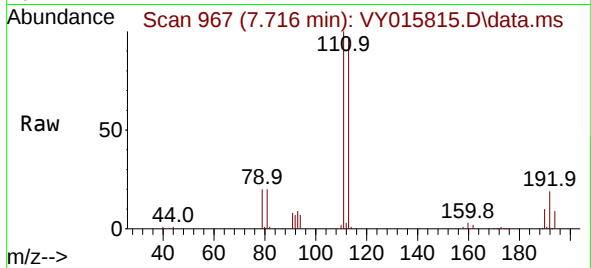




#35
Dibromofluoromethane
Concen: 49.855 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

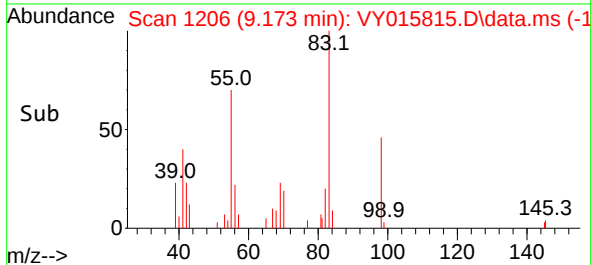
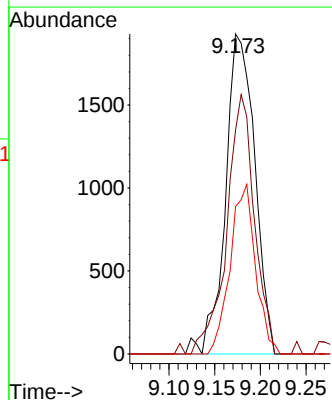
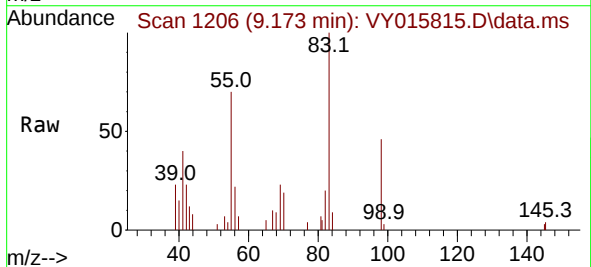
Instrument :
MSVOA_Y
ClientSampleId :
R-2(5-10)

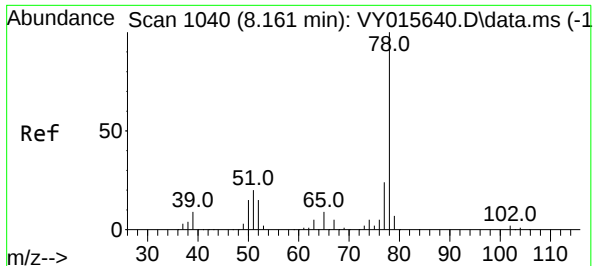
Tgt Ion:113 Resp: 93716
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 19.8 16.9 25.3



#39
Methylcyclohexane
Concen: 1.402 ug/l
RT: 9.173 min Scan# 1206
Delta R.T. -0.006 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

Tgt Ion: 83 Resp: 4310
Ion Ratio Lower Upper
83 100
55 70.0 63.0 94.4
98 46.1 37.4 56.2

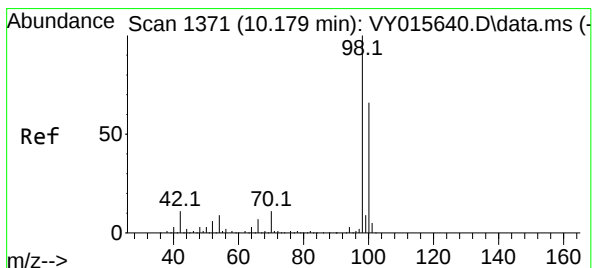
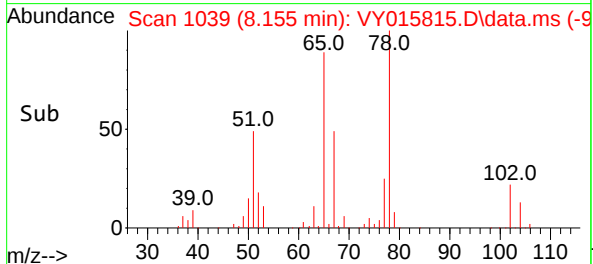
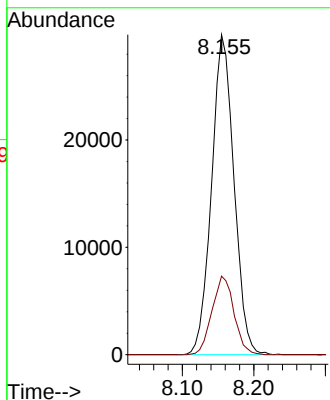
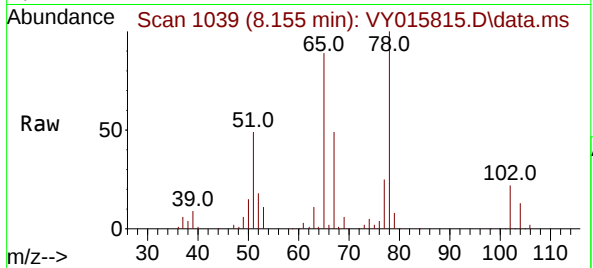




#40
Benzene
Concen: 7.648 ug/l
RT: 8.155 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

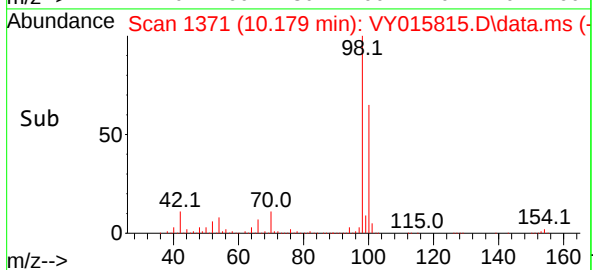
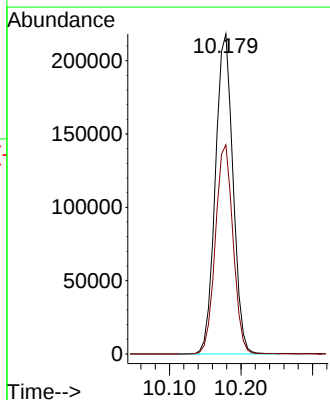
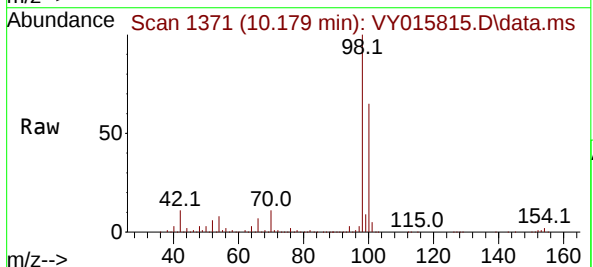
Instrument :
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ClientSampleId :
R-2(5-10)

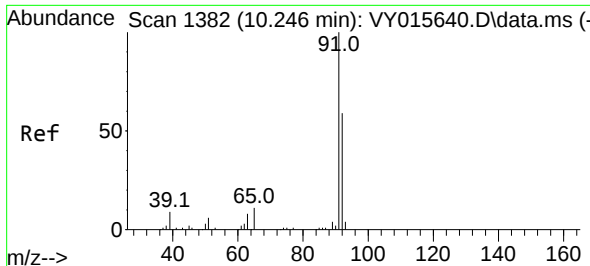
Tgt Ion: 78 Resp: 64824
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6



#50
Toluene-d8
Concen: 58.562 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

Tgt Ion: 98 Resp: 373249
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

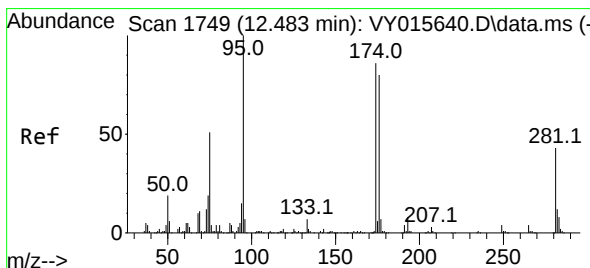
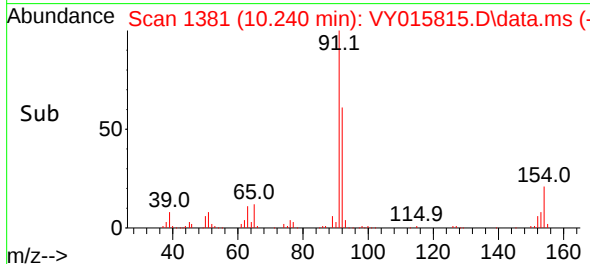
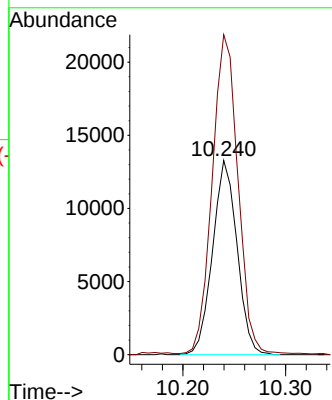
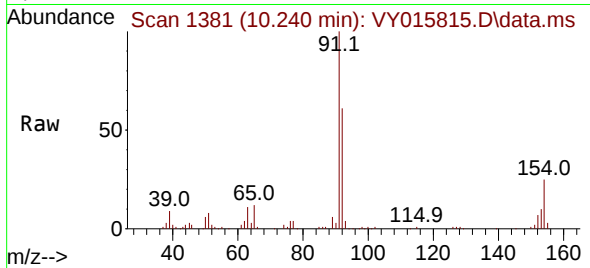




#52
Toluene
Concen: 4.014 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

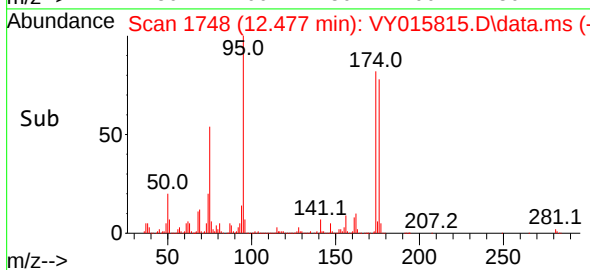
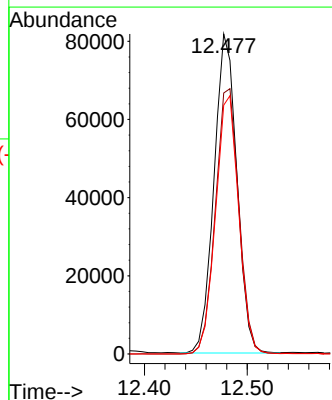
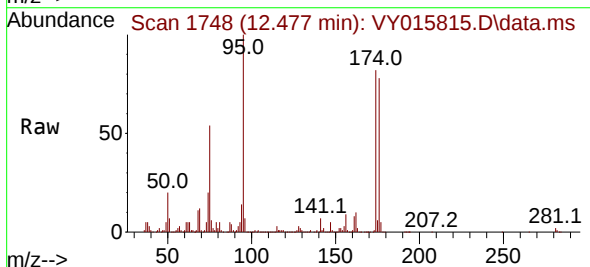
Instrument :
MSVOA_Y
ClientSampleId :
R-2(5-10)

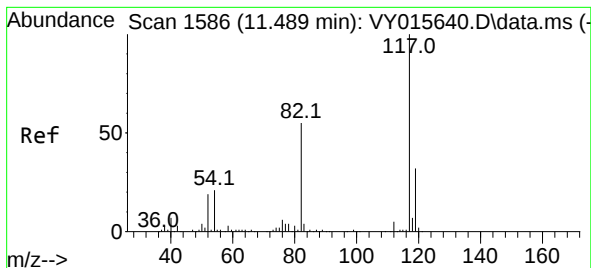
Tgt Ion: 92 Resp: 21934
Ion Ratio Lower Upper
92 100
91 174.5 143.8 215.6



#62
4-Bromofluorobenzene
Concen: 50.355 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

Tgt Ion: 95 Resp: 125949
Ion Ratio Lower Upper
95 100
174 85.9 0.0 178.2
176 82.1 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: VY015815.D

Acq: 03 Oct 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

R-2(5-10)

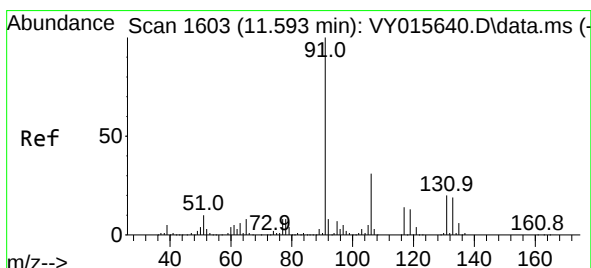
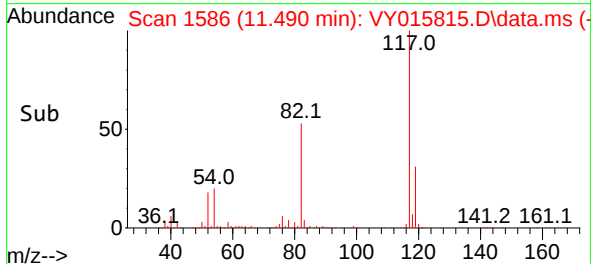
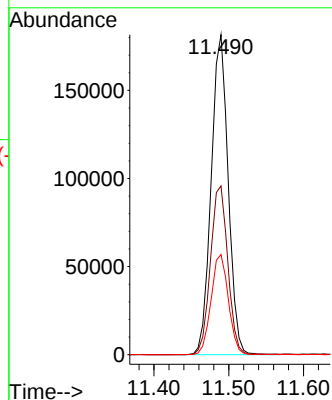
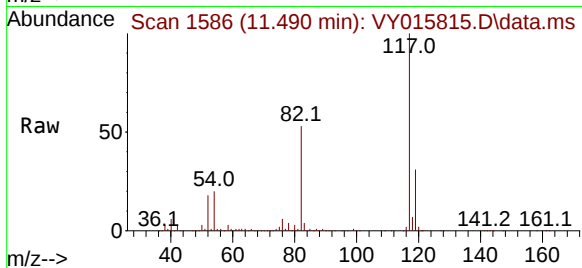
Tgt Ion:117 Resp: 287690

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 31.3 26.3 39.5



#67

Ethyl Benzene

Concen: 5.167 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY015815.D

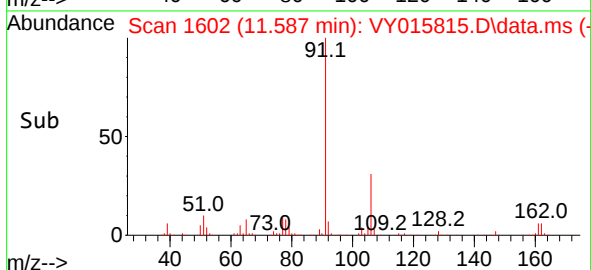
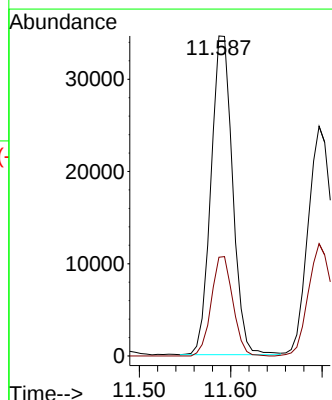
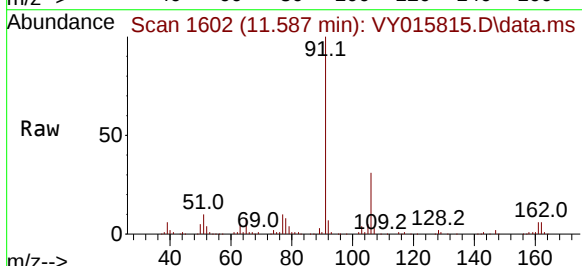
Acq: 03 Oct 2023 18:53

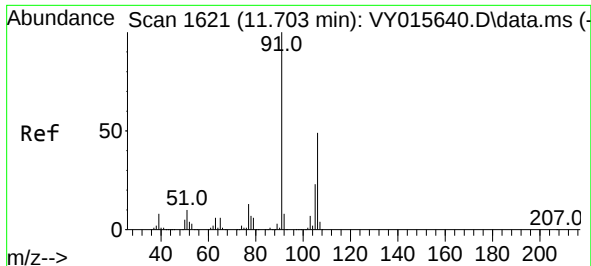
Tgt Ion: 91 Resp: 56718

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8

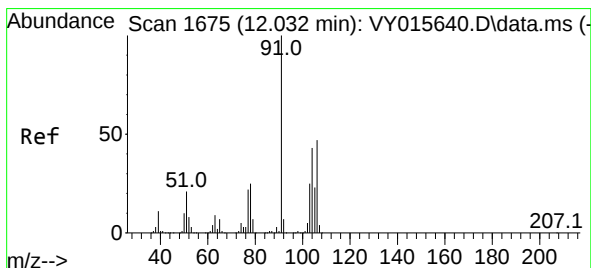
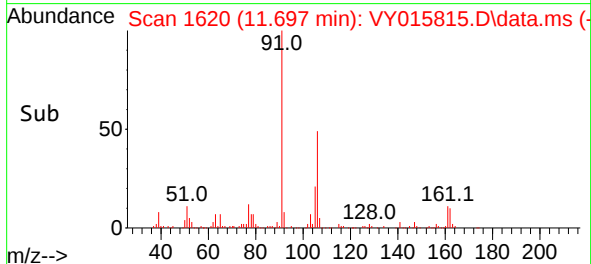
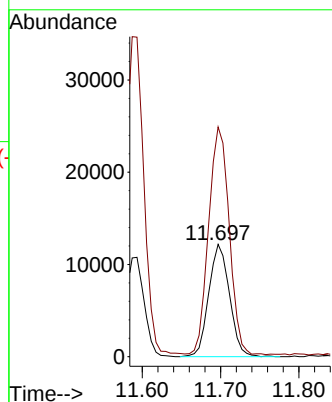
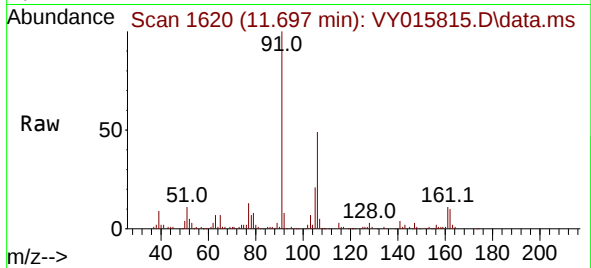




#68
m/p-Xylenes
Concen: 5.357 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

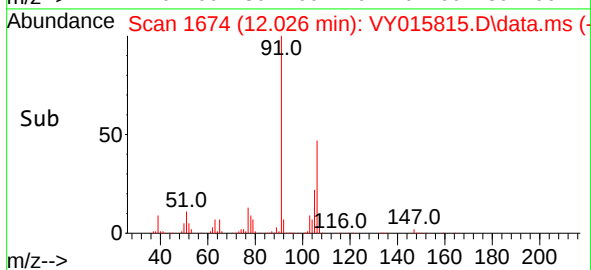
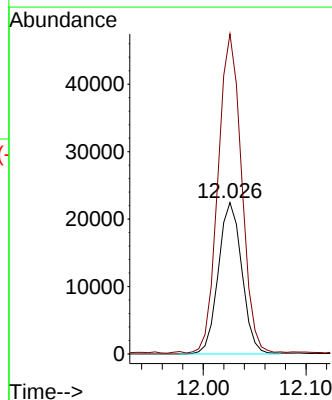
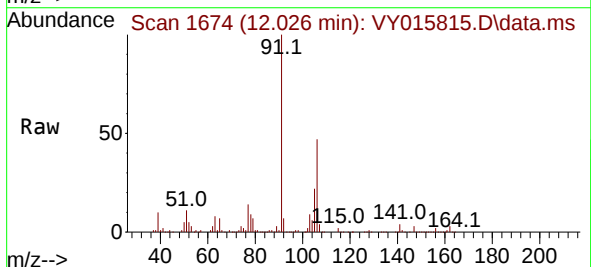
Instrument :
MSVOA_Y
ClientSampleId :
R-2(5-10)

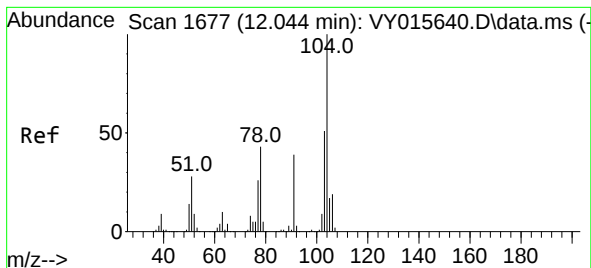
Tgt Ion:106 Resp: 22348
Ion Ratio Lower Upper
106 100
91 201.8 166.1 249.1



#69
o-Xylene
Concen: 8.710 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY015815.D
Acq: 03 Oct 2023 18:53

Tgt Ion:106 Resp: 35631
Ion Ratio Lower Upper
106 100
91 211.3 108.1 324.3





#70

Styrene

Concen: 1.986 ug/l

RT: 12.044 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015815.D

Acq: 03 Oct 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

R-2(5-10)

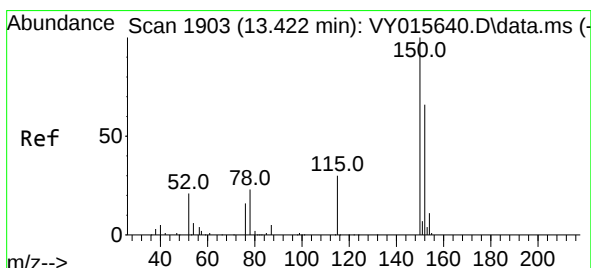
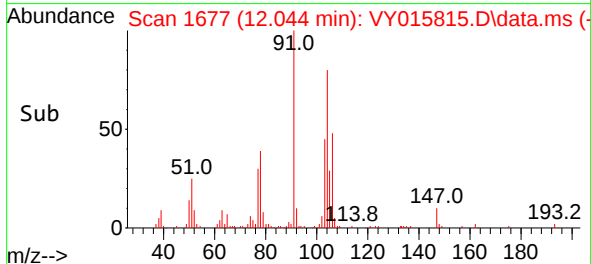
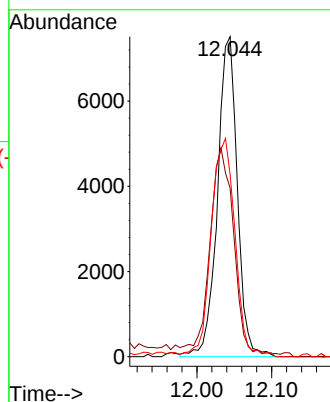
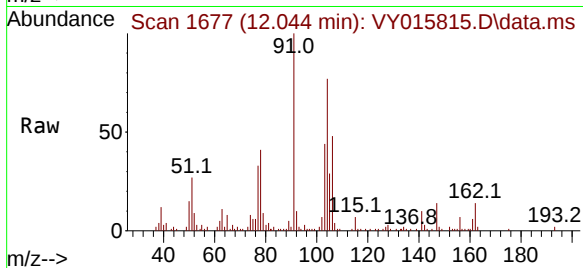
Tgt Ion:104 Resp: 13906

Ion Ratio Lower Upper

104 100

78 75.9 41.5 62.3#

103 81.6 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: VY015815.D

Acq: 03 Oct 2023 18:53

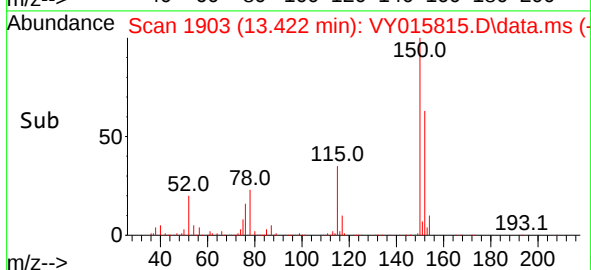
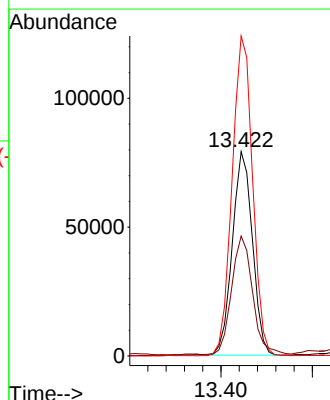
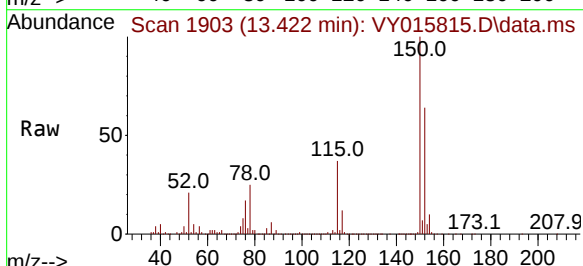
Tgt Ion:152 Resp: 120993

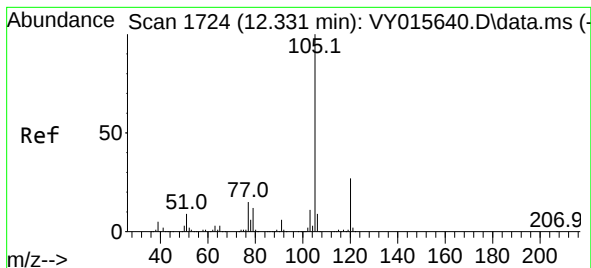
Ion Ratio Lower Upper

152 100

115 60.9 28.8 86.5

150 159.5 0.0 348.8





#73

Isopropylbenzene

Concen: 1.538 ug/l

RT: 12.325 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015815.D

Acq: 03 Oct 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

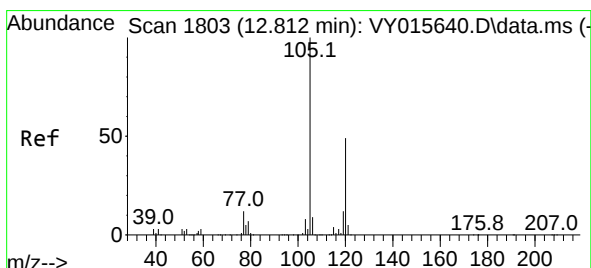
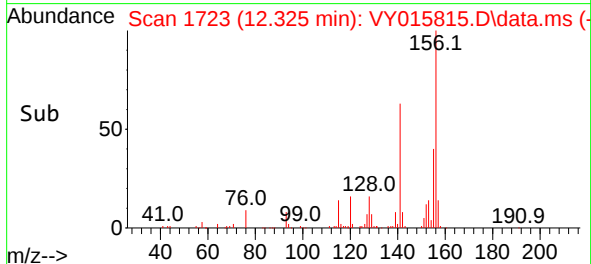
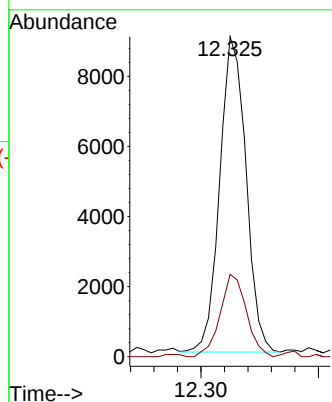
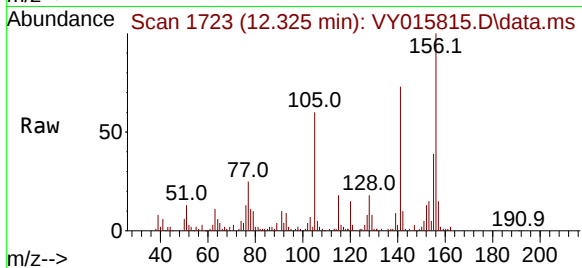
R-2(5-10)

Tgt Ion:105 Resp: 13957

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.9



#80

1,3,5-Trimethylbenzene

Concen: 3.675 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY015815.D

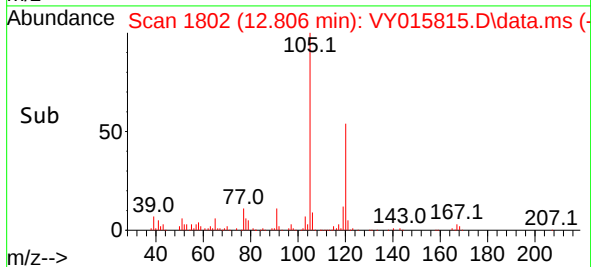
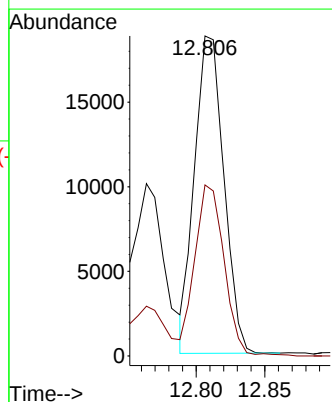
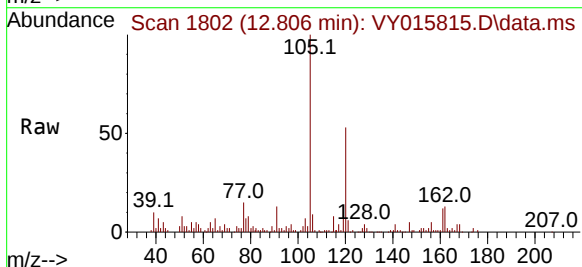
Acq: 03 Oct 2023 18:53

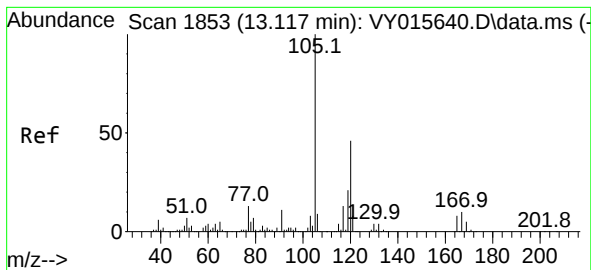
Tgt Ion:105 Resp: 27922

Ion Ratio Lower Upper

105 100

120 53.9 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 10.695 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015815.D

Acq: 03 Oct 2023 18:53

Instrument :

MSVOA_Y

ClientSampleId :

R-2(5-10)

Tgt Ion:105 Resp: 81313

Ion Ratio Lower Upper

105 100

120 46.6 22.2 66.6

