

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015933.D
 Acq On : 11 Oct 2023 18:52
 Operator : SY/MD
 Sample : 04805-07
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP-02

Quant Time: Oct 12 02:00:14 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)

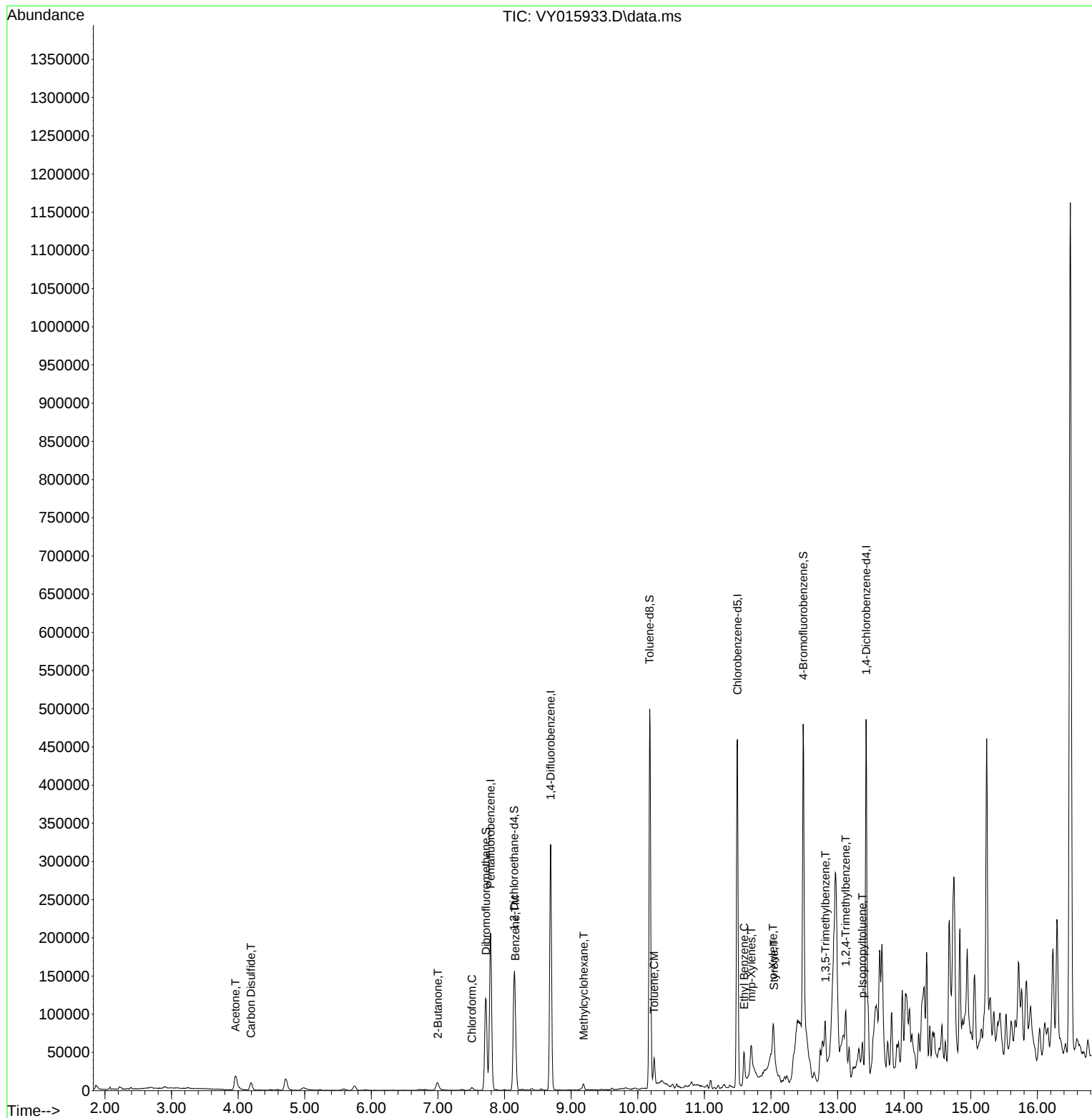
Internal Standards						
1) Pentafluorobenzene	7.789	168	160094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	277948	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	119655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	98295	68.236	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.480%	
35) Dibromofluoromethane	7.722	113	89695	57.855	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.720%	
50) Toluene-d8	10.179	98	332412	65.058	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 130.120%	
62) 4-Bromofluorobenzene	12.483	95	116589	56.179	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.360%	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	41845	64.304	ug/l	90
17) Carbon Disulfide	4.192	76	20635	16.832	ug/l #	95
25) 2-Butanone	6.996	43	9671	12.238	ug/l	93
30) Chloroform	7.509	83	3190	1.138	ug/l	99
39) Methylcyclohexane	9.191	83	3354	1.923	ug/l	88
40) Benzene	8.161	78	57161	10.593	ug/l	99
52) Toluene	10.246	92	14566	4.067	ug/l	99
67) Ethyl Benzene	11.599	91	28958	3.707	ug/l	99
68) m/p-Xylenes	11.703	106	11590	3.938	ug/l	94
69) o-Xylene	12.032	106	10804	3.669	ug/l	100
70) Styrene	12.044	104	9062	1.764	ug/l #	77
80) 1,3,5-Trimethylbenzene	12.819	105	17027	2.737	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	25472	4.066	ug/l	98
86) p-Isopropyltoluene	13.373	119	18666	2.650	ug/l	98

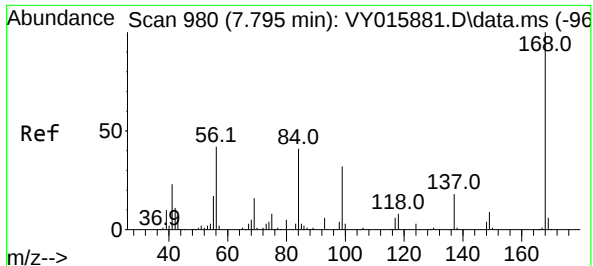
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY0101123\
Data File : VY015933.D
Acq On : 11 Oct 2023 18:52
Operator : SY/MD
Sample : 04805-07
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

Quant Time: Oct 12 02:00:14 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

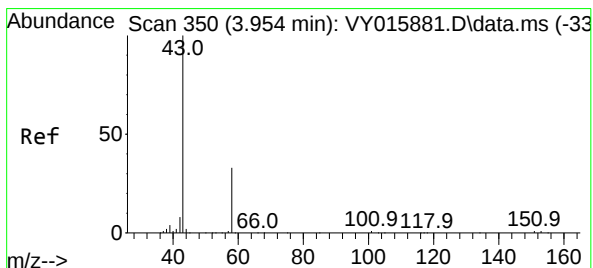
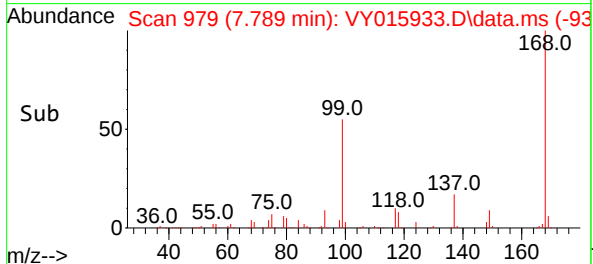
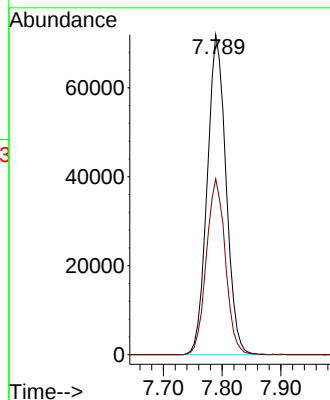
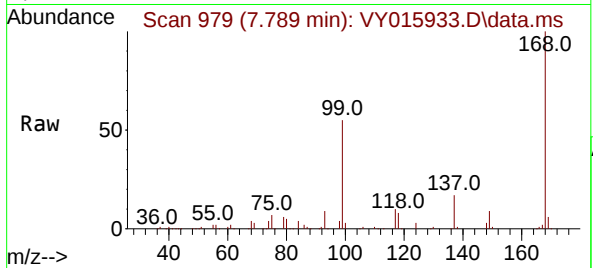




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

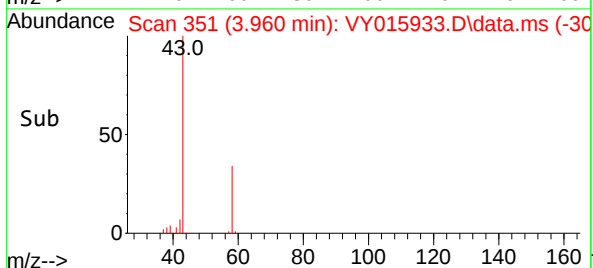
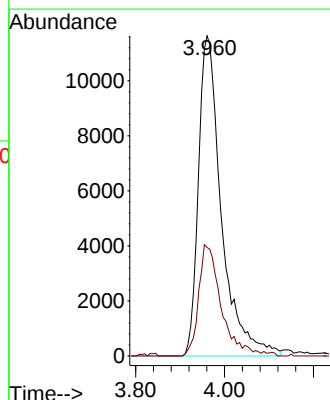
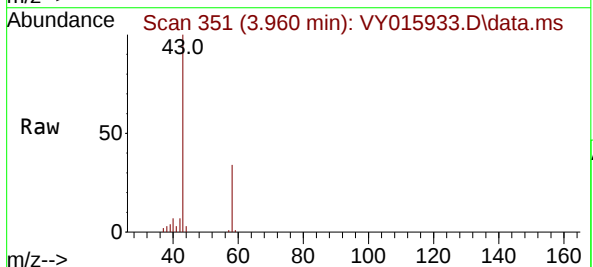
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

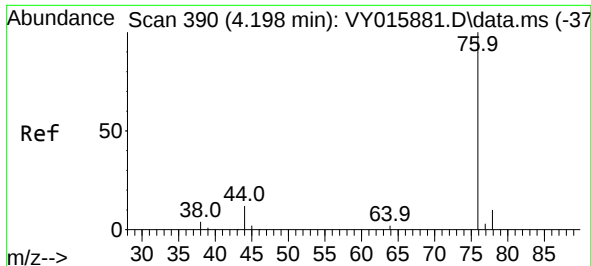
Tgt Ion:168 Resp: 160094
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#16
Acetone
Concen: 64.304 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

Tgt Ion: 43 Resp: 41845
Ion Ratio Lower Upper
43 100
58 33.9 22.7 34.1

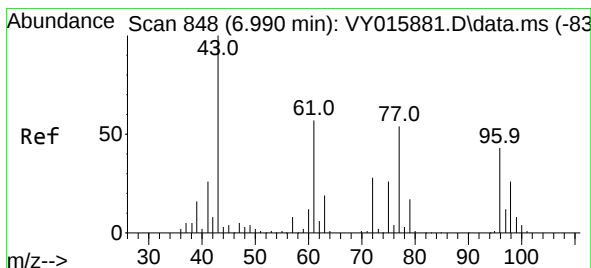
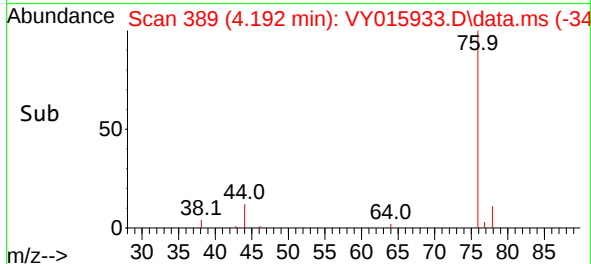
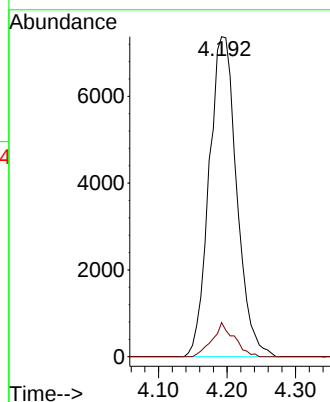
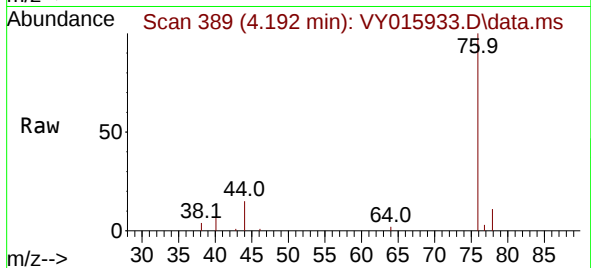




#17
Carbon Disulfide
Concen: 16.832 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

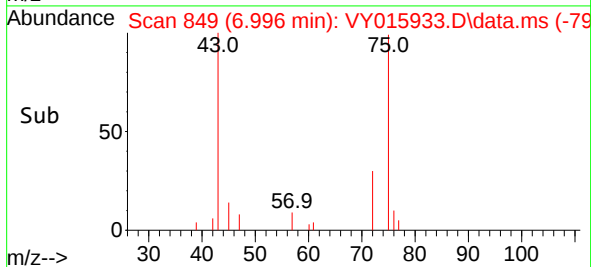
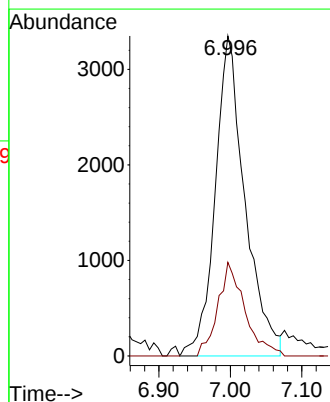
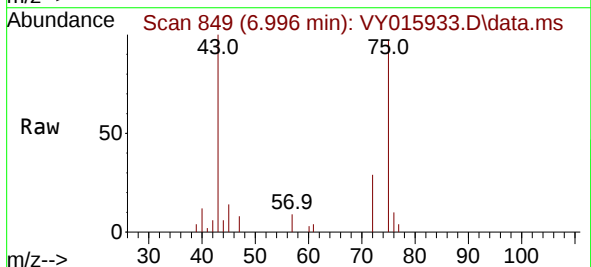
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

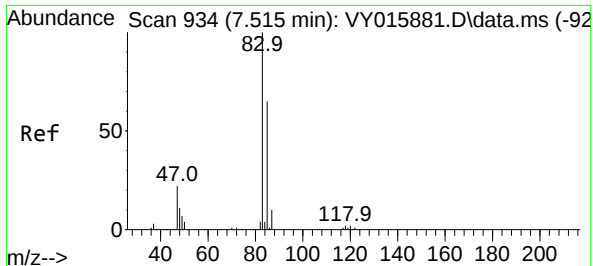
Tgt Ion: 76 Resp: 20635
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.4#



#25
2-Butanone
Concen: 12.238 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

Tgt Ion: 43 Resp: 9671
Ion Ratio Lower Upper
43 100
72 29.2 20.5 30.7

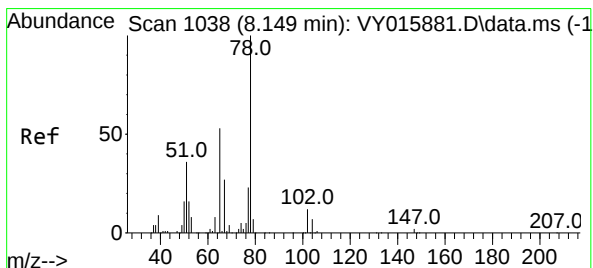
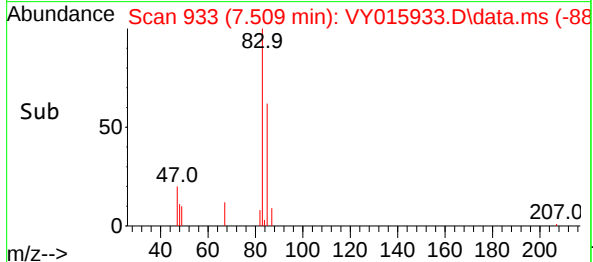
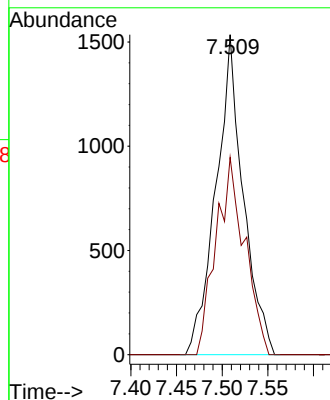
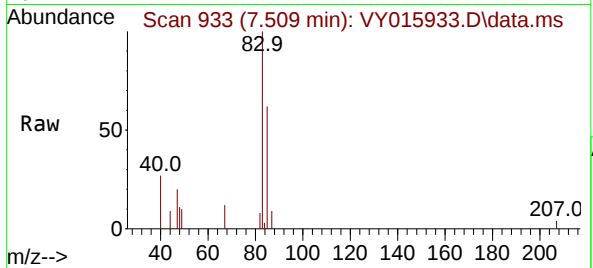




#30
Chloroform
Concen: 1.138 ug/l
RT: 7.509 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

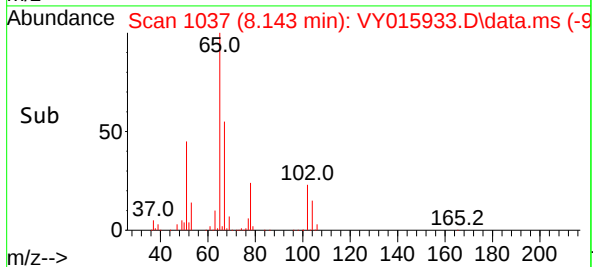
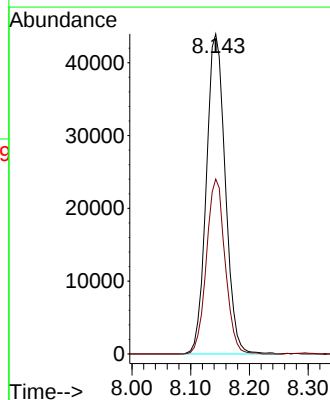
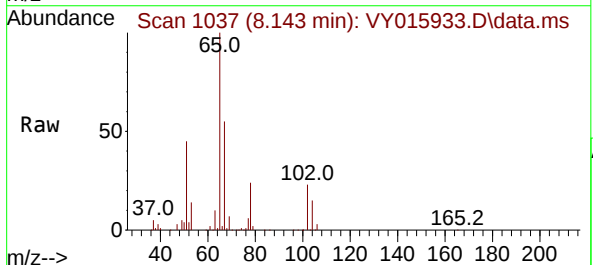
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

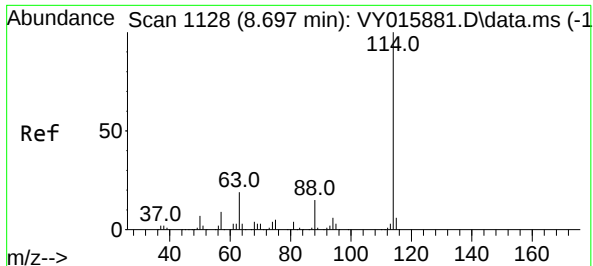
Tgt Ion: 83 Resp: 3190
Ion Ratio Lower Upper
83 100
85 61.6 49.7 74.5



#33
1,2-Dichloroethane-d4
Concen: 68.236 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

Tgt Ion: 65 Resp: 98295
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: VY015933.D

Acq: 11 Oct 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

DUP-02

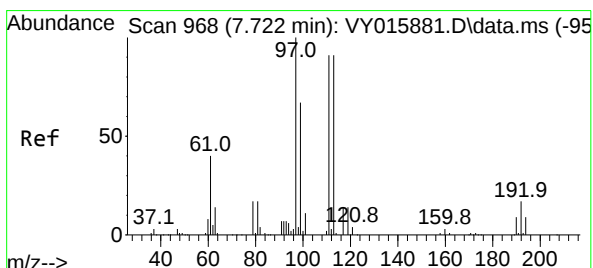
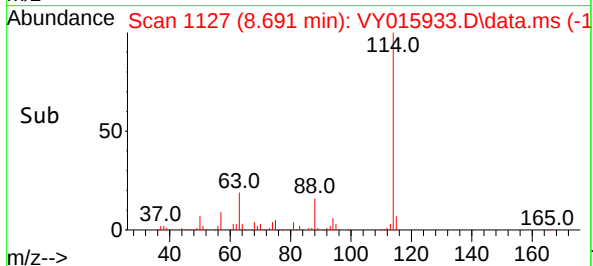
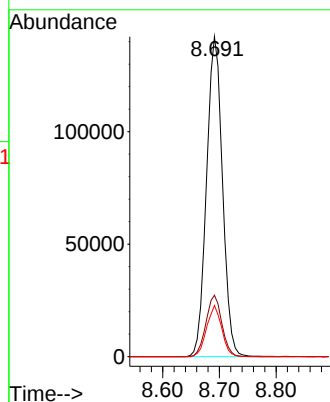
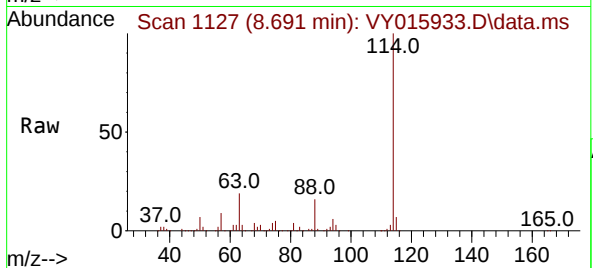
Tgt Ion:114 Resp: 277948

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 16.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 57.855 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY015933.D

Acq: 11 Oct 2023 18:52

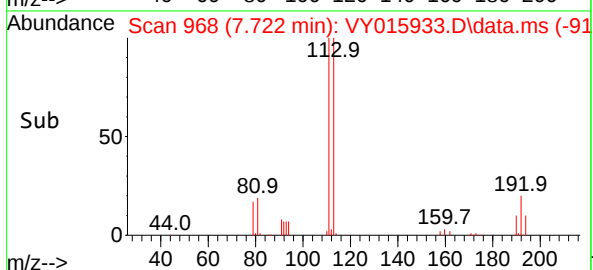
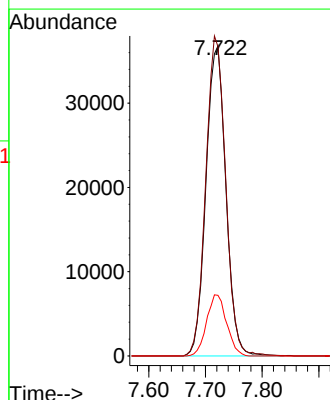
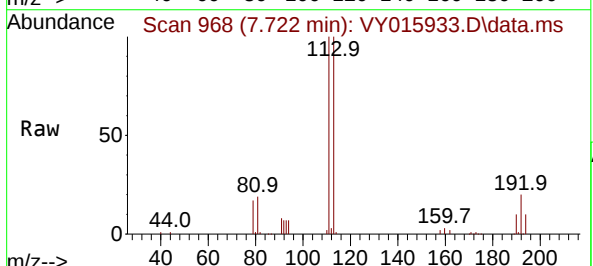
Tgt Ion:113 Resp: 89695

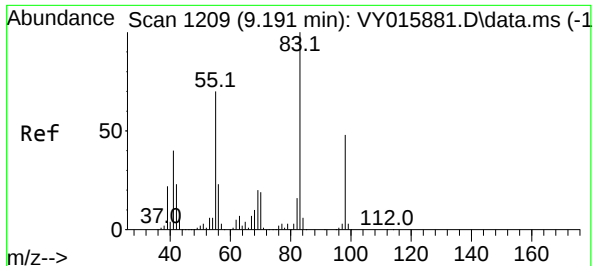
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 19.8 16.9 25.3





#39

Methylcyclohexane

Concen: 1.923 ug/l

RT: 9.191 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015933.D

Acq: 11 Oct 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

DUP-02

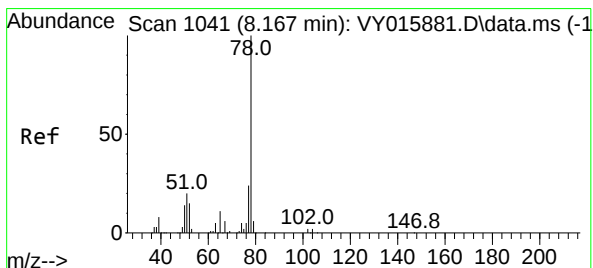
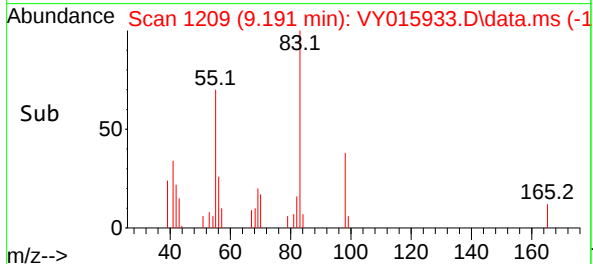
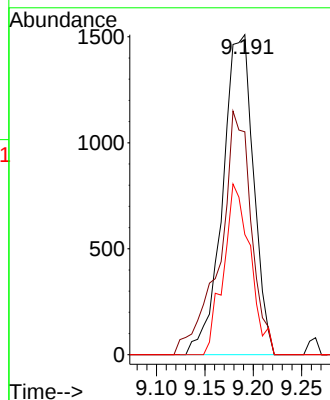
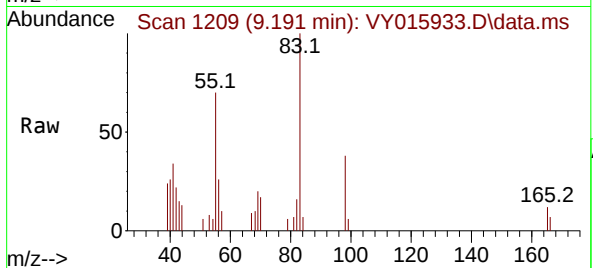
Tgt Ion: 83 Resp: 3354

Ion Ratio Lower Upper

83 100

55 69.7 63.0 94.4

98 37.5 37.4 56.2



#40

Benzene

Concen: 10.593 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY015933.D

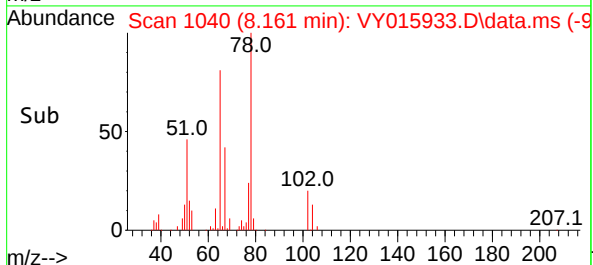
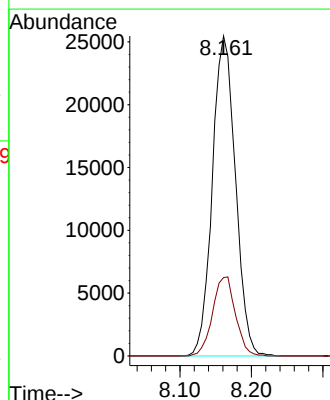
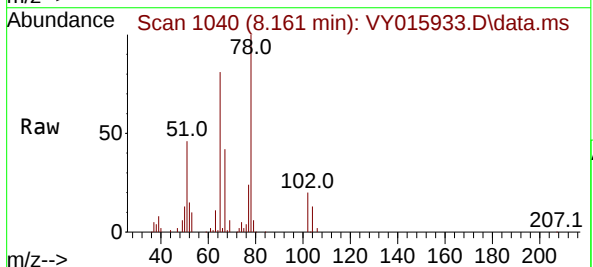
Acq: 11 Oct 2023 18:52

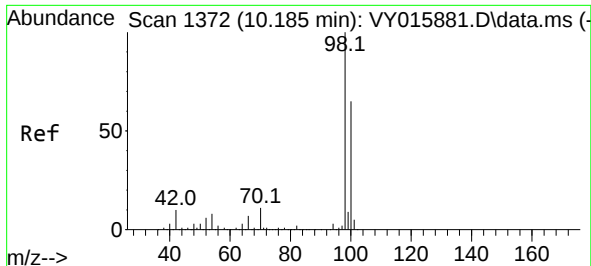
Tgt Ion: 78 Resp: 57161

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.6

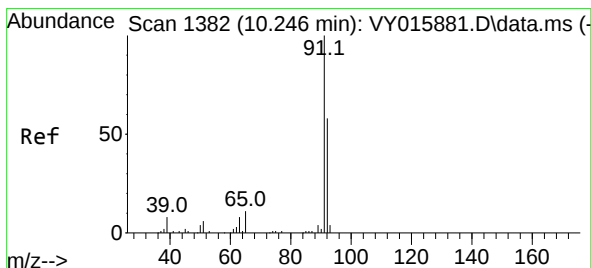
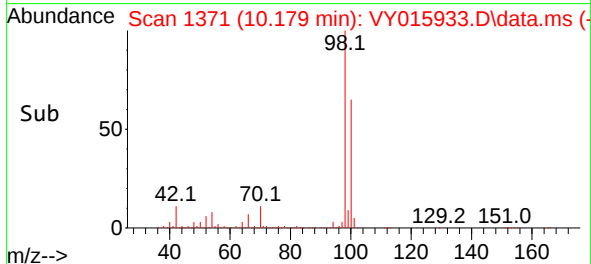
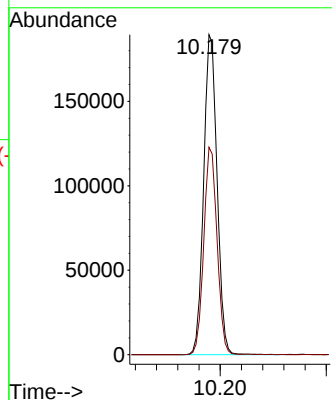
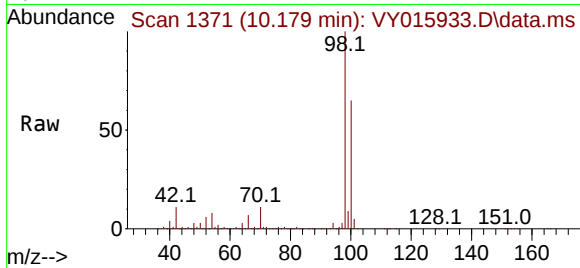




#50
Toluene-d8
Concen: 65.058 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

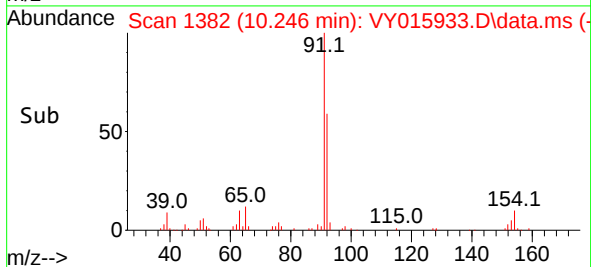
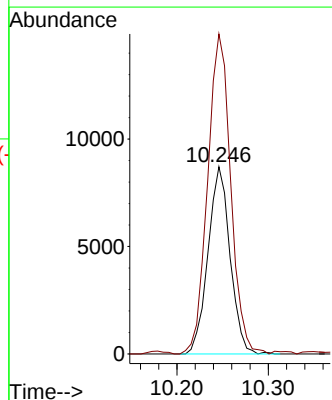
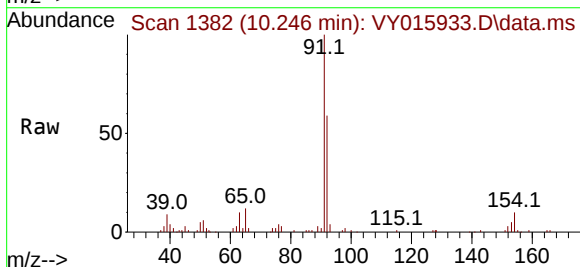
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

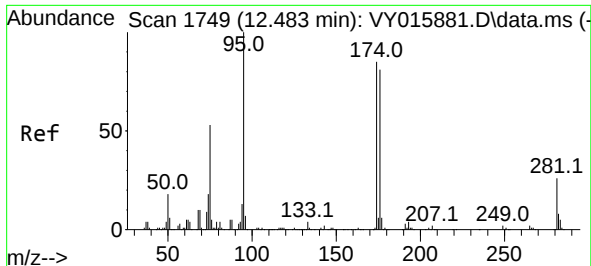
Tgt Ion: 98 Resp: 332412
Ion Ratio Lower Upper
98 100
100 64.1 50.1 75.1



#52
Toluene
Concen: 4.067 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

Tgt Ion: 92 Resp: 14566
Ion Ratio Lower Upper
92 100
91 178.9 143.8 215.6

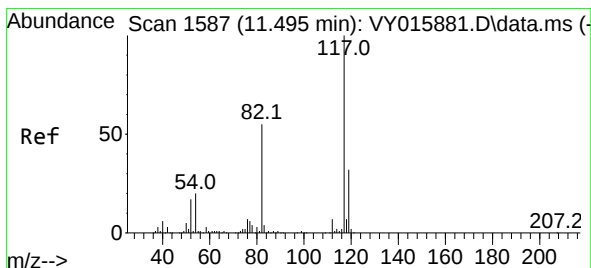
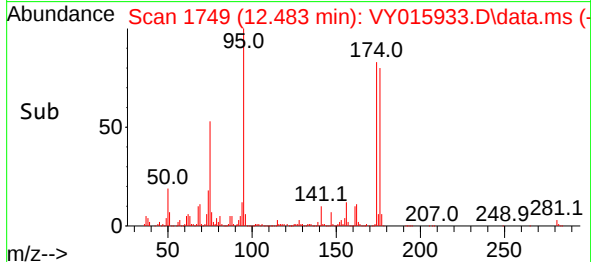
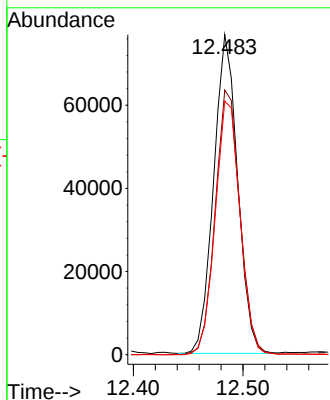
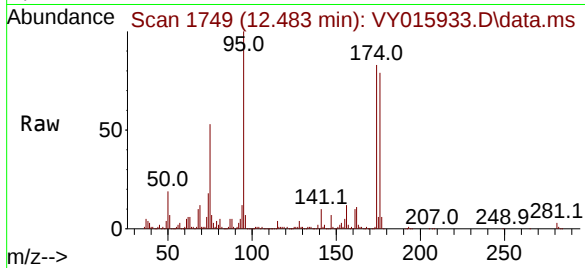




#62
4-Bromofluorobenzene
Concen: 56.179 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

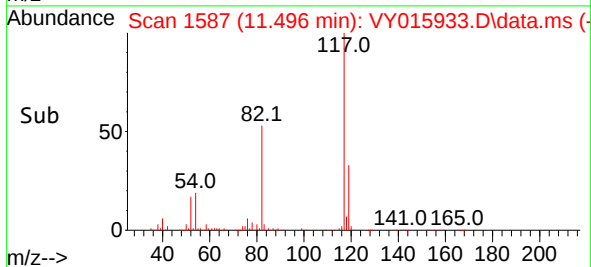
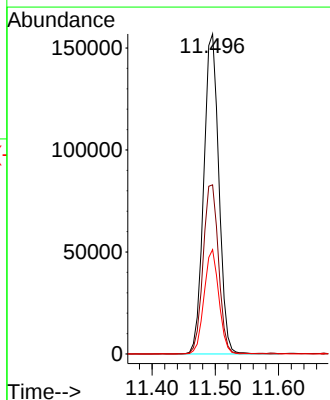
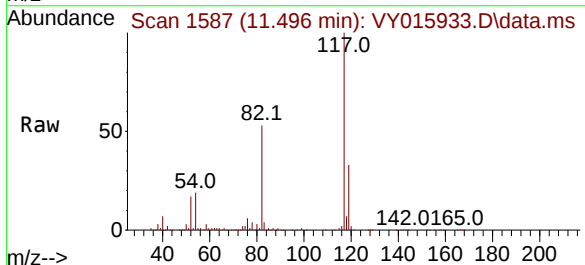
Instrument :
MSVOA_Y
ClientSampleId :
DUP-02

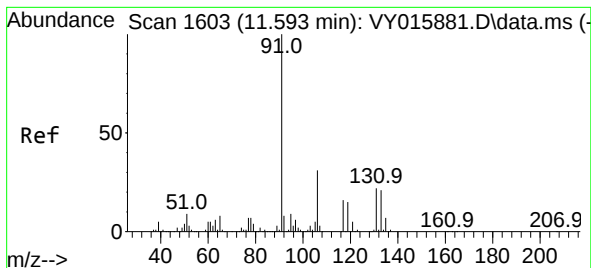
Tgt Ion: 95 Resp: 116589
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 82.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY015933.D
Acq: 11 Oct 2023 18:52

Tgt Ion: 117 Resp: 261019
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 32.6 26.3 39.5





#67

Ethyl Benzene

Concen: 3.707 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.006 min

Lab File: VY015933.D

Acq: 11 Oct 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

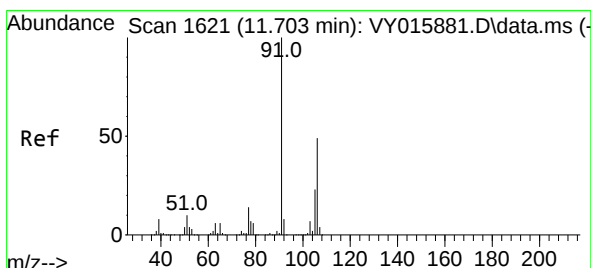
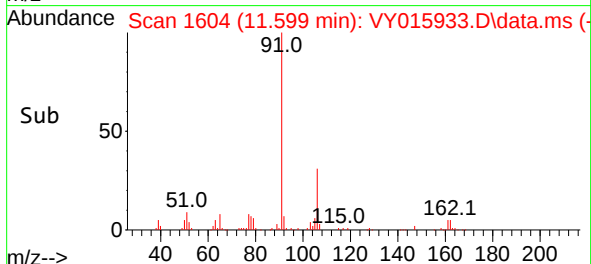
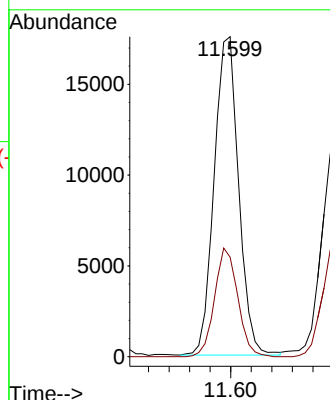
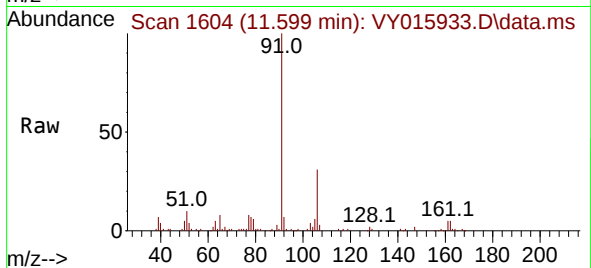
DUP-02

Tgt Ion: 91 Resp: 28958

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



#68

m/p-Xylenes

Concen: 3.938 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.000 min

Lab File: VY015933.D

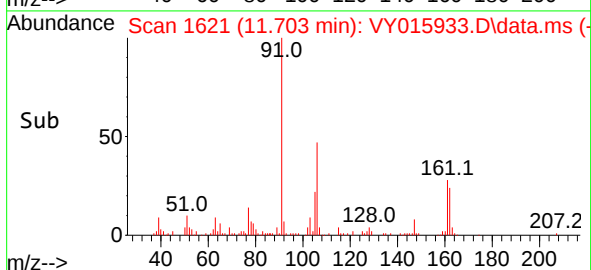
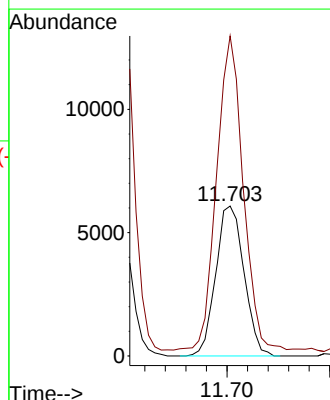
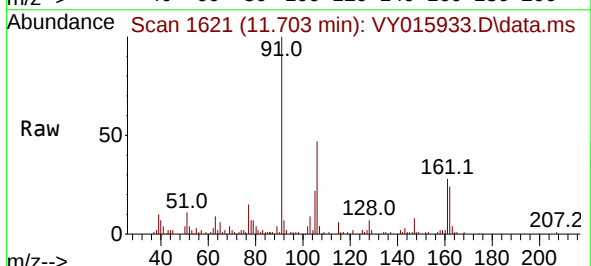
Acq: 11 Oct 2023 18:52

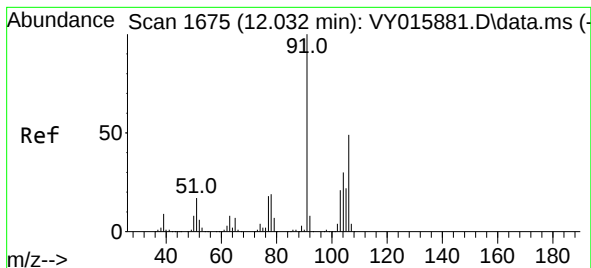
Tgt Ion:106 Resp: 11590

Ion Ratio Lower Upper

106 100

91 198.0 166.1 249.1





#69

o-Xylene

Concen: 3.669 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015933.D

Acq: 11 Oct 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

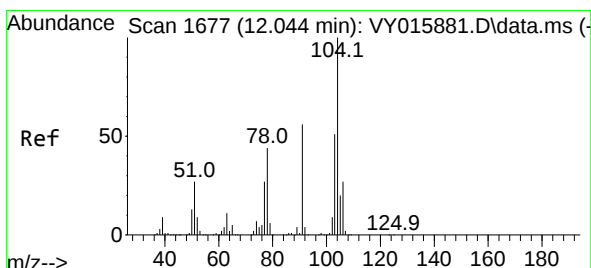
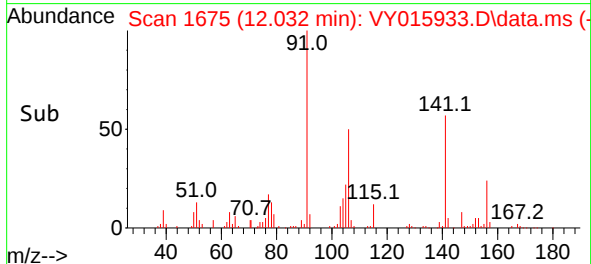
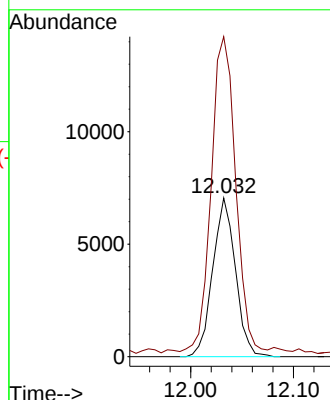
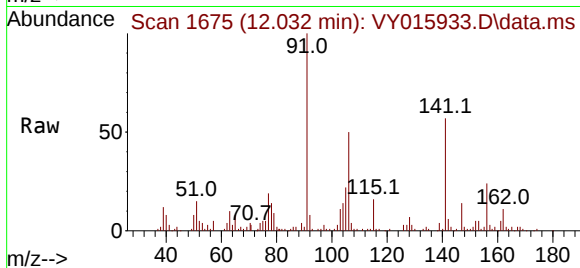
DUP-02

Tgt Ion:106 Resp: 10804

Ion Ratio Lower Upper

106 100

91 215.8 108.1 324.3



#70

Styrene

Concen: 1.764 ug/l

RT: 12.044 min Scan# 1677

Delta R.T. 0.000 min

Lab File: VY015933.D

Acq: 11 Oct 2023 18:52

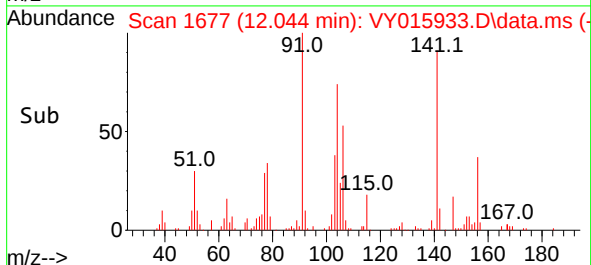
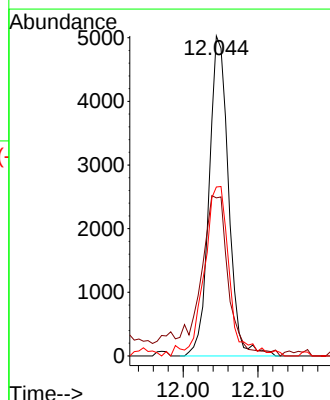
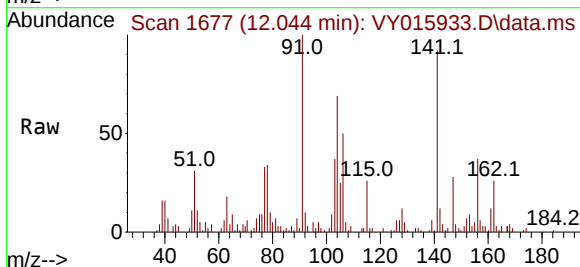
Tgt Ion:104 Resp: 9062

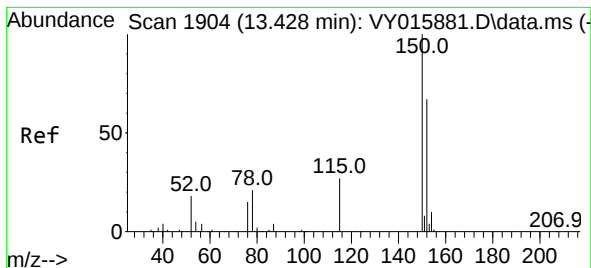
Ion Ratio Lower Upper

104 100

78 71.7 41.5 62.3#

103 69.3 44.6 67.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY015933.D

Acq: 11 Oct 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

DUP-02

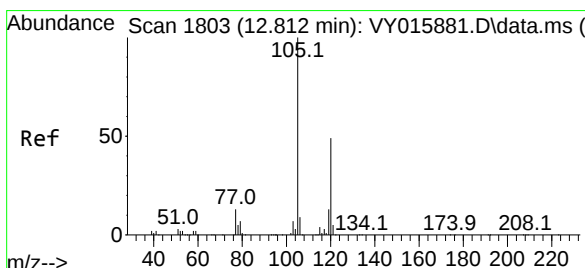
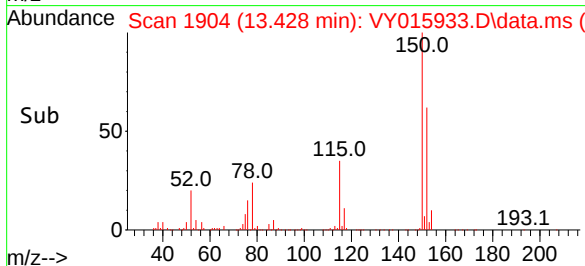
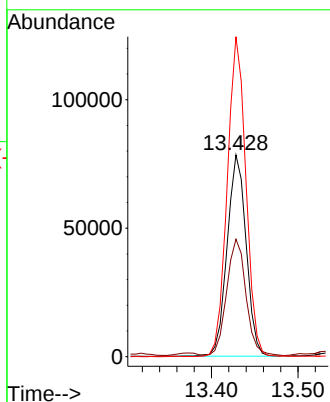
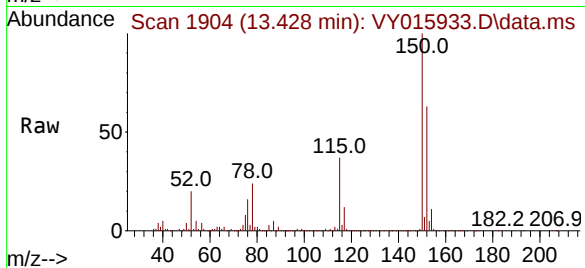
Tgt Ion:152 Resp: 119655

Ion Ratio Lower Upper

152 100

115 58.4 28.8 86.5

150 155.4 0.0 348.8



#80

1,3,5-Trimethylbenzene

Concen: 2.737 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.006 min

Lab File: VY015933.D

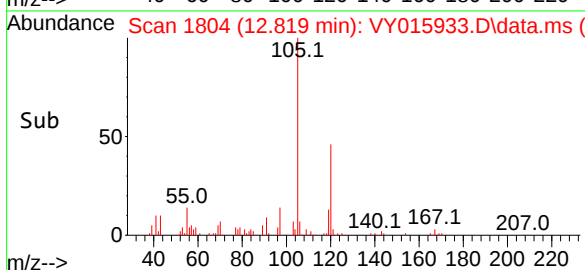
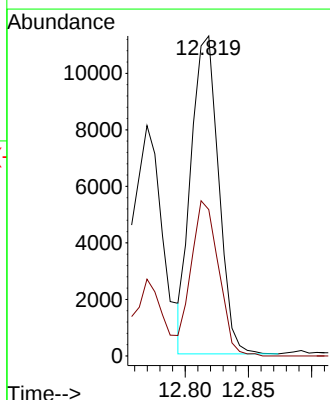
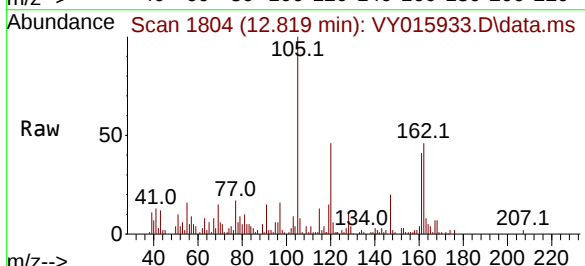
Acq: 11 Oct 2023 18:52

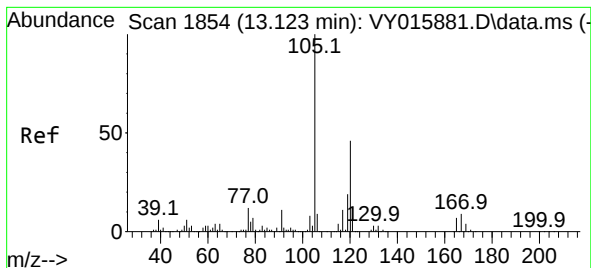
Tgt Ion:105 Resp: 17027

Ion Ratio Lower Upper

105 100

120 48.7 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 4.066 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY015933.D

Acq: 11 Oct 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

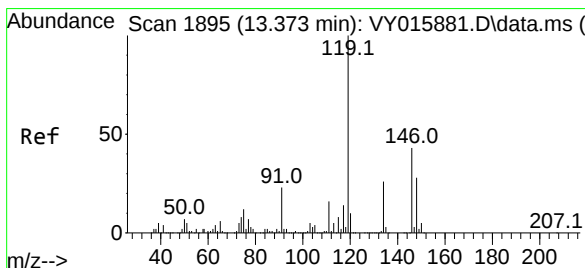
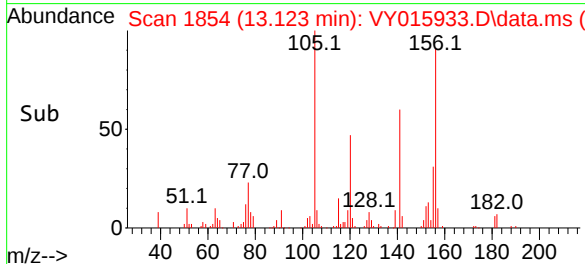
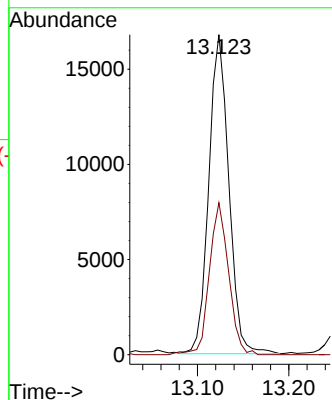
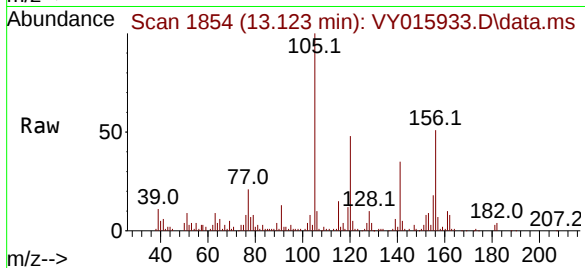
DUP-02

Tgt Ion:105 Resp: 25472

Ion Ratio Lower Upper

105 100

120 45.8 22.2 66.6



#86

p-Isopropyltoluene

Concen: 2.650 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY015933.D

Acq: 11 Oct 2023 18:52

Tgt Ion:119 Resp: 18666

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 26.4 12.4 37.4

