

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
 Data File : VY015936.D
 Acq On : 11 Oct 2023 20:03
 Operator : SY/MD
 Sample : 04841-02
 Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 M-3(0-5)

Quant Time: Oct 12 02:01:35 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)

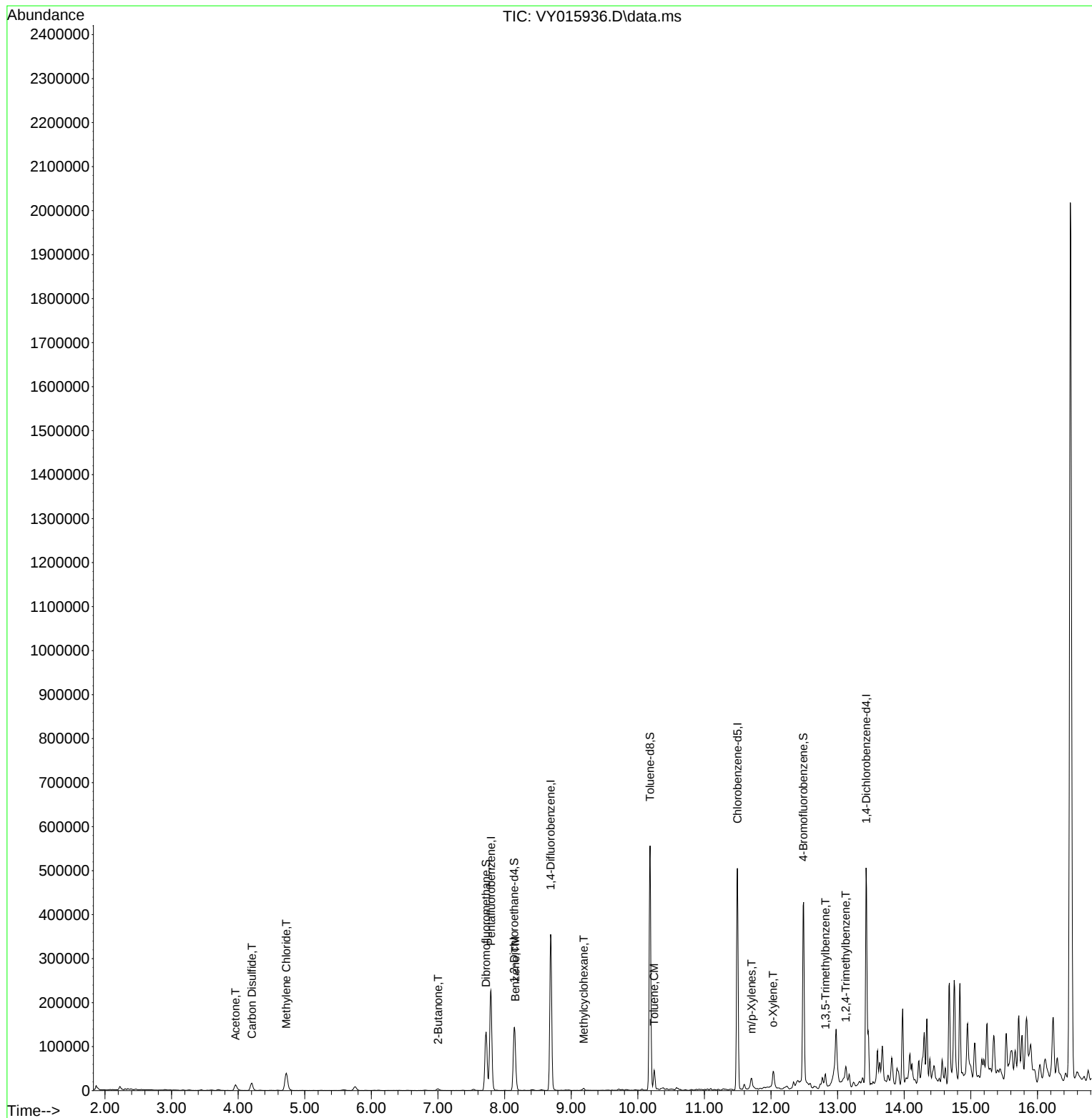
Internal Standards						
1) Pentafluorobenzene	7.795	168	182390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310656	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	280231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	104751	63.828	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.660%	
35) Dibromofluoromethane	7.722	113	97492	56.264	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.520%	
50) Toluene-d8	10.185	98	365038	63.922	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 127.840%	
62) 4-Bromofluorobenzene	12.483	95	123994	53.456	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 106.920%	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	22282	32.888	ug/l #	89
17) Carbon Disulfide	4.204	76	34468	23.408	ug/l #	94
20) Methylene Chloride	4.722	84	30920	10.703	ug/l	89
25) 2-Butanone	7.002	43	6302	7.000	ug/l #	89
39) Methylcyclohexane	9.191	83	2019	1.036	ug/l #	82
40) Benzene	8.161	78	28667	4.753	ug/l	96
52) Toluene	10.246	92	18535	4.630	ug/l	93
68) m/p-Xylenes	11.709	106	7453	2.359	ug/l	98
69) o-Xylene	12.032	106	9242	2.923	ug/l	97
80) 1,3,5-Trimethylbenzene	12.819	105	10077	1.519	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	13361	2.000	ug/l	98

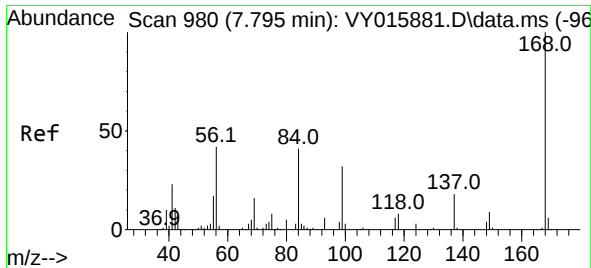
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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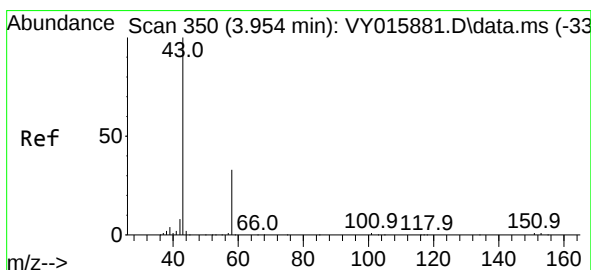
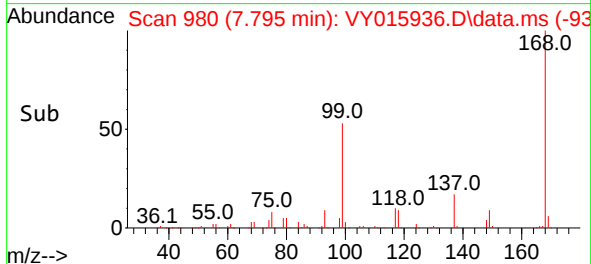
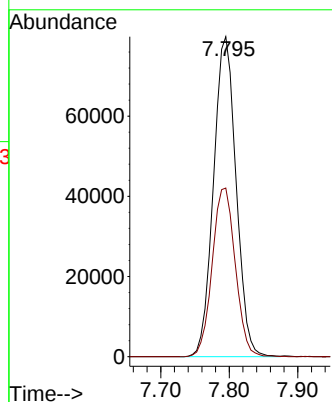
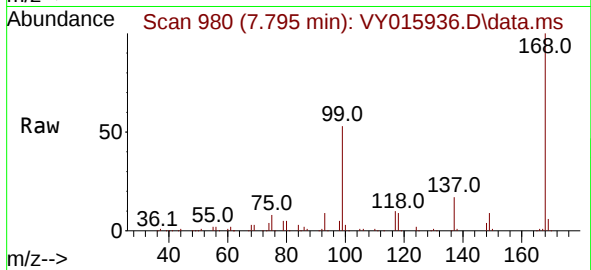




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY015936.D
Acq: 11 Oct 2023 20:03

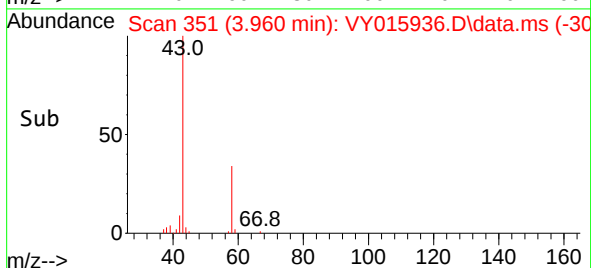
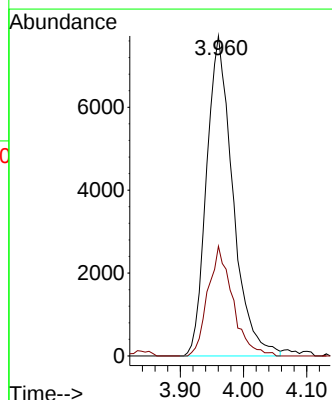
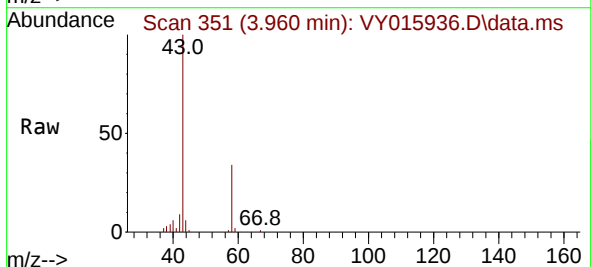
Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

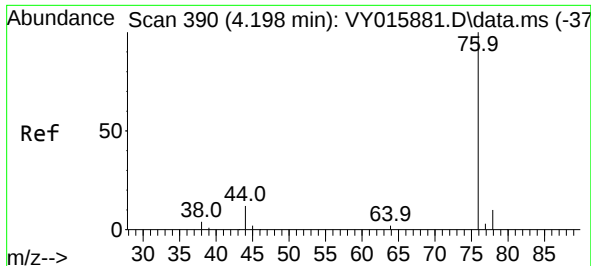
Tgt Ion:168 Resp: 182390
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#16
Acetone
Concen: 32.888 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY015936.D
Acq: 11 Oct 2023 20:03

Tgt Ion: 43 Resp: 22282
Ion Ratio Lower Upper
43 100
58 34.3 22.7 34.1#





#17

Carbon Disulfide

Concen: 23.408 ug/l

RT: 4.204 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY015936.D

Acq: 11 Oct 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

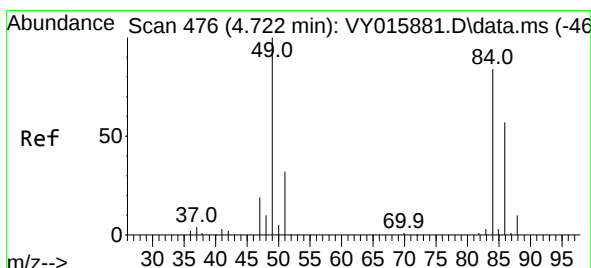
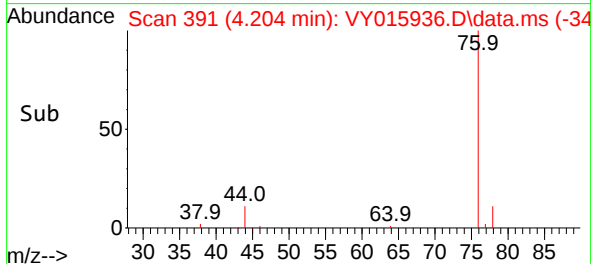
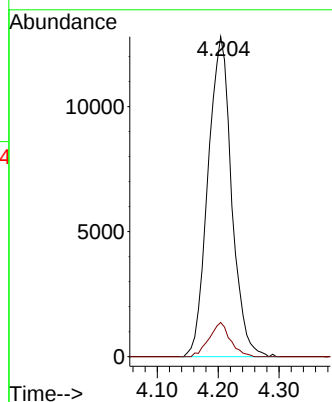
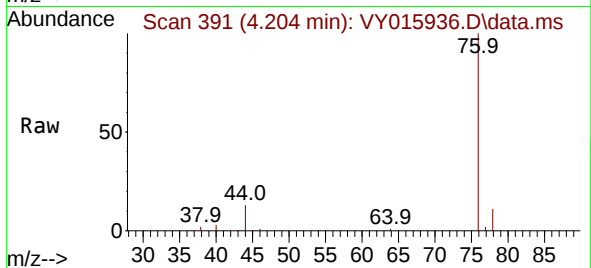
M-3(0-5)

Tgt Ion: 76 Resp: 34468

Ion Ratio Lower Upper

76 100

78 10.7 7.0 10.4#



#20

Methylene Chloride

Concen: 10.703 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.000 min

Lab File: VY015936.D

Acq: 11 Oct 2023 20:03

Tgt Ion: 84 Resp: 30920

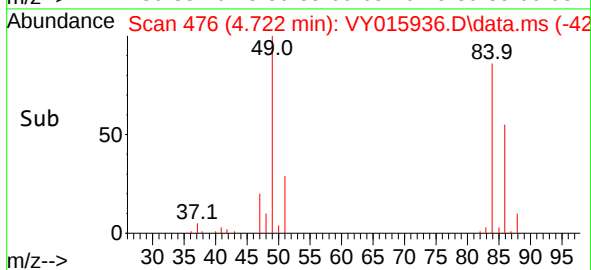
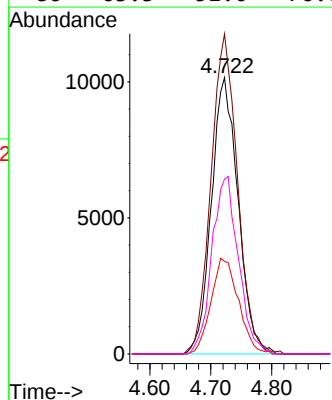
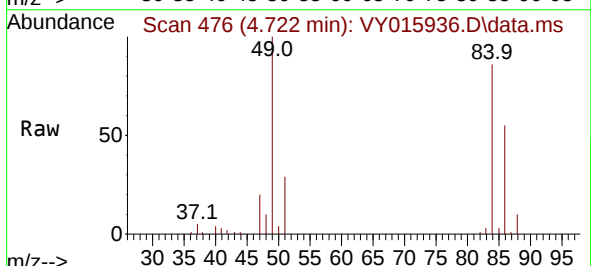
Ion Ratio Lower Upper

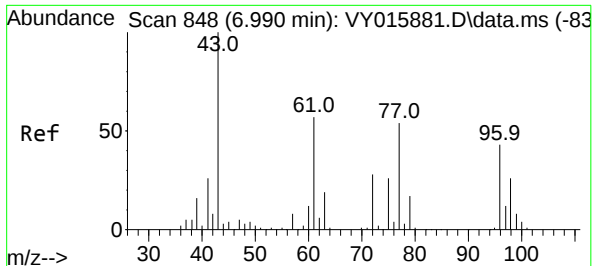
84 100

49 115.8 106.9 160.3

51 33.5 33.2 49.8

86 63.3 51.0 76.6





#25

2-Butanone

Concen: 7.000 ug/l

RT: 7.002 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY015936.D

Acq: 11 Oct 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

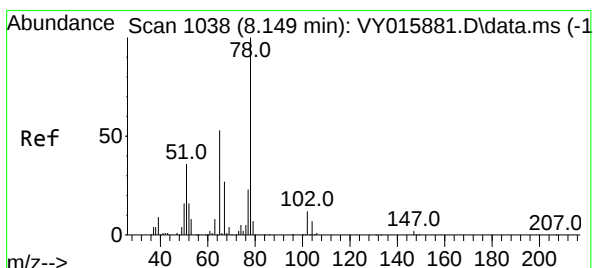
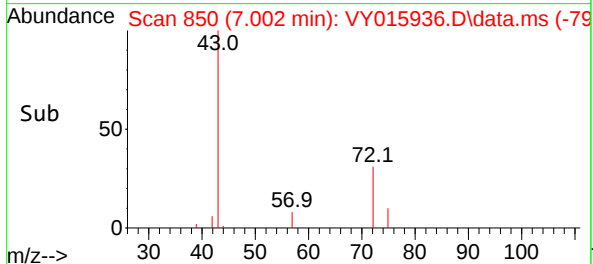
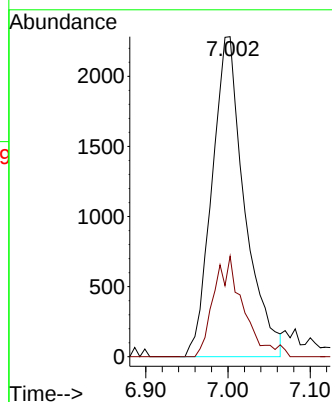
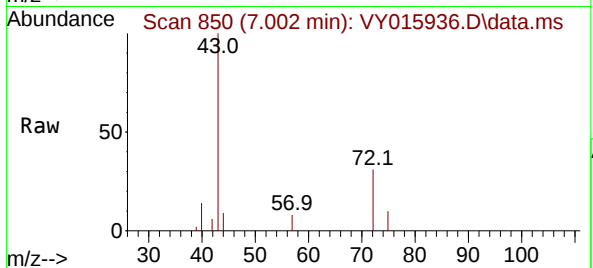
M-3(0-5)

Tgt Ion: 43 Resp: 6302

Ion Ratio Lower Upper

43 100

72 31.4 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 63.828 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY015936.D

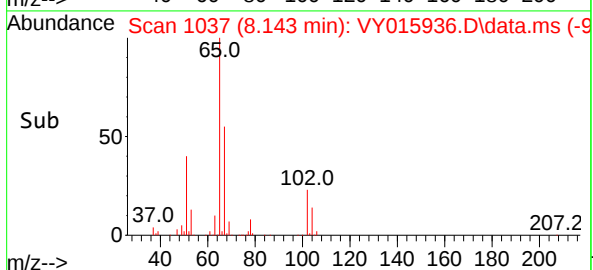
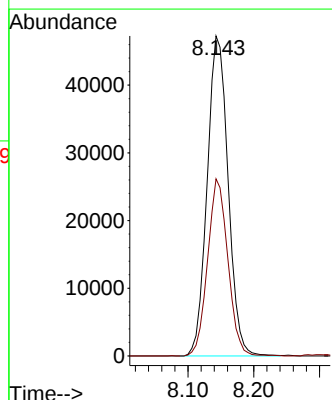
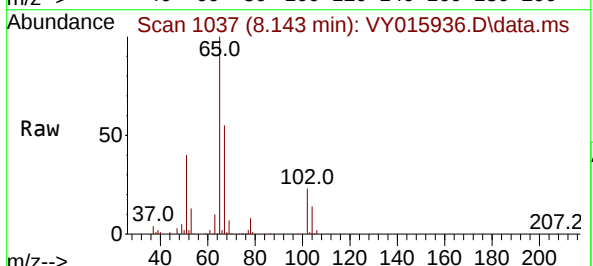
Acq: 11 Oct 2023 20:03

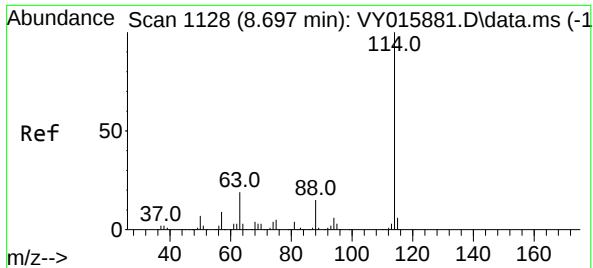
Tgt Ion: 65 Resp: 104751

Ion Ratio Lower Upper

65 100

67 53.6 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: VY015936.D

Acq: 11 Oct 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

M-3(0-5)

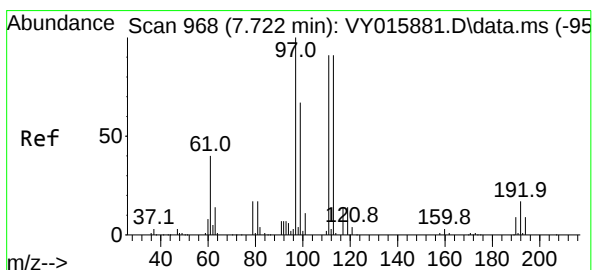
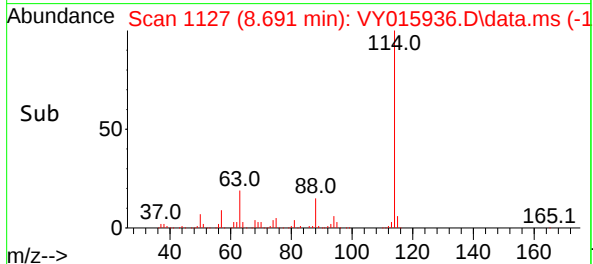
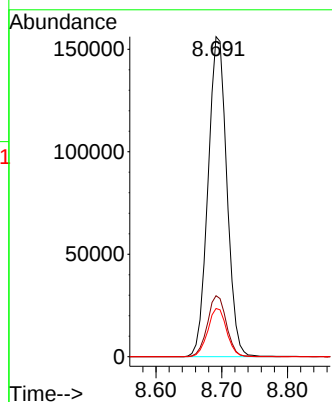
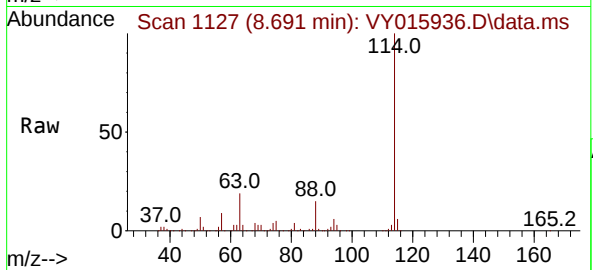
Tgt Ion:114 Resp: 310656

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.264 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY015936.D

Acq: 11 Oct 2023 20:03

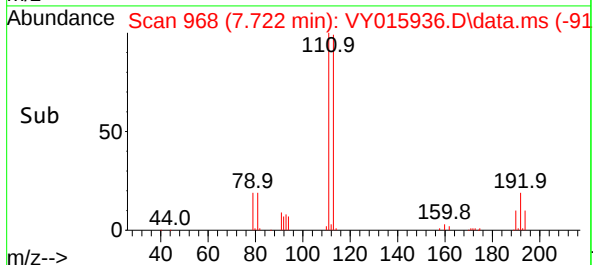
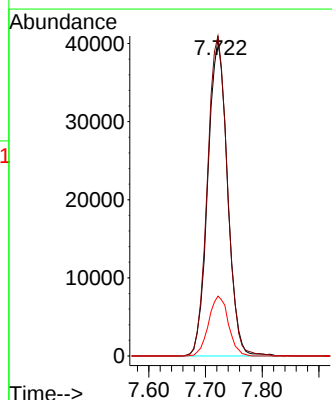
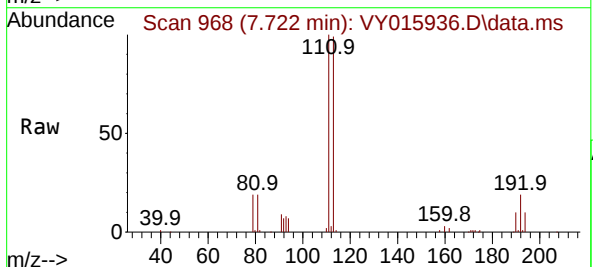
Tgt Ion:113 Resp: 97492

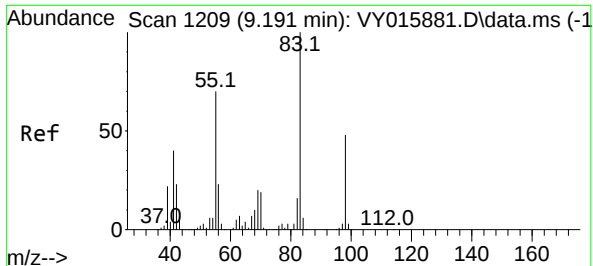
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 19.1 16.9 25.3





#39

Methylcyclohexane

Concen: 1.036 ug/l

RT: 9.191 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015936.D

Acq: 11 Oct 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

M-3(0-5)

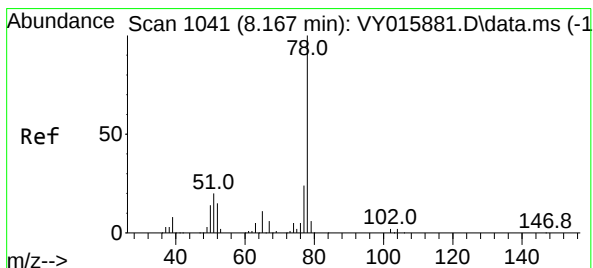
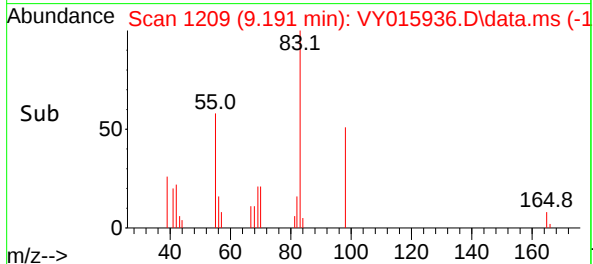
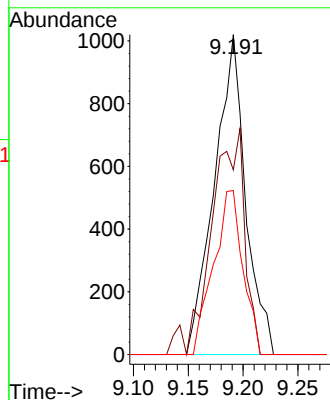
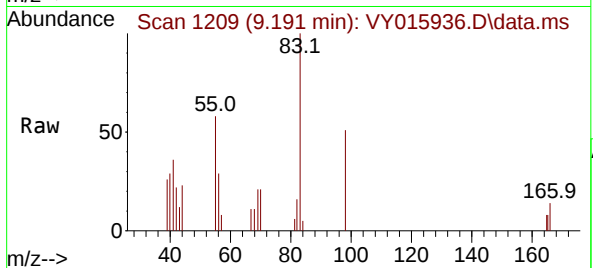
Tgt Ion: 83 Resp: 2019

Ion Ratio Lower Upper

83 100

55 57.7 63.0 94.4#

98 51.3 37.4 56.2



#40

Benzene

Concen: 4.753 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY015936.D

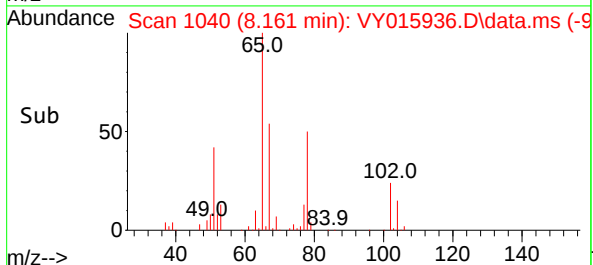
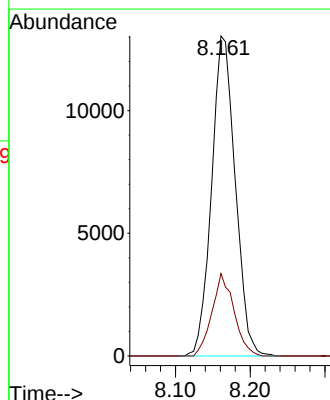
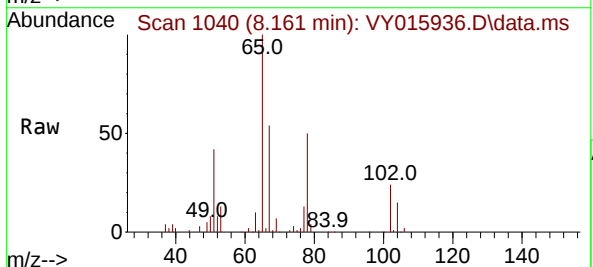
Acq: 11 Oct 2023 20:03

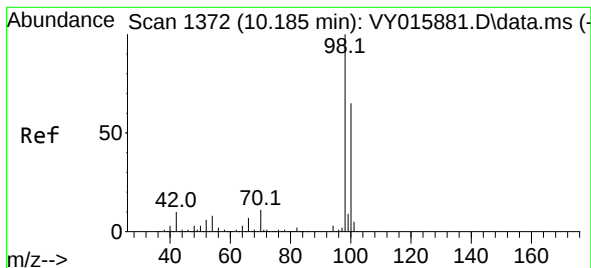
Tgt Ion: 78 Resp: 28667

Ion Ratio Lower Upper

78 100

77 25.8 19.0 28.6





#50

Toluene-d8

Concen: 63.922 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY015936.D

Acq: 11 Oct 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

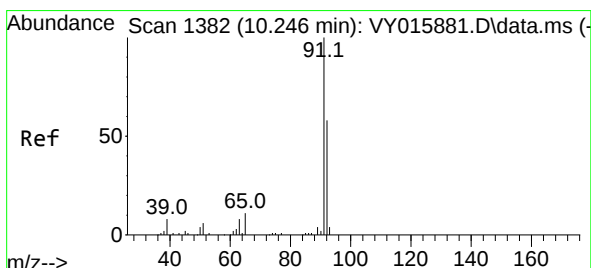
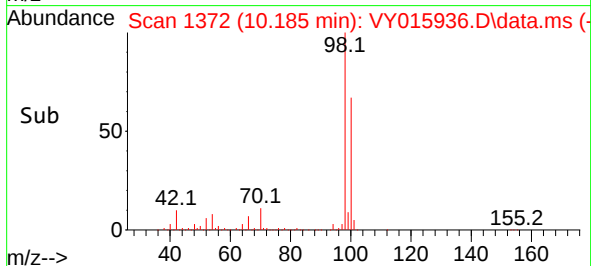
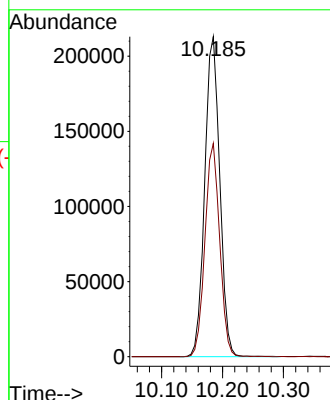
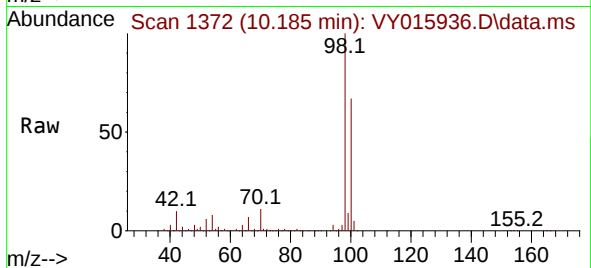
M-3(0-5)

Tgt Ion: 98 Resp: 365038

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1



#52

Toluene

Concen: 4.630 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. 0.000 min

Lab File: VY015936.D

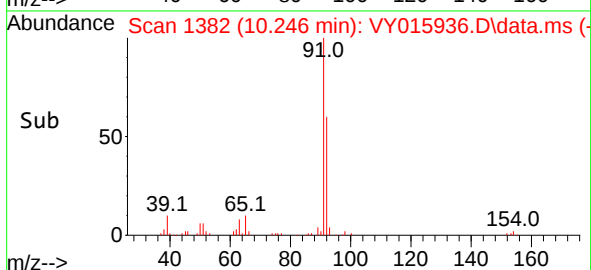
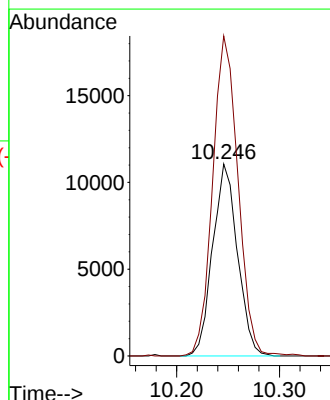
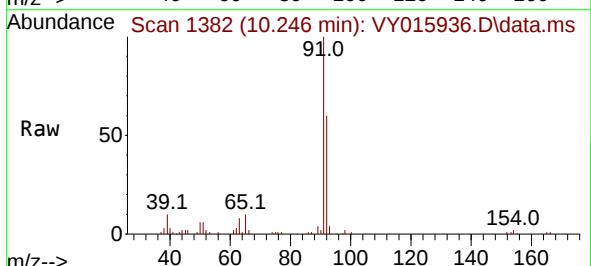
Acq: 11 Oct 2023 20:03

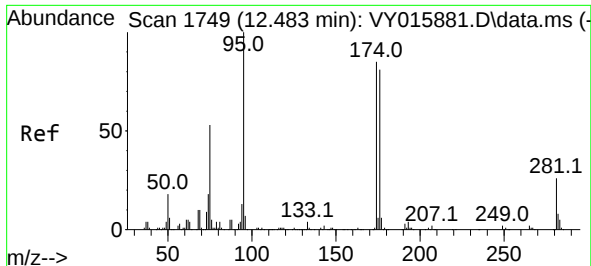
Tgt Ion: 92 Resp: 18535

Ion Ratio Lower Upper

92 100

91 170.4 143.8 215.6

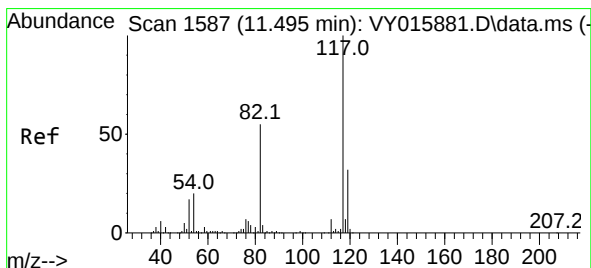
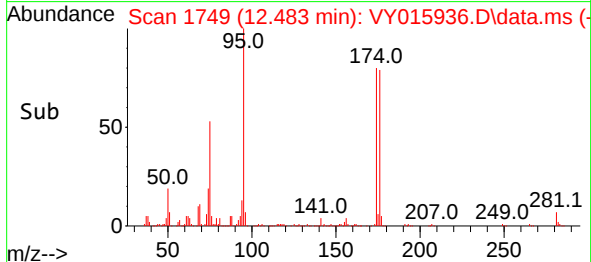
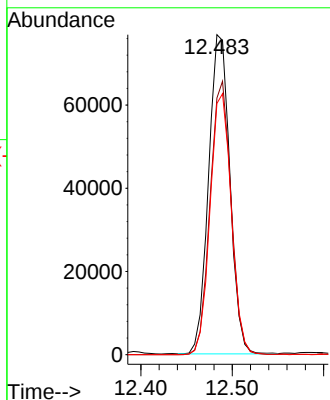
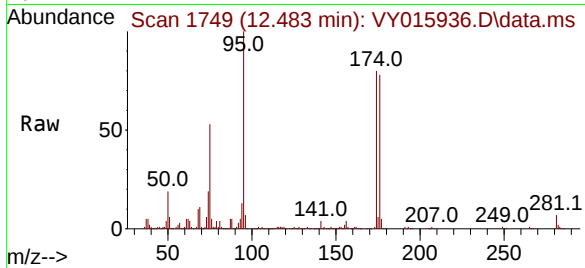




#62
4-Bromofluorobenzene
Concen: 53.456 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY015936.D
Acq: 11 Oct 2023 20:03

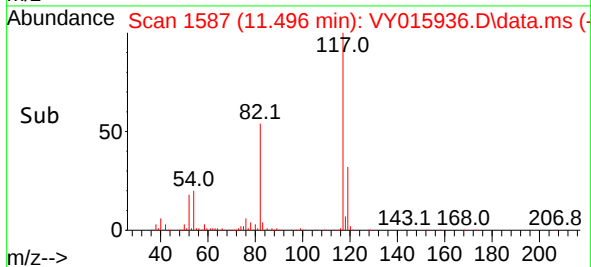
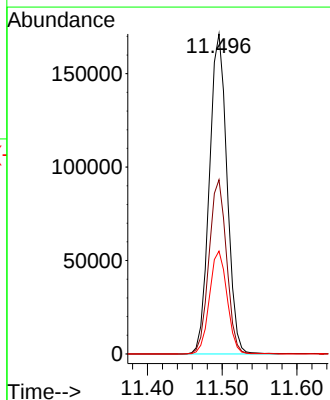
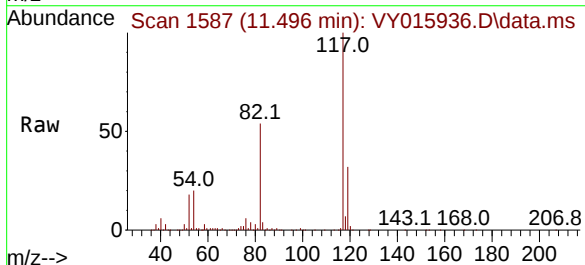
Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

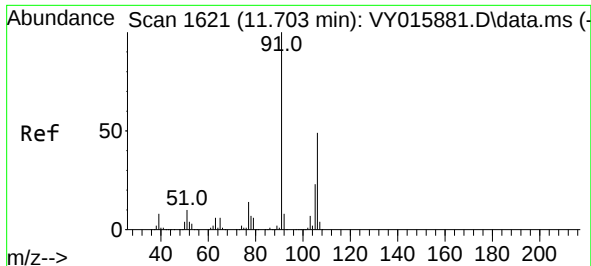
Tgt Ion: 95 Resp: 123994
Ion Ratio Lower Upper
95 100
174 84.6 0.0 178.2
176 81.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY015936.D
Acq: 11 Oct 2023 20:03

Tgt Ion: 117 Resp: 280231
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 32.2 26.3 39.5

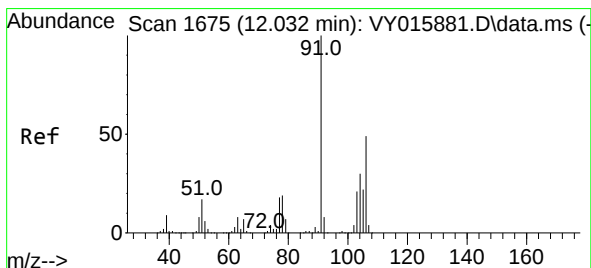
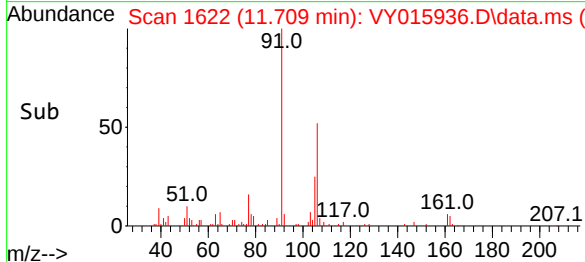
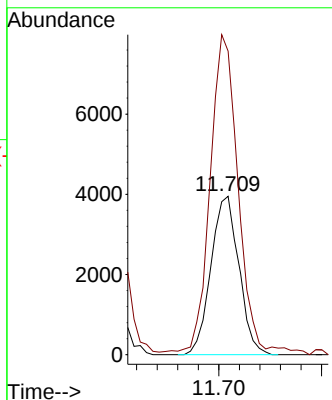
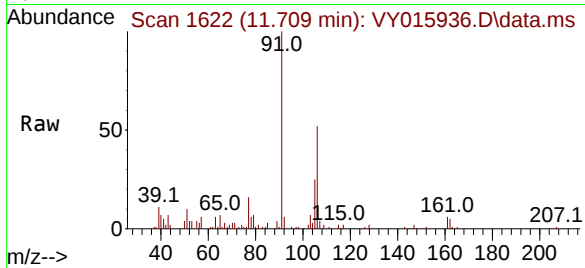




#68
m/p-Xylenes
Concen: 2.359 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY015936.D
Acq: 11 Oct 2023 20:03

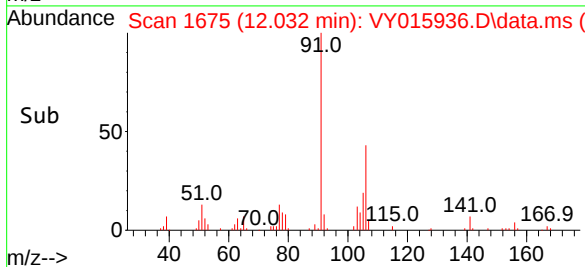
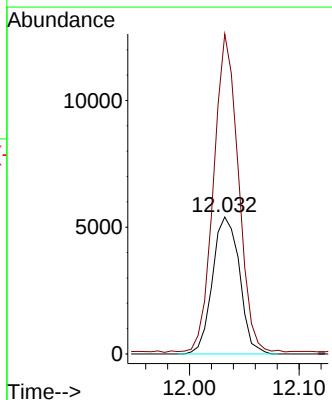
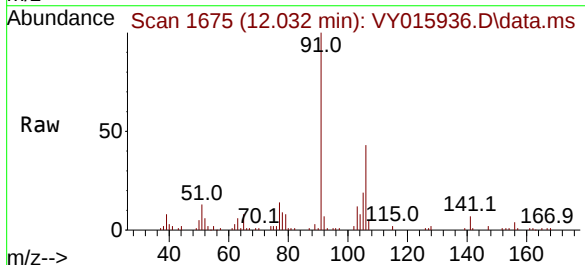
Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

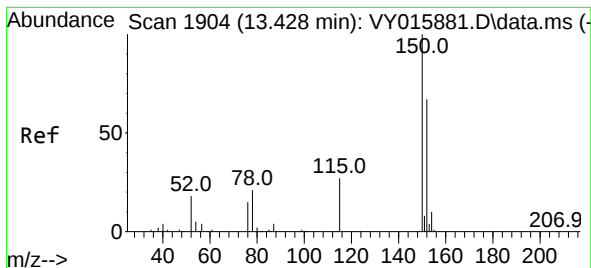
Tgt Ion:106 Resp: 7453
Ion Ratio Lower Upper
106 100
91 205.2 166.1 249.1



#69
o-Xylene
Concen: 2.923 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY015936.D
Acq: 11 Oct 2023 20:03

Tgt Ion:106 Resp: 9242
Ion Ratio Lower Upper
106 100
91 211.9 108.1 324.3

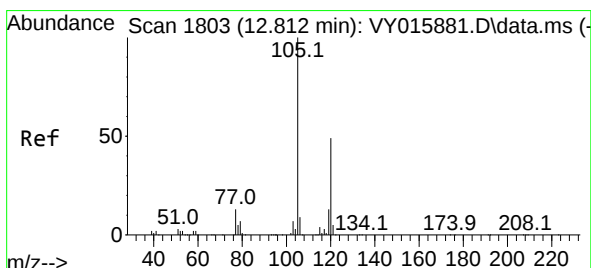
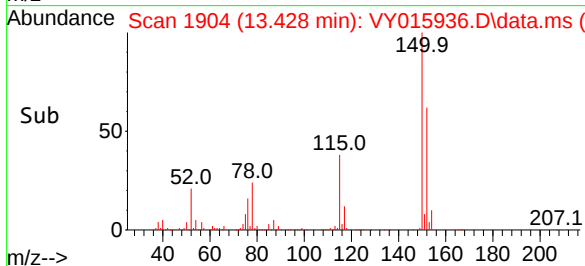
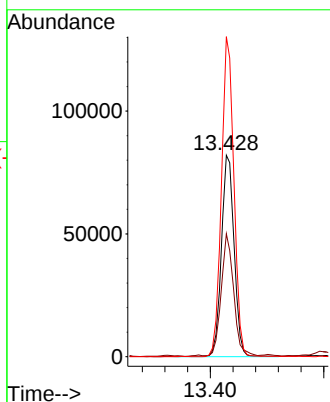
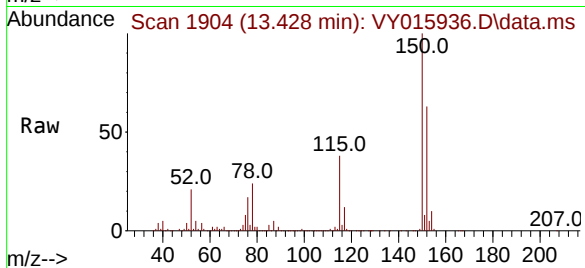




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY015936.D
 Acq: 11 Oct 2023 20:03

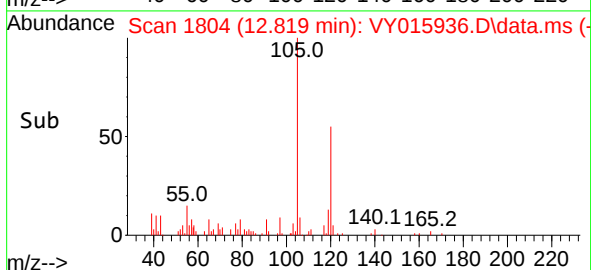
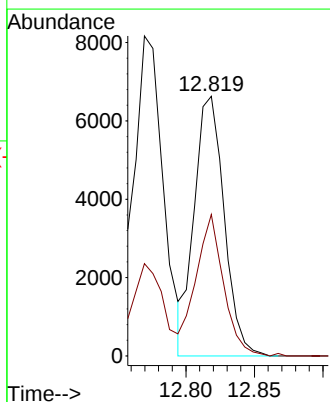
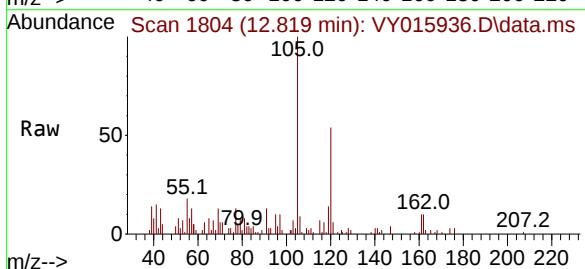
Instrument :
 MSVOA_Y
 ClientSampleId :
 M-3(0-5)

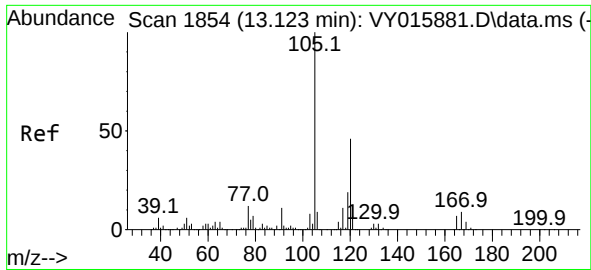
Tgt Ion:152 Resp: 127594
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.8 86.5
 150 155.3 0.0 348.8



#80
 1,3,5-Trimethylbenzene
 Concen: 1.519 ug/l
 RT: 12.819 min Scan# 1804
 Delta R.T. 0.006 min
 Lab File: VY015936.D
 Acq: 11 Oct 2023 20:03

Tgt Ion:105 Resp: 10077
 Ion Ratio Lower Upper
 105 100
 120 50.4 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 2.000 ug/l

RT: 13.123 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015936.D

Acq: 11 Oct 2023 20:03

Instrument :

MSVOA_Y

ClientSampleId :

M-3(0-5)

Tgt Ion:105 Resp: 13361

Ion Ratio Lower Upper

105 100

120 45.8 22.2 66.6

