

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051723\
 Data File : VY013781.D
 Acq On : 17 May 2023 17:13
 Operator : KP/MD
 Sample : 02812-01
 Misc : 6.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WG-0516-B5-0-2

Quant Time: May 18 07:16:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

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

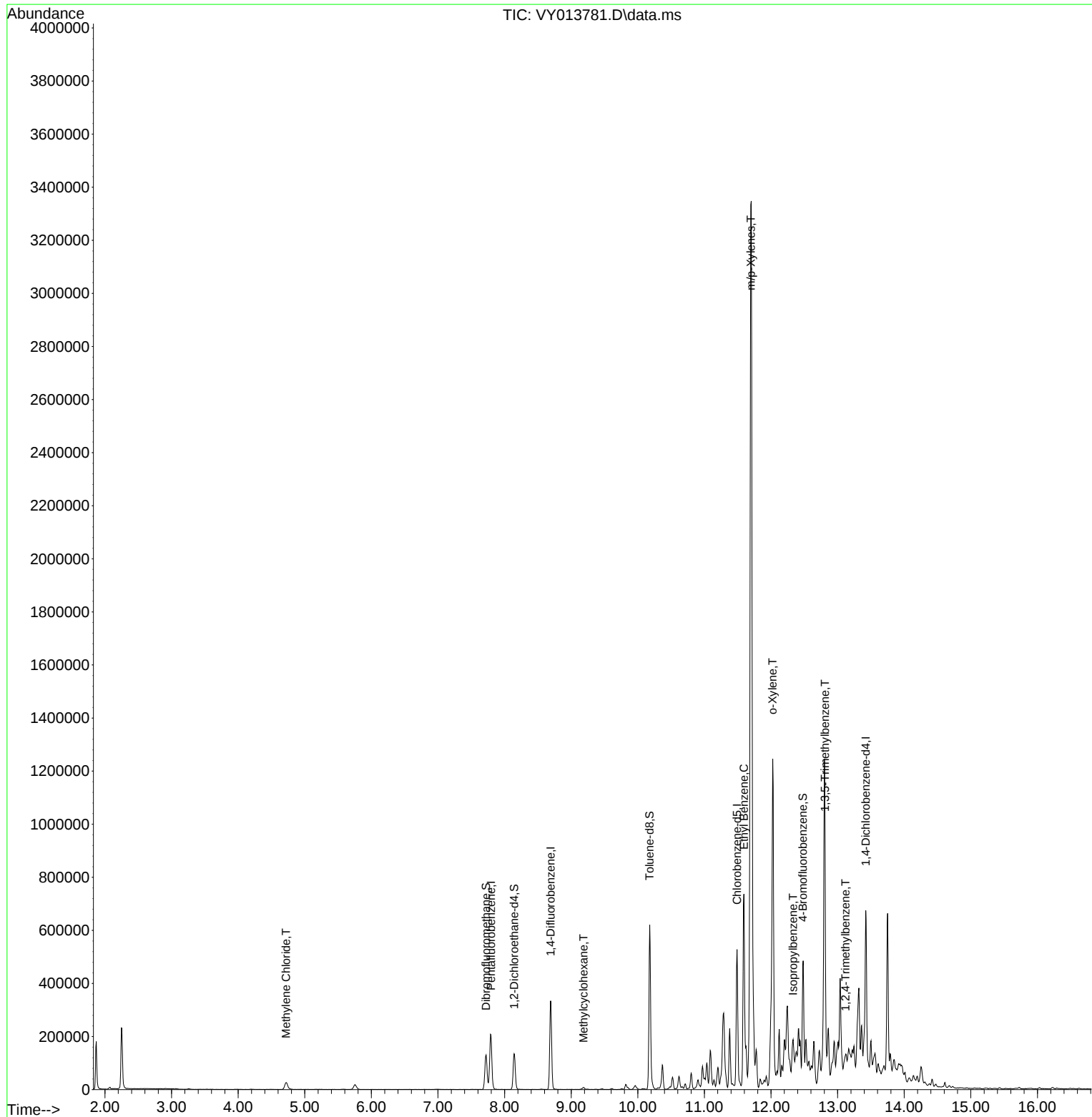
Internal Standards						
1) Pentafluorobenzene	7.795	168	158750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	271181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	272145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107164	58.110	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.220%
35) Dibromofluoromethane	7.722	113	91197	52.443	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.880%
50) Toluene-d8	10.179	98	346537	52.564	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.120%
62) 4-Bromofluorobenzene	12.477	95	121844	55.642	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.280%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.716	84	18150	5.339	ug/l	94
39) Methylcyclohexane	9.185	83	2967	1.086	ug/l #	84
67) Ethyl Benzene	11.593	91	473384	51.717	ug/l	99
68) m/p-Xylenes	11.697	106	875358	255.328	ug/l	100
69) o-Xylene	12.026	106	281479	86.309	ug/l	99
73) Isopropylbenzene	12.331	105	12275	1.474	ug/l	92
80) 1,3,5-Trimethylbenzene	12.812	105	9369	1.380	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	17084	2.567	ug/l	100

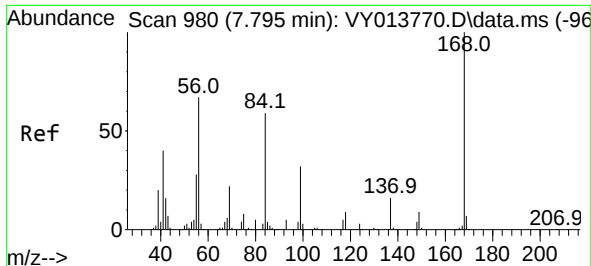
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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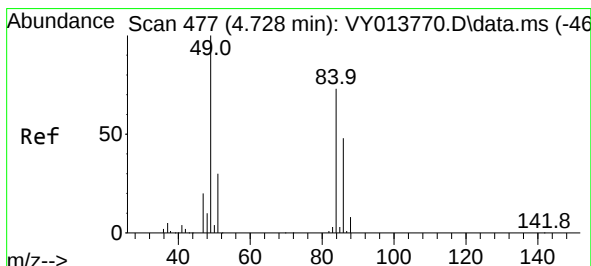
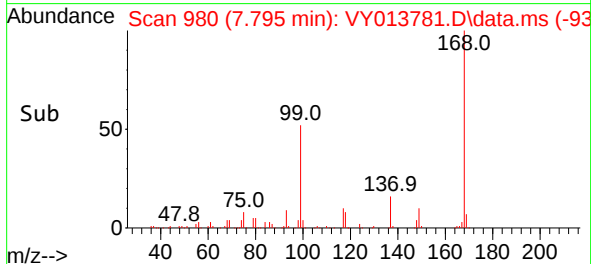
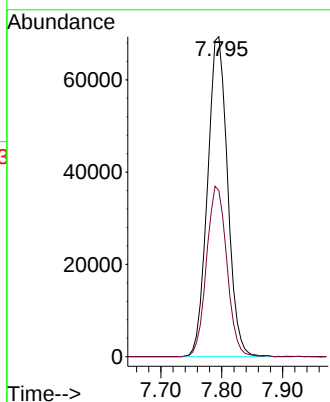
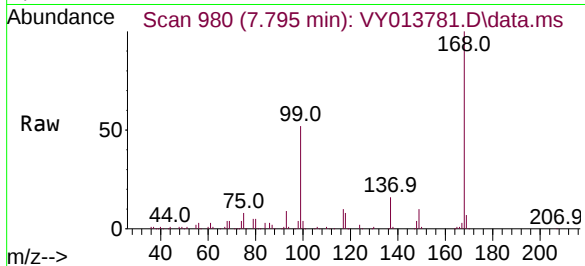




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013781.D
Acq: 17 May 2023 17:13

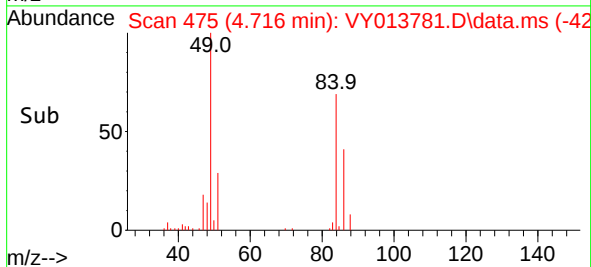
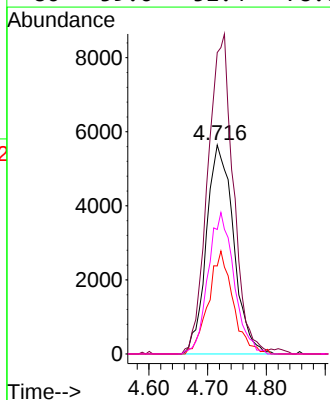
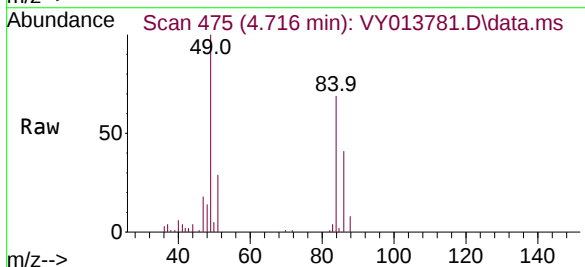
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-0-2

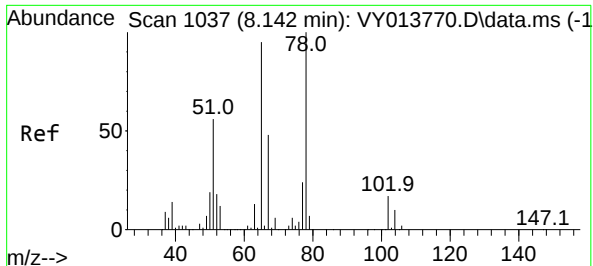
Tgt Ion:168 Resp: 158750
Ion Ratio Lower Upper
168 100
99 51.9 44.0 66.0



#20
Methylene Chloride
Concen: 5.339 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013781.D
Acq: 17 May 2023 17:13

Tgt Ion: 84 Resp: 18150
Ion Ratio Lower Upper
84 100
49 144.2 109.4 164.0
51 42.1 32.8 49.2
86 59.6 52.4 78.6





#33

1,2-Dichloroethane-d4

Concen: 58.110 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY013781.D

Acq: 17 May 2023 17:13

Instrument :

MSVOA_Y

ClientSampleId :

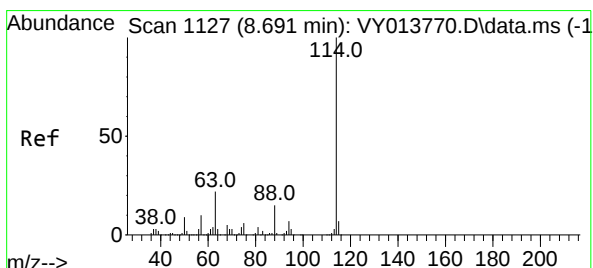
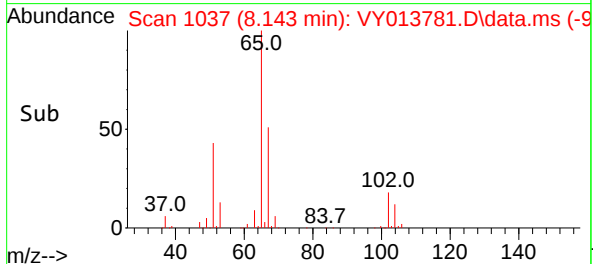
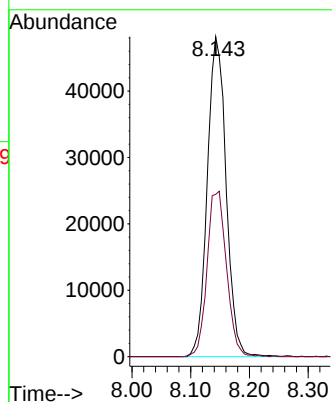
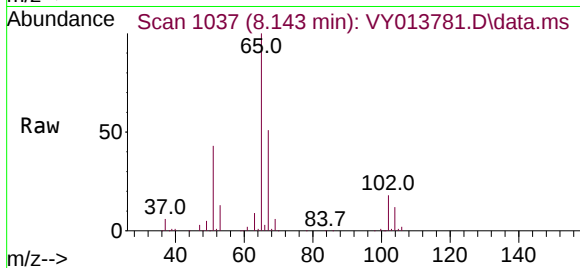
WG-0516-B5-0-2

Tgt Ion: 65 Resp: 107164

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013781.D

Acq: 17 May 2023 17:13

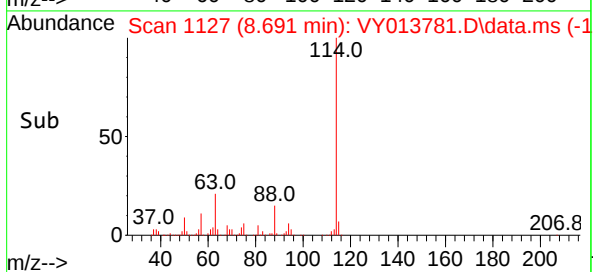
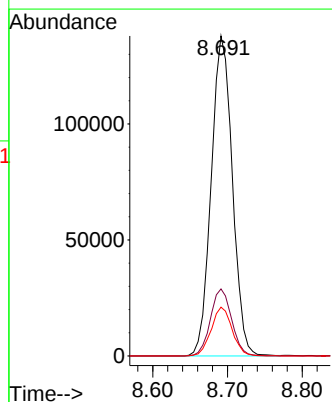
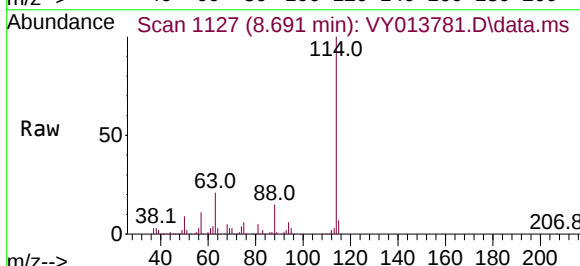
Tgt Ion: 114 Resp: 271181

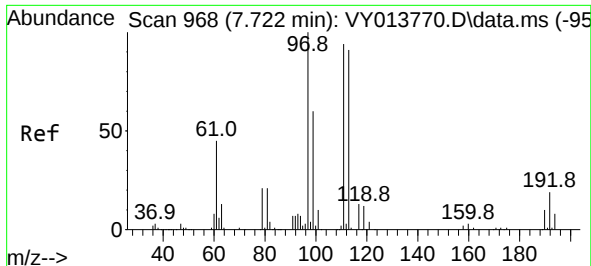
Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 15.2 0.0 30.8

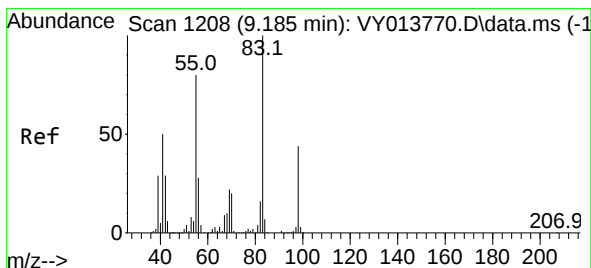
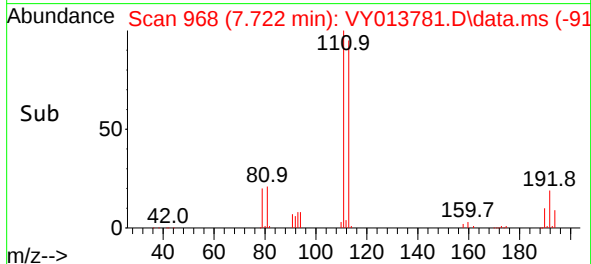
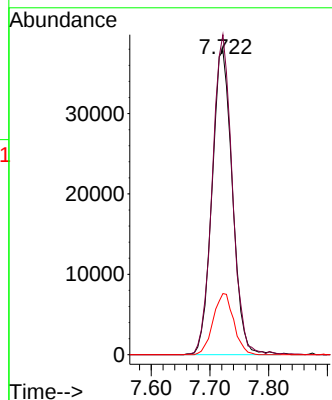
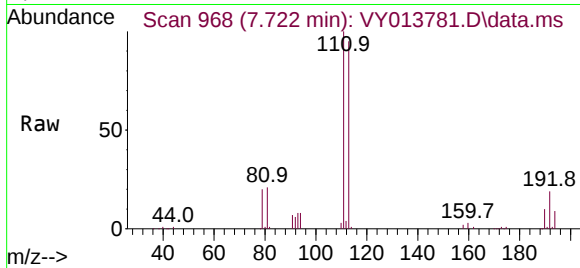




#35
Dibromofluoromethane
Concen: 52.443 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013781.D
Acq: 17 May 2023 17:13

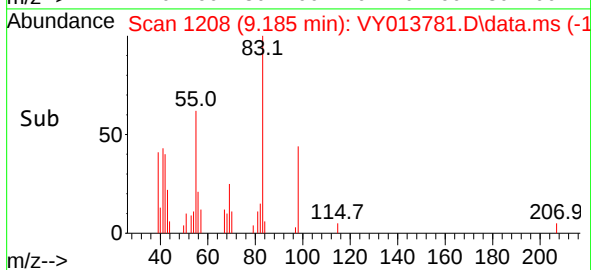
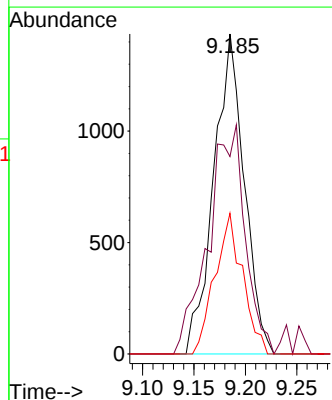
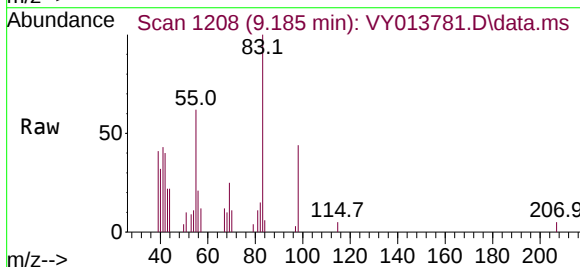
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-0-2

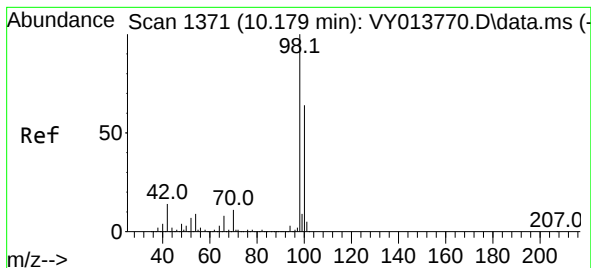
Tgt Ion:113 Resp: 91197
Ion Ratio Lower Upper
113 100
111 102.8 82.3 123.5
192 20.2 16.0 24.0



#39
Methylcyclohexane
Concen: 1.086 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY013781.D
Acq: 17 May 2023 17:13

Tgt Ion: 83 Resp: 2967
Ion Ratio Lower Upper
83 100
55 58.1 63.7 95.5#
98 43.9 35.0 52.6





#50

Toluene-d8

Concen: 52.564 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013781.D

Acq: 17 May 2023 17:13

Instrument :

MSVOA_Y

ClientSampleId :

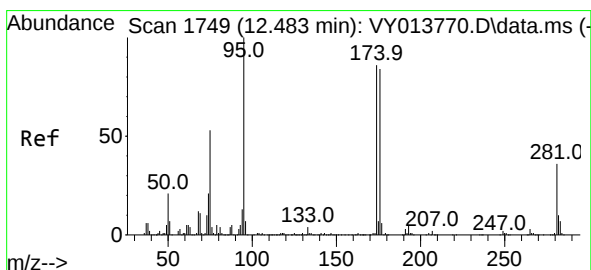
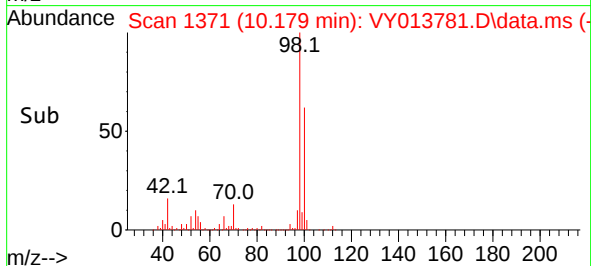
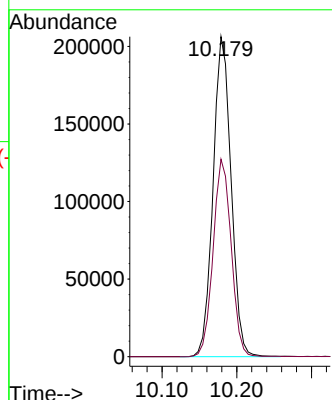
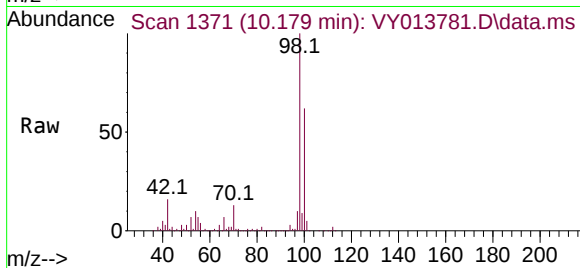
WG-0516-B5-0-2

Tgt Ion: 98 Resp: 346537

Ion Ratio Lower Upper

98 100

100 61.8 51.0 76.6



#62

4-Bromofluorobenzene

Concen: 55.642 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY013781.D

Acq: 17 May 2023 17:13

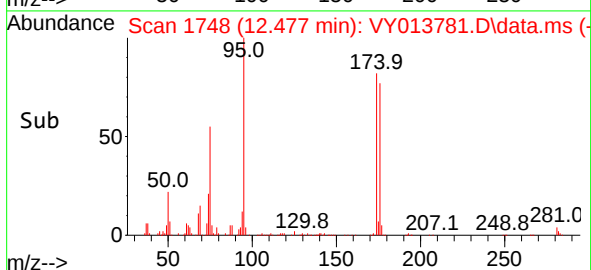
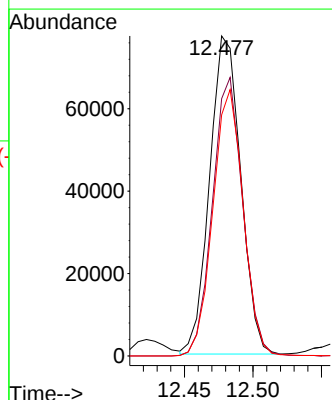
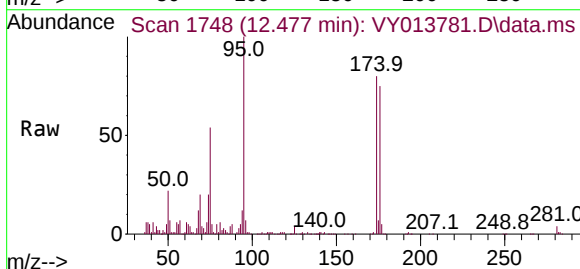
Tgt Ion: 95 Resp: 121844

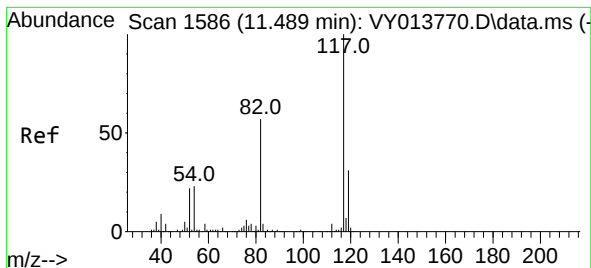
Ion Ratio Lower Upper

95 100

174 85.2 0.0 168.8

176 81.9 0.0 165.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013781.D

Acq: 17 May 2023 17:13

Instrument :

MSVOA_Y

ClientSampleId :

WG-0516-B5-0-2

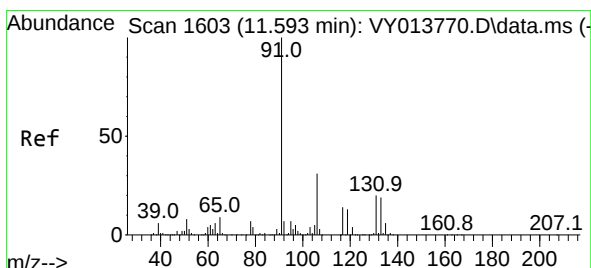
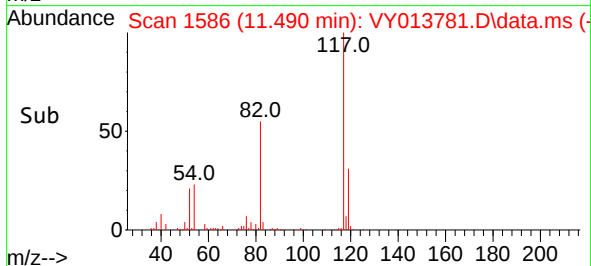
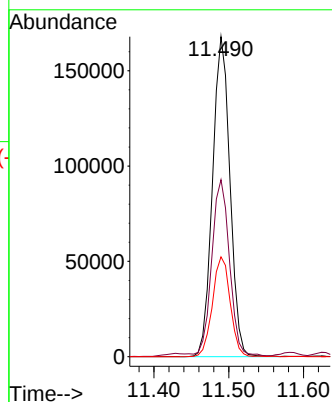
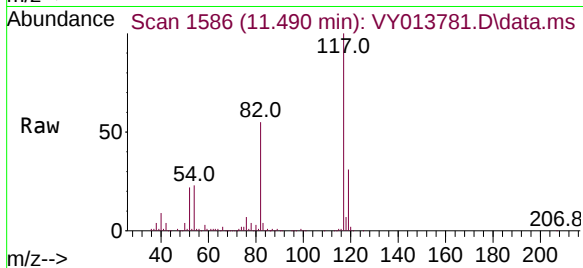
Tgt Ion:117 Resp: 272145

Ion Ratio Lower Upper

117 100

82 54.5 45.5 68.3

119 31.2 24.8 37.2



#67

Ethyl Benzene

Concen: 51.717 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013781.D

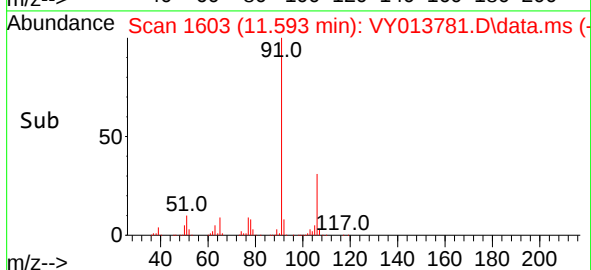
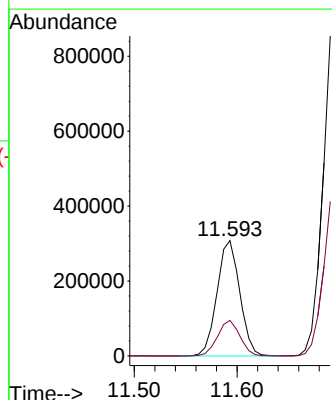
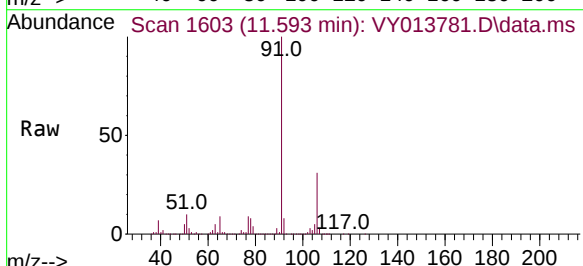
Acq: 17 May 2023 17:13

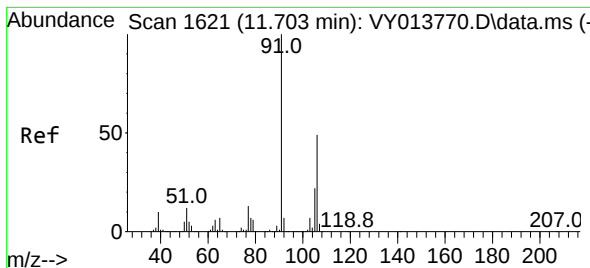
Tgt Ion: 91 Resp: 473384

Ion Ratio Lower Upper

91 100

106 30.8 25.0 37.6

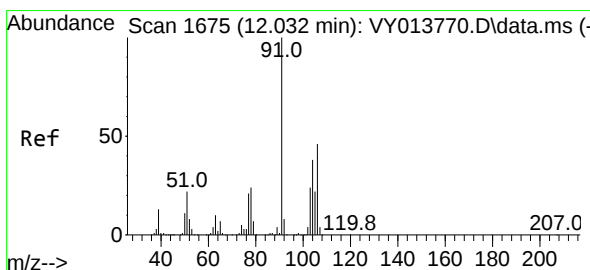
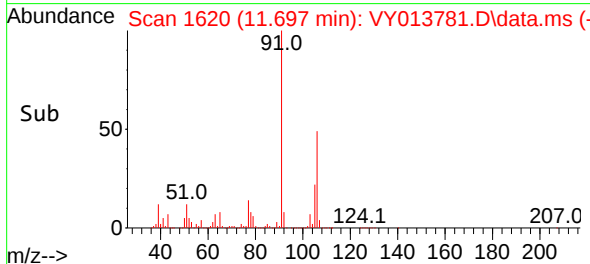
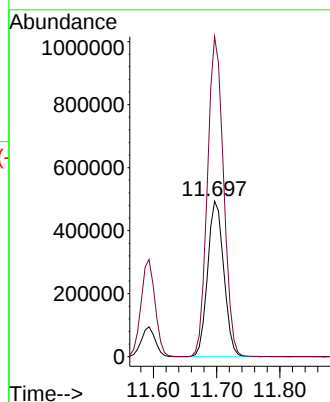
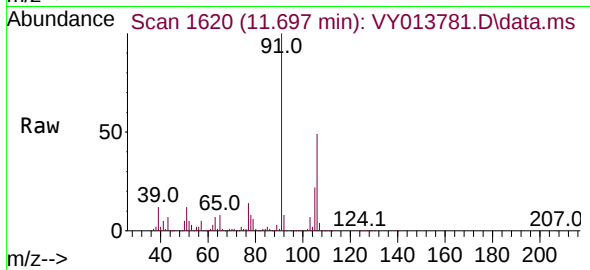




#68
m/p-Xylenes
Concen: 255.328 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013781.D
Acq: 17 May 2023 17:13

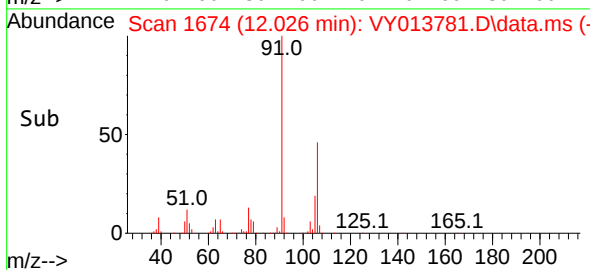
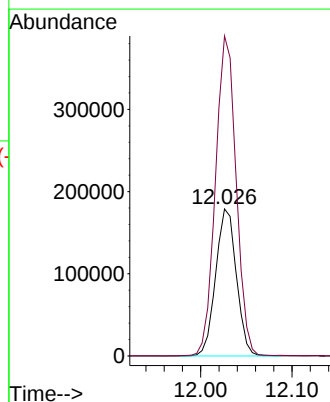
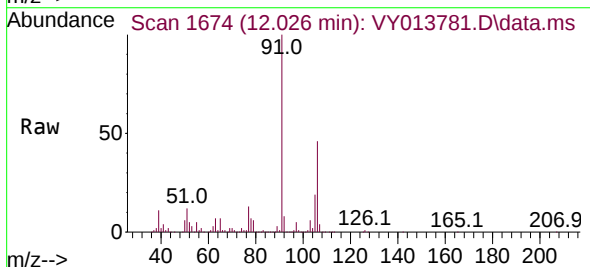
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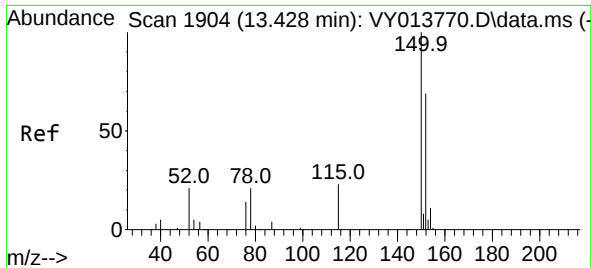
Tgt Ion:106 Resp: 875358
Ion Ratio Lower Upper
106 100
91 205.6 164.0 246.0



#69
o-Xylene
Concen: 86.309 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY013781.D
Acq: 17 May 2023 17:13

Tgt Ion:106 Resp: 281479
Ion Ratio Lower Upper
106 100
91 217.8 108.4 325.2

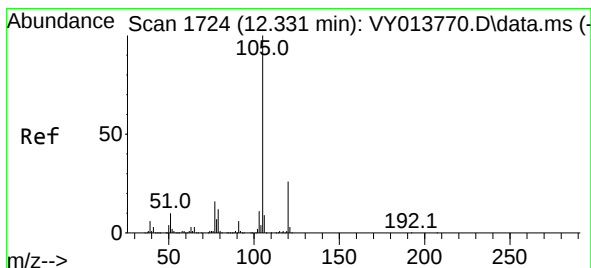
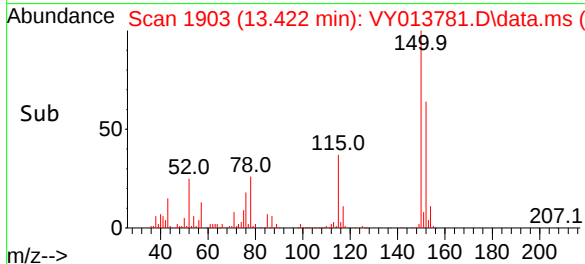
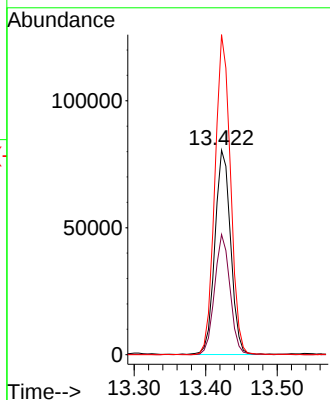
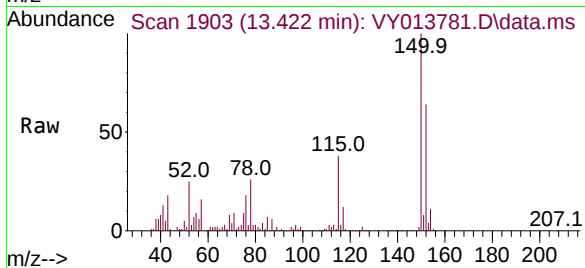




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY013781.D
Acq: 17 May 2023 17:13

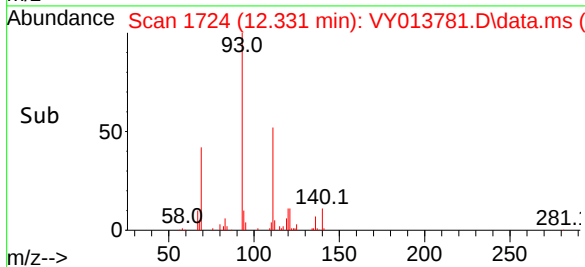
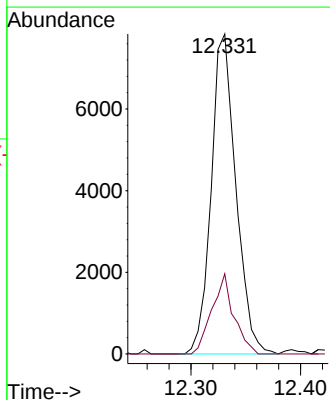
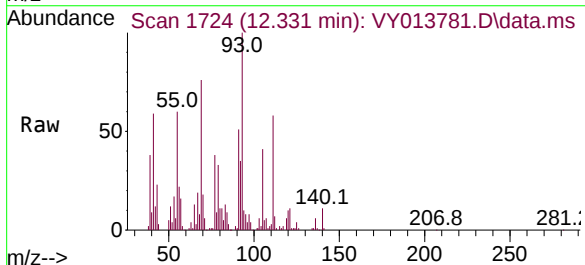
Instrument :
MSVOA_Y
ClientSampleId :
WG-0516-B5-0-2

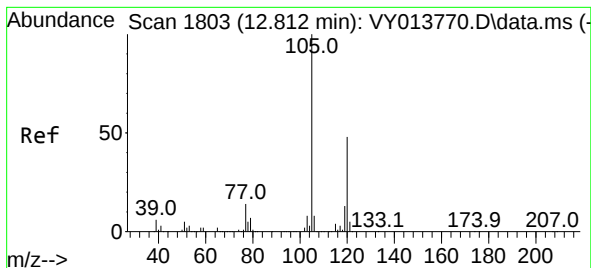
Tgt Ion:152 Resp: 123013
Ion Ratio Lower Upper
152 100
115 57.7 28.5 85.5
150 155.0 0.0 347.0



#73
Isopropylbenzene
Concen: 1.474 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY013781.D
Acq: 17 May 2023 17:13

Tgt Ion:105 Resp: 12275
Ion Ratio Lower Upper
105 100
120 22.2 13.2 39.6





#80

1,3,5-Trimethylbenzene

Concen: 1.380 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY013781.D

Acq: 17 May 2023 17:13

Instrument :

MSVOA_Y

ClientSampleId :

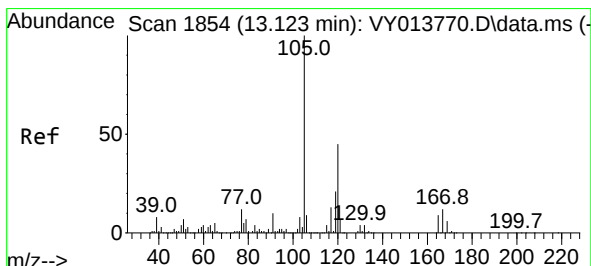
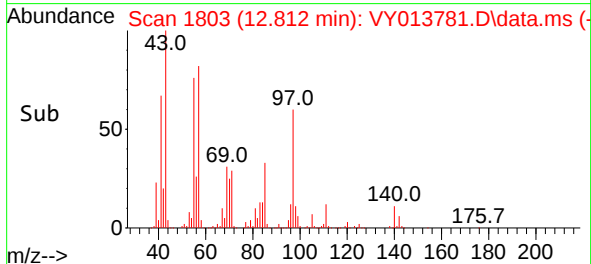
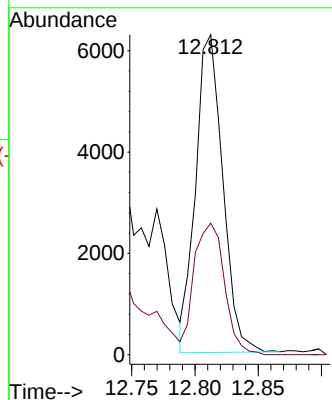
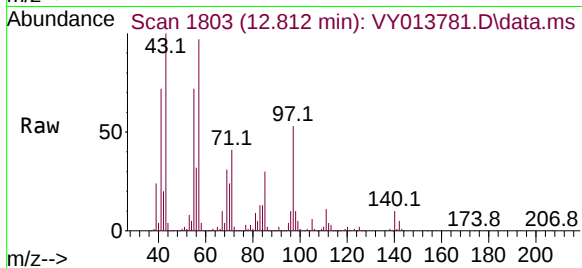
WG-0516-B5-0-2

Tgt Ion:105 Resp: 9369

Ion Ratio Lower Upper

105 100

120 46.2 23.8 71.5



#84

1,2,4-Trimethylbenzene

Concen: 2.567 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY013781.D

Acq: 17 May 2023 17:13

Tgt Ion:105 Resp: 17084

Ion Ratio Lower Upper

105 100

120 44.4 22.2 66.6

