

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013605.D
 Acq On : 04 May 2023 17:13
 Operator : KP/MD
 Sample : 02505-04RE
 Misc : 3.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-4RE

Quant Time: May 05 01:00:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

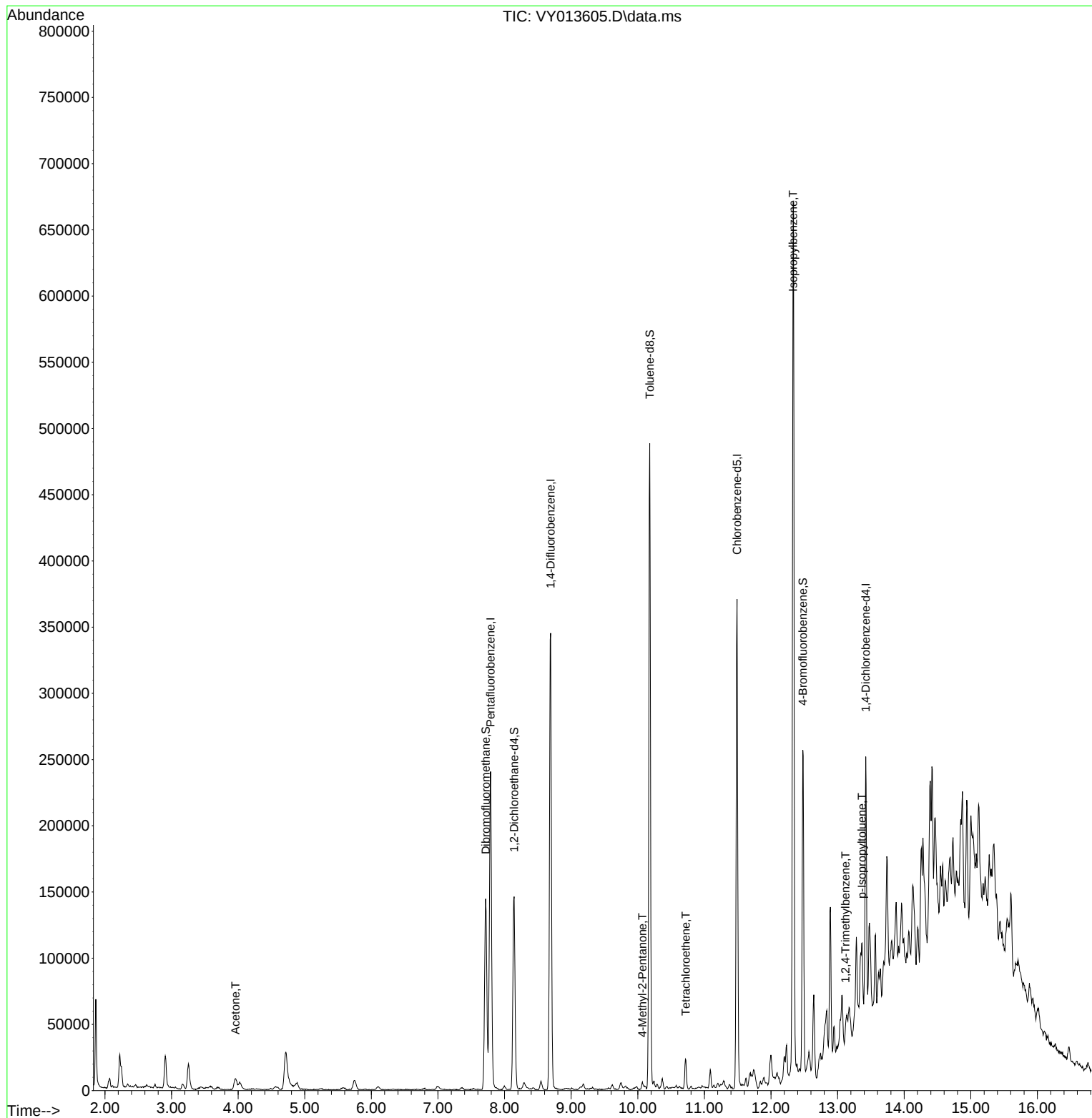
Internal Standards						
1) Pentafluorobenzene	7.789	168	185104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	290135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	196144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	51026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	121643	59.948	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.900%	
35) Dibromofluoromethane	7.716	113	99055	54.282	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.560%	
50) Toluene-d8	10.179	98	319044	49.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	12.477	95	68032	31.086	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 62.180%	
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	19106	23.909	ug/l	92
51) 4-Methyl-2-Pentanone	10.069	43	3988	1.860	ug/l	97
64) Tetrachloroethene	10.721	164	4889	3.278	ug/l	94
73) Isopropylbenzene	12.331	105	29169	7.558	ug/l #	64
84) 1,2,4-Trimethylbenzene	13.117	105	5075	1.657	ug/l	80
86) p-Isopropyltoluene	13.367	119	26174	7.946	ug/l	92

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

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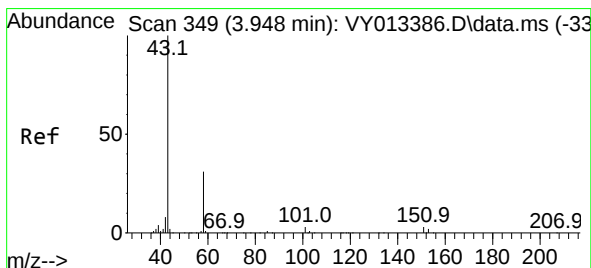
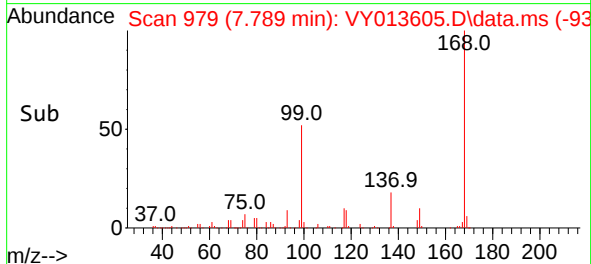
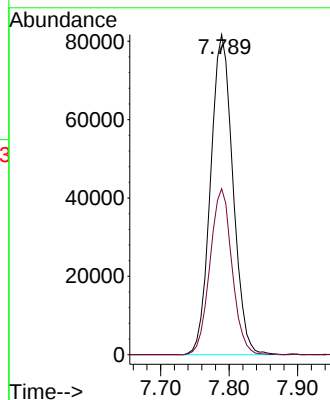
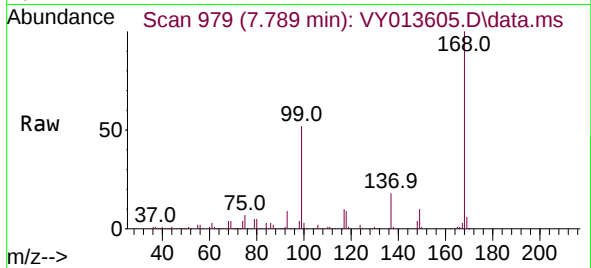




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013605.D
Acq: 04 May 2023 17:13

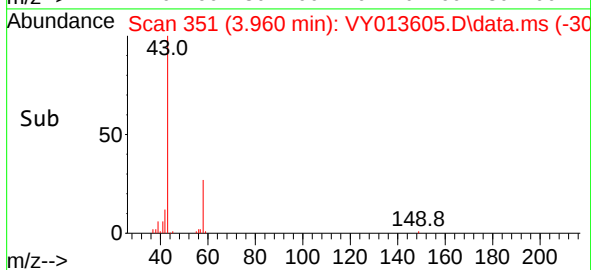
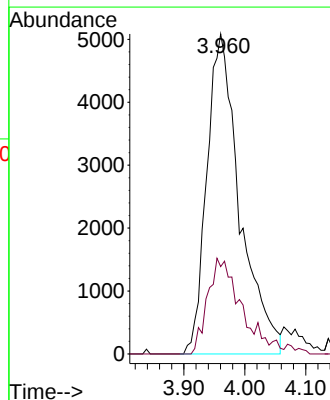
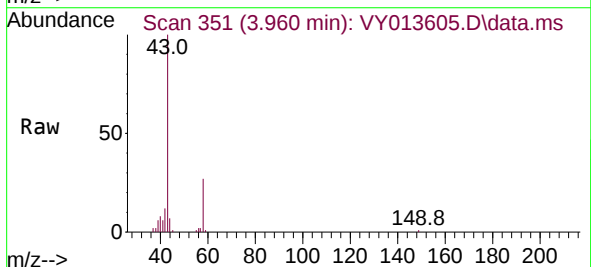
Instrument :
MSVOA_Y
ClientSampleId :
WO-4RE

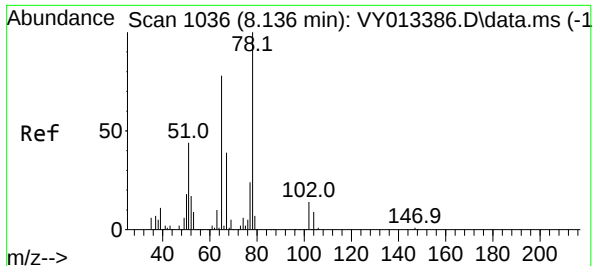
Tgt Ion:168 Resp: 185104
Ion Ratio Lower Upper
168 100
99 51.9 41.8 62.6



#16
Acetone
Concen: 23.909 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013605.D
Acq: 04 May 2023 17:13

Tgt Ion: 43 Resp: 19106
Ion Ratio Lower Upper
43 100
58 27.3 25.4 38.0





#33

1,2-Dichloroethane-d4

Concen: 59.948 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY013605.D

Acq: 04 May 2023 17:13

Instrument :

MSVOA_Y

ClientSampleId :

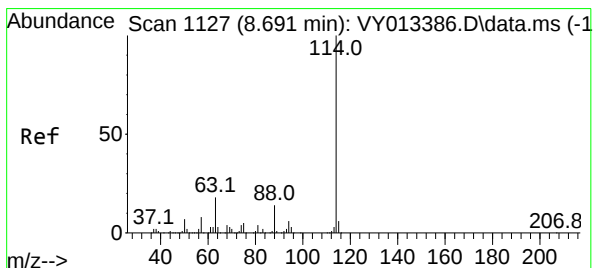
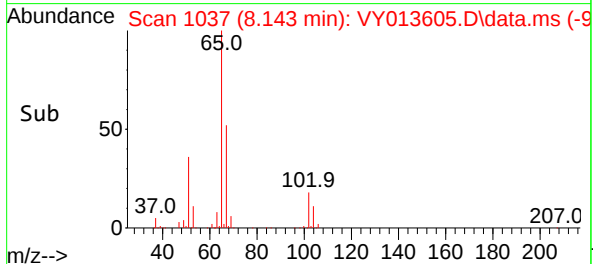
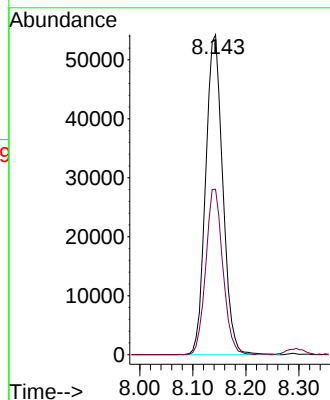
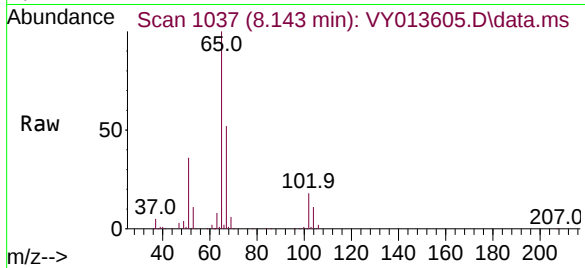
WO-4RE

Tgt Ion: 65 Resp: 121643

Ion Ratio Lower Upper

65 100

67 51.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013605.D

Acq: 04 May 2023 17:13

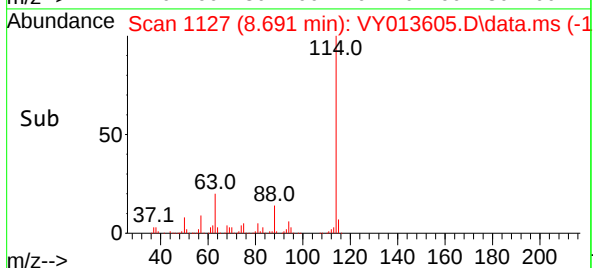
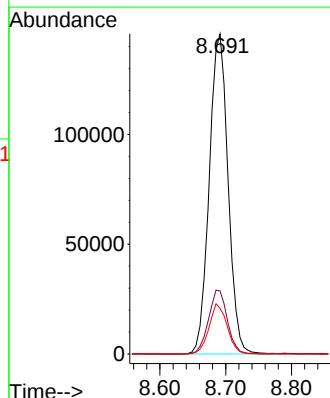
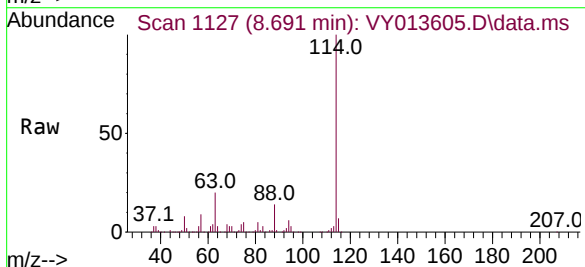
Tgt Ion: 114 Resp: 290135

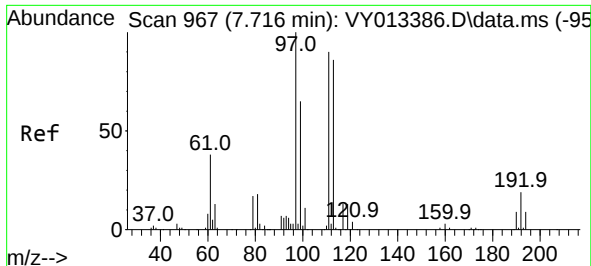
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.6

88 14.3 0.0 28.8

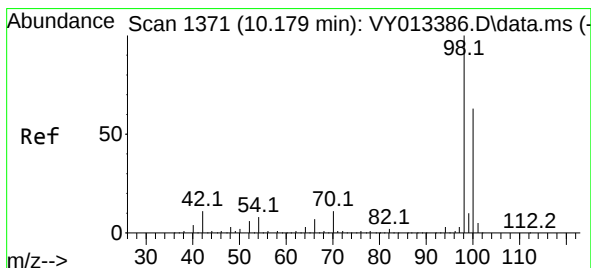
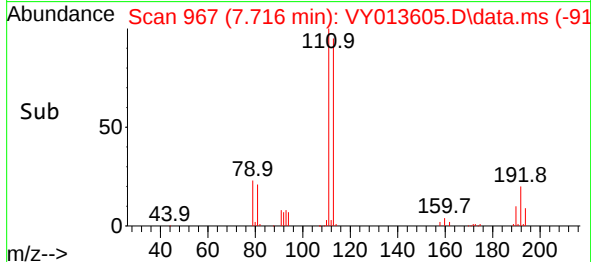
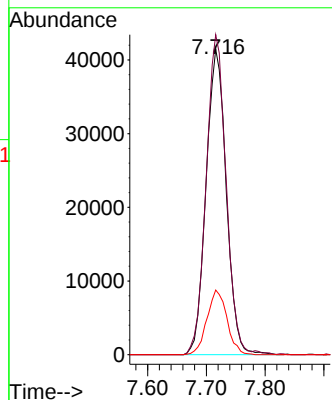
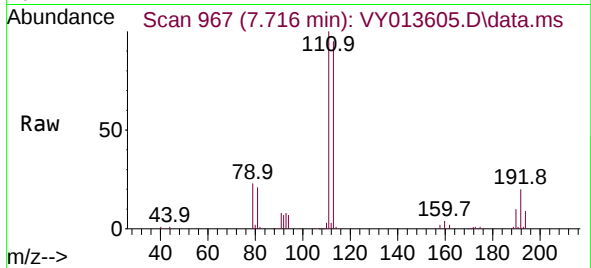




#35
Dibromofluoromethane
Concen: 54.282 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013605.D
Acq: 04 May 2023 17:13

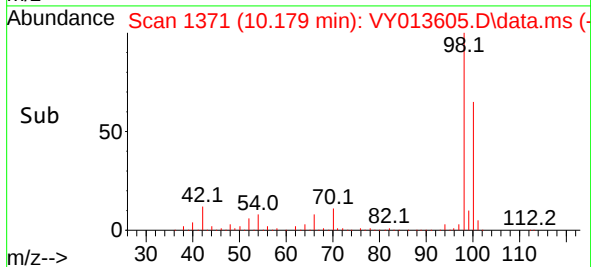
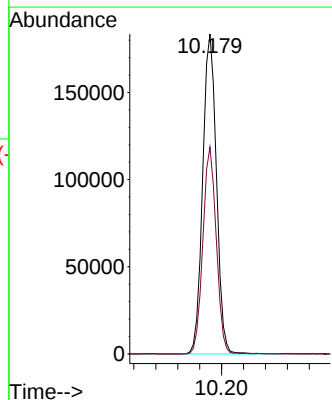
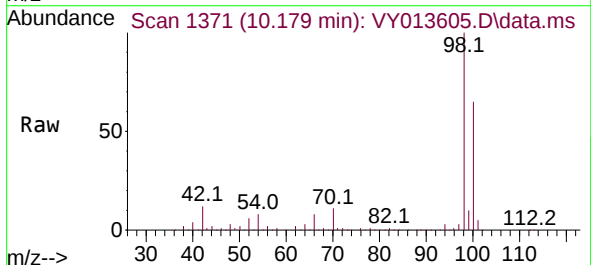
Instrument :
MSVOA_Y
ClientSampleId :
WO-4RE

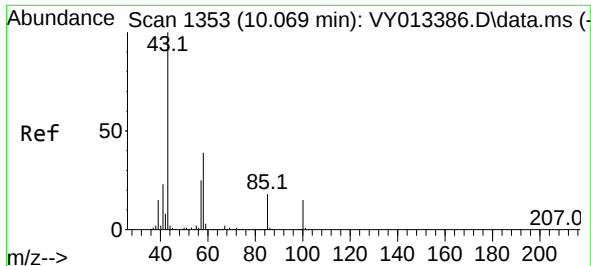
Tgt Ion:113 Resp: 99055
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 20.9 16.7 25.1



#50
Toluene-d8
Concen: 49.147 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013605.D
Acq: 04 May 2023 17:13

Tgt Ion: 98 Resp: 319044
Ion Ratio Lower Upper
98 100
100 63.1 50.5 75.7

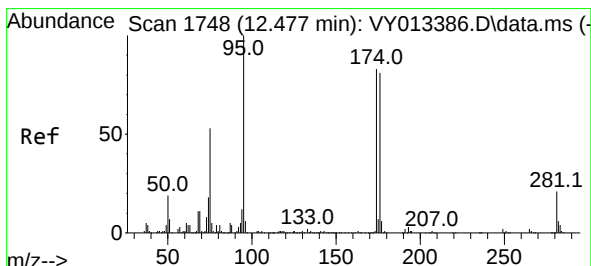
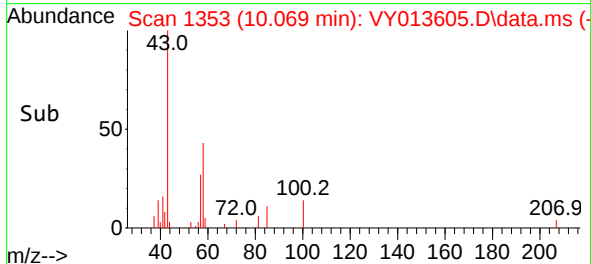
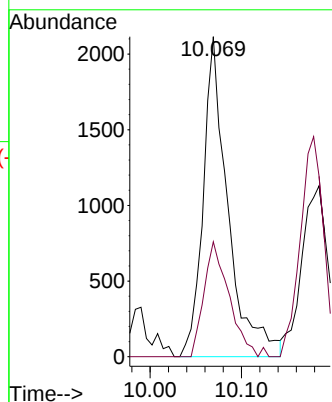
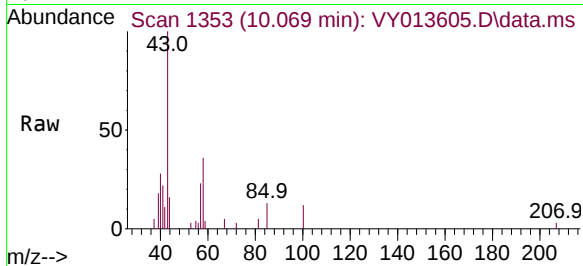




#51
4-Methyl-2-Pentanone
Concen: 1.860 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013605.D
Acq: 04 May 2023 17:13

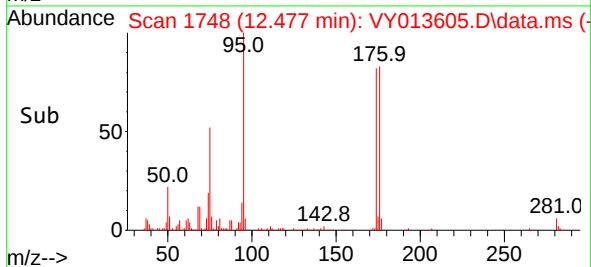
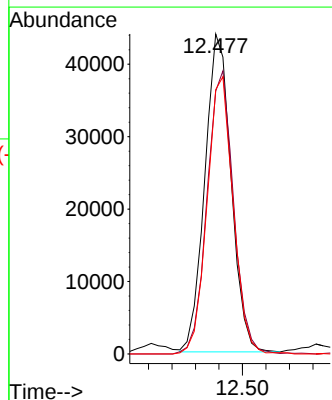
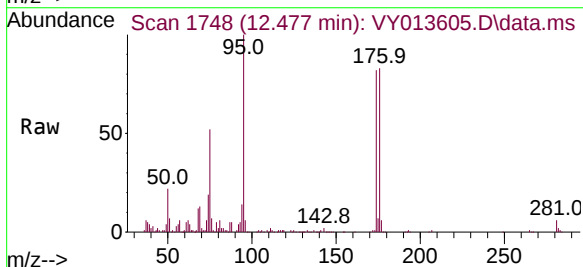
Instrument :
MSVOA_Y
ClientSampleId :
WO-4RE

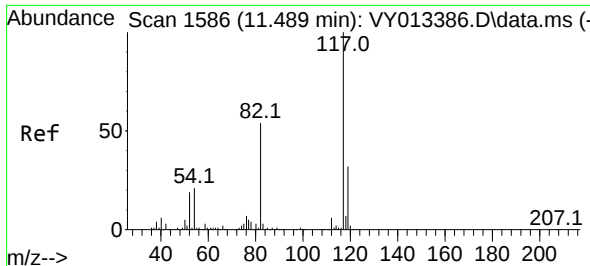
Tgt Ion: 43 Resp: 3988
Ion Ratio Lower Upper
43 100
58 36.5 30.6 46.0



#62
4-Bromofluorobenzene
Concen: 31.086 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013605.D
Acq: 04 May 2023 17:13

Tgt Ion: 95 Resp: 68032
Ion Ratio Lower Upper
95 100
174 90.0 0.0 182.0
176 86.9 0.0 175.4

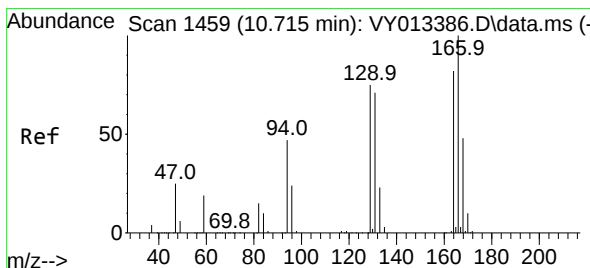
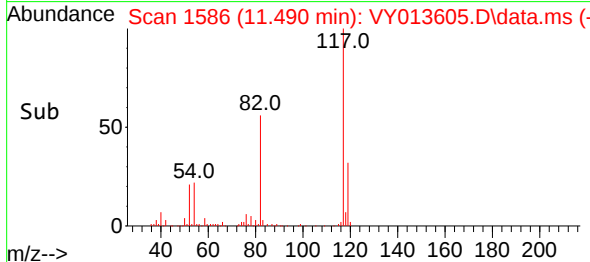
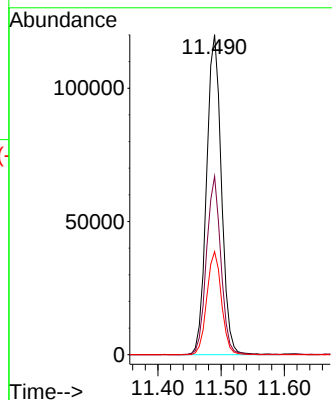
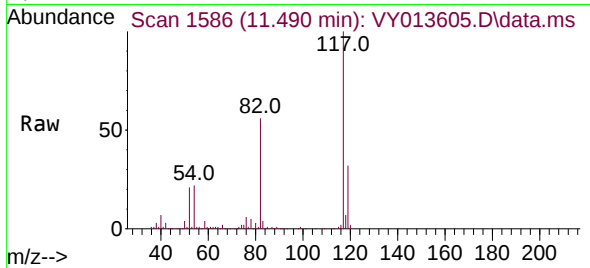




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013605.D
Acq: 04 May 2023 17:13

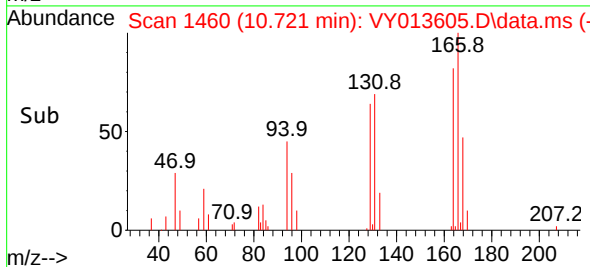
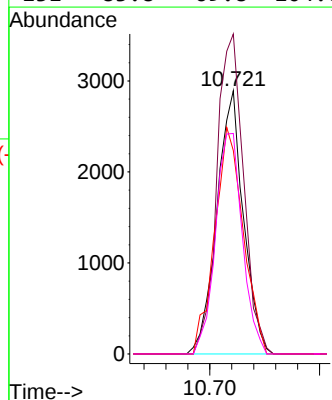
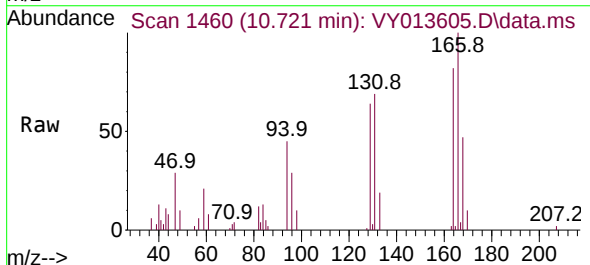
Instrument :
MSVOA_Y
ClientSampleId :
WO-4RE

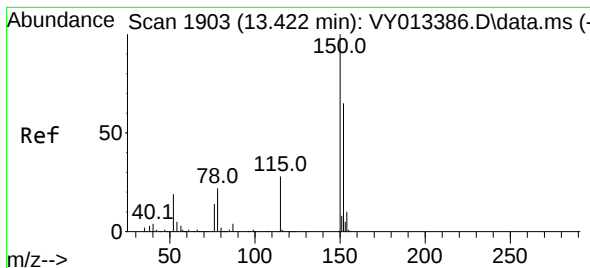
Tgt Ion:117 Resp: 196144
Ion Ratio Lower Upper
117 100
82 55.7 43.0 64.6
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 3.278 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VY013605.D
Acq: 04 May 2023 17:13

Tgt Ion:164 Resp: 4889
Ion Ratio Lower Upper
164 100
166 121.6 97.5 146.3
129 77.2 72.6 109.0
131 83.8 69.8 104.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013605.D

Acq: 04 May 2023 17:13

Instrument :

MSVOA_Y

ClientSampleId :

WO-4RE

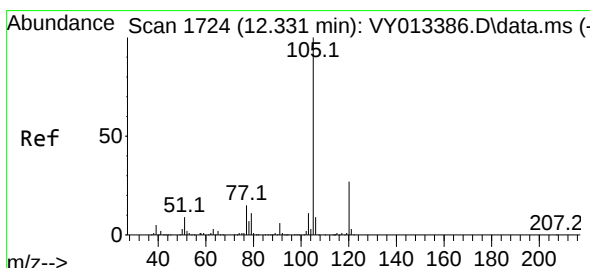
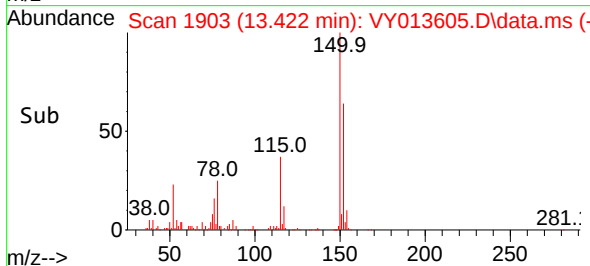
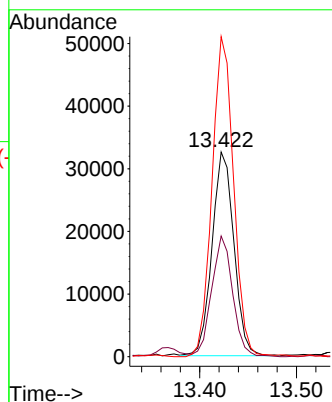
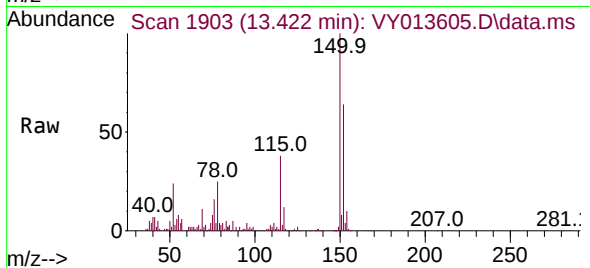
Tgt Ion:152 Resp: 51026

Ion Ratio Lower Upper

152 100

115 56.9 28.1 84.2

150 155.5 0.0 352.0



#73

Isopropylbenzene

Concen: 7.558 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY013605.D

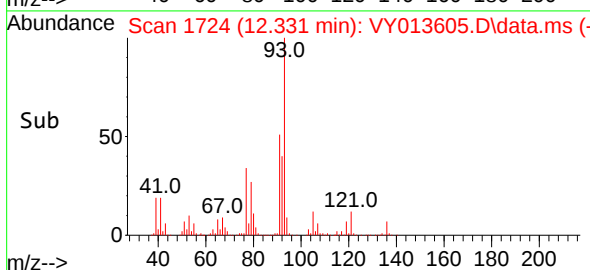
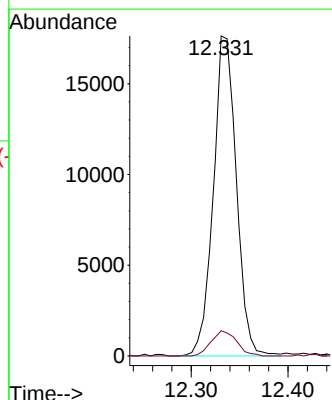
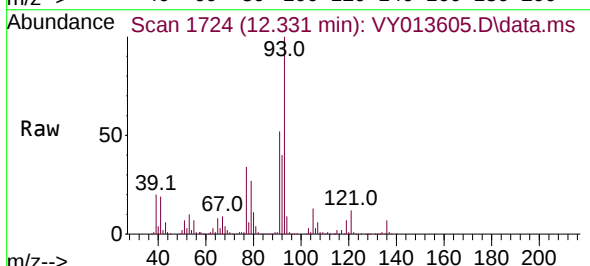
Acq: 04 May 2023 17:13

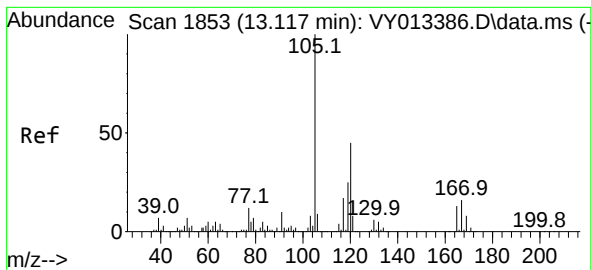
Tgt Ion:105 Resp: 29169

Ion Ratio Lower Upper

105 100

120 8.7 13.7 41.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.657 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013605.D

Acq: 04 May 2023 17:13

Instrument :

MSVOA_Y

ClientSampleId :

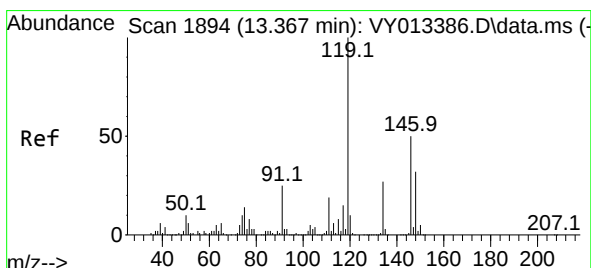
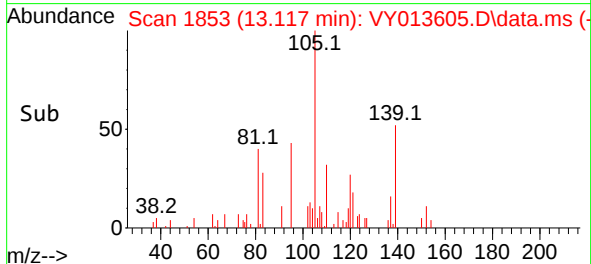
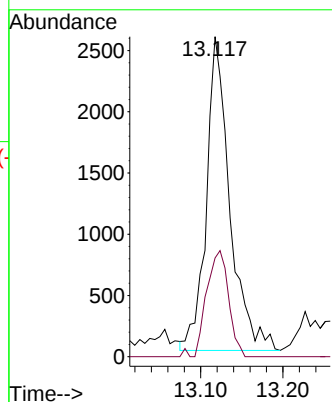
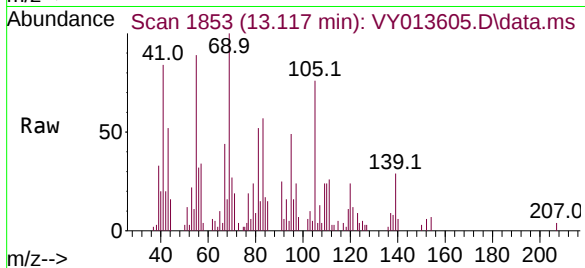
WO-4RE

Tgt Ion:105 Resp: 5075

Ion Ratio Lower Upper

105 100

120 31.9 22.3 66.9



#86

p-Isopropyltoluene

Concen: 7.946 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY013605.D

Acq: 04 May 2023 17:13

Tgt Ion:119 Resp: 26174

Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.2

91 31.9 12.1 36.3

