

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050323\
 Data File : VY013590.D
 Acq On : 03 May 2023 18:31
 Operator : KP/MD
 Sample : 02505-04
 Misc : 3.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-4

Quant Time: May 04 01:22:03 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)

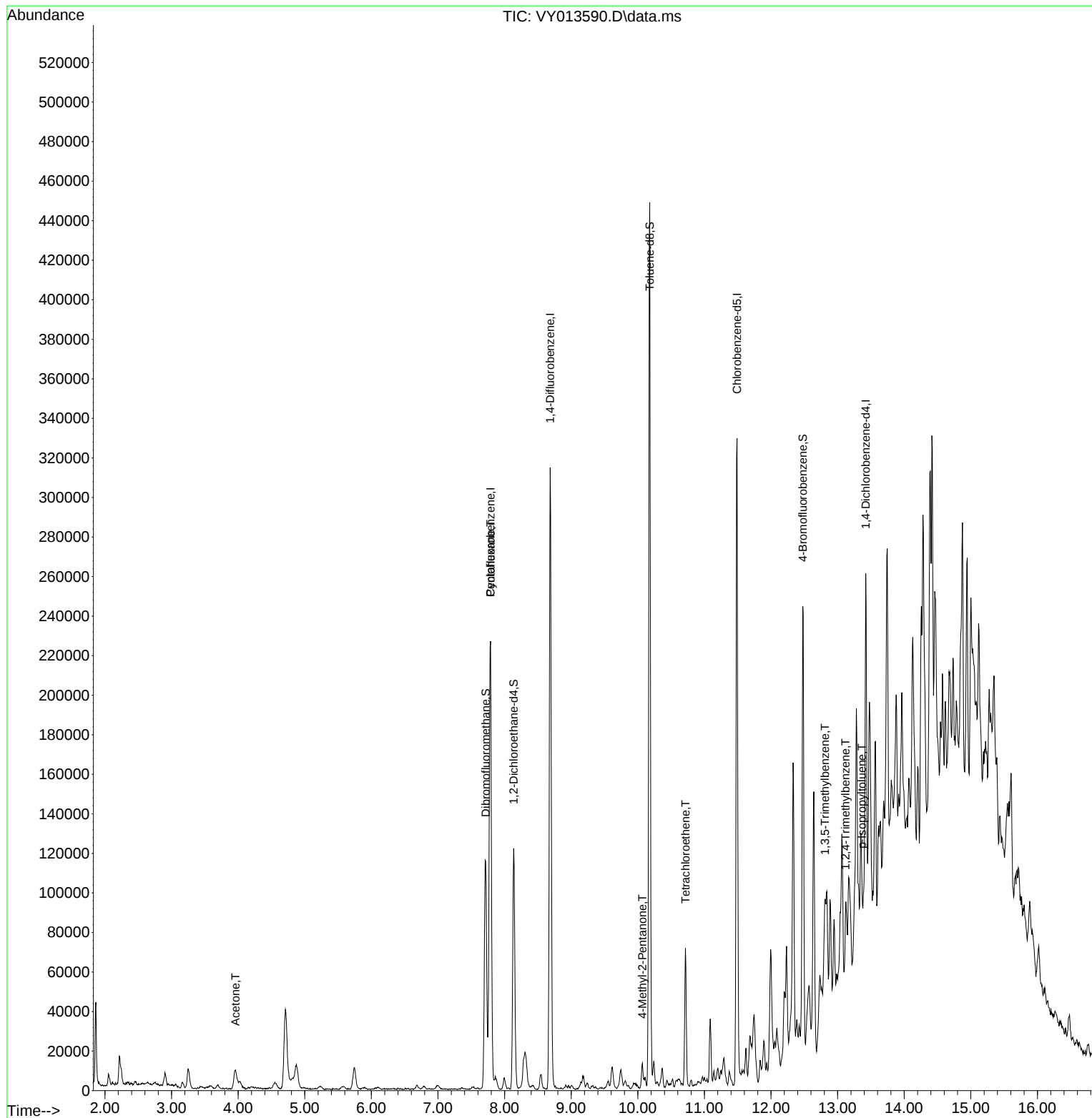
Internal Standards						
1) Pentafluorobenzene	7.789	168	176608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	265223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	172034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	47607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	97709	50.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.940%
35) Dibromofluoromethane	7.716	113	82879	49.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.179	98	289767	48.830	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.660%
62) 4-Bromofluorobenzene	12.477	95	59778	29.880	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.760%
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	23035	30.213	ug/l	96
31) Cyclohexane	7.789	56	5563	1.605	ug/l #	55
51) 4-Methyl-2-Pentanone	10.069	43	9012	4.599	ug/l	91
64) Tetrachloroethene	10.715	164	14443	11.041	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	4892	1.665	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	7991	2.797	ug/l	97
86) p-Isopropyltoluene	13.367	119	4447	1.447	ug/l #	74

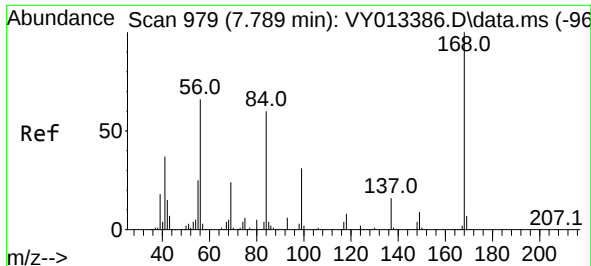
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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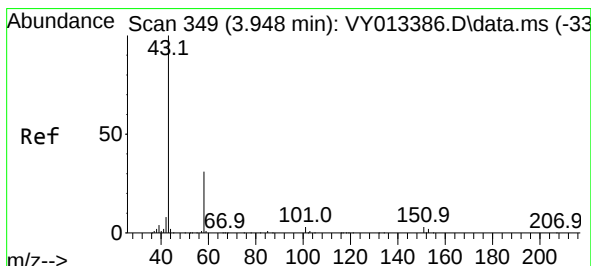
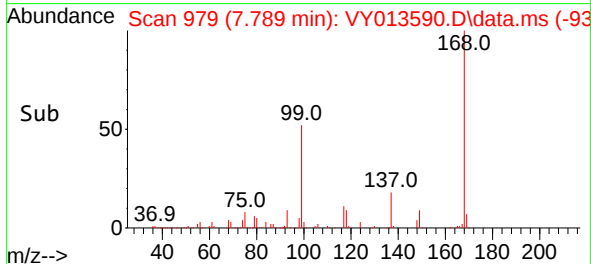
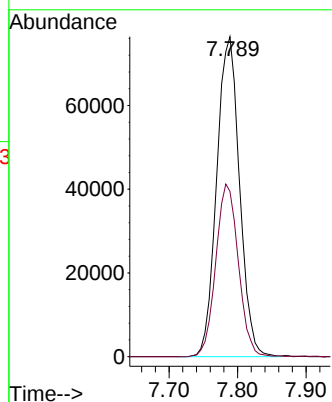
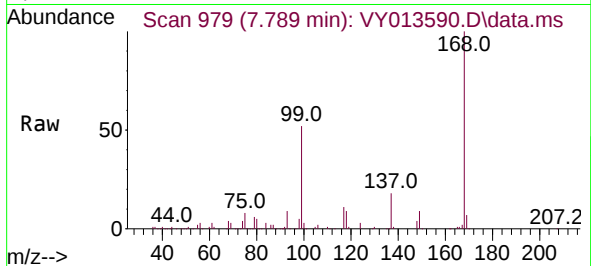




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

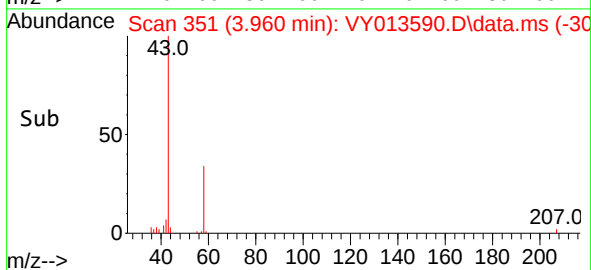
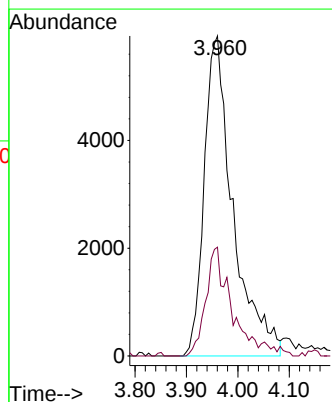
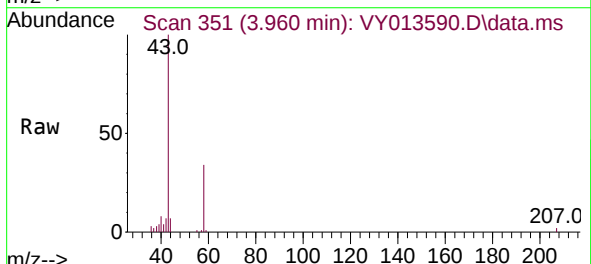
Instrument :
MSVOA_Y
ClientSampleId :
WO-4

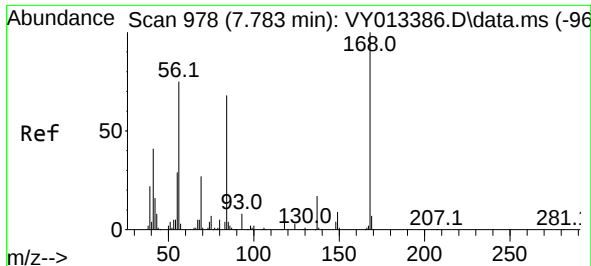
Tgt Ion:168 Resp: 176608
Ion Ratio Lower Upper
168 100
99 51.6 41.8 62.6



#16
Acetone
Concen: 30.213 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.012 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

Tgt Ion: 43 Resp: 23035
Ion Ratio Lower Upper
43 100
58 34.0 25.4 38.0

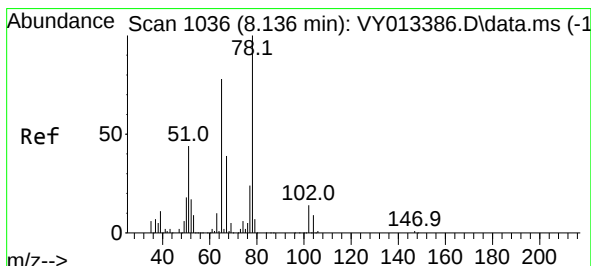
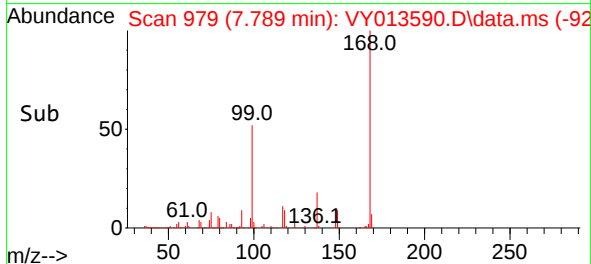
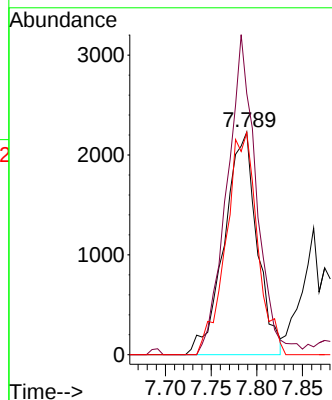
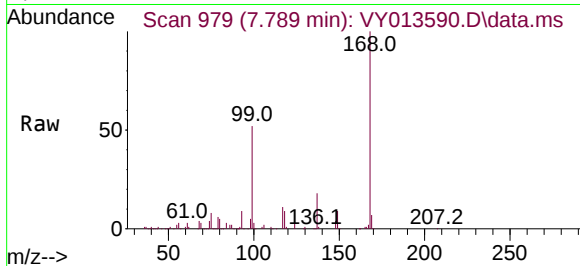




#31
Cyclohexane
Concen: 1.605 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

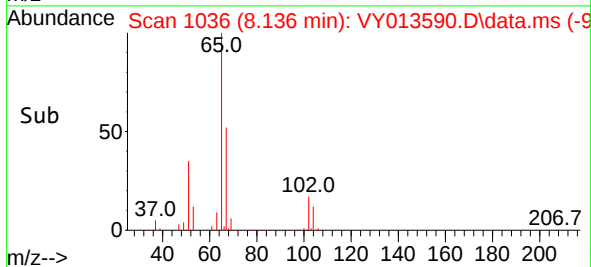
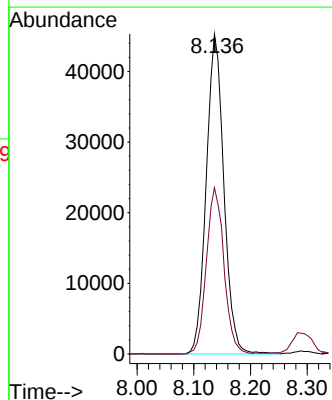
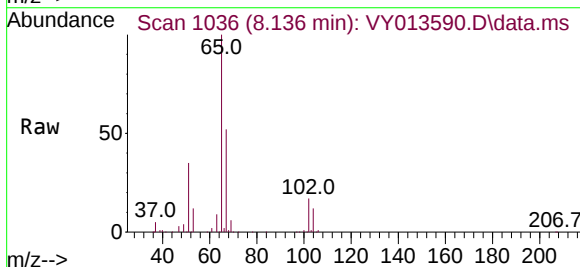
Instrument :
MSVOA_Y
ClientSampleId :
WO-4

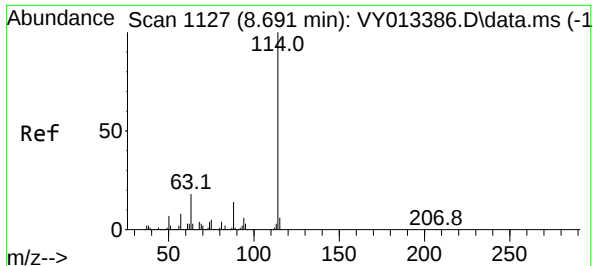
Tgt Ion: 56 Resp: 5563
Ion Ratio Lower Upper
56 100
69 117.4 29.2 43.8#
84 99.8 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 50.469 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

Tgt Ion: 65 Resp: 97709
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013590.D

Acq: 03 May 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

WO-4

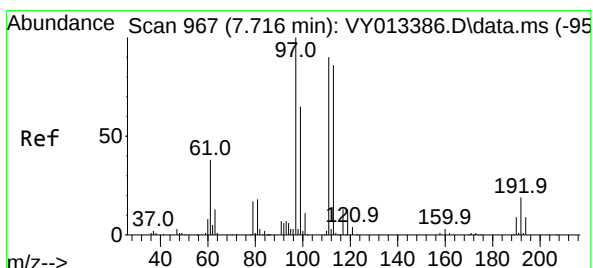
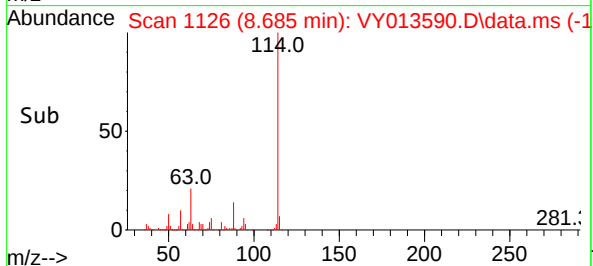
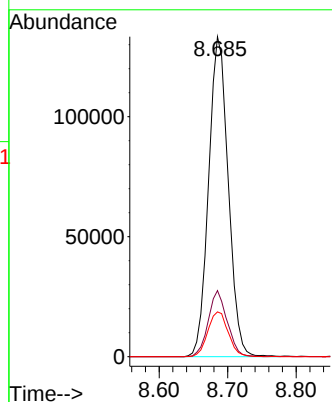
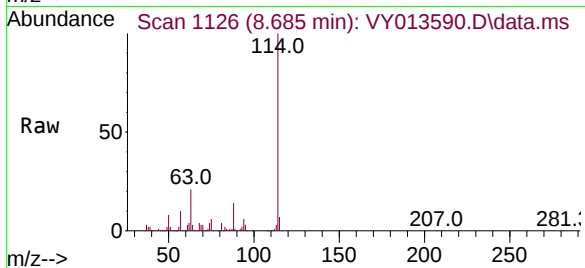
Tgt Ion:114 Resp: 265223

Ion Ratio Lower Upper

114 100

63 20.7 0.0 36.6

88 14.0 0.0 28.8



#35

Dibromofluoromethane

Concen: 49.684 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013590.D

Acq: 03 May 2023 18:31

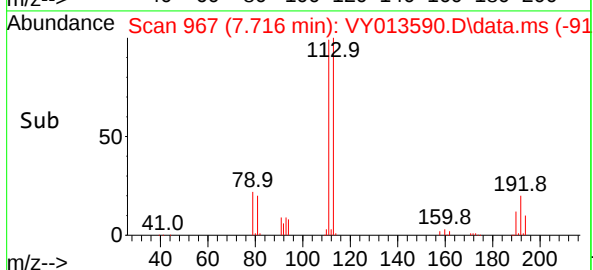
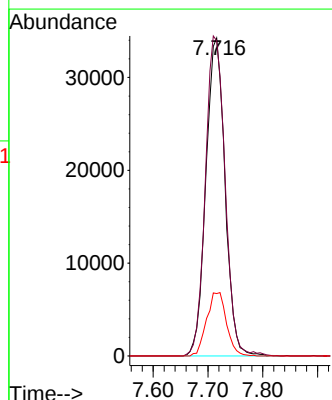
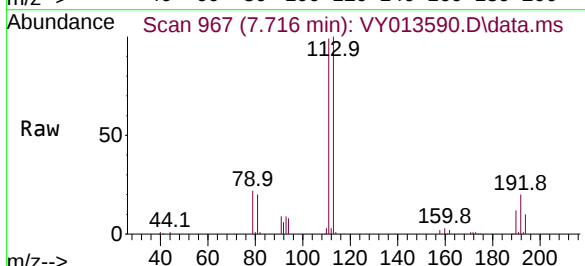
Tgt Ion:113 Resp: 82879

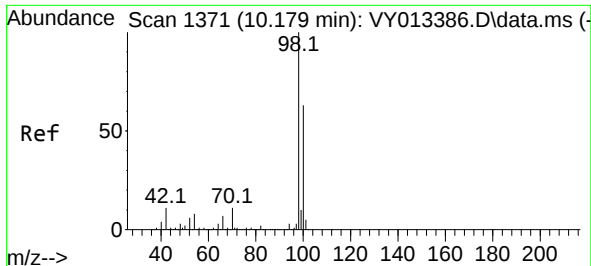
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 20.6 16.7 25.1

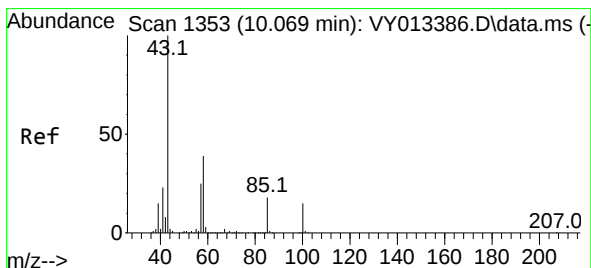
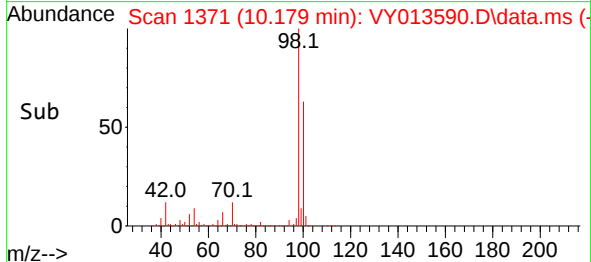
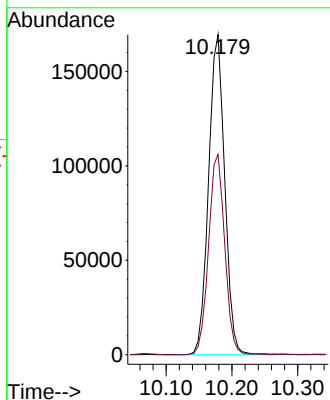
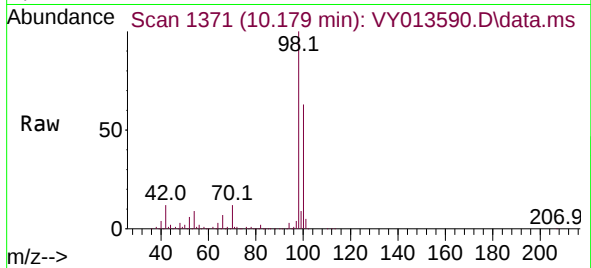




#50
Toluene-d8
Concen: 48.830 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

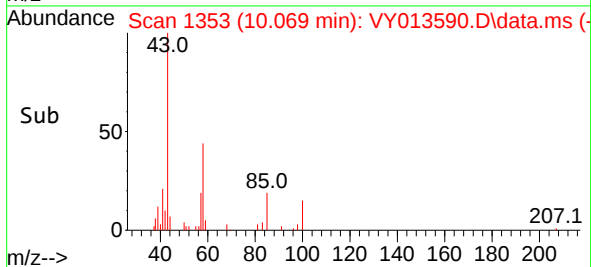
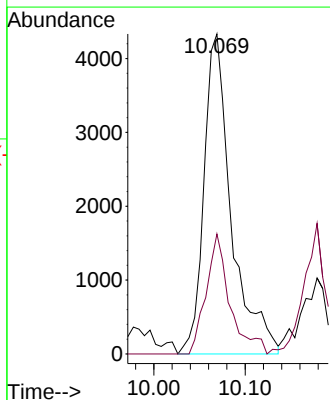
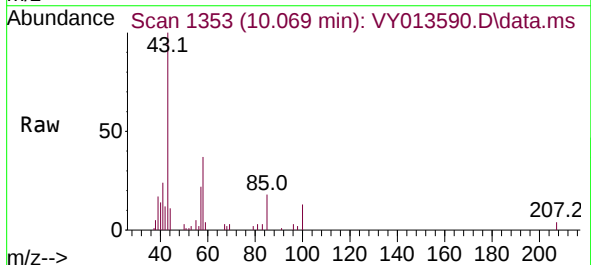
Instrument :
MSVOA_Y
ClientSampleId :
WO-4

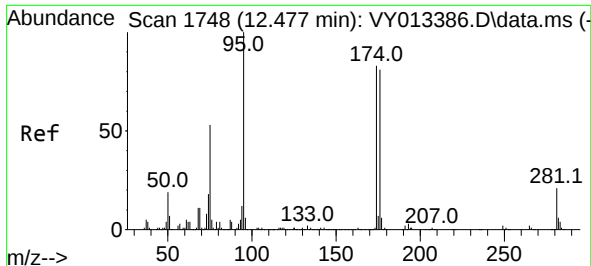
Tgt Ion: 98 Resp: 289767
Ion Ratio Lower Upper
98 100
100 62.6 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 4.599 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

Tgt Ion: 43 Resp: 9012
Ion Ratio Lower Upper
43 100
58 32.9 30.6 46.0

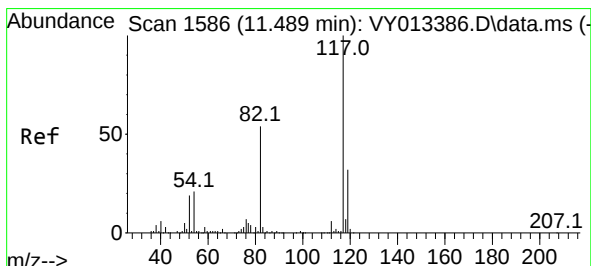
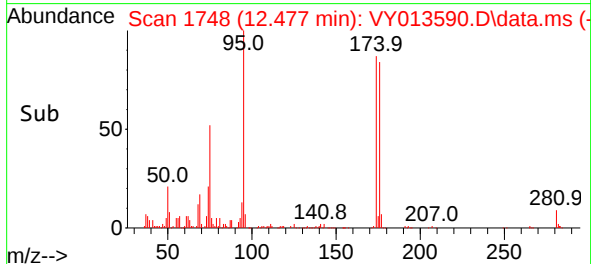
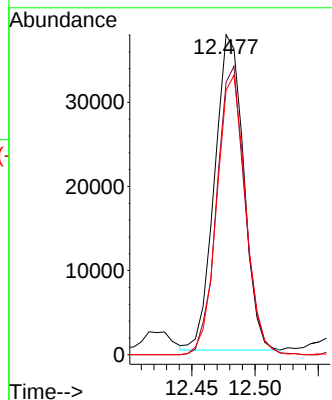
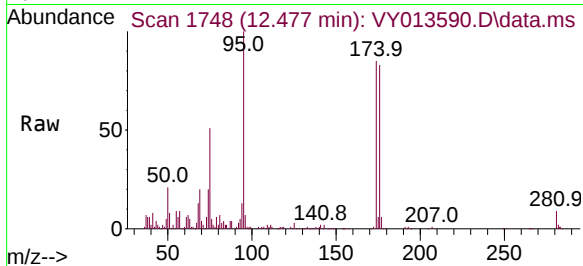




#62
4-Bromofluorobenzene
Concen: 29.880 ug/l
RT: 12.477 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

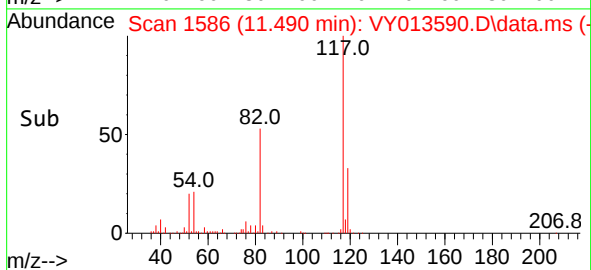
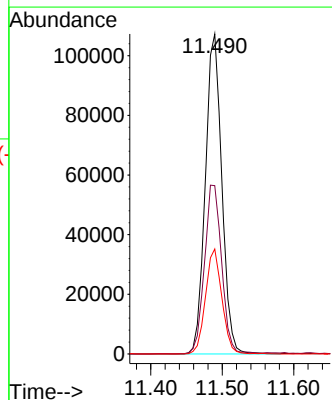
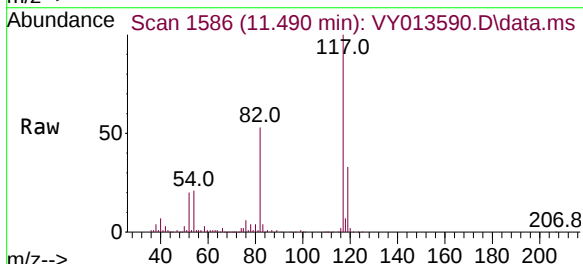
Instrument :
MSVOA_Y
ClientSampleId :
WO-4

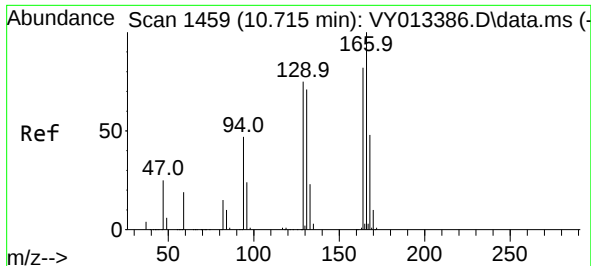
Tgt Ion: 95 Resp: 59778
Ion Ratio Lower Upper
95 100
174 88.8 0.0 182.0
176 87.8 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

Tgt Ion: 117 Resp: 172034
Ion Ratio Lower Upper
117 100
82 52.5 43.0 64.6
119 32.8 25.5 38.3

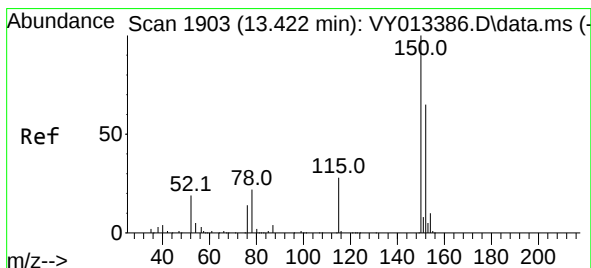
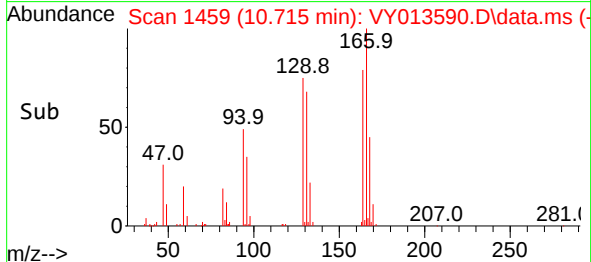
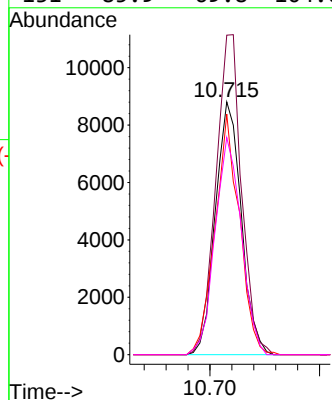
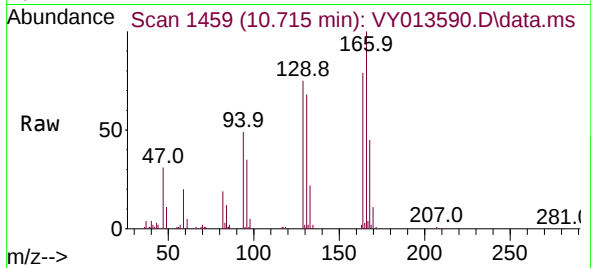




#64
Tetrachloroethene
Concen: 11.041 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

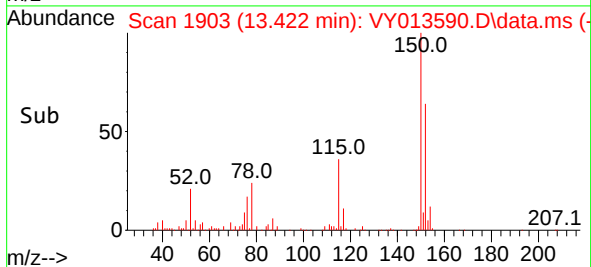
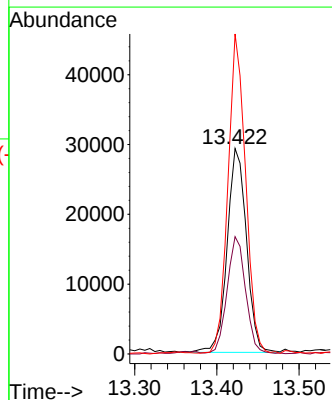
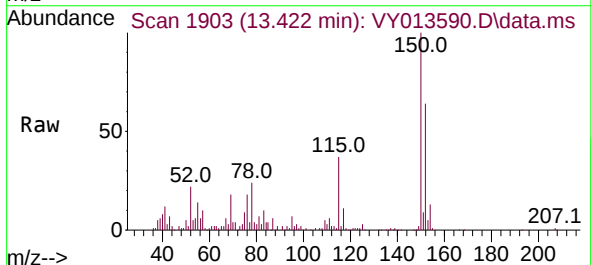
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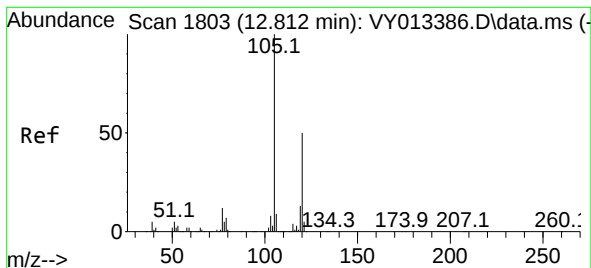
Tgt Ion:164	Resp:	14443
Ion	Ratio	Lower Upper
164	100	
166	126.4	97.5 146.3
129	95.2	72.6 109.0
131	85.9	69.8 104.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013590.D
Acq: 03 May 2023 18:31

Tgt Ion:152	Resp:	47607
Ion	Ratio	Lower Upper
152	100	
115	54.9	28.1 84.2
150	142.8	0.0 352.0





#80

1,3,5-Trimethylbenzene

Concen: 1.665 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY013590.D

Acq: 03 May 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

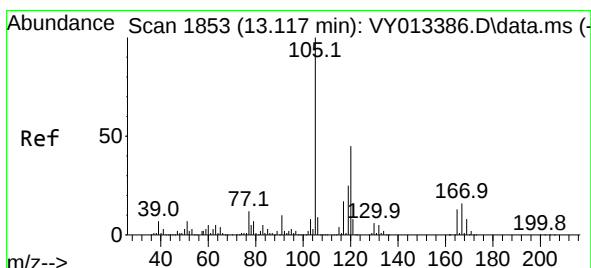
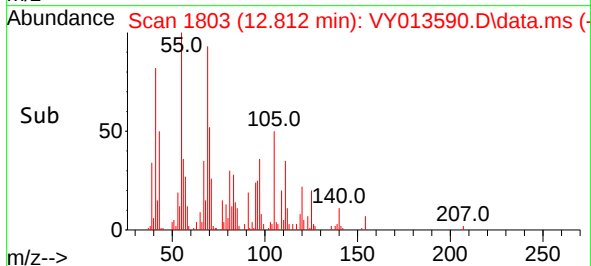
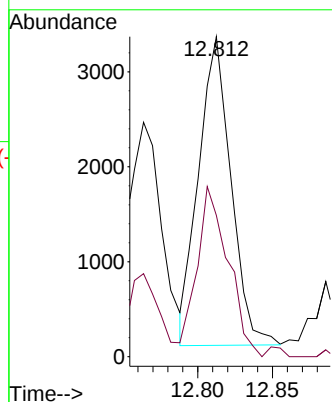
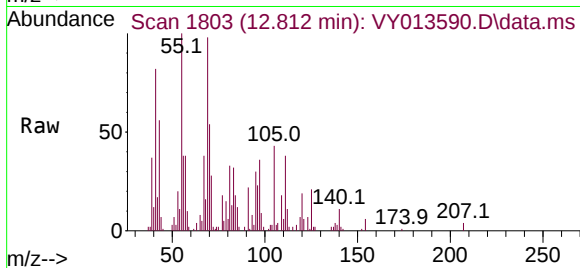
WO-4

Tgt Ion:105 Resp: 4892

Ion Ratio Lower Upper

105 100

120 52.9 24.7 74.1



#84

1,2,4-Trimethylbenzene

Concen: 2.797 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY013590.D

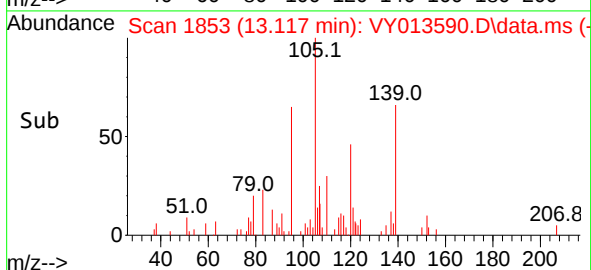
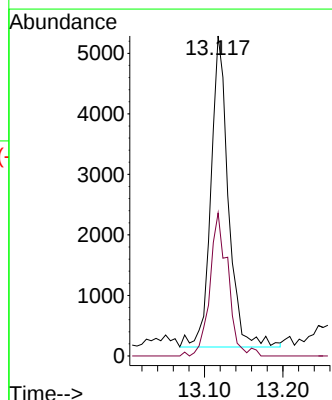
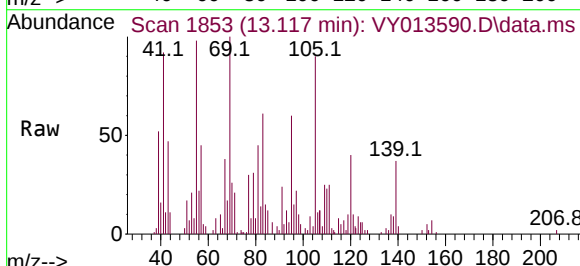
Acq: 03 May 2023 18:31

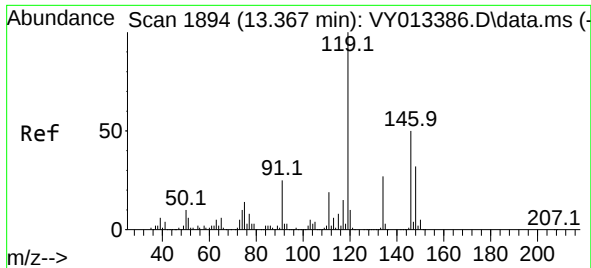
Tgt Ion:105 Resp: 7991

Ion Ratio Lower Upper

105 100

120 46.4 22.3 66.9





#86
 p-Isopropyltoluene
 Concen: 1.447 ug/l
 RT: 13.367 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY013590.D
 Acq: 03 May 2023 18:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 WO-4

Tgt Ion:119 Resp: 4447
 Ion Ratio Lower Upper
 119 100
 134 30.0 13.4 40.2
 91 0.0 12.1 36.3#

