

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013454.D
 Acq On : 25 Apr 2023 18:13
 Operator : KP/MD
 Sample : 02389-30RE
 Misc : 3.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-8WC-23-04-17

Quant Time: Apr 26 02:53:07 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)

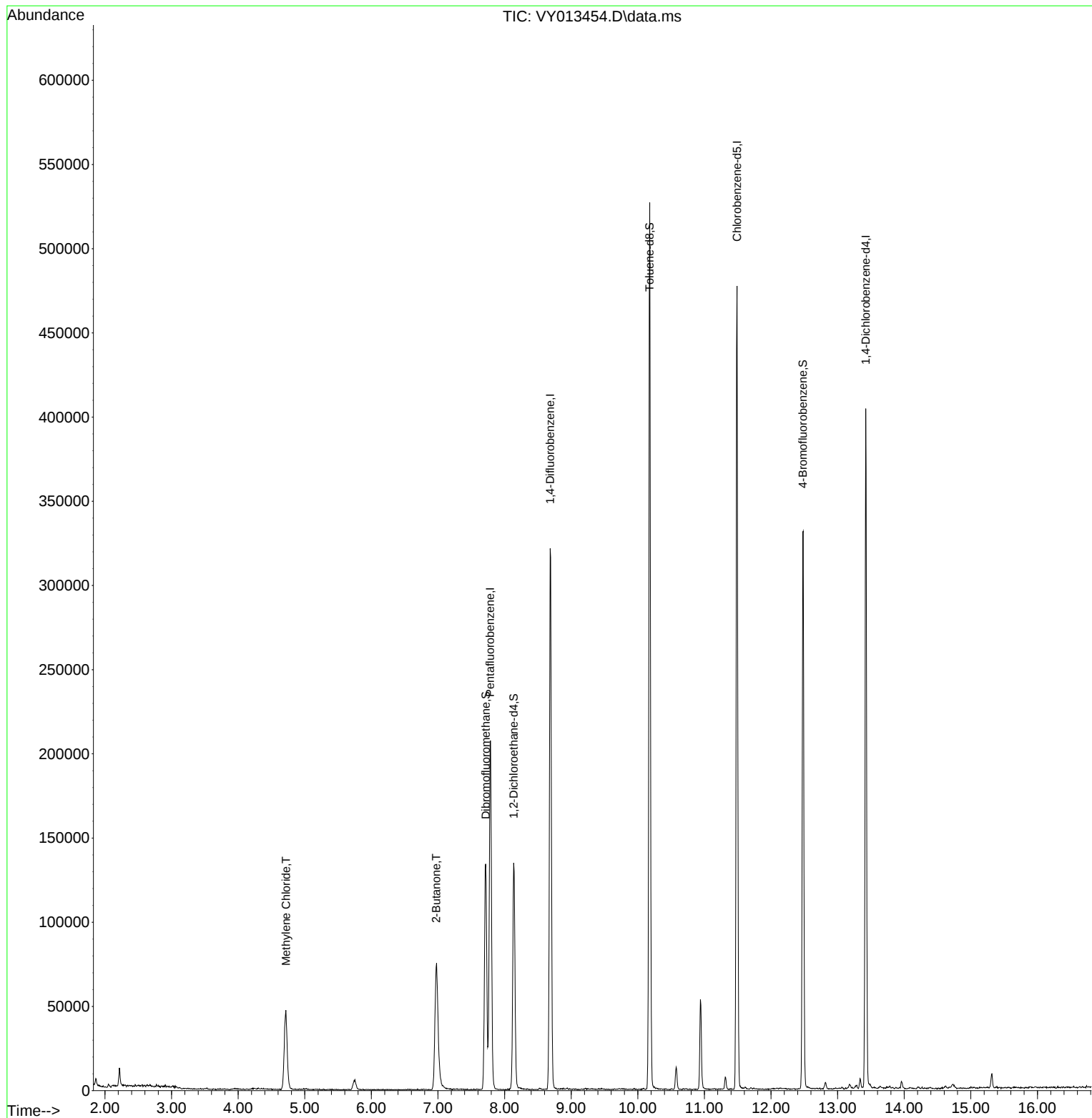
Internal Standards						
1) Pentafluorobenzene	7.783	168	163062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	271813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	249314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108314	60.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.180%
35) Dibromofluoromethane	7.716	113	96034	56.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.340%
50) Toluene-d8	10.179	98	327149	53.793	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.580%
62) 4-Bromofluorobenzene	12.477	95	96245	46.942	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.880%
Target Compounds						
20) Methylene Chloride	4.716	84	34597	9.065	ug/l	97
25) 2-Butanone	6.972	43	4794	5.370	ug/l #	67

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

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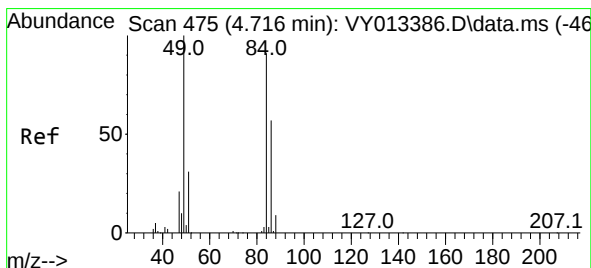
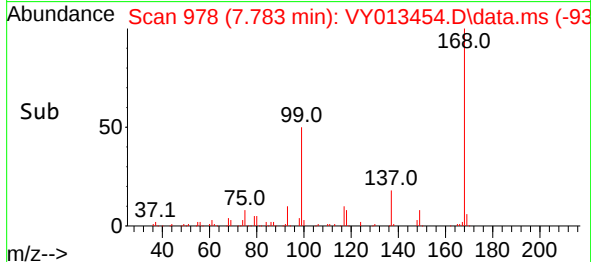
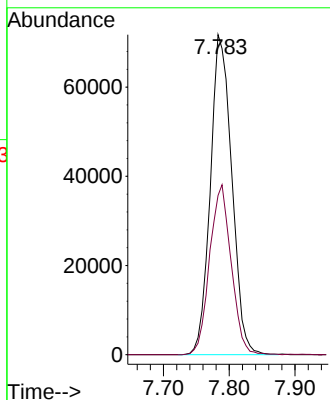
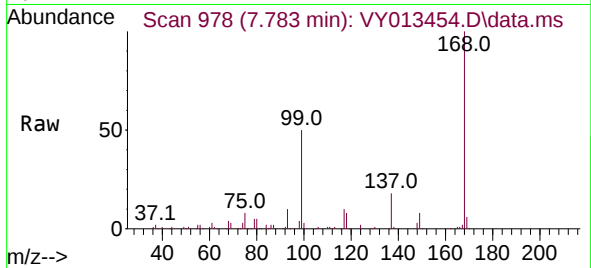




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

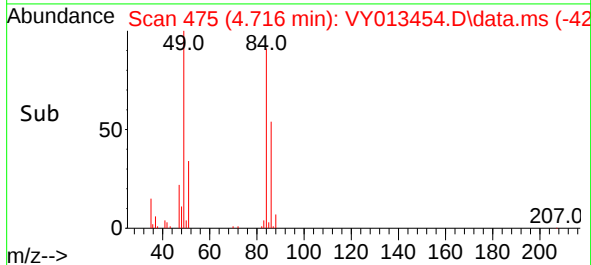
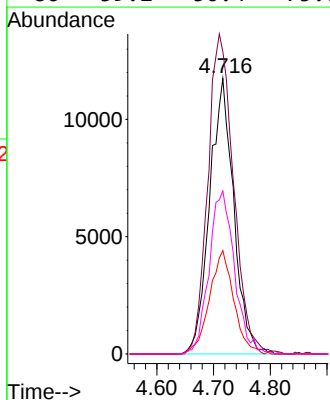
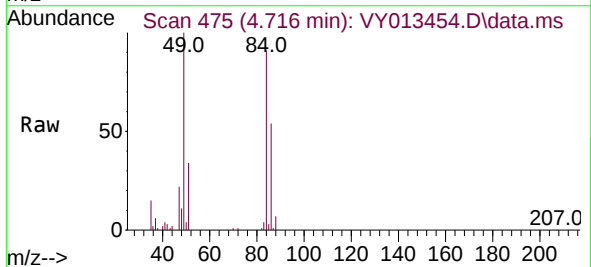
Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

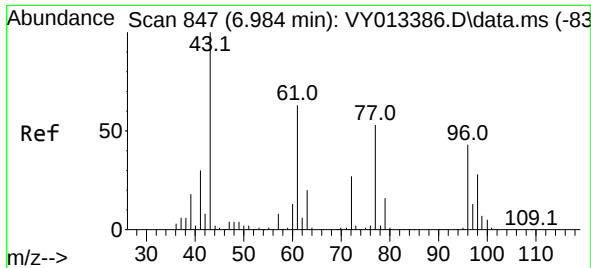
Tgt Ion:168 Resp: 163062
Ion Ratio Lower Upper
168 100
99 49.7 41.8 62.6



#20
Methylene Chloride
Concen: 9.065 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion: 84 Resp: 34597
Ion Ratio Lower Upper
84 100
49 109.8 88.0 132.0
51 37.5 27.4 41.0
86 59.2 50.4 75.6

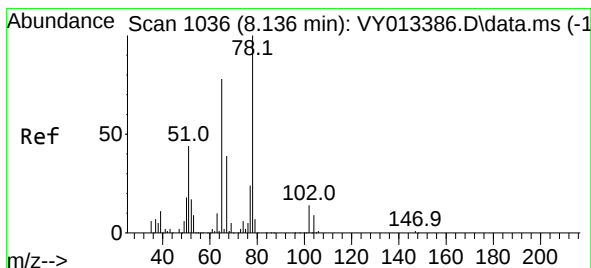
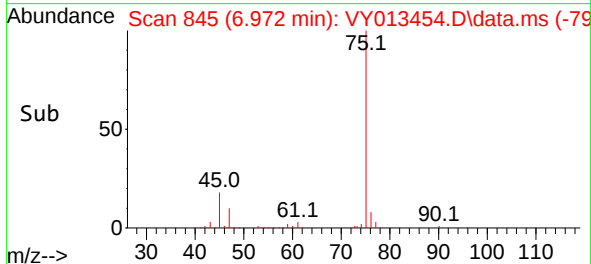
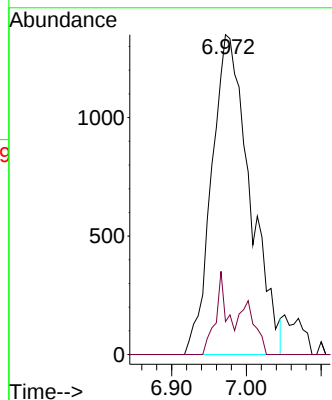
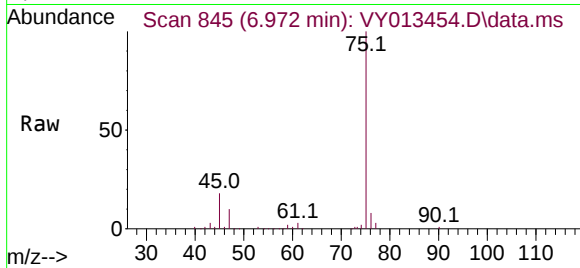




#25
2-Butanone
Concen: 5.370 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

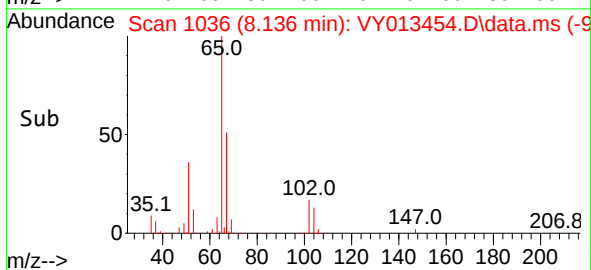
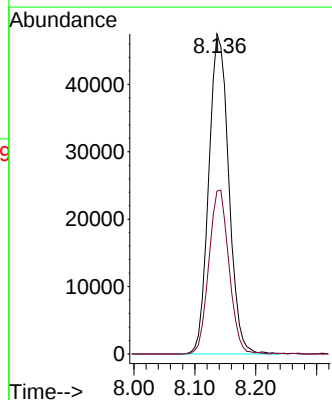
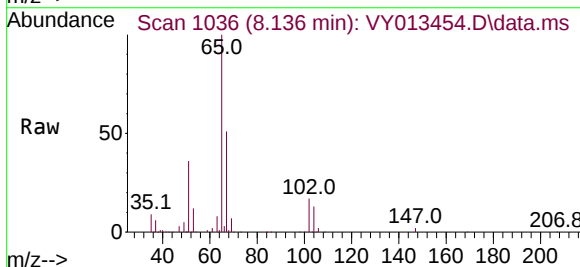
Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

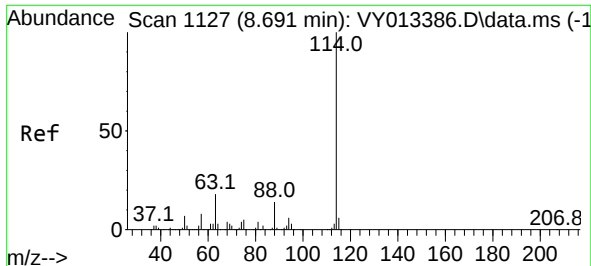
Tgt Ion: 43 Resp: 4794
Ion Ratio Lower Upper
43 100
72 10.3 21.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 60.595 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion: 65 Resp: 108314
Ion Ratio Lower Upper
65 100
67 51.4 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: VY013454.D

Acq: 25 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SPB-8WC-23-04-17

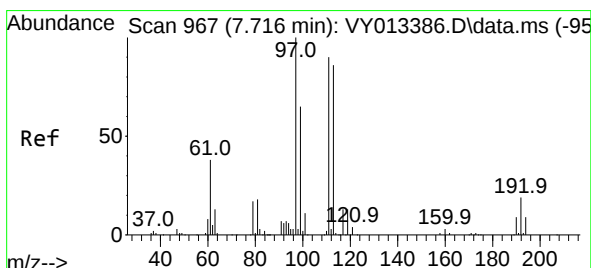
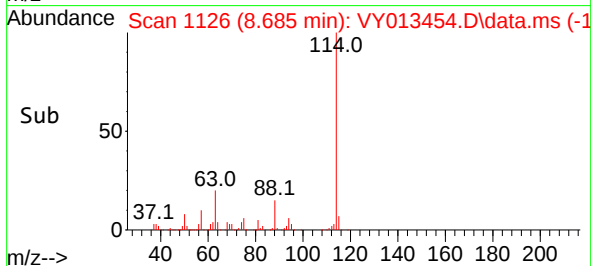
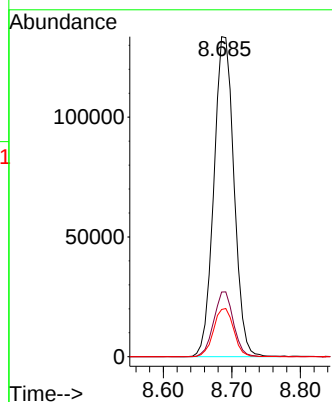
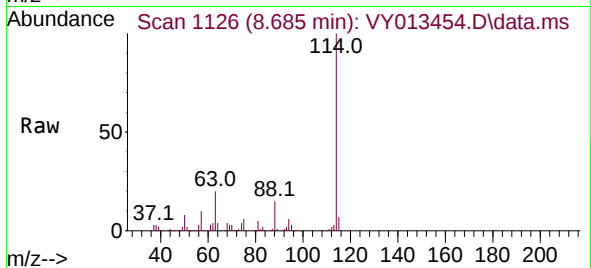
Tgt Ion:114 Resp: 271813

Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.6

88 14.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 56.174 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013454.D

Acq: 25 Apr 2023 18:13

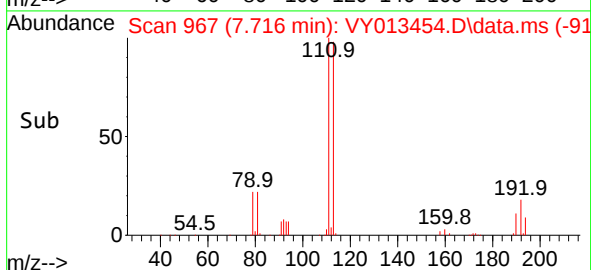
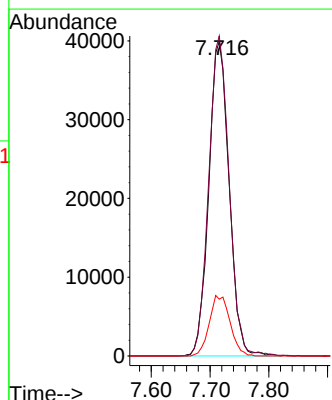
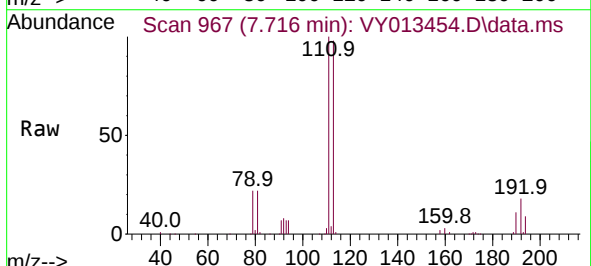
Tgt Ion:113 Resp: 96034

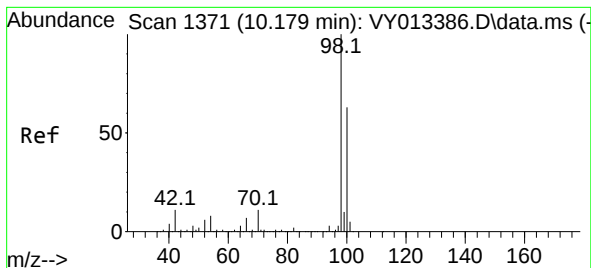
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.2

192 19.6 16.7 25.1





#50

Toluene-d8

Concen: 53.793 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013454.D

Acq: 25 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

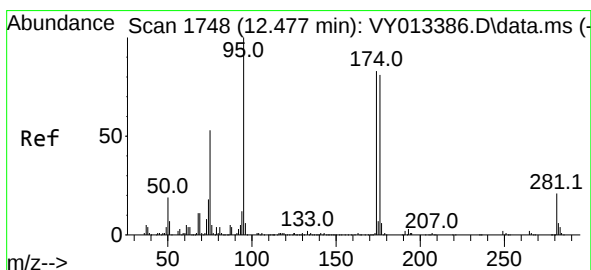
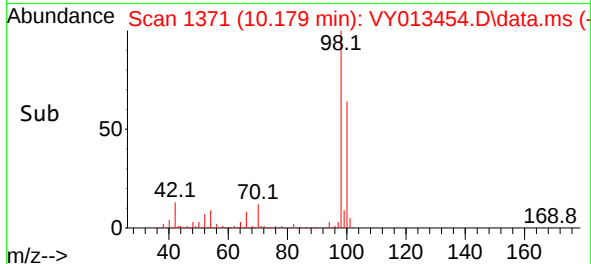
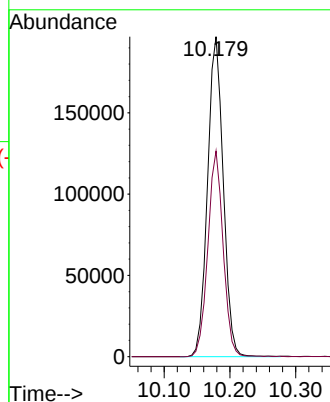
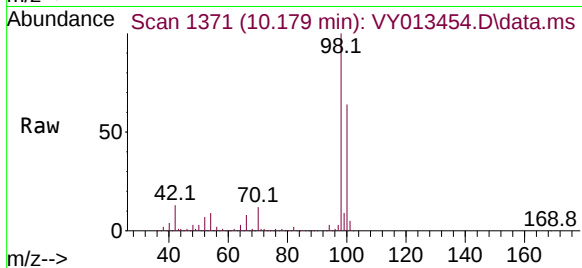
SPB-8WC-23-04-17

Tgt Ion: 98 Resp: 327149

Ion Ratio Lower Upper

98 100

100 62.5 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 46.942 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013454.D

Acq: 25 Apr 2023 18:13

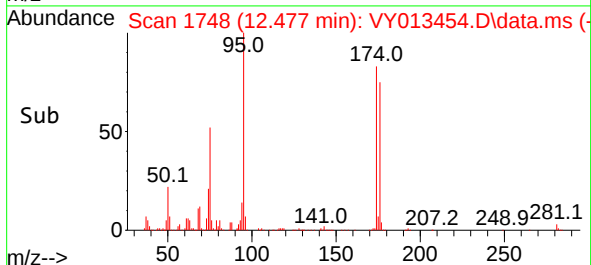
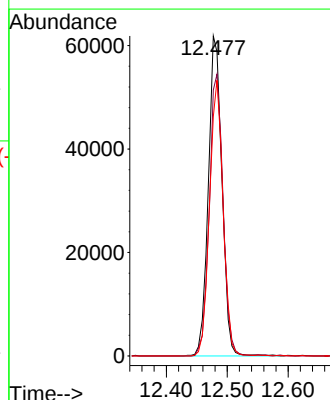
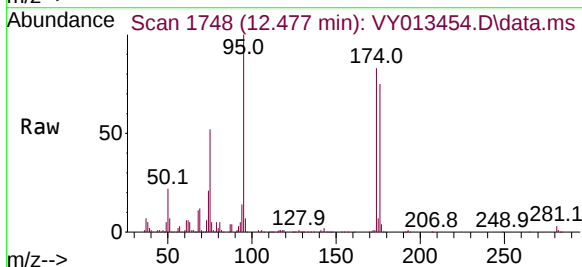
Tgt Ion: 95 Resp: 96245

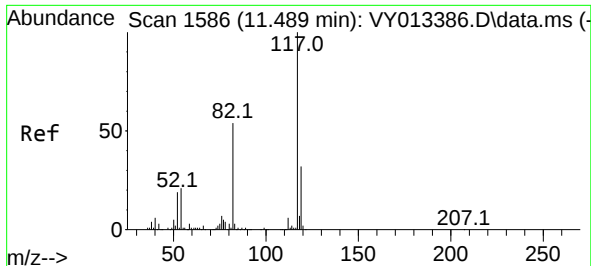
Ion Ratio Lower Upper

95 100

174 88.7 0.0 182.0

176 85.4 0.0 175.4

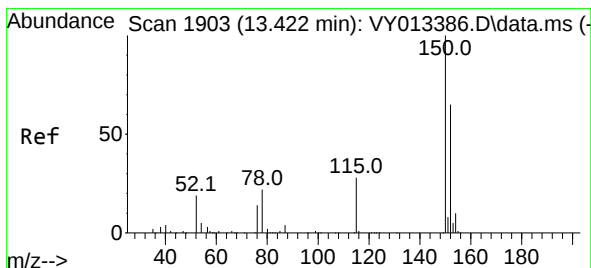
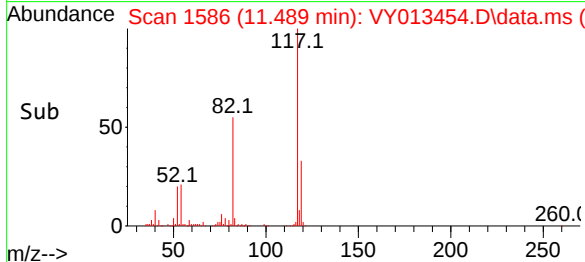
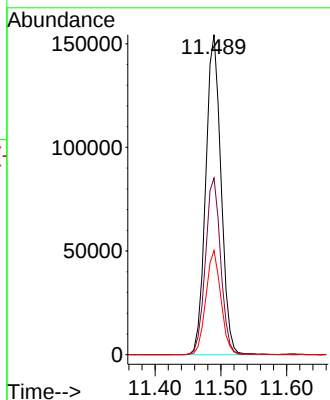
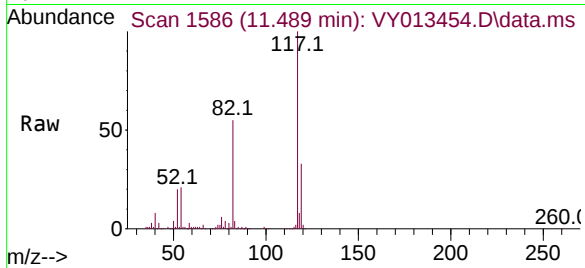




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

Tgt Ion:	117	Resp:	249314
Ion	Ratio	Lower	Upper
117	100		
82	55.1	43.0	64.6
119	32.6	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion:	152	Resp:	100839
Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	157.5	0.0	352.0

