

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050223\
 Data File : VY013555.D
 Acq On : 02 May 2023 14:36
 Operator : KP/MD
 Sample : 02567-01
 Misc : 6.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-21-SB01

Quant Time: May 03 01:33:40 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)

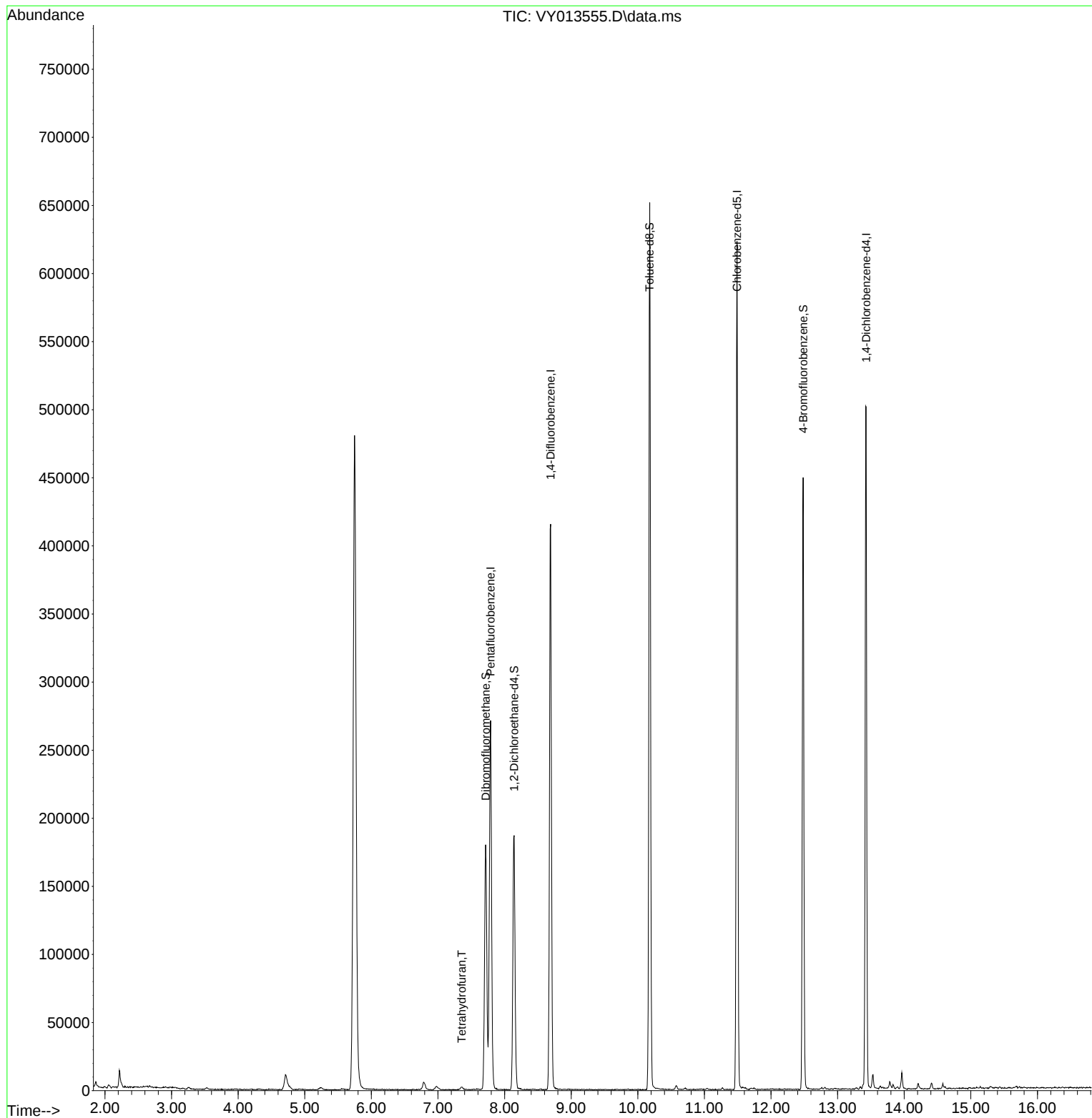
Internal Standards						
1) Pentafluorobenzene	7.789	168	210189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	348976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	326049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	132452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	152256	66.079	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.160%	
35) Dibromofluoromethane	7.716	113	124022	56.505	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.000%	
50) Toluene-d8	10.179	98	422412	54.099	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.200%	
62) 4-Bromofluorobenzene	12.483	95	123367	46.866	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.740%	
Target Compounds						
					Qvalue	
29) Tetrahydrofuran	7.356	42	1553	2.168	ug/l	# 69

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

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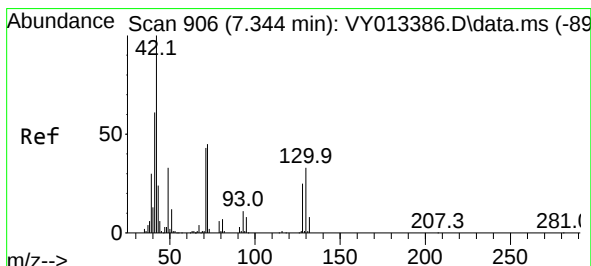
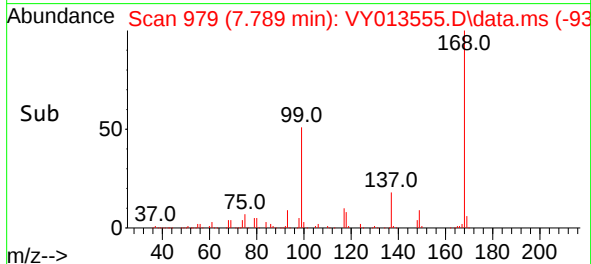
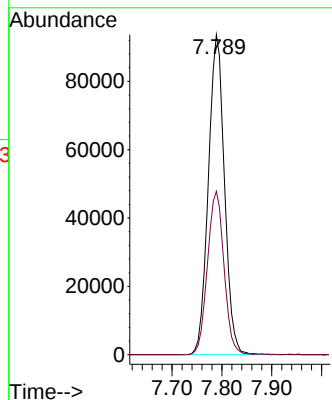
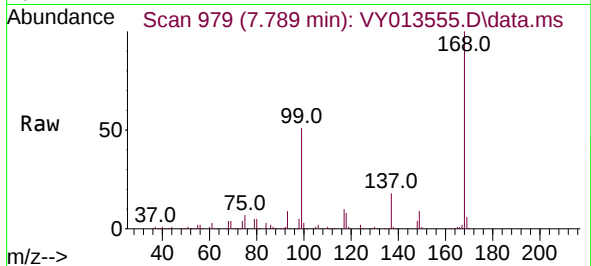




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013555.D
Acq: 02 May 2023 14:36

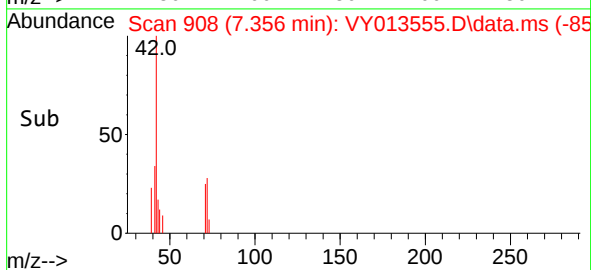
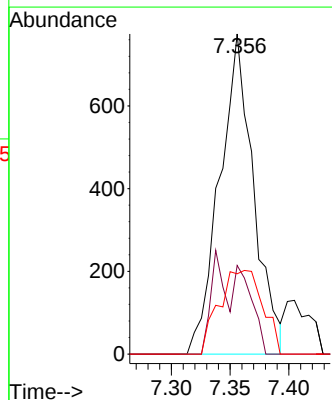
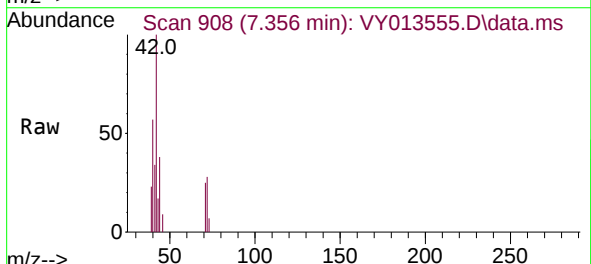
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB01

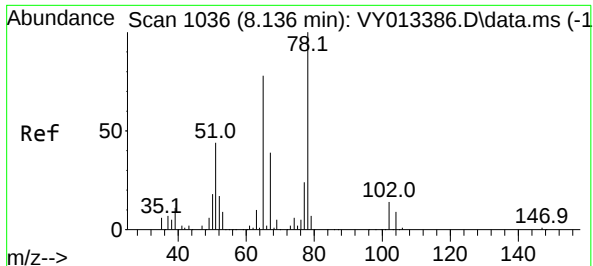
Tgt Ion:168 Resp: 210189
Ion Ratio Lower Upper
168 100
99 51.1 41.8 62.6



#29
Tetrahydrofuran
Concen: 2.168 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.012 min
Lab File: VY013555.D
Acq: 02 May 2023 14:36

Tgt Ion: 42 Resp: 1553
Ion Ratio Lower Upper
42 100
72 14.5 35.9 53.9#
71 33.7 34.3 51.5#





#33

1,2-Dichloroethane-d4

Concen: 66.079 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.006 min

Lab File: VY013555.D

Acq: 02 May 2023 14:36

Instrument :

MSVOA_Y

ClientSampleId :

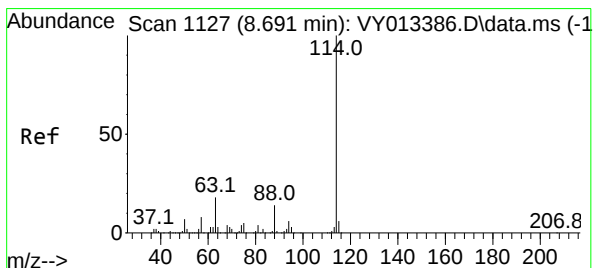
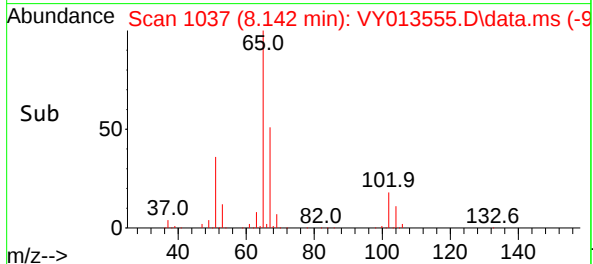
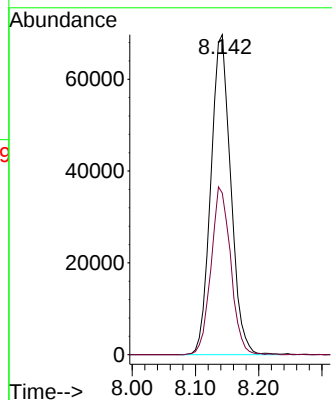
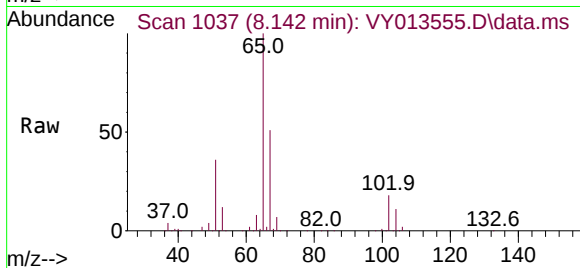
B-21-SB01

Tgt Ion: 65 Resp: 152256

Ion Ratio Lower Upper

65 100

67 51.9 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: VY013555.D

Acq: 02 May 2023 14:36

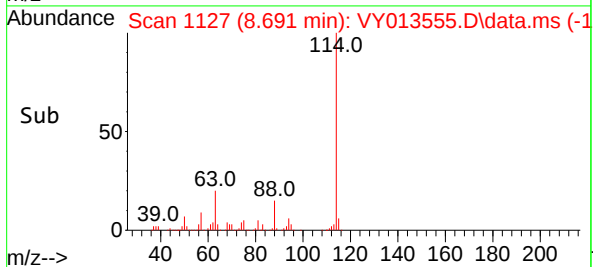
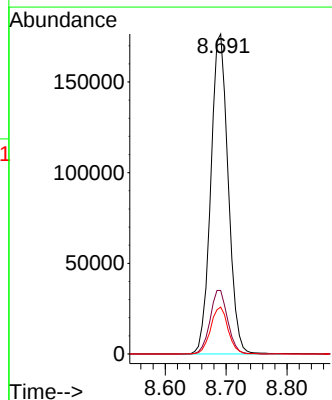
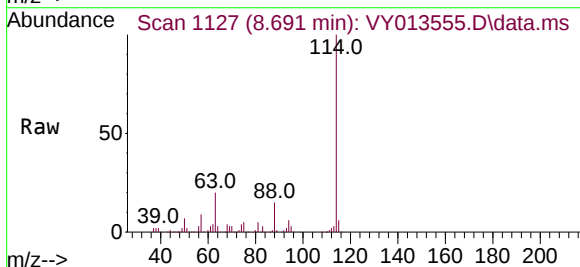
Tgt Ion: 114 Resp: 348976

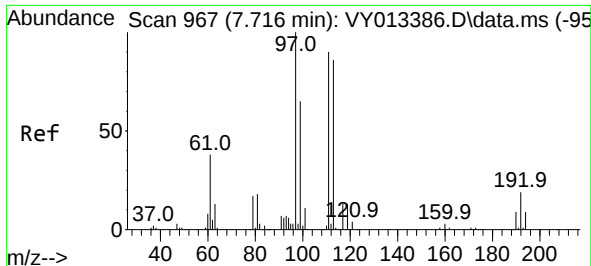
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.6

88 14.6 0.0 28.8

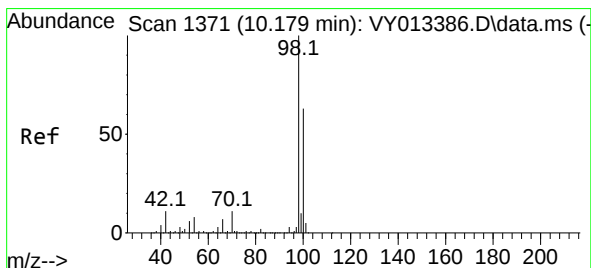
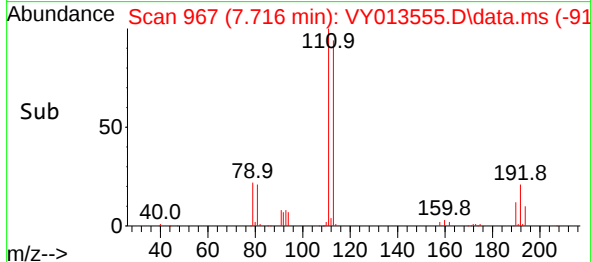
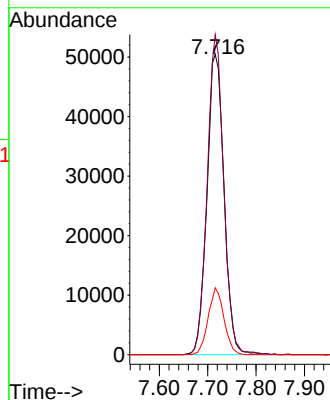
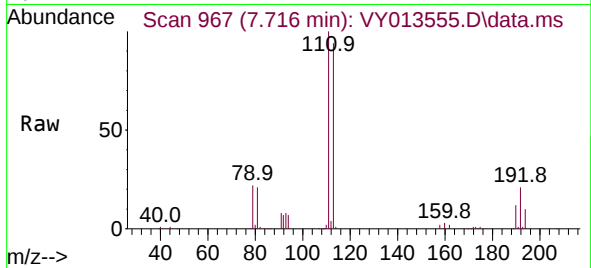




#35
Dibromofluoromethane
Concen: 56.505 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013555.D
Acq: 02 May 2023 14:36

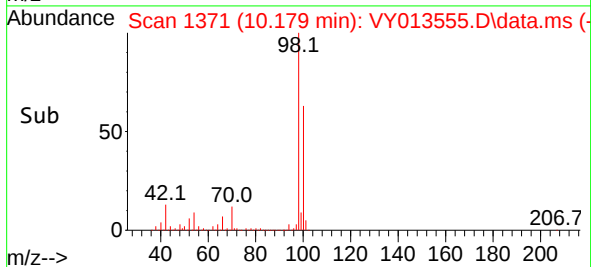
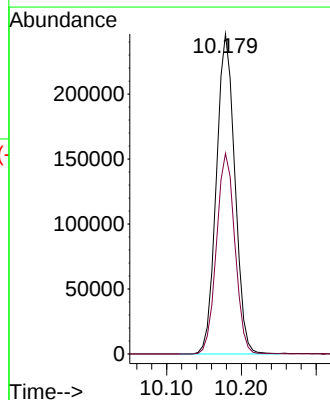
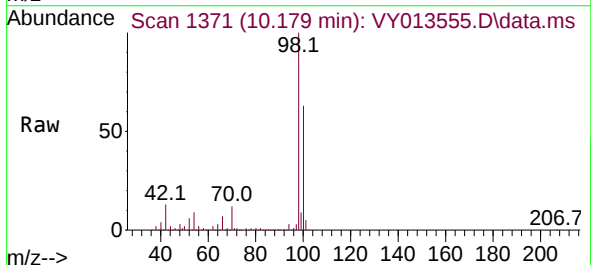
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB01

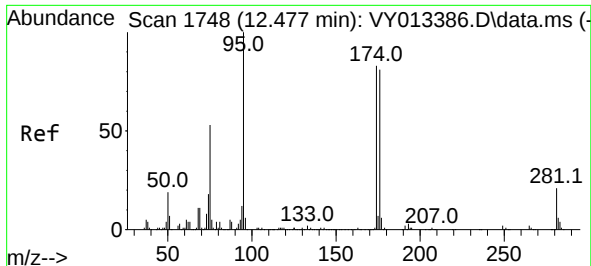
Tgt Ion:113 Resp: 124022
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 20.6 16.7 25.1



#50
Toluene-d8
Concen: 54.099 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013555.D
Acq: 02 May 2023 14:36

Tgt Ion: 98 Resp: 422412
Ion Ratio Lower Upper
98 100
100 62.5 50.5 75.7

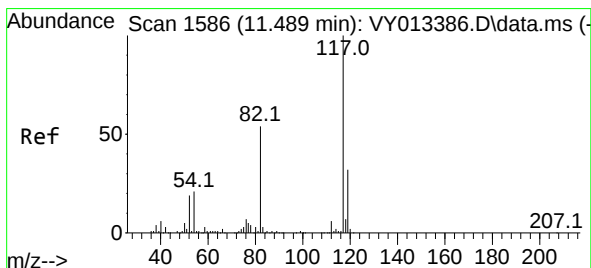
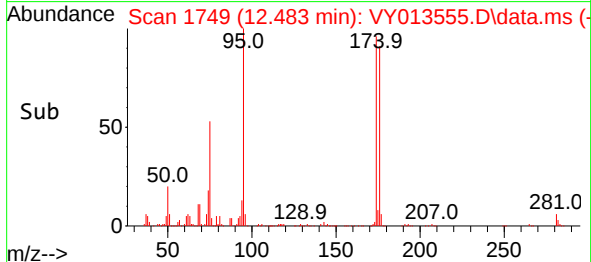
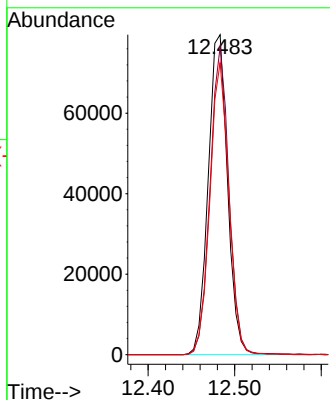
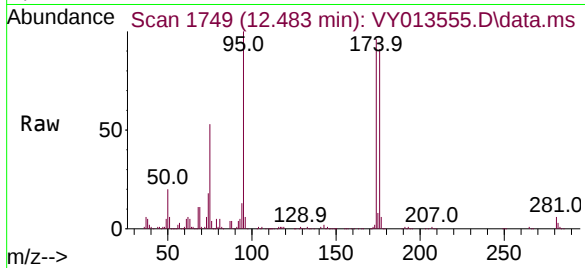




#62
4-Bromofluorobenzene
Concen: 46.866 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY013555.D
Acq: 02 May 2023 14:36

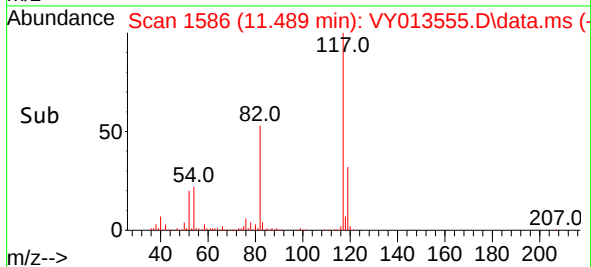
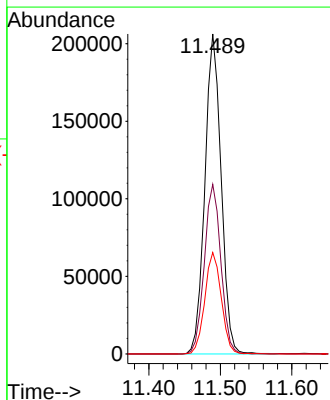
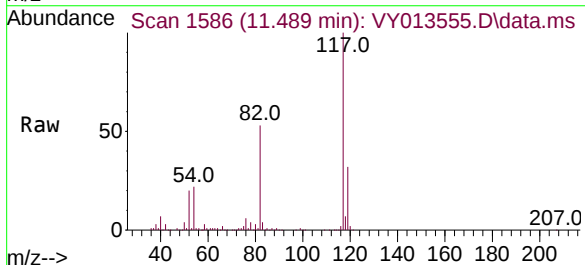
Instrument :
MSVOA_Y
ClientSampleId :
B-21-SB01

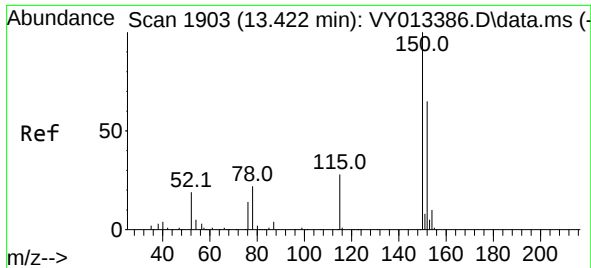
Tgt Ion: 95 Resp: 123367
Ion Ratio Lower Upper
95 100
174 94.2 0.0 182.0
176 89.7 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013555.D
Acq: 02 May 2023 14:36

Tgt Ion: 117 Resp: 326049
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.6
119 31.7 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY013555.D

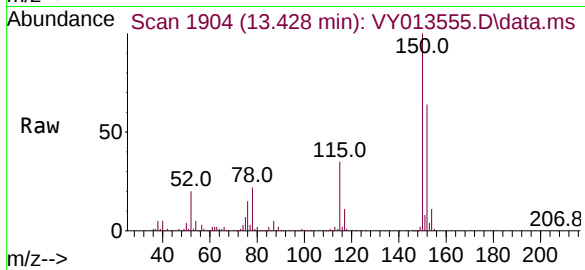
Acq: 02 May 2023 14:36

Instrument :

MSVOA_Y

ClientSampleId :

B-21-SB01



Tgt Ion:152 Resp: 132452

Ion Ratio Lower Upper

152 100

115 55.3 28.1 84.2

150 154.5 0.0 352.0

