

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013879.D
 Acq On : 25 May 2023 17:33
 Operator : KP/MD
 Sample : 02908-04RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB09RE

Quant Time: May 26 04:34:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

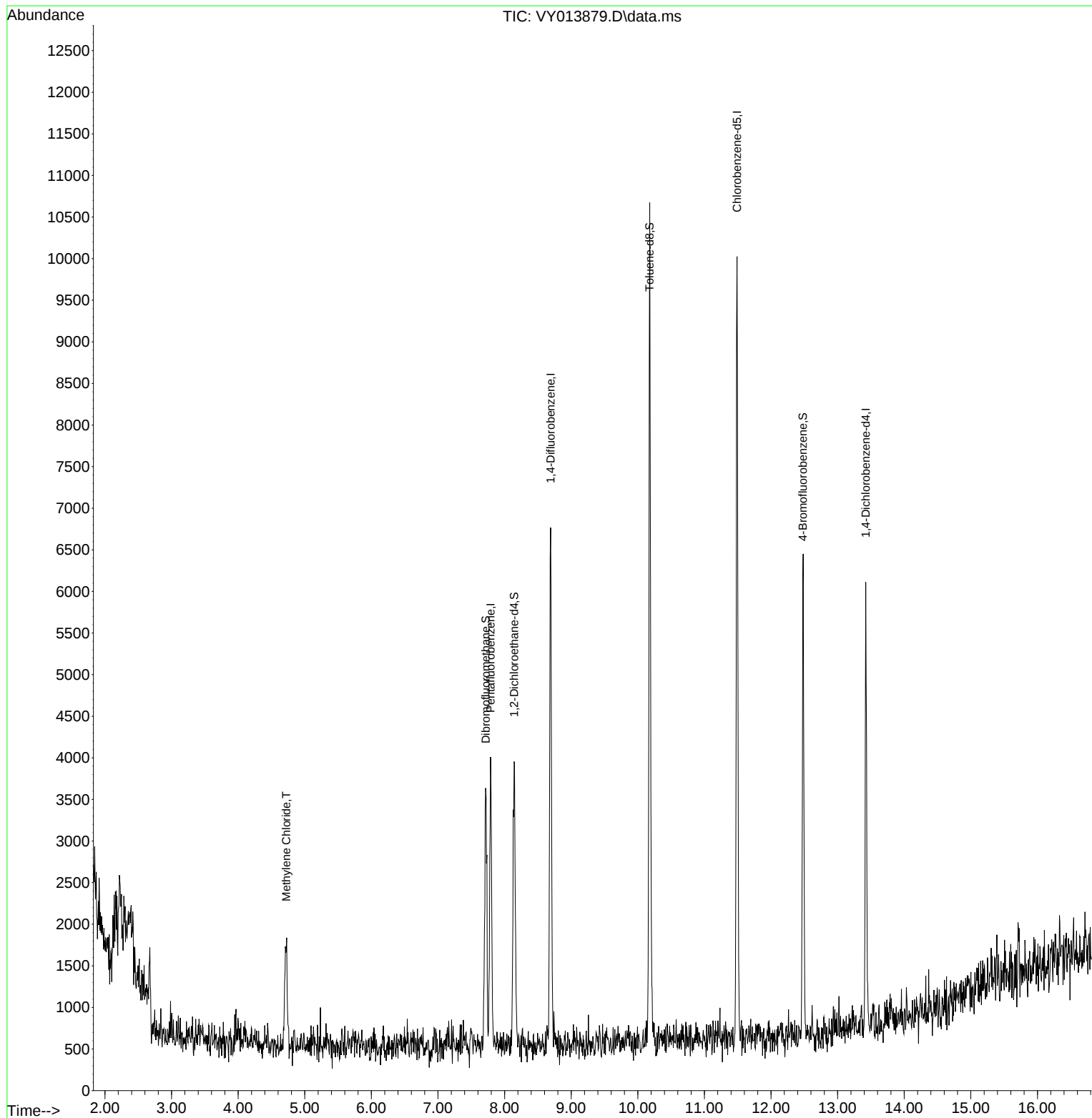
Internal Standards						
1) Pentafluorobenzene	7.789	168	3024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	5472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5159	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	3055	87.324	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 174.640%#	
35) Dibromofluoromethane	7.716	113	2190	61.972	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.940%	
50) Toluene-d8	10.179	98	6899	51.366	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.740%	
62) 4-Bromofluorobenzene	12.477	95	2017	45.179	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.360%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.722	84	942	24.280	ug/l	# 66

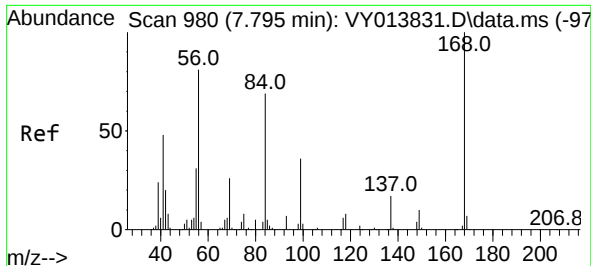
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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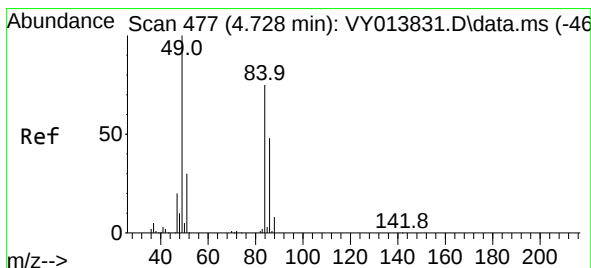
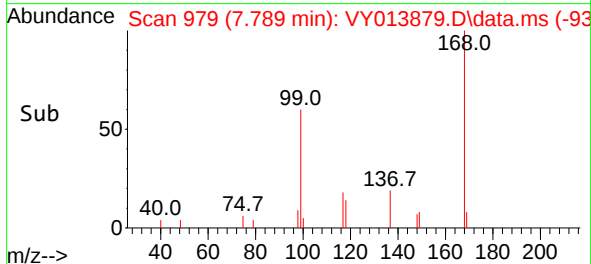
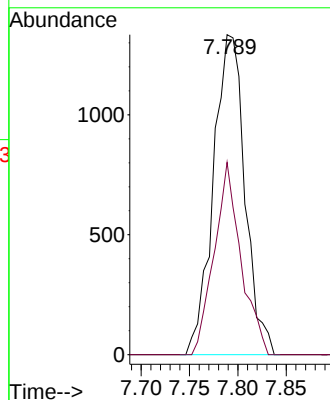
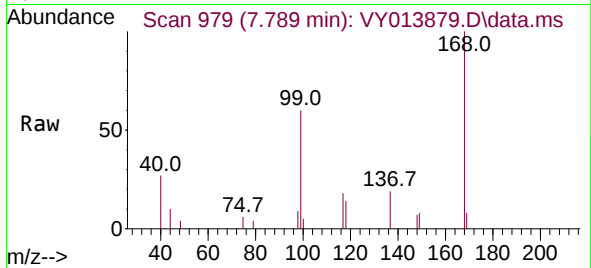




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

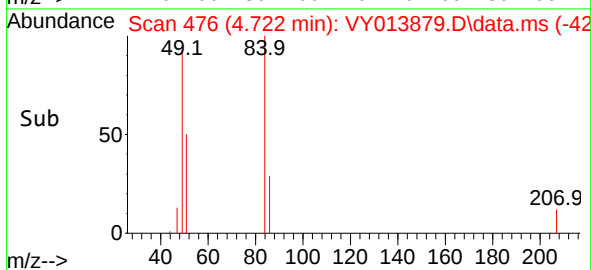
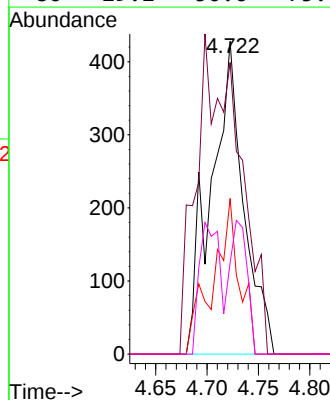
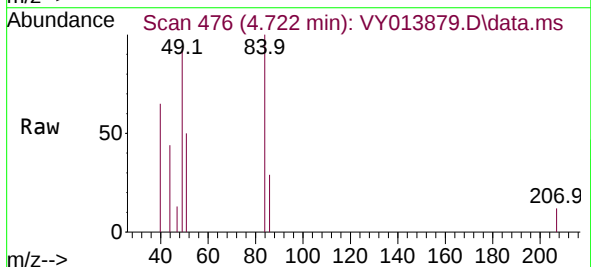
Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

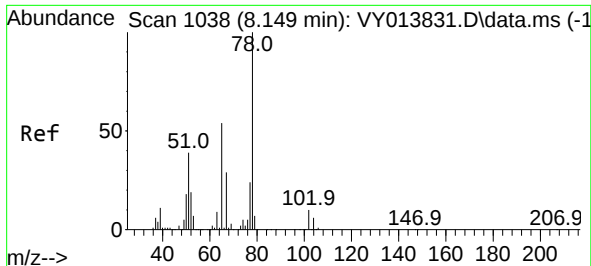
Tgt Ion:168 Resp: 3024
Ion Ratio Lower Upper
168 100
99 60.1 43.4 65.2



#20
Methylene Chloride
Concen: 24.280 ug/l
RT: 4.722 min Scan# 476
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 84 Resp: 942
Ion Ratio Lower Upper
84 100
49 93.2 106.2 159.2#
51 49.8 31.4 47.0#
86 29.2 50.6 75.8#





#33

1,2-Dichloroethane-d4

Concen: 87.324 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY013879.D

Acq: 25 May 2023 17:33

Instrument :

MSVOA_Y

ClientSampleId :

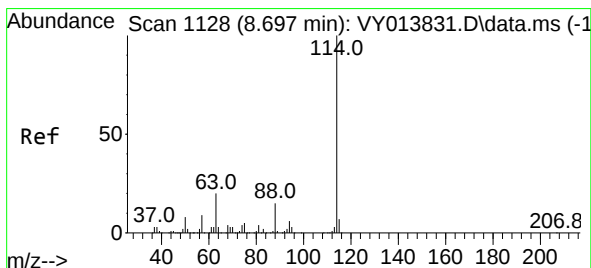
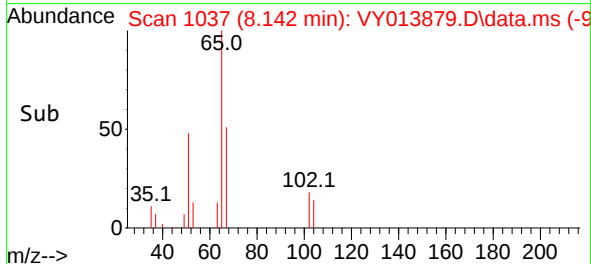
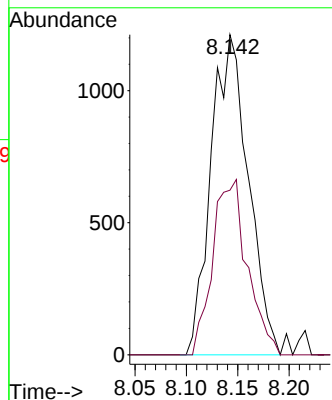
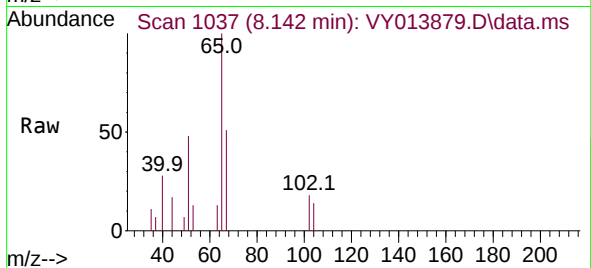
SB09RE

Tgt Ion: 65 Resp: 3055

Ion Ratio Lower Upper

65 100

67 50.8 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013879.D

Acq: 25 May 2023 17:33

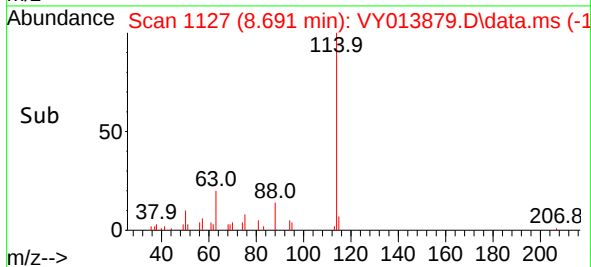
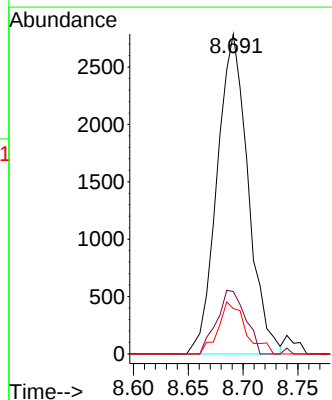
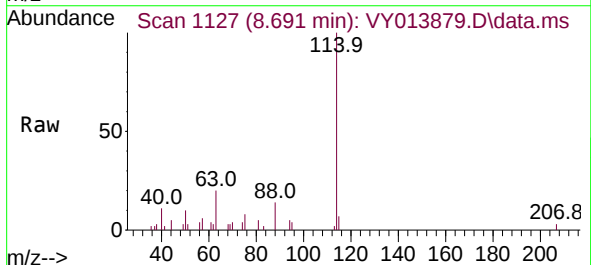
Tgt Ion: 114 Resp: 5472

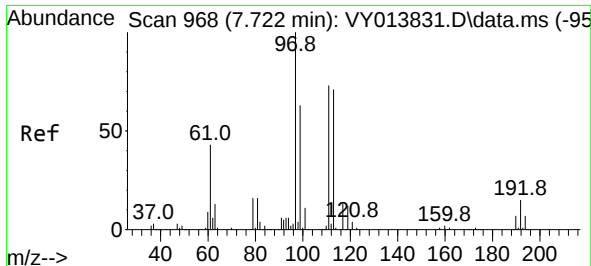
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 14.2 0.0 30.0

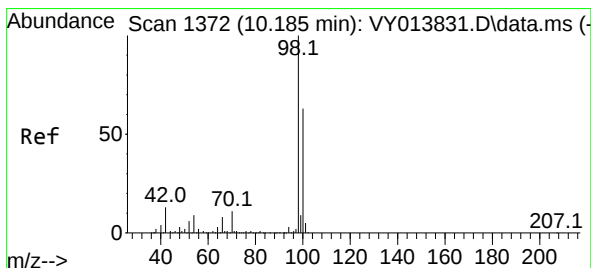
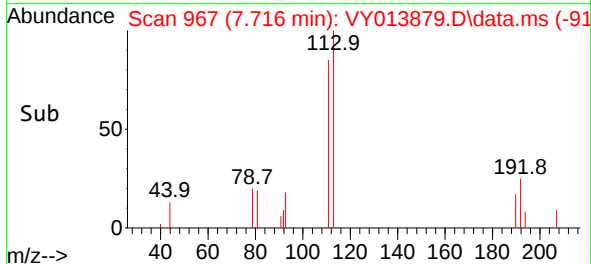
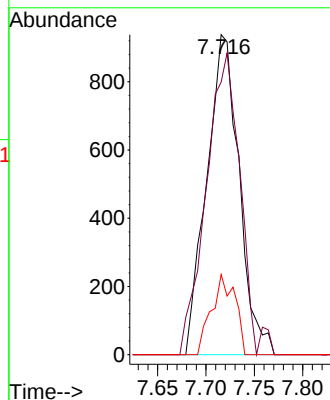
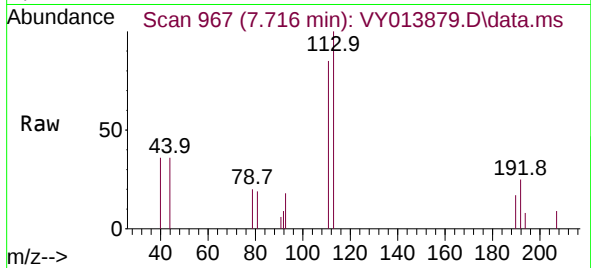




#35
Dibromofluoromethane
Concen: 61.972 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

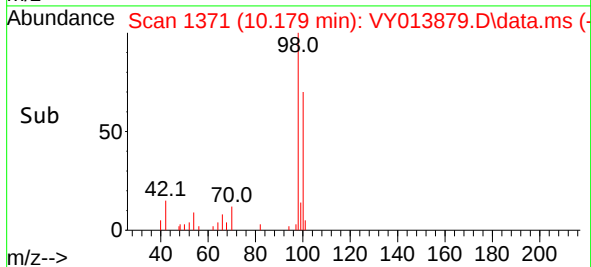
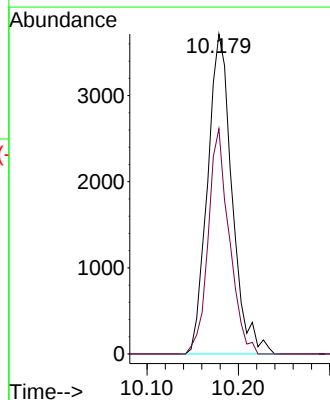
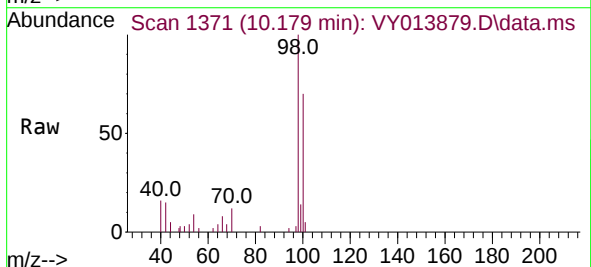
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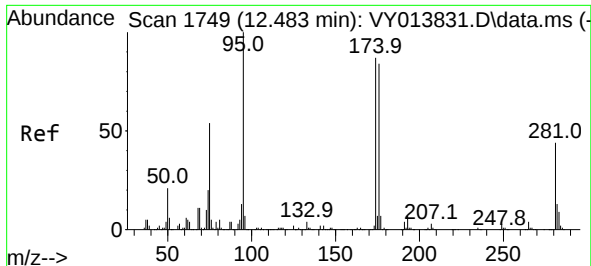
Tgt Ion:113 Resp: 2190
Ion Ratio Lower Upper
113 100
111 99.0 80.4 120.6
192 18.1 16.6 25.0



#50
Toluene-d8
Concen: 51.366 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Tgt Ion: 98 Resp: 6899
Ion Ratio Lower Upper
98 100
100 60.6 50.8 76.2

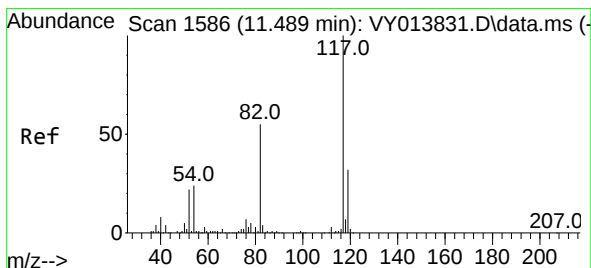
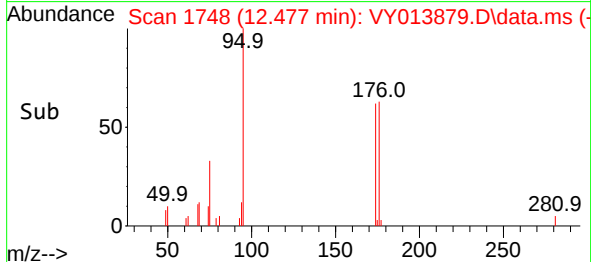
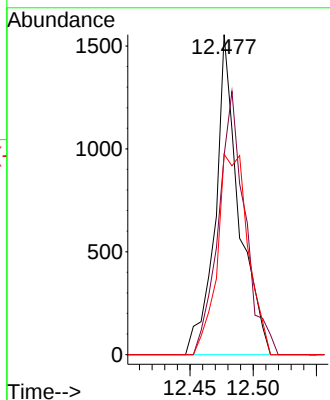
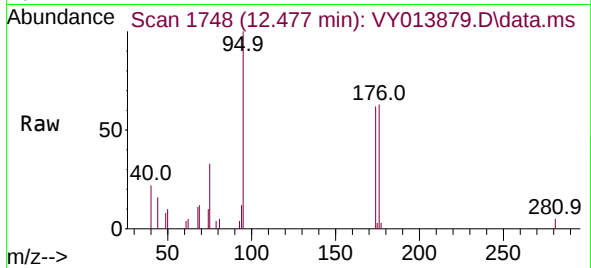




#62
4-Bromofluorobenzene
Concen: 45.179 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

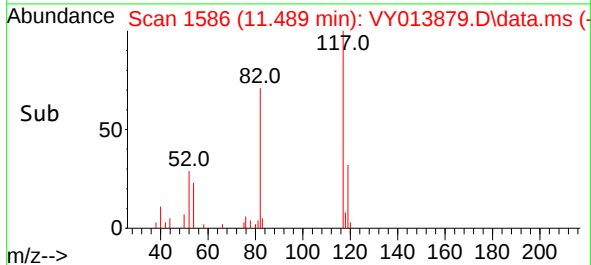
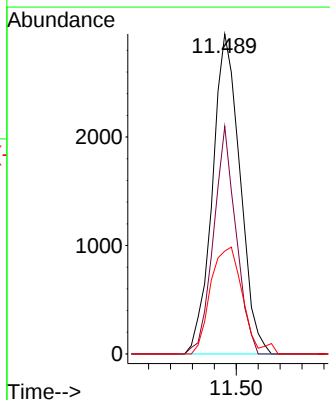
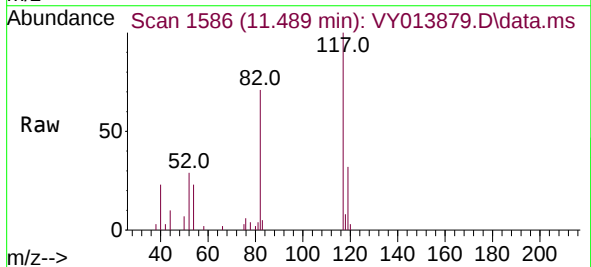
Instrument :
MSVOA_Y
ClientSampleId :
SB09RE

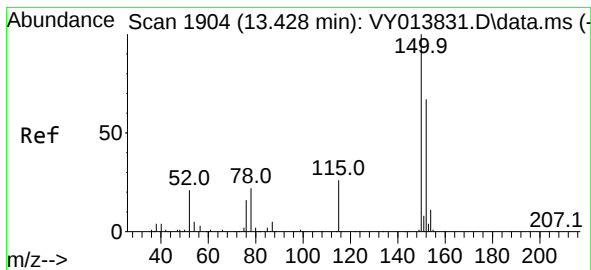
Tgt Ion: 95 Resp: 2017
Ion Ratio Lower Upper
95 100
174 92.6 0.0 176.0
176 82.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

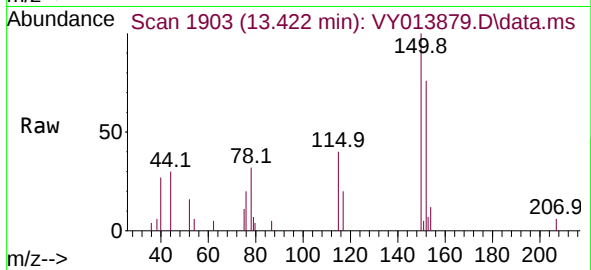
Tgt Ion: 117 Resp: 5159
Ion Ratio Lower Upper
117 100
82 71.1 44.2 66.4#
119 32.2 25.7 38.5





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013879.D
Acq: 25 May 2023 17:33

Instrument :
MSVOA_Y
ClientSampleId :
SB09RE



Tgt Ion	Ratio	Lower	Upper
152	100		
115	49.1	28.8	86.5
150	140.7	0.0	353.4

