

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012267.D
 Acq On : 19 Jan 2023 15:47
 Operator : KP/MD
 Sample : 01190-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-1D

Quant Time: Jan 20 03:24:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

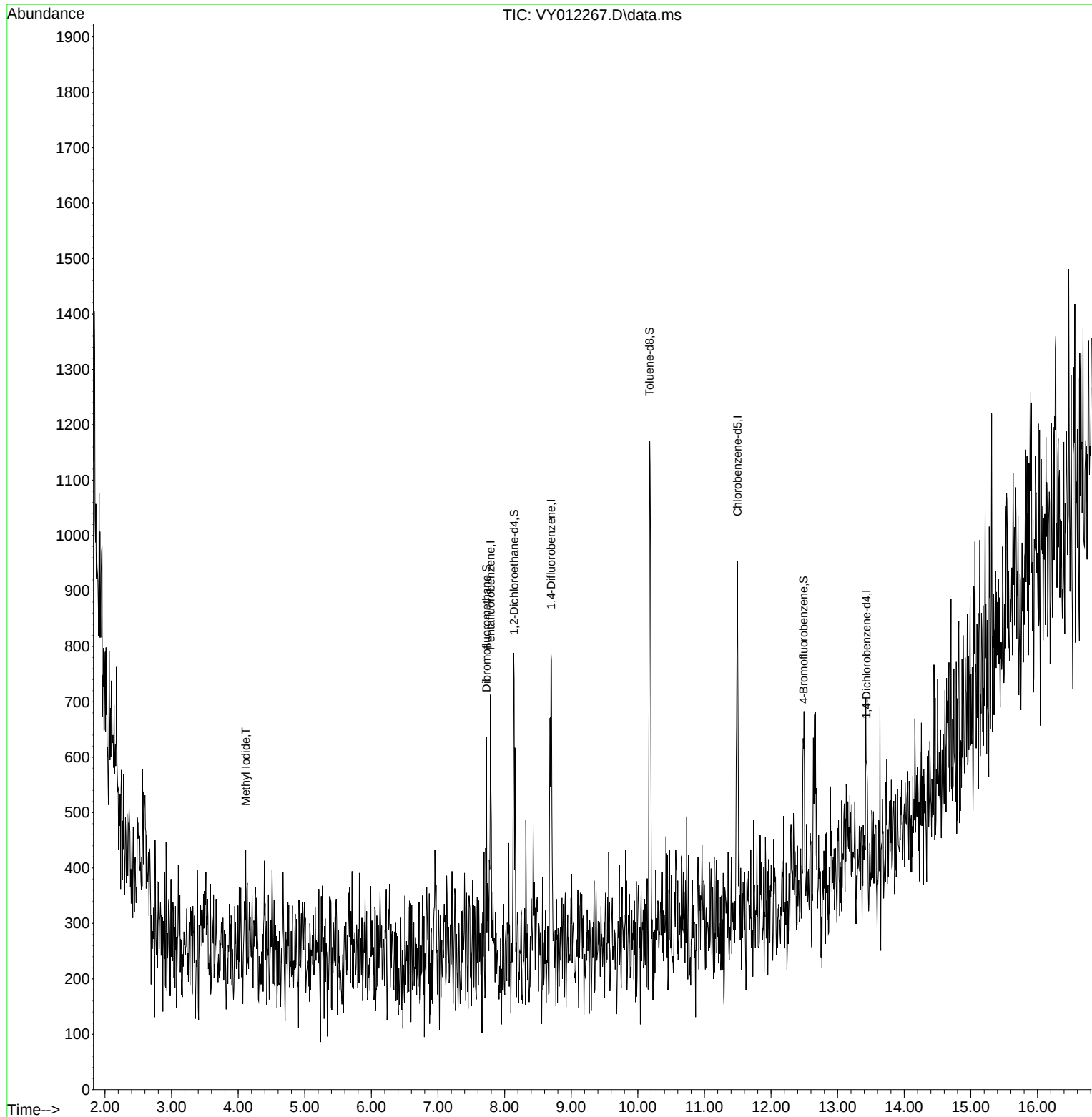
Internal Standards						
1) Pentafluorobenzene	7.789	168	495	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	109	50.000	ug/l	# 0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	365	92.285	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 184.560%#	
35) Dibromofluoromethane	7.728	113	107	21.846	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 43.700%#	
50) Toluene-d8	10.178	98	851	50.161	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.489	95	143	20.711	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 41.420%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.112	142	109	16.200	ug/l	# 38

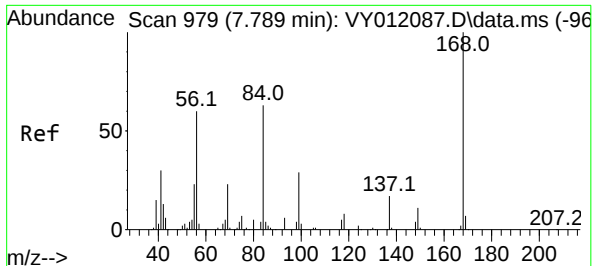
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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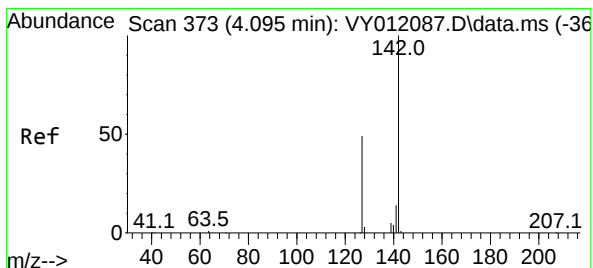
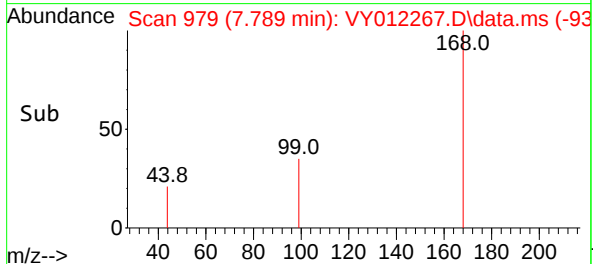
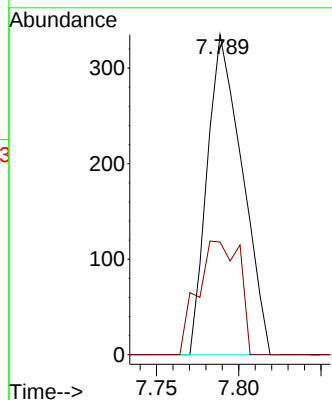
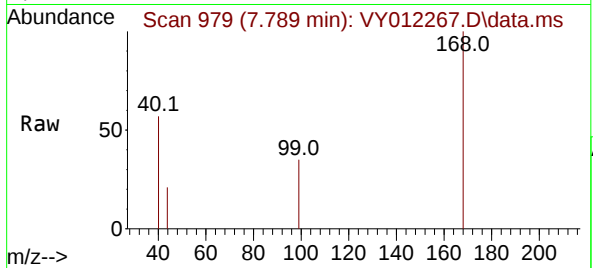




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012267.D
Acq: 19 Jan 2023 15:47

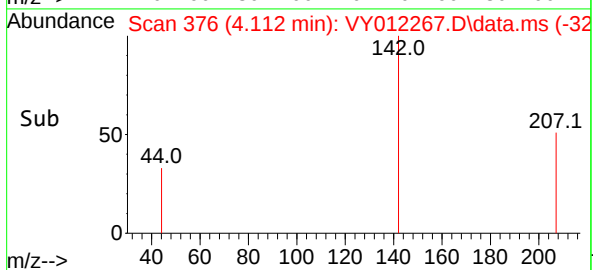
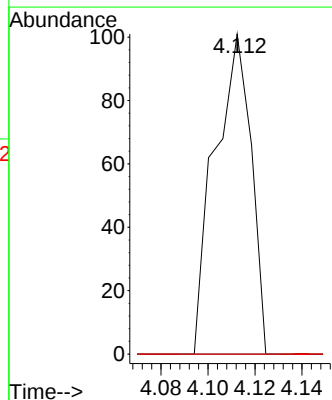
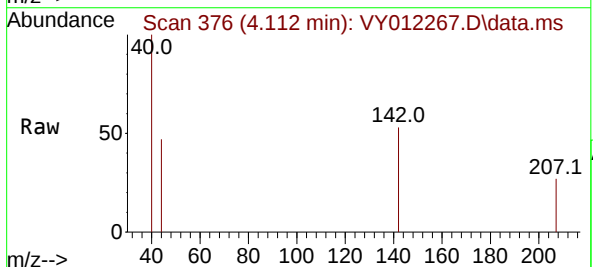
Instrument :
MSVOA_Y
ClientSampleId :
PE-1D

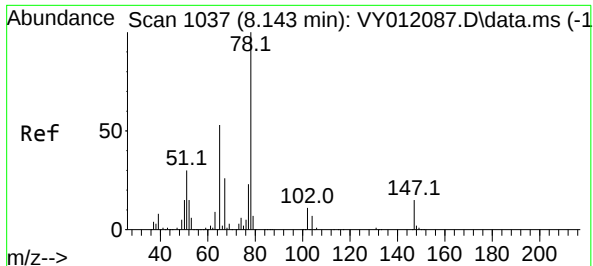
Tgt Ion:168 Resp: 495
Ion Ratio Lower Upper
168 100
99 35.2 44.0 66.0#



#10
Methyl Iodide
Concen: 16.200 ug/l
RT: 4.112 min Scan# 376
Delta R.T. 0.017 min
Lab File: VY012267.D
Acq: 19 Jan 2023 15:47

Tgt Ion:142 Resp: 109
Ion Ratio Lower Upper
142 100
127 0.0 37.0 55.4#
141 0.0 11.4 17.0#





#33

1,2-Dichloroethane-d4

Concen: 92.285 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.001 min

Lab File: VY012267.D

Acq: 19 Jan 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

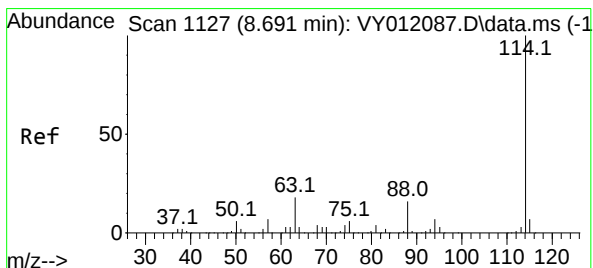
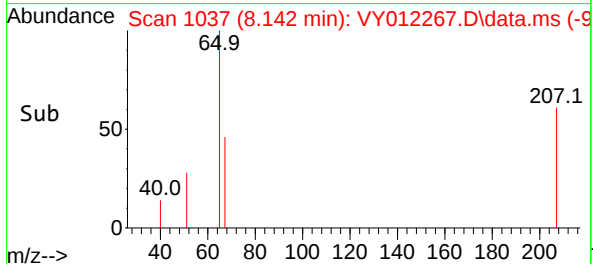
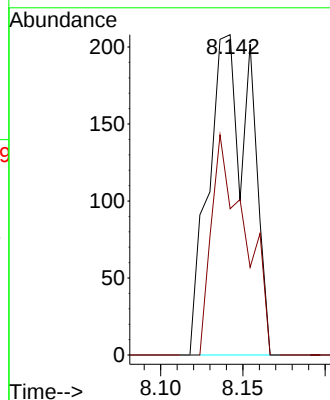
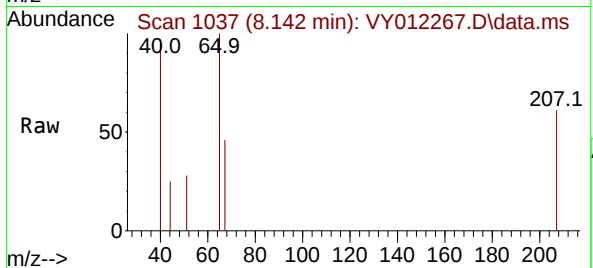
PE-1D

Tgt Ion: 65 Resp: 365

Ion Ratio Lower Upper

65 100

67 55.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY012267.D

Acq: 19 Jan 2023 15:47

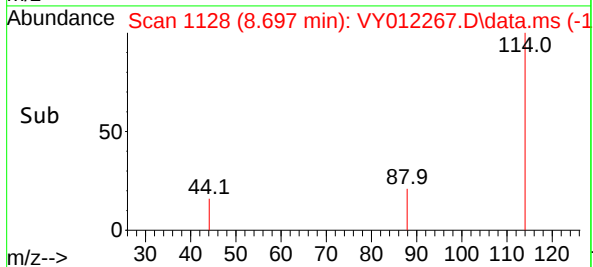
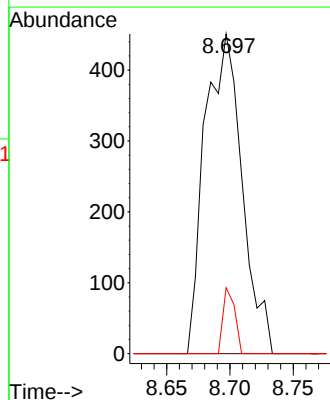
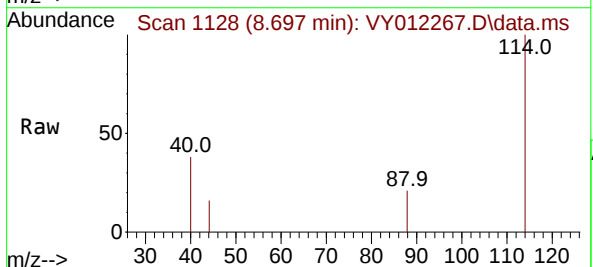
Tgt Ion: 114 Resp: 925

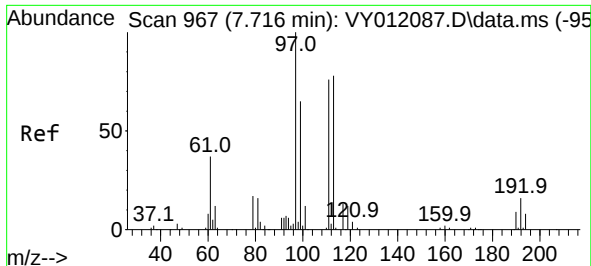
Ion Ratio Lower Upper

114 100

63 0.0 0.0 39.6

88 20.6 0.0 32.2

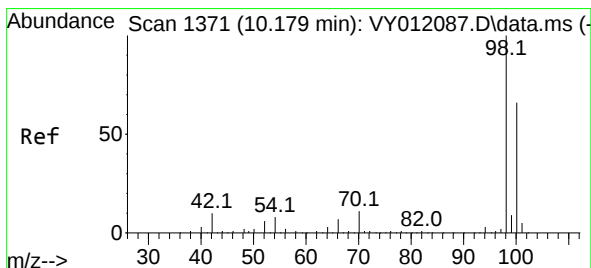
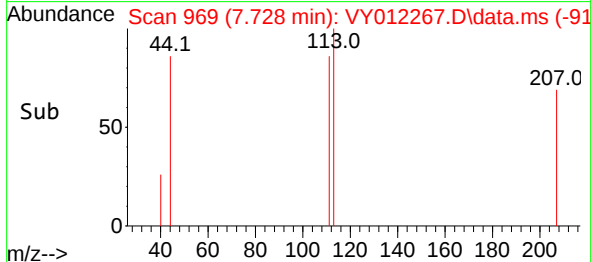
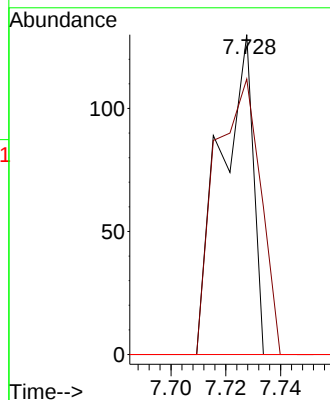
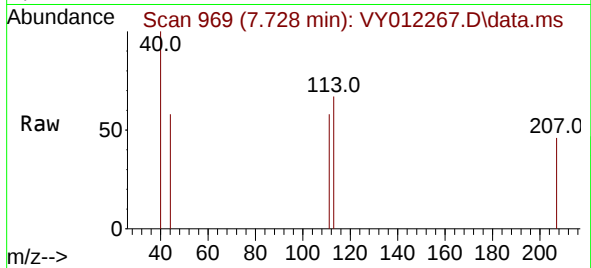




#35
Dibromofluoromethane
Concen: 21.846 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY012267.D
Acq: 19 Jan 2023 15:47

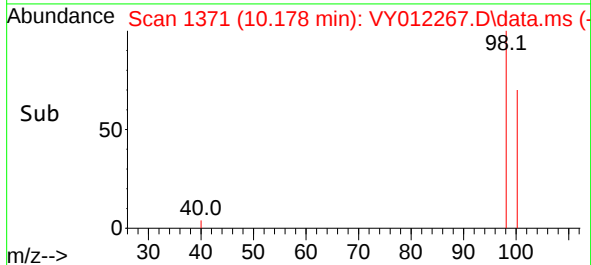
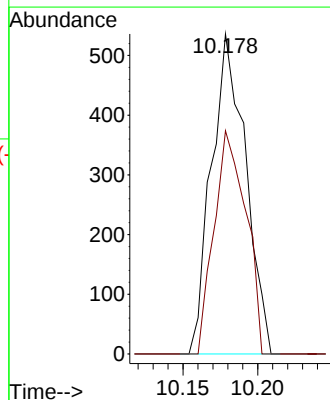
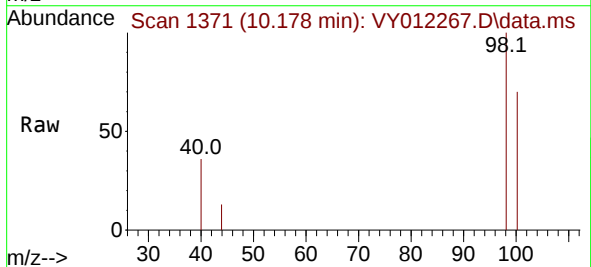
Instrument :
MSVOA_Y
ClientSampleId :
PE-1D

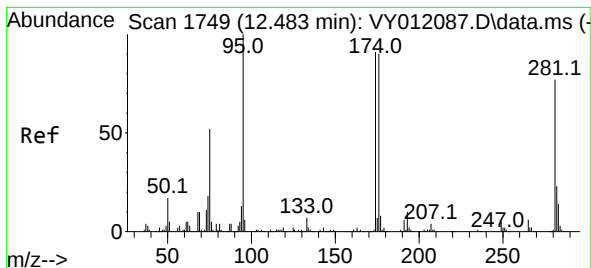
Tgt Ion:113 Resp: 107
Ion Ratio Lower Upper
113 100
111 119.6 83.0 124.4
192 0.0 16.0 24.0#



#50
Toluene-d8
Concen: 50.161 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012267.D
Acq: 19 Jan 2023 15:47

Tgt Ion: 98 Resp: 851
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

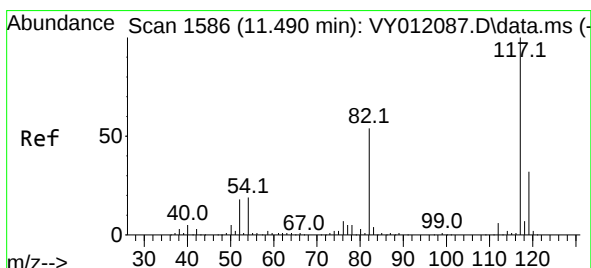
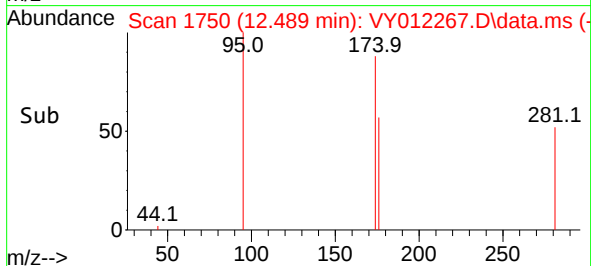
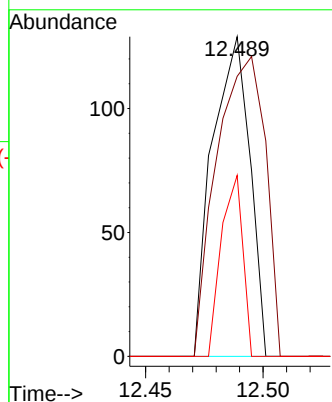
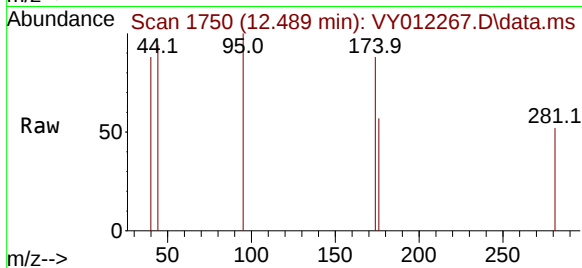




#62
4-Bromofluorobenzene
Concen: 20.711 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY012267.D
Acq: 19 Jan 2023 15:47

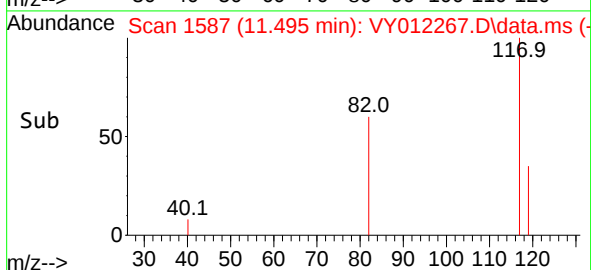
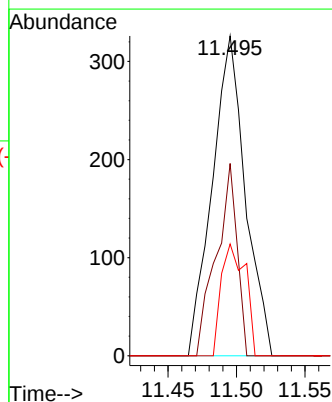
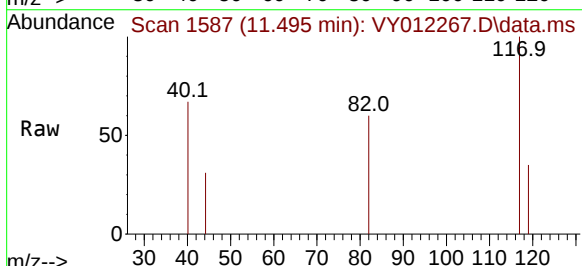
Instrument :
MSVOA_Y
ClientSampleId :
PE-1D

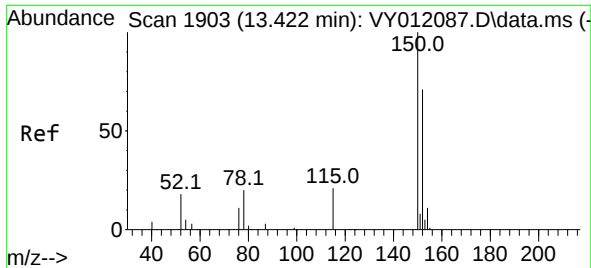
Tgt Ion: 95 Resp: 143
Ion Ratio Lower Upper
95 100
174 122.4 0.0 172.0
176 32.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.005 min
Lab File: VY012267.D
Acq: 19 Jan 2023 15:47

Tgt Ion: 117 Resp: 547
Ion Ratio Lower Upper
117 100
82 60.1 44.8 67.2
119 35.0 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY012267.D

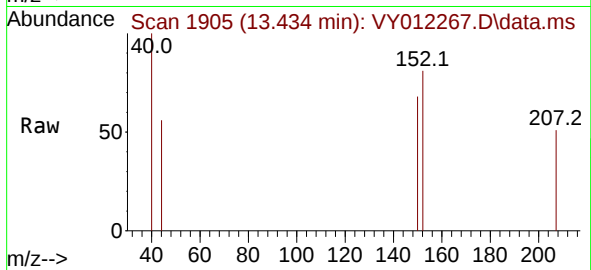
Acq: 19 Jan 2023 15:47

Instrument :

MSVOA_Y

ClientSampleId :

PE-1D



Tgt Ion:152 Resp: 109

Ion Ratio Lower Upper

152 100

115 28.4 29.1 87.3#

150 211.9 0.0 342.6

