

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120123\
 Data File : VY016558.D
 Acq On : 01 Dec 2023 13:46
 Operator : SY/MD
 Sample : 05586-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VAULT-1

Quant Time: Dec 01 23:37:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 30 03:28:04 2023
 Response via : Initial Calibration

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

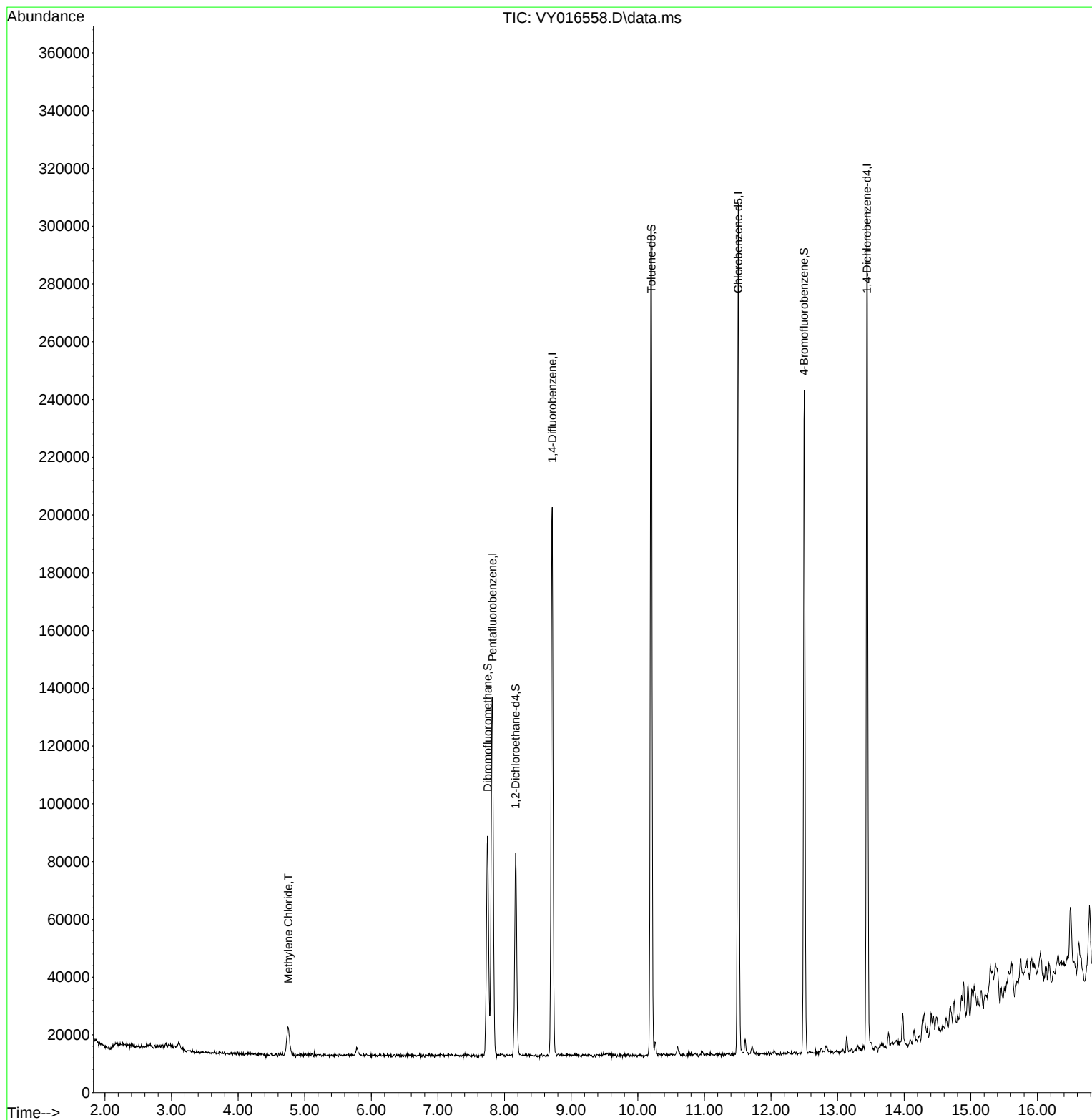
Internal Standards						
1) Pentafluorobenzene	7.820	168	104773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.716	114	178326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	173807	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	80168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	56281	67.993	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.980%	
35) Dibromofluoromethane	7.746	113	54396	51.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.940%	
50) Toluene-d8	10.203	98	207880	51.210	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.420%	
62) 4-Bromofluorobenzene	12.496	95	71947	56.499	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.000%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.753	84	8737	6.698	ug/l	# 73

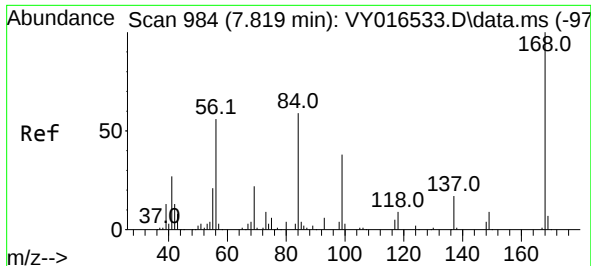
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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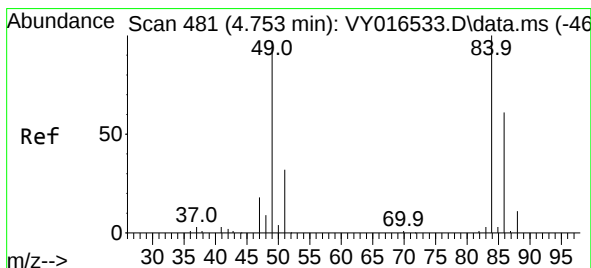
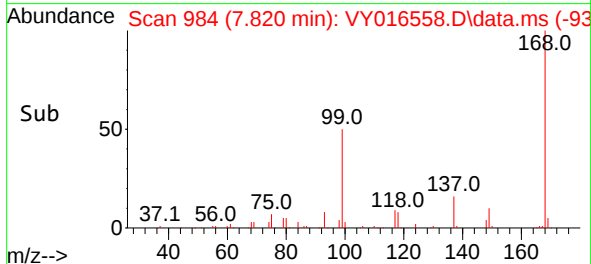
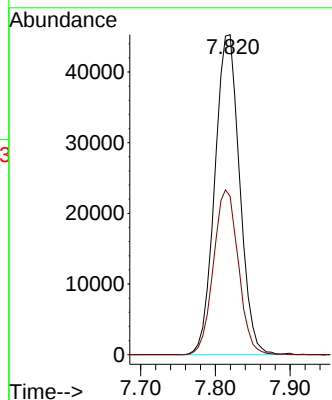
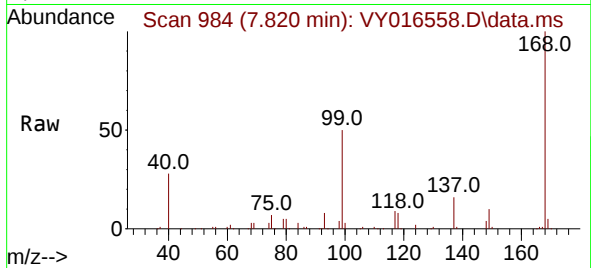




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.820 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY016558.D
Acq: 01 Dec 2023 13:46

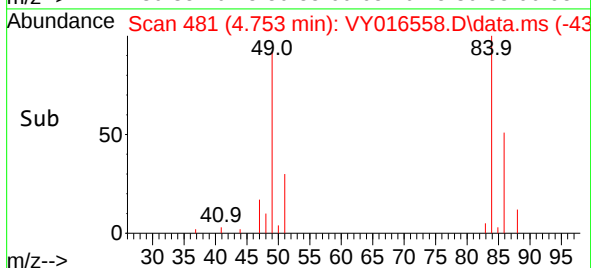
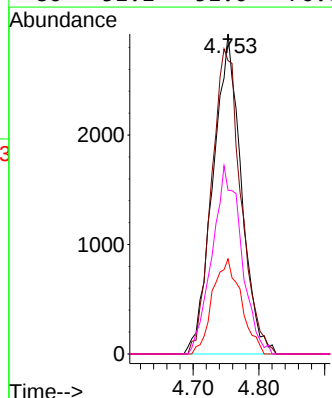
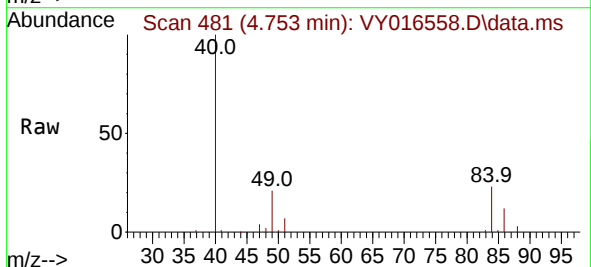
Instrument :
MSVOA_Y
ClientSampleId :
VAULT-1

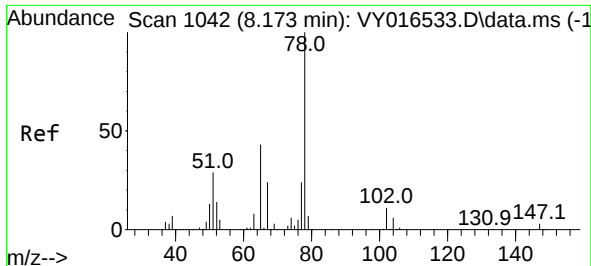
Tgt Ion:168 Resp: 104773
Ion Ratio Lower Upper
168 100
99 49.5 43.4 65.0



#20
Methylene Chloride
Concen: 6.698 ug/l
RT: 4.753 min Scan# 481
Delta R.T. 0.000 min
Lab File: VY016558.D
Acq: 01 Dec 2023 13:46

Tgt Ion: 84 Resp: 8737
Ion Ratio Lower Upper
84 100
49 91.7 106.9 160.3#
51 29.7 33.2 49.8#
86 51.1 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 67.993 ug/l

RT: 8.167 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VY016558.D

Acq: 01 Dec 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

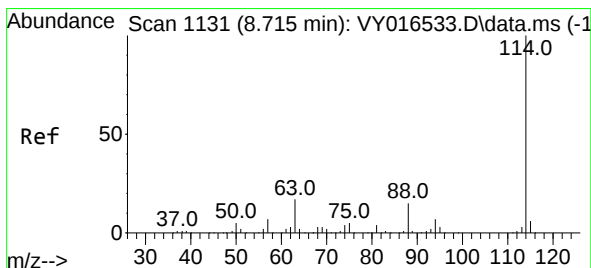
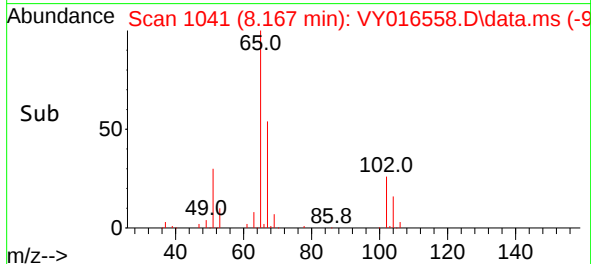
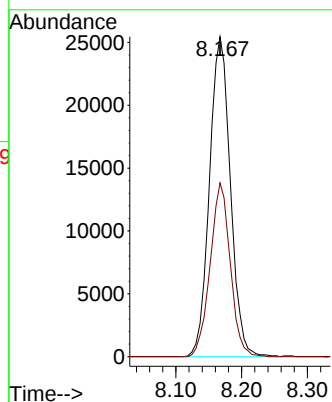
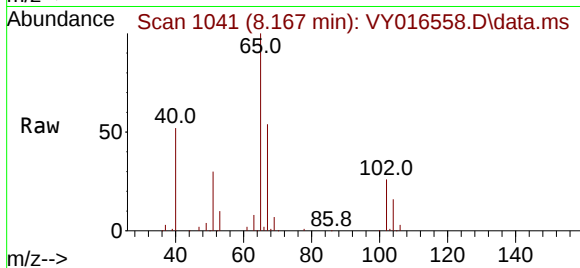
VAULT-1

Tgt Ion: 65 Resp: 56281

Ion Ratio Lower Upper

65 100

67 52.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY016558.D

Acq: 01 Dec 2023 13:46

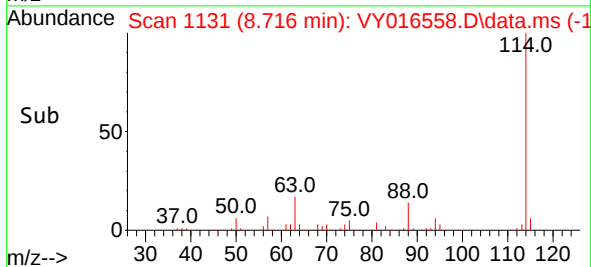
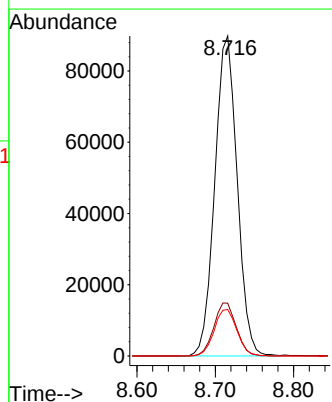
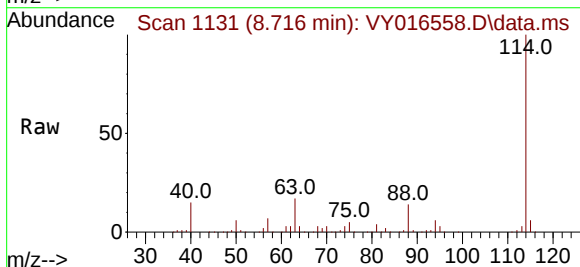
Tgt Ion: 114 Resp: 178326

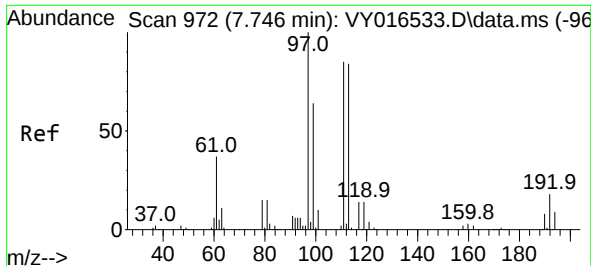
Ion Ratio Lower Upper

114 100

63 16.5 0.0 42.4

88 14.5 0.0 30.6

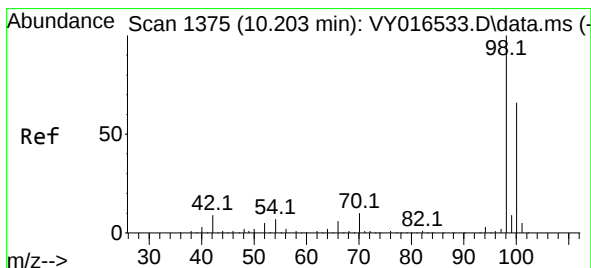
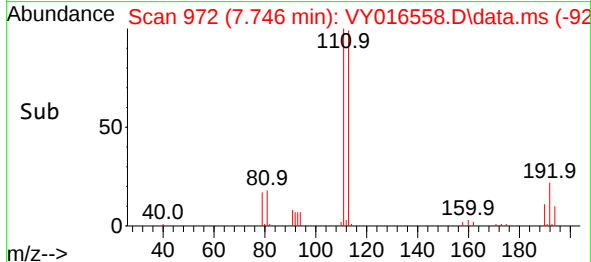
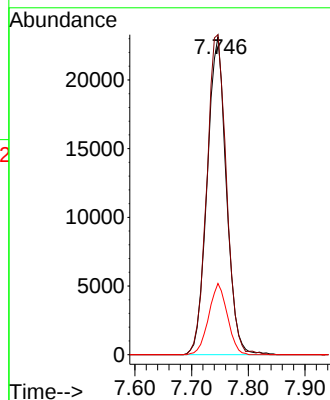
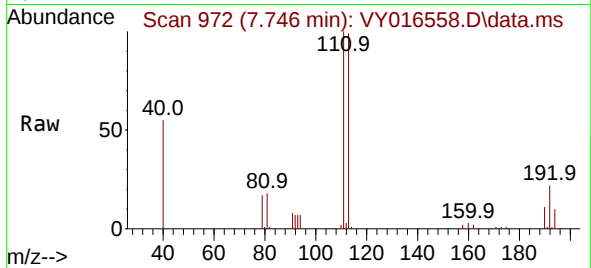




#35
 Dibromofluoromethane
 Concen: 51.973 ug/l
 RT: 7.746 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY016558.D
 Acq: 01 Dec 2023 13:46

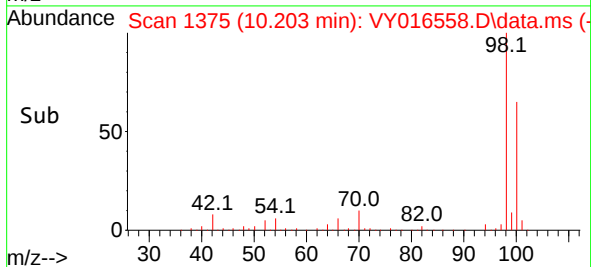
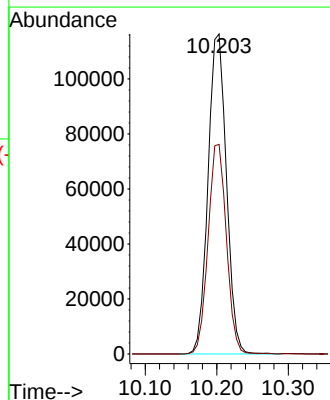
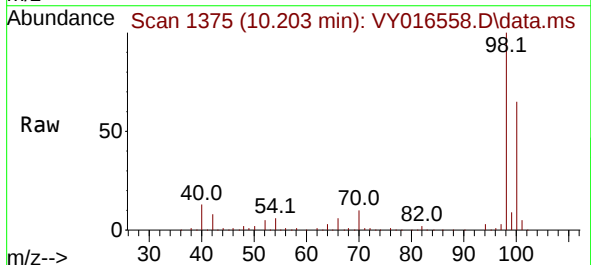
Instrument :
 MSVOA_Y
 ClientSampleId :
 VAULT-1

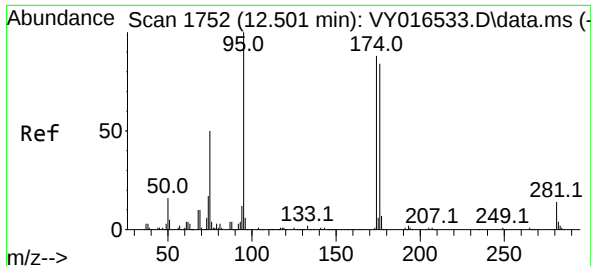
Tgt Ion:	113	Resp:	54396
Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.3	121.9
192	21.7	16.9	25.3



#50
 Toluene-d8
 Concen: 51.210 ug/l
 RT: 10.203 min Scan# 1375
 Delta R.T. 0.000 min
 Lab File: VY016558.D
 Acq: 01 Dec 2023 13:46

Tgt Ion:	98	Resp:	207880
Ion	Ratio	Lower	Upper
98	100		
100	65.2	50.1	75.1

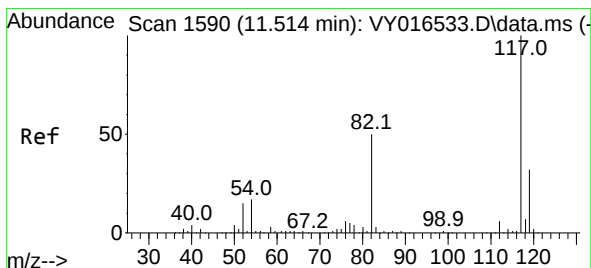
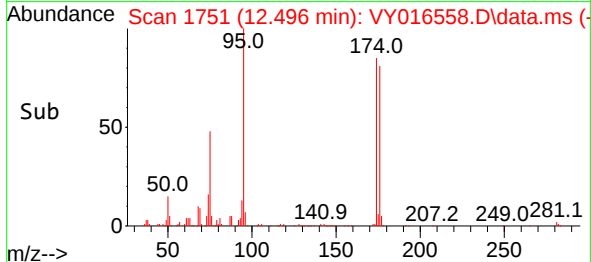
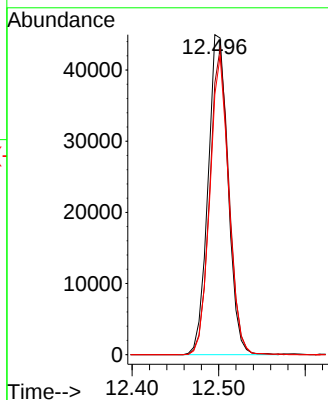
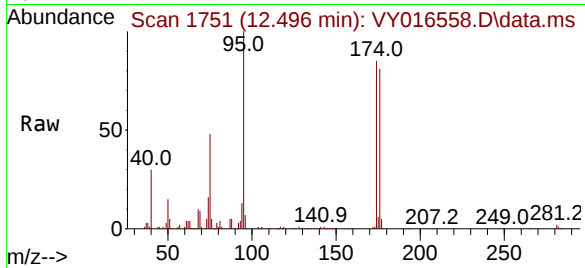




#62
4-Bromofluorobenzene
Concen: 56.499 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. -0.006 min
Lab File: VY016558.D
Acq: 01 Dec 2023 13:46

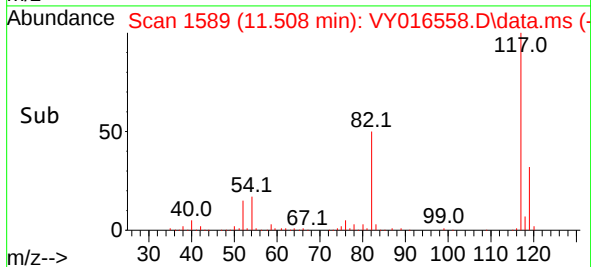
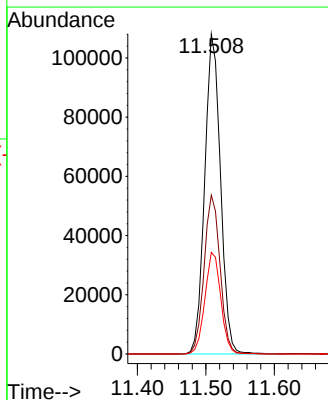
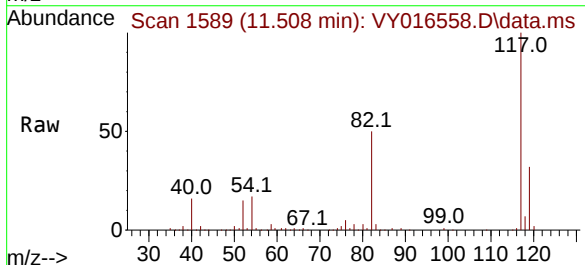
Instrument :
MSVOA_Y
ClientSampleId :
VAULT-1

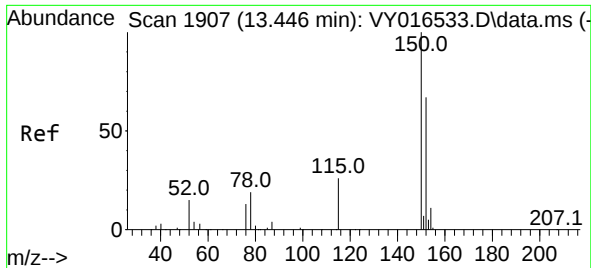
Tgt Ion: 95 Resp: 71947
Ion Ratio Lower Upper
95 100
174 92.5 0.0 178.2
176 88.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. -0.006 min
Lab File: VY016558.D
Acq: 01 Dec 2023 13:46

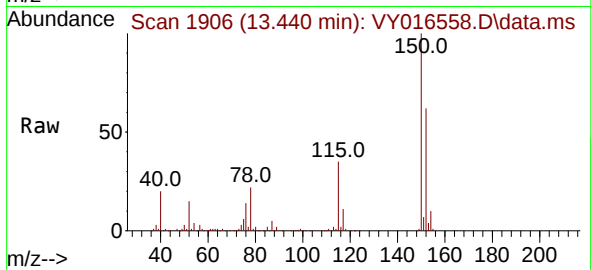
Tgt Ion: 117 Resp: 173807
Ion Ratio Lower Upper
117 100
82 49.7 43.4 65.0
119 31.8 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.440 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY016558.D
 Acq: 01 Dec 2023 13:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 VAULT-1



Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.8	86.5
150	157.7	0.0	348.8

