

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122322\
 Data File : VY012007.D
 Acq On : 23 Dec 2022 18:55
 Operator : KP/MD
 Sample : N6135-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11977

Quant Time: Dec 23 22:27:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	2477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	4305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	960	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	1822	73.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	146.020%
35) Dibromofluoromethane	7.722	113	815	31.549	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	63.100%
50) Toluene-d8	10.179	98	5008	47.781	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.483	95	1232	34.950	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	69.900%

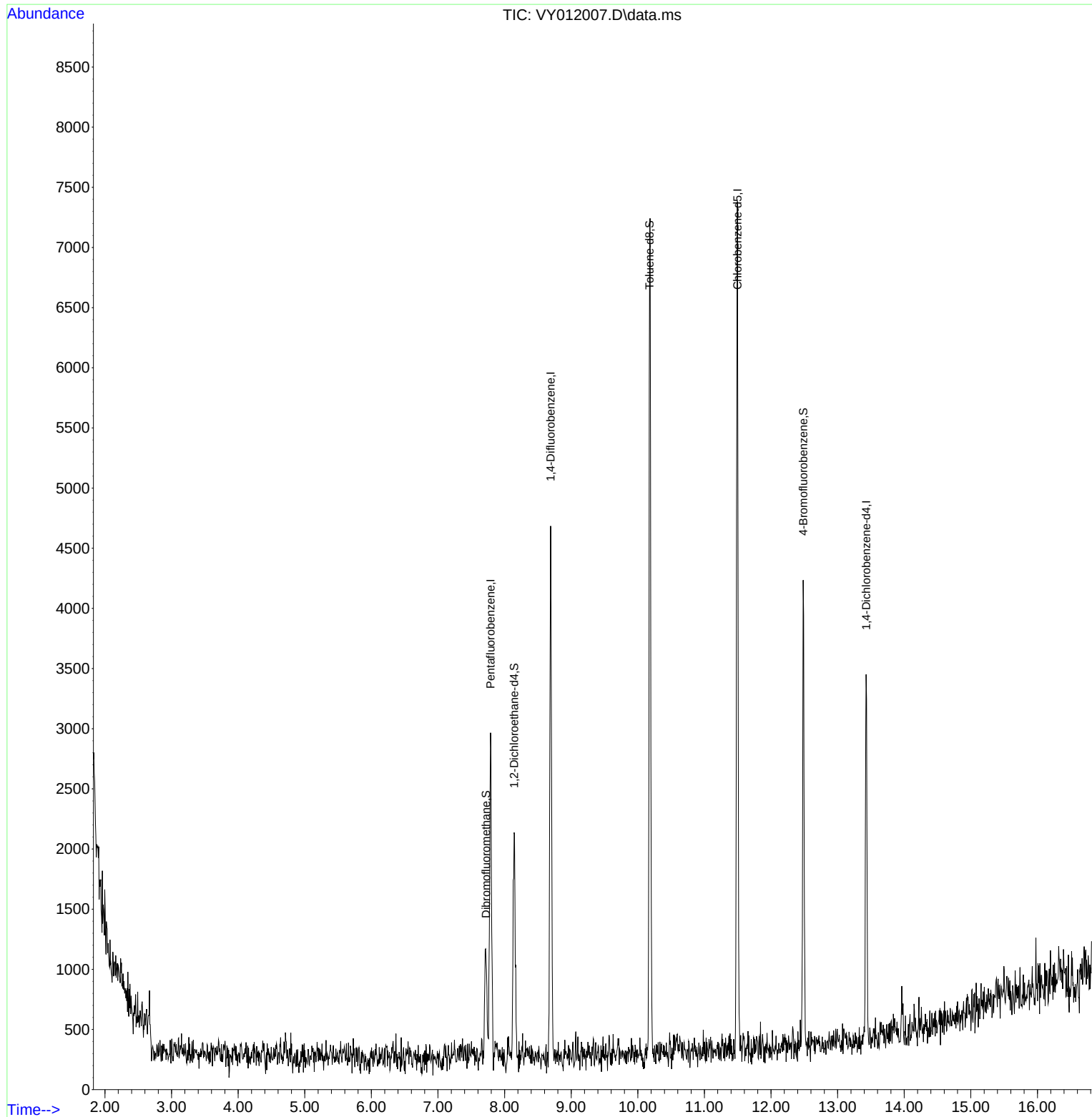
Target Compounds	Qvalue

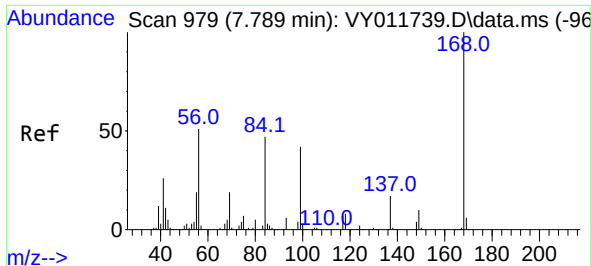
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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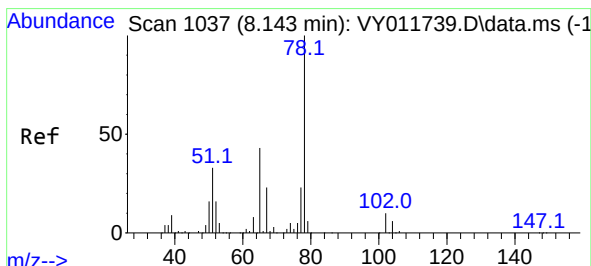
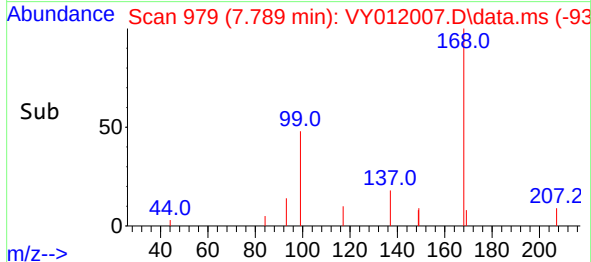
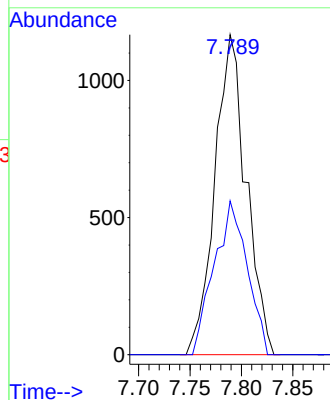
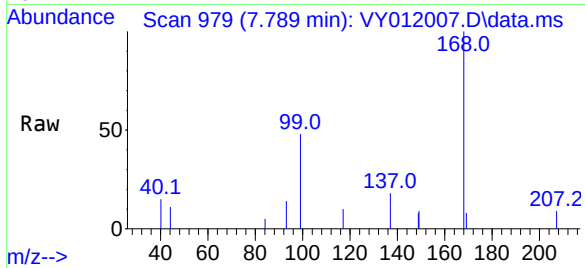




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012007.D
Acq: 23 Dec 2022 18:55

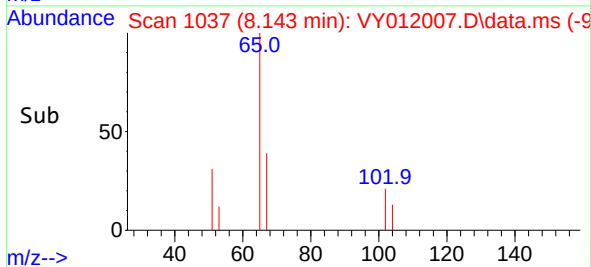
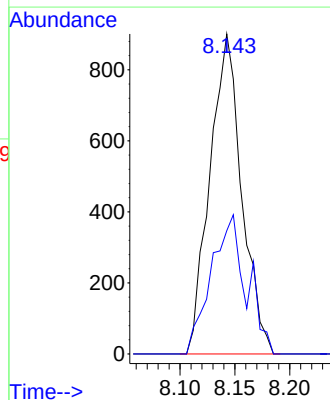
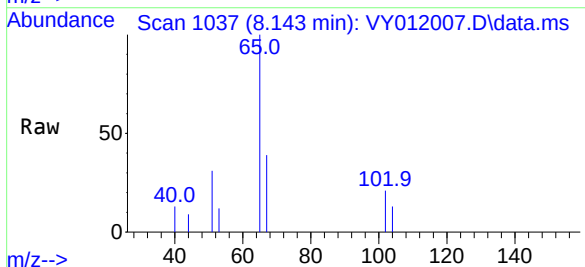
Instrument :
MSVOA_Y
ClientSampleId :
72-11977

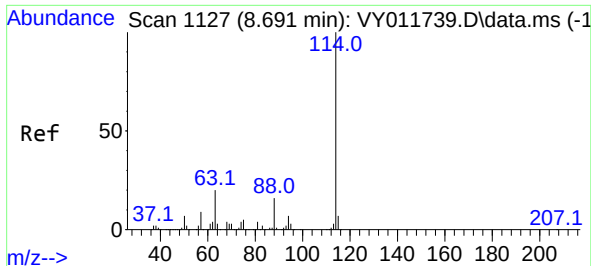
Tgt Ion:168 Resp: 2477
Ion Ratio Lower Upper
168 100
99 48.1 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 73.011 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012007.D
Acq: 23 Dec 2022 18:55

Tgt Ion: 65 Resp: 1822
Ion Ratio Lower Upper
65 100
67 48.3 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012007.D

Acq: 23 Dec 2022 18:55

Instrument :

MSVOA_Y

ClientSampleId :

72-11977

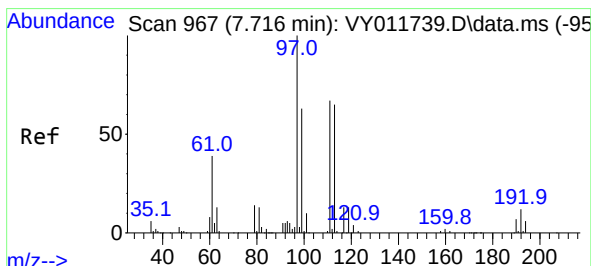
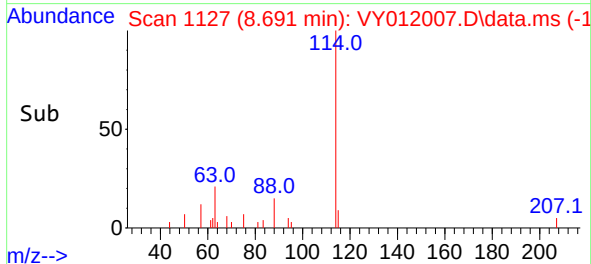
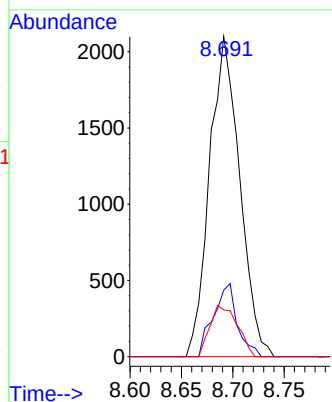
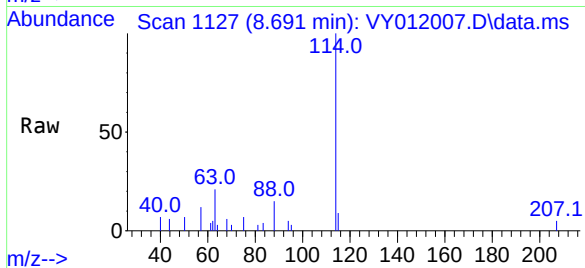
Tgt Ion:114 Resp: 4291

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 14.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 31.549 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012007.D

Acq: 23 Dec 2022 18:55

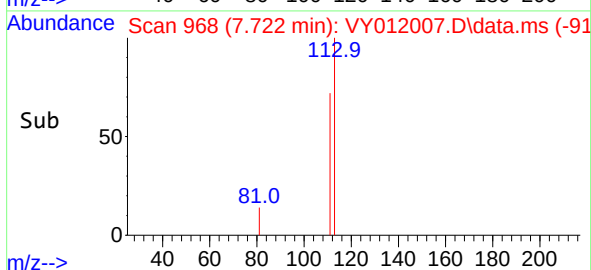
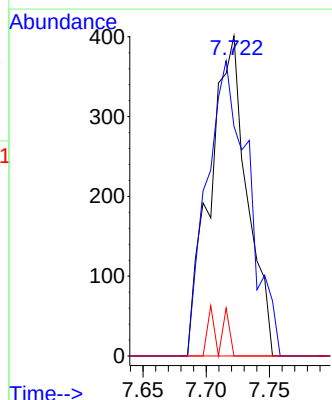
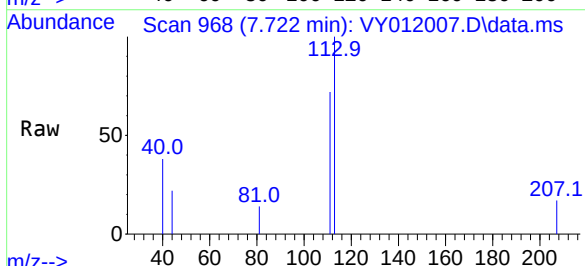
Tgt Ion:113 Resp: 815

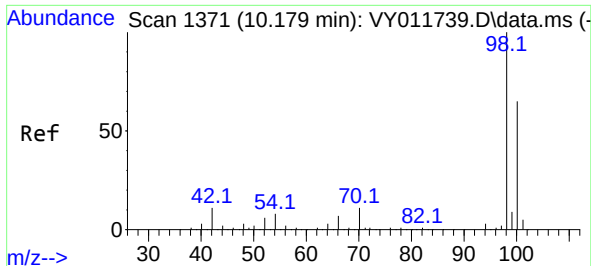
Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.4

192 5.5 16.0 24.0#

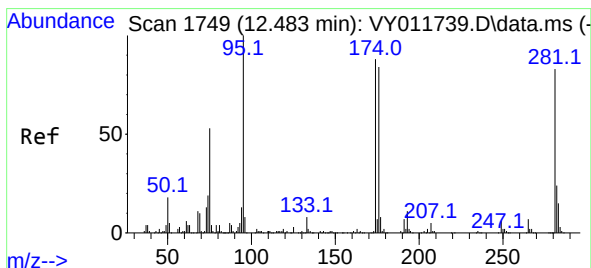
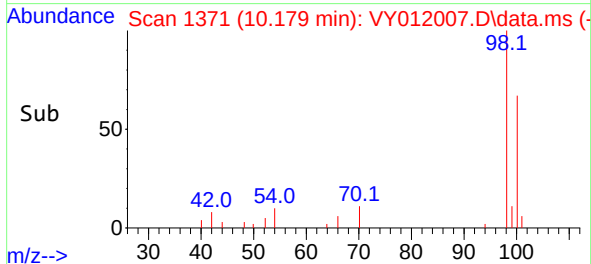
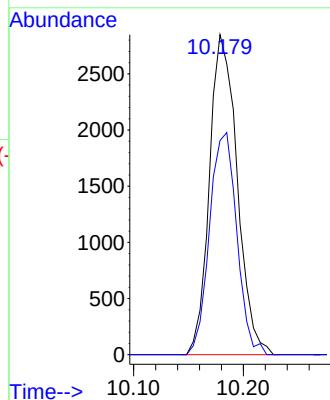
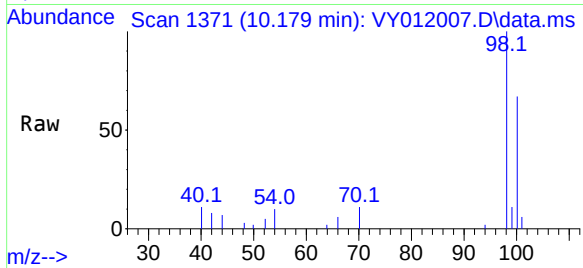




#50
Toluene-d8
Concen: 47.781 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012007.D
Acq: 23 Dec 2022 18:55

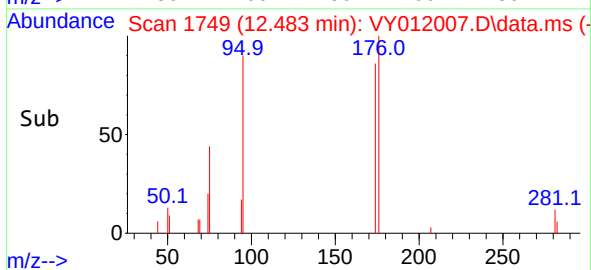
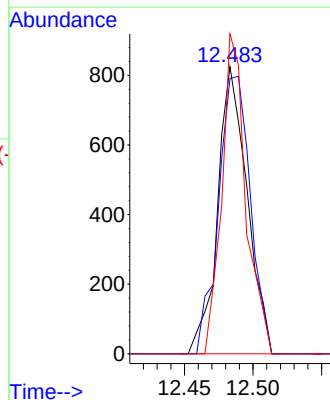
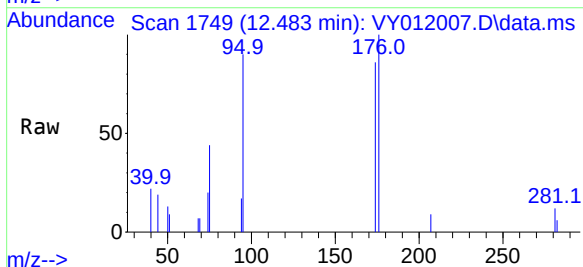
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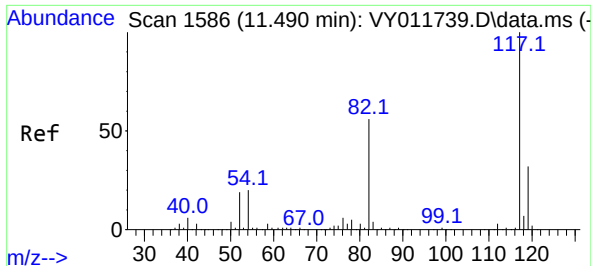
Tgt Ion: 98 Resp: 5008
Ion Ratio Lower Upper
98 100
100 68.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 34.950 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012007.D
Acq: 23 Dec 2022 18:55

Tgt Ion: 95 Resp: 1232
Ion Ratio Lower Upper
95 100
174 104.5 0.0 172.0
176 91.1 0.0 167.6

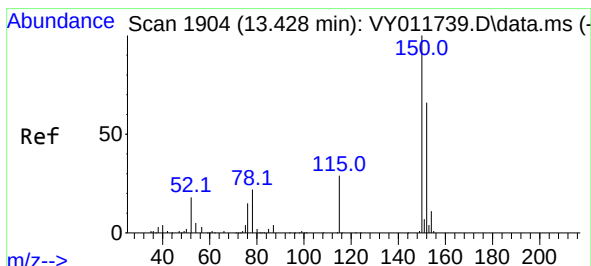
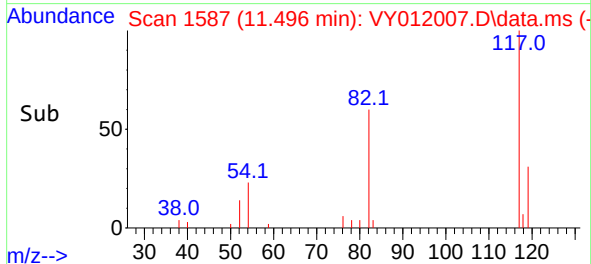
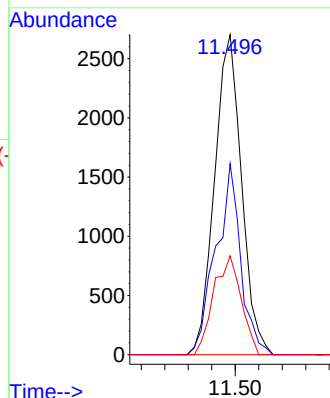
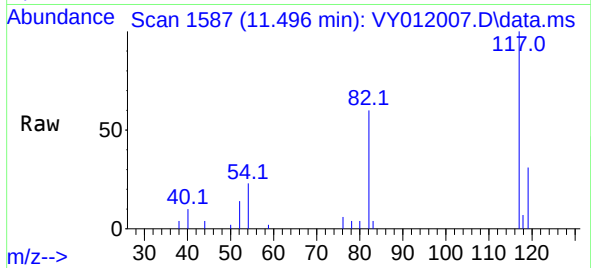




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY012007.D
Acq: 23 Dec 2022 18:55

Instrument :
MSVOA_Y
ClientSampleId :
72-11977

Tgt Ion:117	Resp:	4305
Ion	Ratio	Lower Upper
117	100	
82	59.6	44.8 67.2
119	30.9	25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012007.D
Acq: 23 Dec 2022 18:55

Tgt Ion:152	Resp:	960
Ion	Ratio	Lower Upper
152	100	
115	61.6	29.1 87.3
150	176.3	0.0 342.6

