

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015314.D
 Acq On : 24 Aug 2023 16:08
 Operator : SY/MD
 Sample : 04146-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-12013

Quant Time: Aug 25 03:20:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	36376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	57766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	49570	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20658	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	20505	46.959	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.920%
35) Dibromofluoromethane	7.716	113	18409	49.536	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.080%
50) Toluene-d8	10.179	98	67704	48.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.483	95	20032	39.645	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.280%

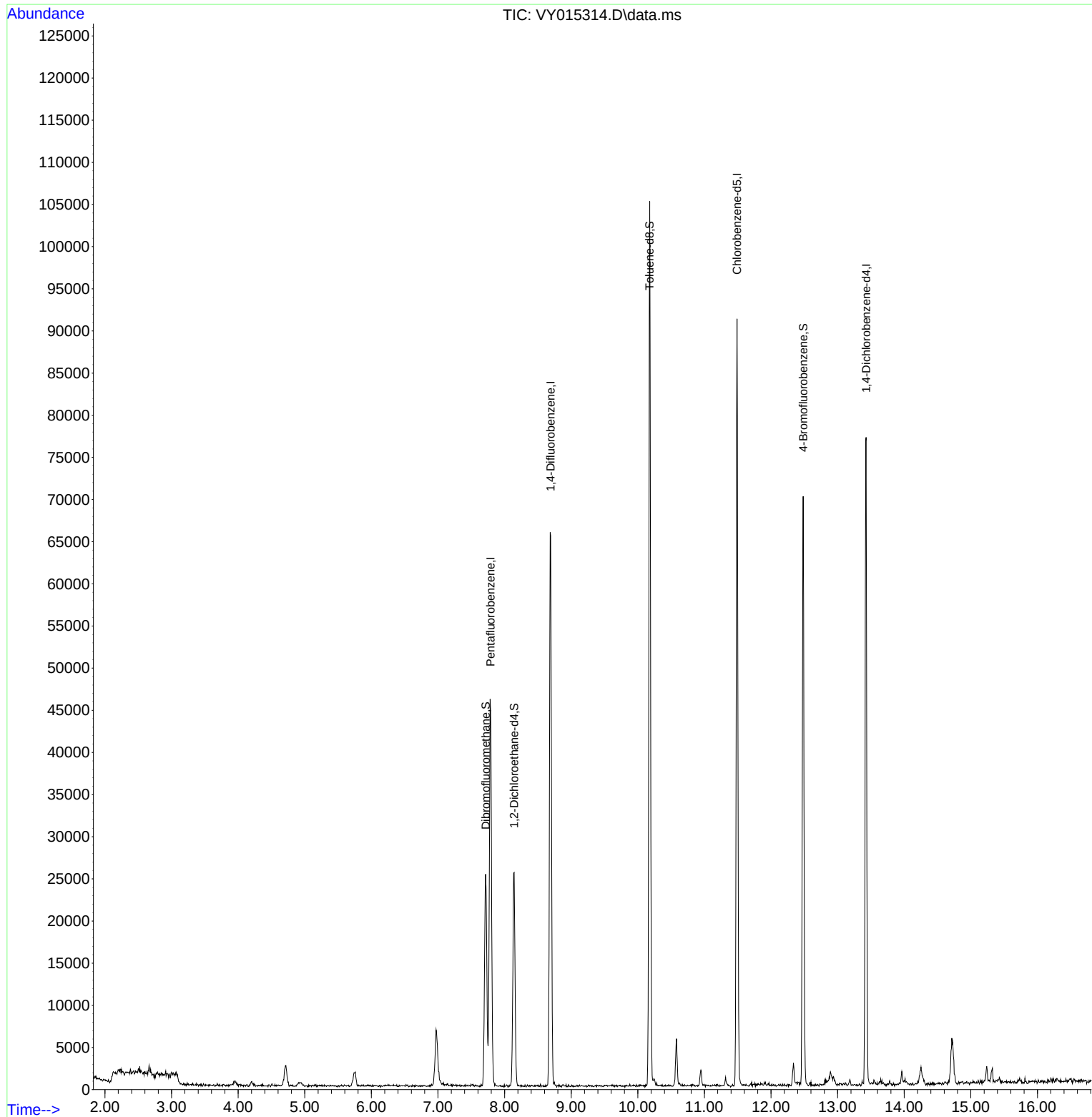
Target Compounds	Qvalue

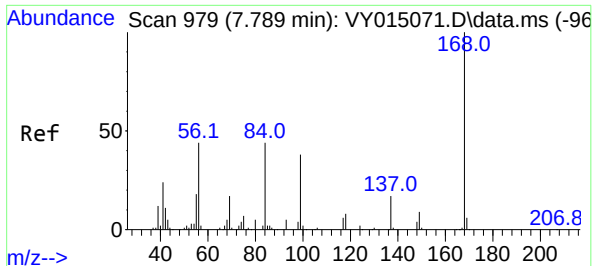
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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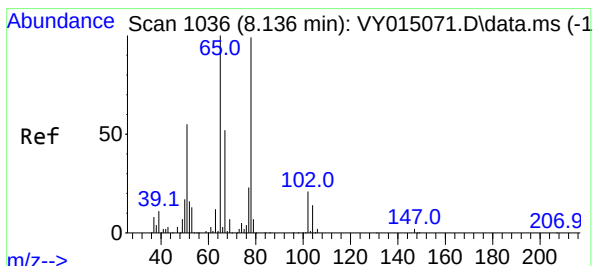
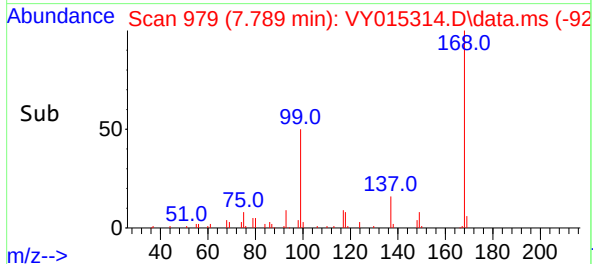
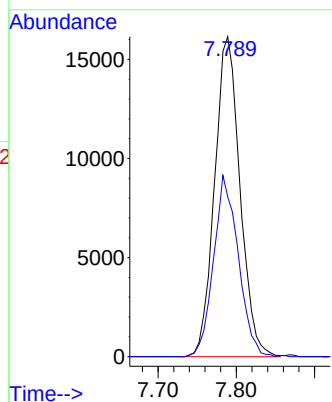
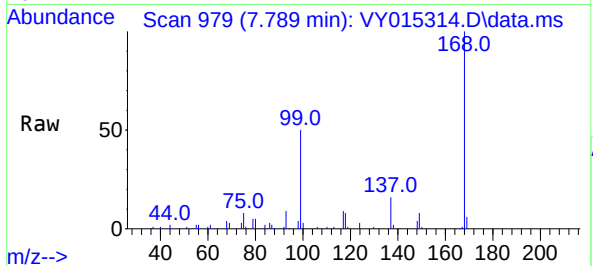




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

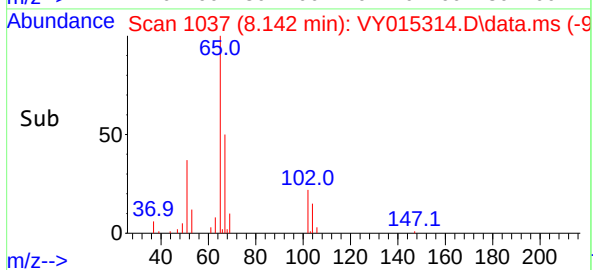
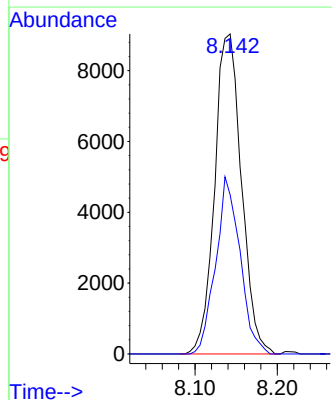
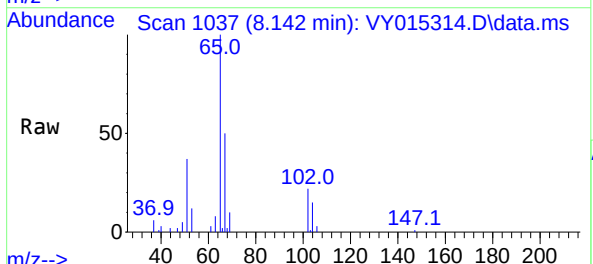
Instrument :
MSVOA_Y
ClientSampleId :
72-12013

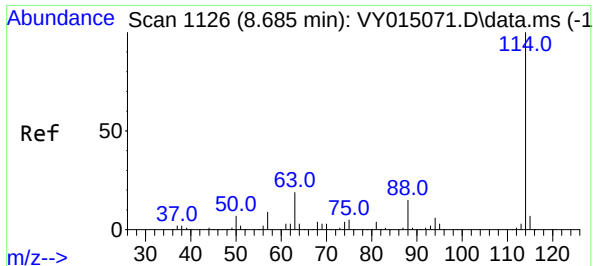
Tgt Ion:168 Resp: 36376
Ion Ratio Lower Upper
168 100
99 50.0 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 46.959 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

Tgt Ion: 65 Resp: 20505
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015314.D

Acq: 24 Aug 2023 16:08

Instrument :

MSVOA_Y

ClientSampleId :

72-12013

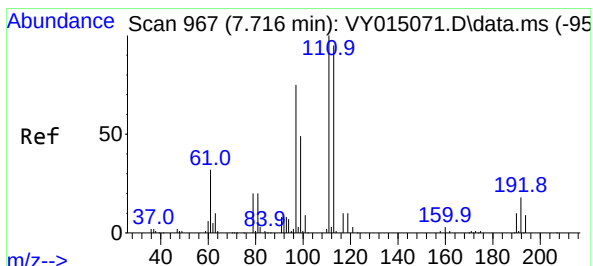
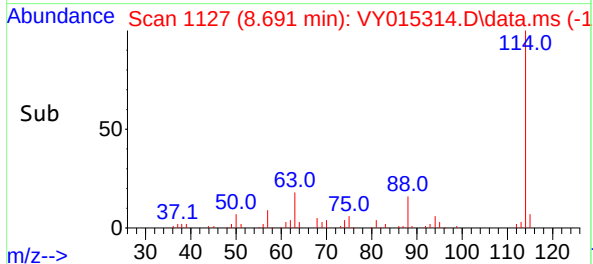
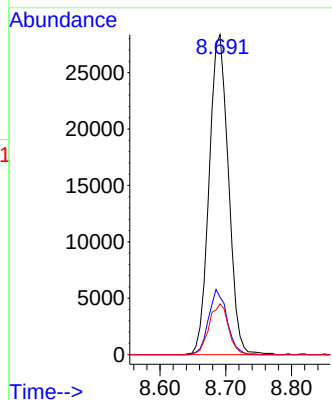
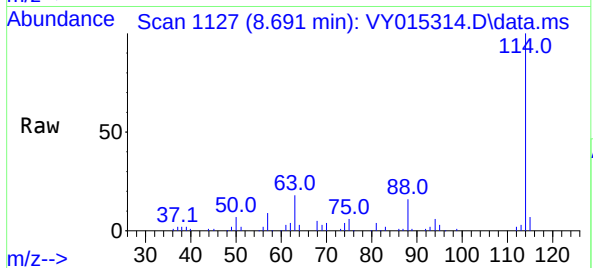
Tgt Ion:114 Resp: 57766

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 15.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.536 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015314.D

Acq: 24 Aug 2023 16:08

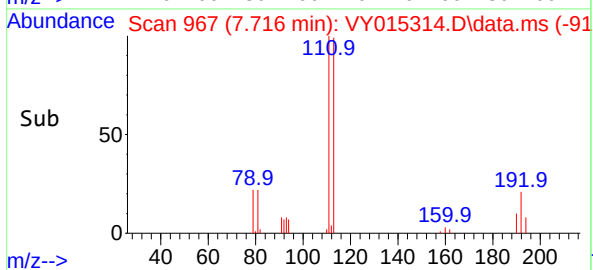
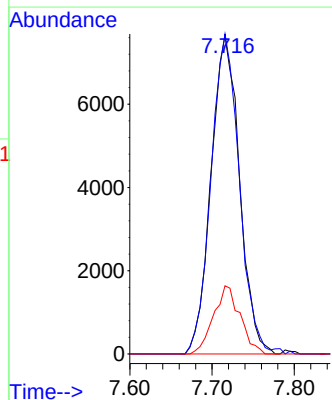
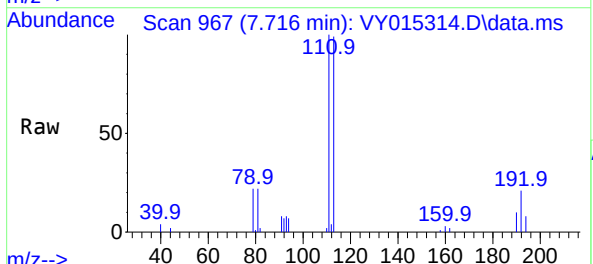
Tgt Ion:113 Resp: 18409

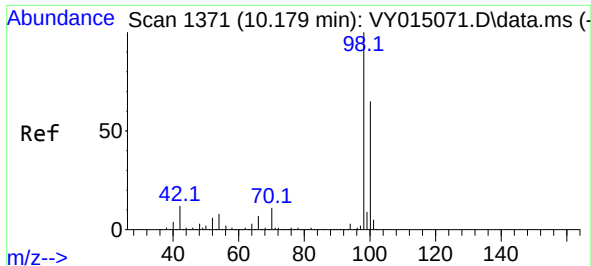
Ion Ratio Lower Upper

113 100

111 100.0 81.3 121.9

192 19.9 16.9 25.3

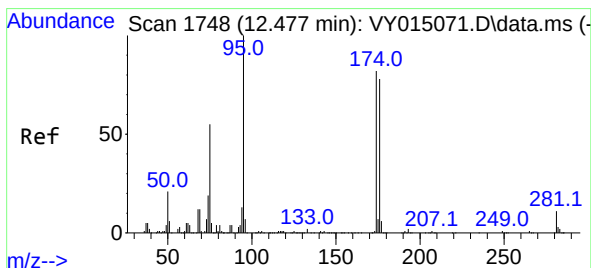
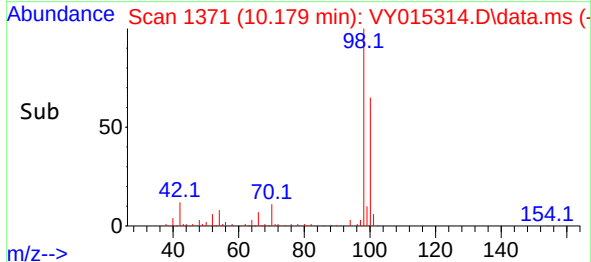
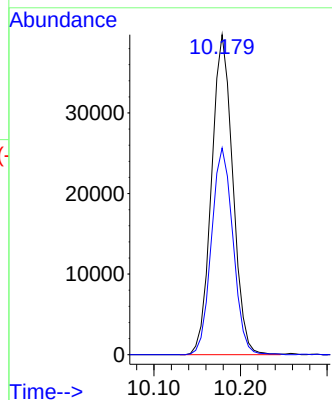
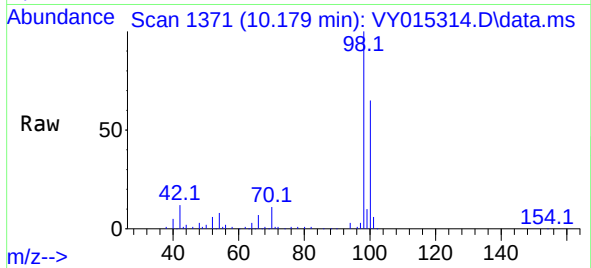




#50
Toluene-d8
Concen: 48.940 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

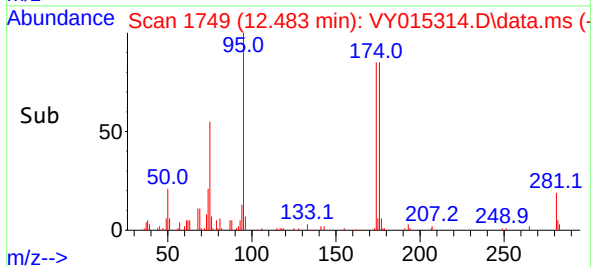
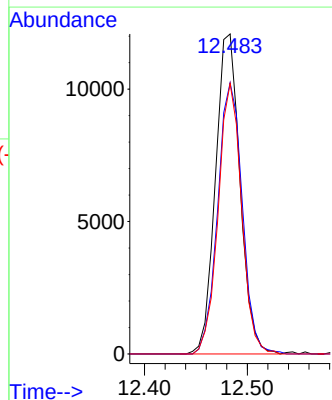
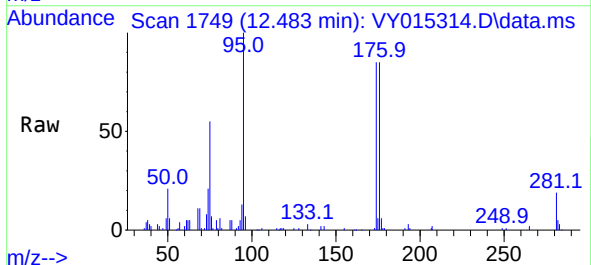
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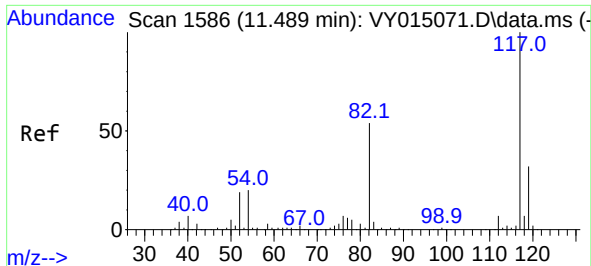
Tgt Ion: 98 Resp: 67704
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 39.645 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

Tgt Ion: 95 Resp: 20032
Ion Ratio Lower Upper
95 100
174 84.9 0.0 178.2
176 80.3 0.0 173.8

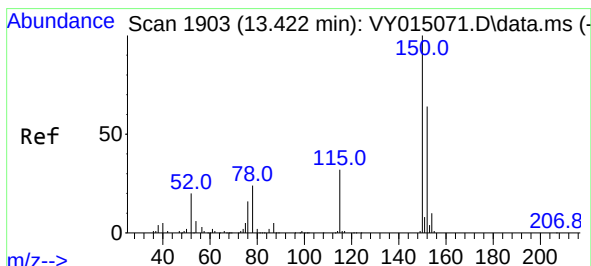
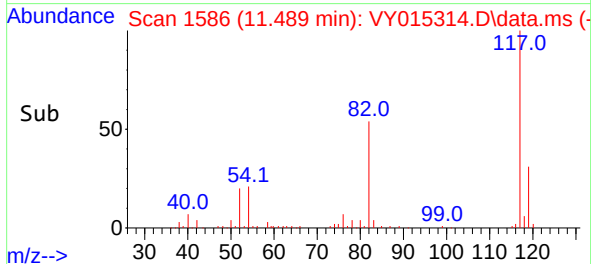
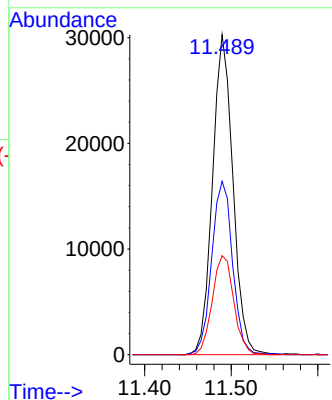
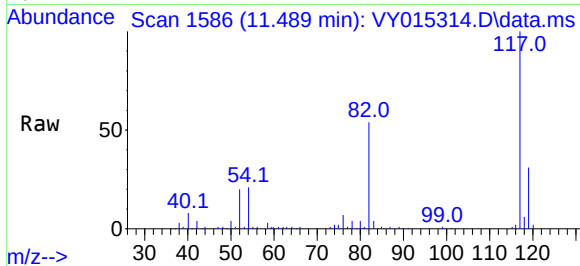




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

Instrument :
MSVOA_Y
ClientSampleId :
72-12013

Tgt Ion:117 Resp: 49570
Ion Ratio Lower Upper
117 100
82 54.1 43.4 65.0
119 30.9 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015314.D
Acq: 24 Aug 2023 16:08

Tgt Ion:152 Resp: 20658
Ion Ratio Lower Upper
152 100
115 55.9 28.8 86.5
150 158.2 0.0 348.8

