

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122623\
 Data File : VY016859.D
 Acq On : 26 Dec 2023 17:39
 Operator : SY/MD
 Sample : 05994-12
 Misc : 6.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-D-GRAB

Quant Time: Dec 27 01:37:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122023S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 21 01:49:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	2778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	4871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	3895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	668	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	1512	59.621	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.240%
35) Dibromofluoromethane	7.734	113	1412	50.605	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.220%
50) Toluene-d8	10.191	98	4410	43.844	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.680%
62) 4-Bromofluorobenzene	12.496	95	807	24.730	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	49.460%

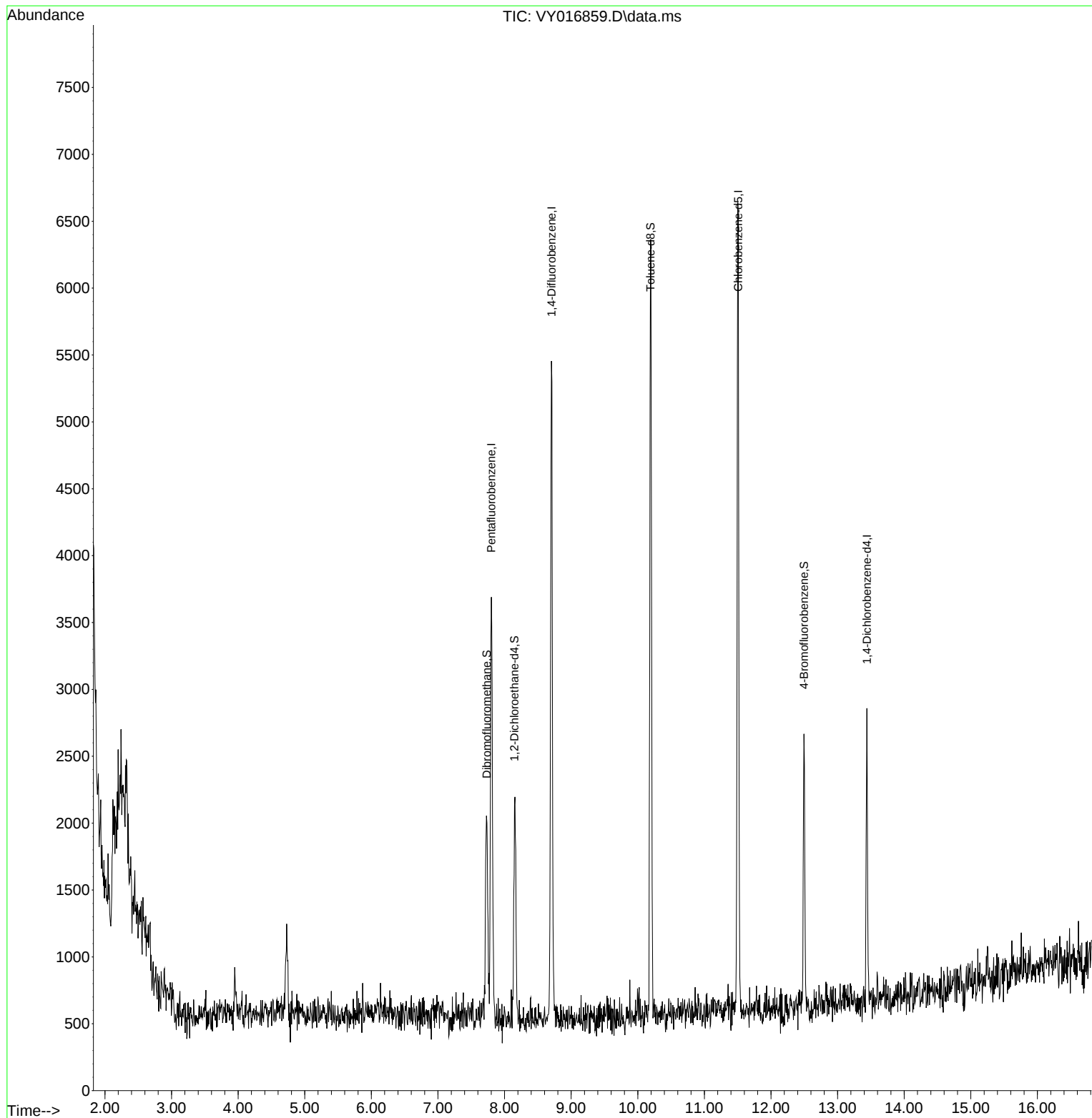
Target Compounds	Qvalue

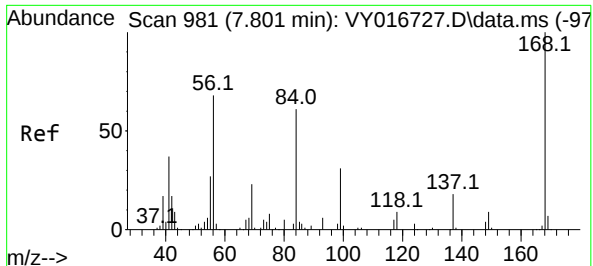
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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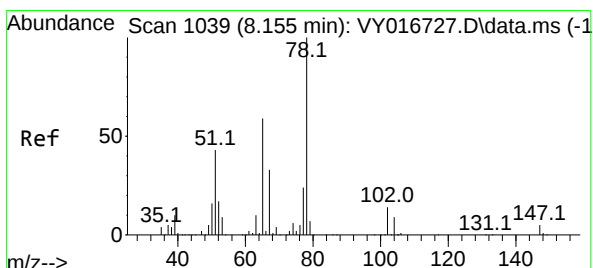
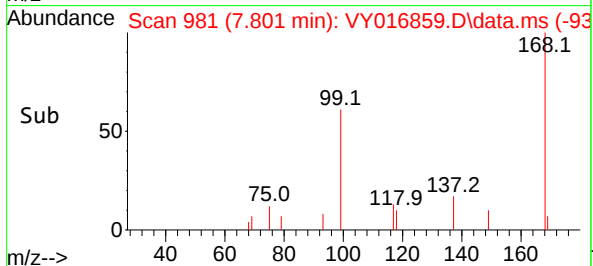
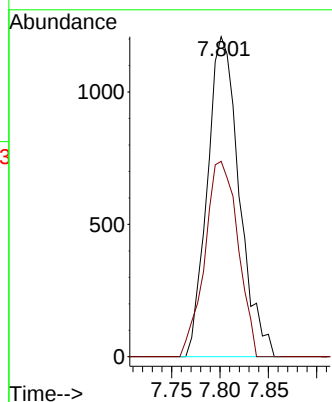
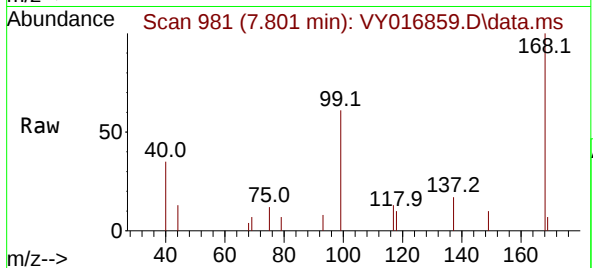




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

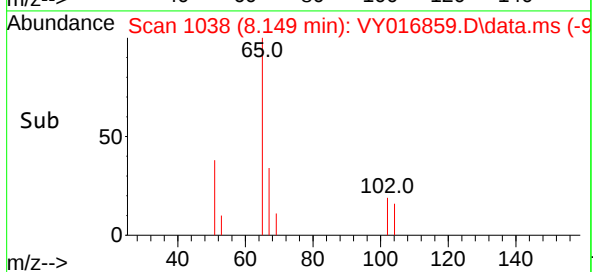
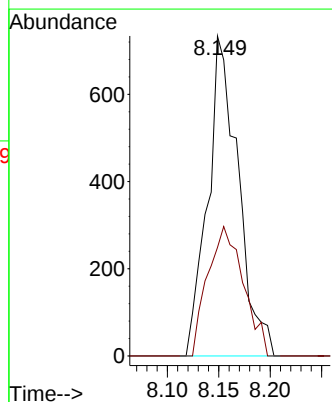
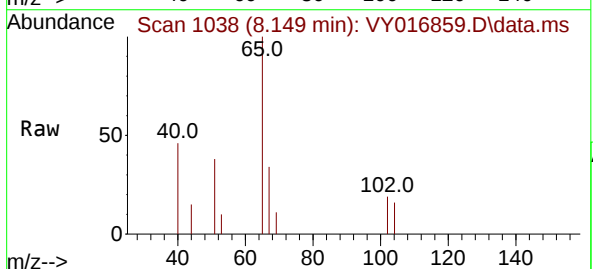
Instrument :
MSVOA_Y
ClientSampleId :
WC-D-GRAB

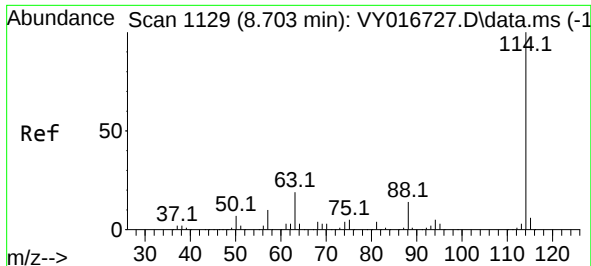
Tgt Ion:168 Resp: 2778
Ion Ratio Lower Upper
168 100
99 61.0 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 59.621 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

Tgt Ion: 65 Resp: 1512
Ion Ratio Lower Upper
65 100
67 47.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.001 min

Lab File: VY016859.D

Acq: 26 Dec 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

WC-D-GRAB

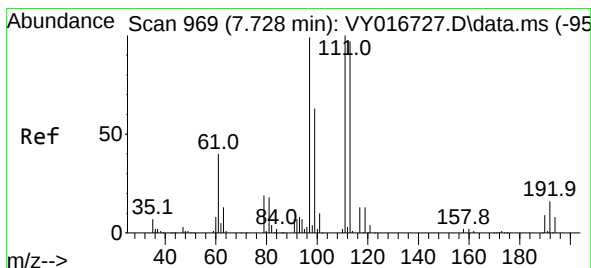
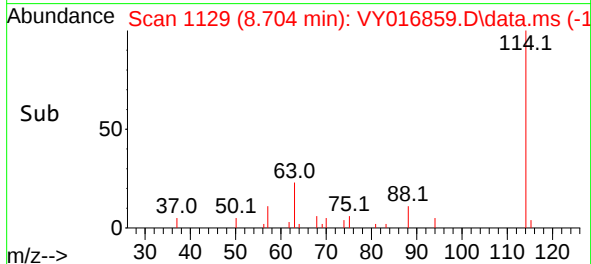
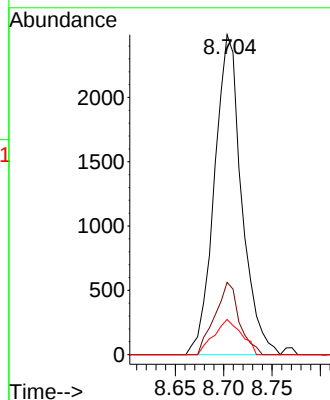
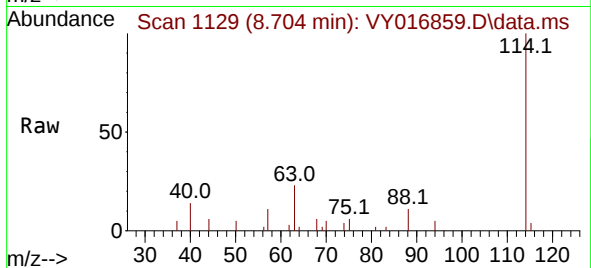
Tgt Ion:114 Resp: 4871

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.4

88 11.0 0.0 29.0



#35

Dibromofluoromethane

Concen: 50.605 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY016859.D

Acq: 26 Dec 2023 17:39

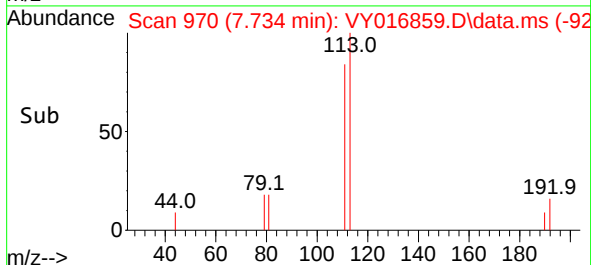
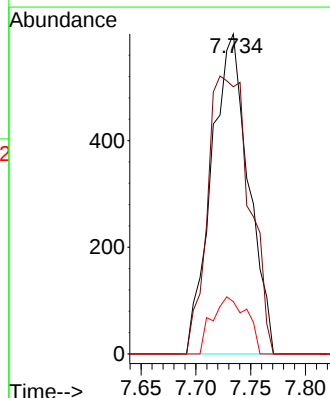
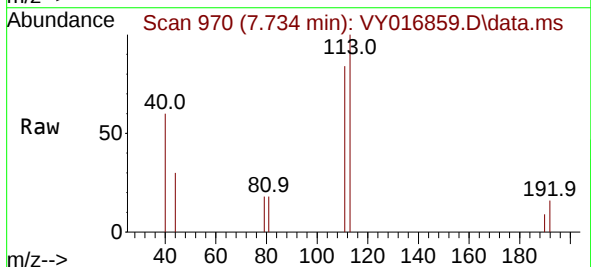
Tgt Ion:113 Resp: 1412

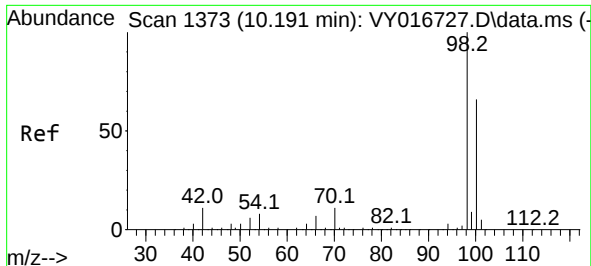
Ion Ratio Lower Upper

113 100

111 98.2 83.8 125.6

192 16.7 14.5 21.7





#50

Toluene-d8

Concen: 43.844 ug/l

RT: 10.191 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY016859.D

Acq: 26 Dec 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

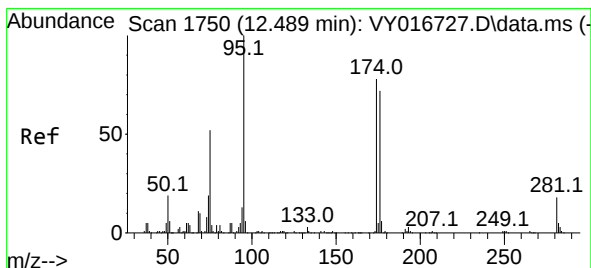
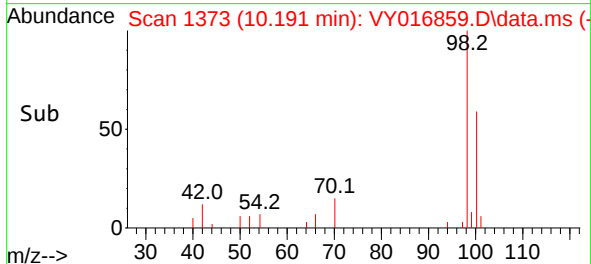
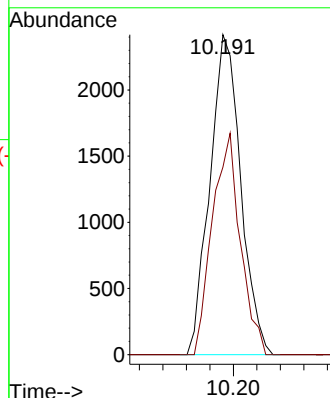
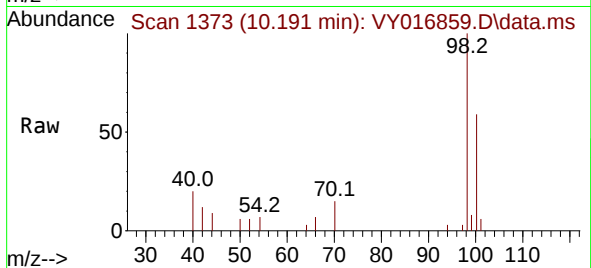
WC-D-GRAB

Tgt Ion: 98 Resp: 4410

Ion Ratio Lower Upper

98 100

100 62.7 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 24.730 ug/l

RT: 12.496 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016859.D

Acq: 26 Dec 2023 17:39

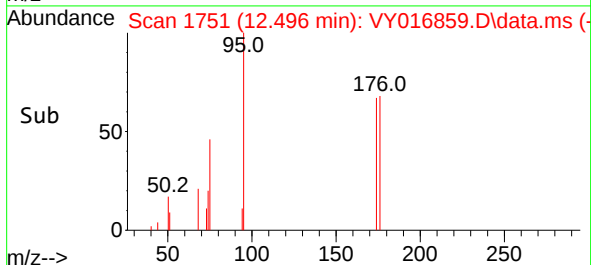
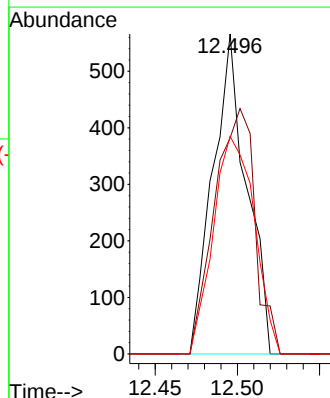
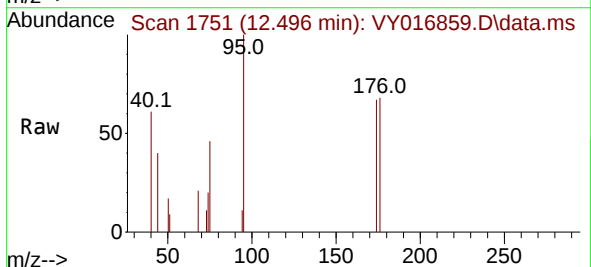
Tgt Ion: 95 Resp: 807

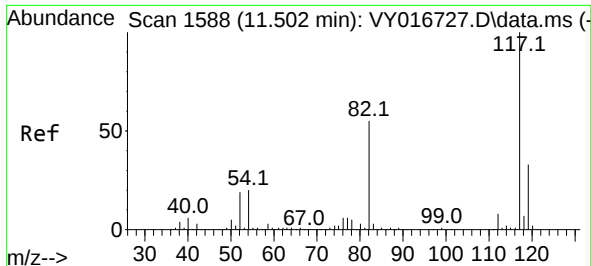
Ion Ratio Lower Upper

95 100

174 91.6 0.0 160.0

176 83.0 0.0 151.8

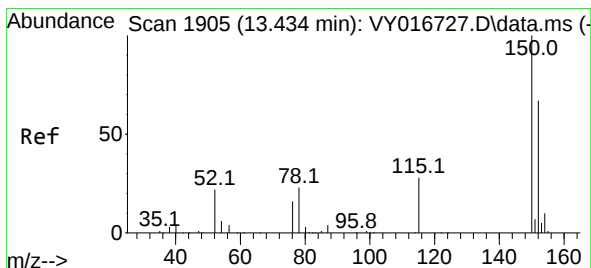
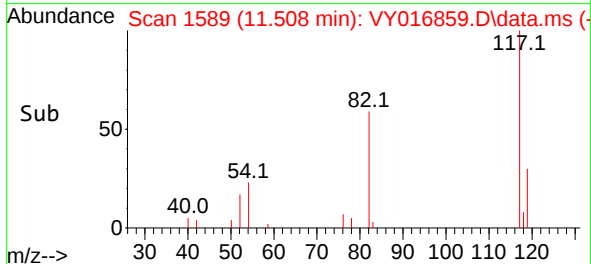
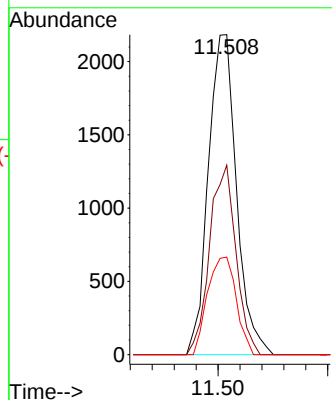
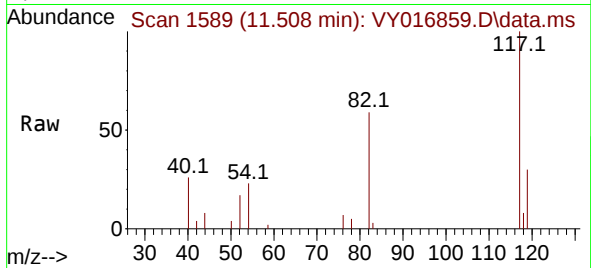




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
WC-D-GRAB

Tgt Ion:117 Resp: 3895
Ion Ratio Lower Upper
117 100
82 59.2 43.8 65.8
119 30.5 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016859.D
Acq: 26 Dec 2023 17:39

Tgt Ion:152 Resp: 668
Ion Ratio Lower Upper
152 100
115 78.3 30.0 90.0
150 160.5 0.0 344.6

