

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017497.D
 Acq On : 27 Feb 2024 15:30
 Operator : SY/MD
 Sample : P1564-19RE
 Misc : 3.52g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-18RE

Quant Time: Feb 28 00:17:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	113481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	204381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	179566	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	74889	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77429	71.994	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	143.980%
35) Dibromofluoromethane	7.716	113	82339	57.815	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.620%
50) Toluene-d8	10.179	98	294036	59.049	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	118.100%
62) 4-Bromofluorobenzene	12.483	95	84571	54.042	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	108.080%

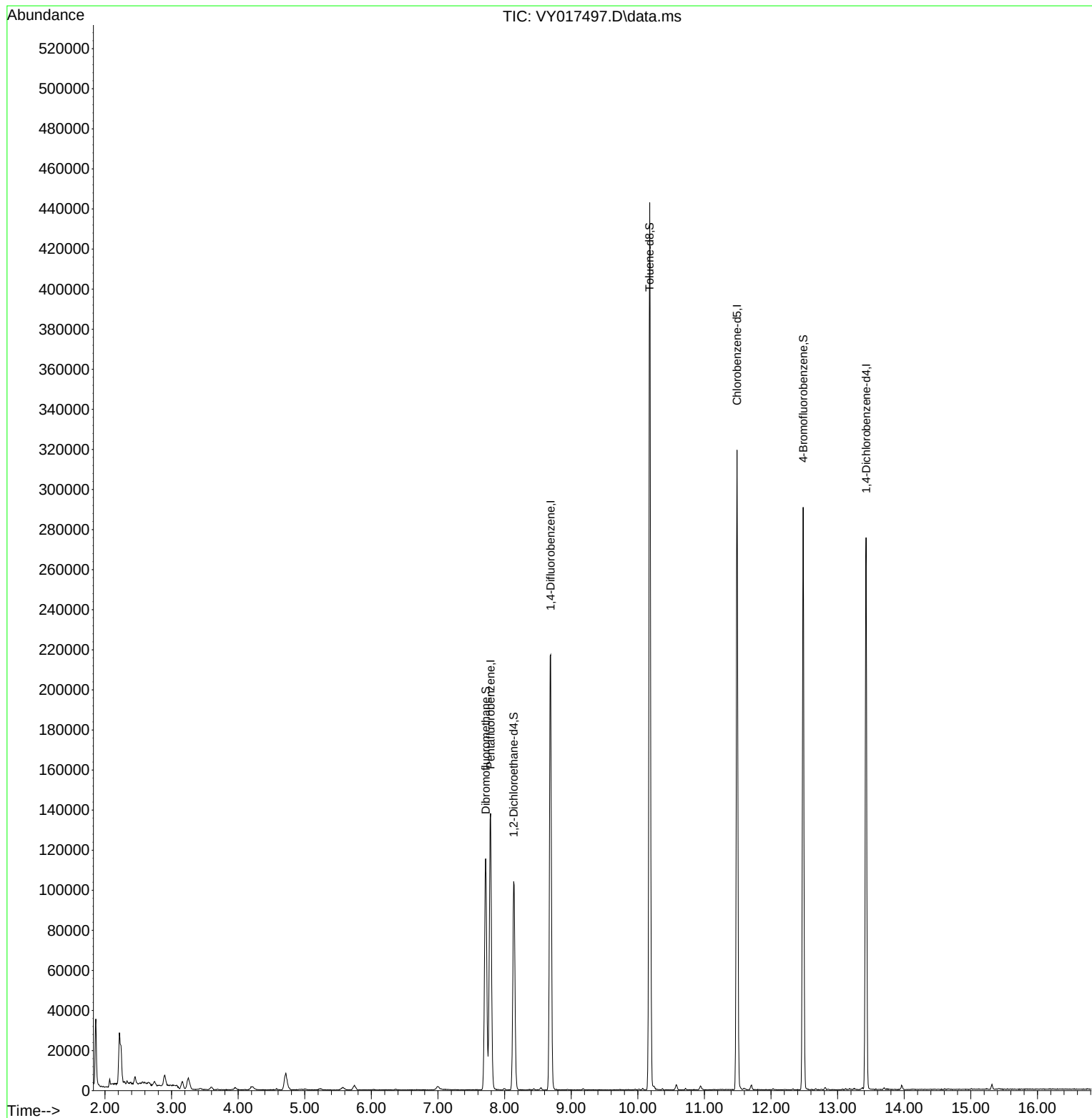
Target Compounds	Qvalue

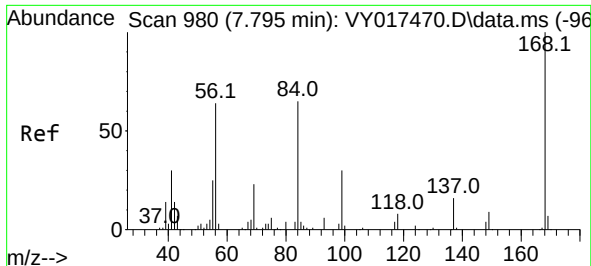
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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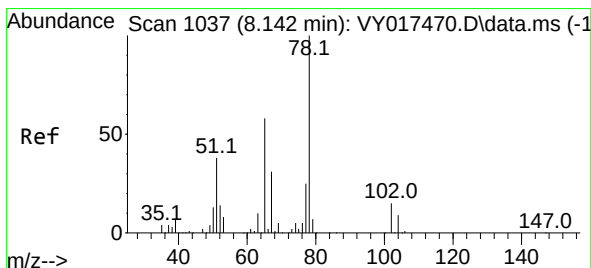
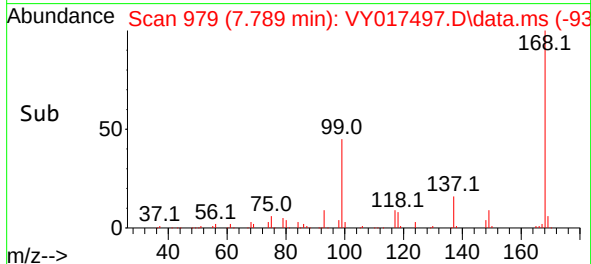
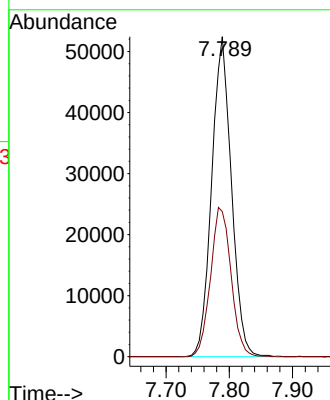
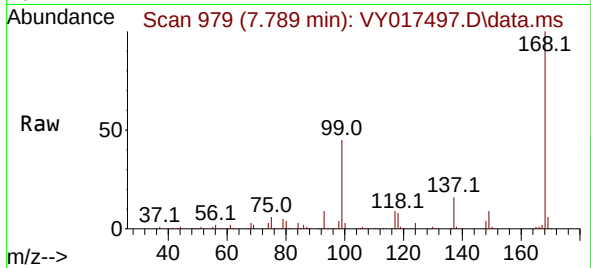




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017497.D
Acq: 27 Feb 2024 15:30

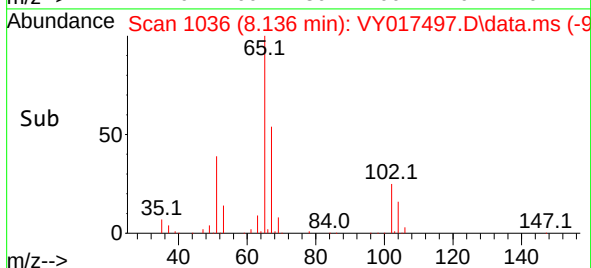
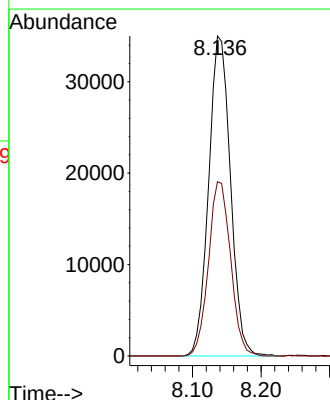
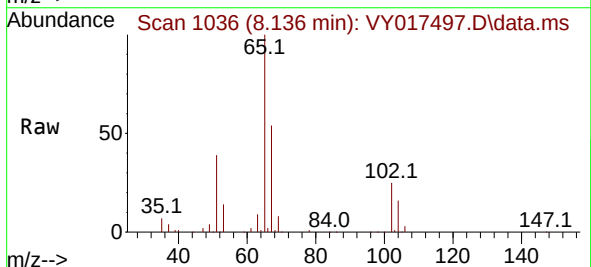
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-18RE

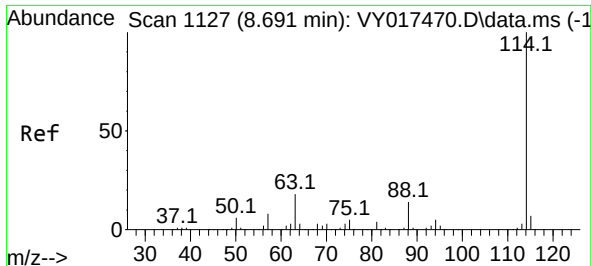
Tgt Ion:168 Resp: 113481
Ion Ratio Lower Upper
168 100
99 45.4 39.1 58.7



#33
1,2-Dichloroethane-d4
Concen: 71.994 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY017497.D
Acq: 27 Feb 2024 15:30

Tgt Ion: 65 Resp: 77429
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY017497.D

Acq: 27 Feb 2024 15:30

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-18RE

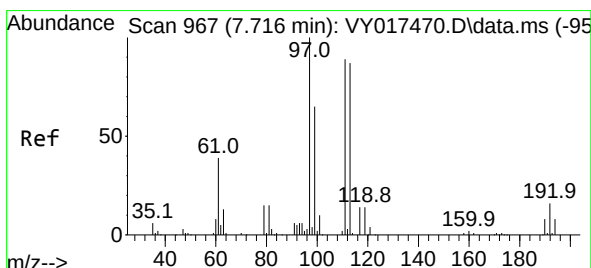
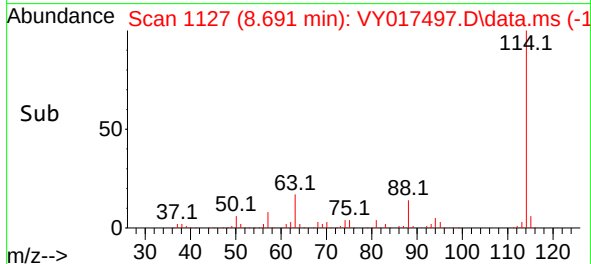
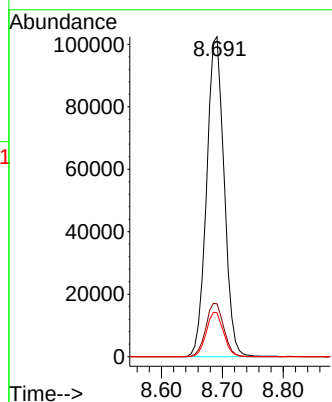
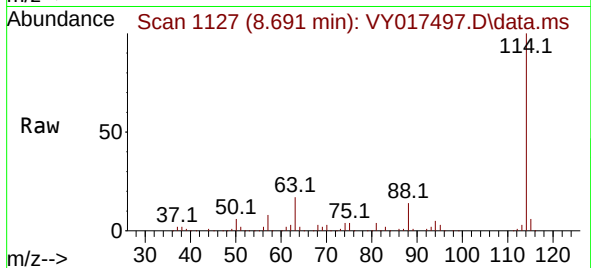
Tgt Ion:114 Resp: 204381

Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.815 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY017497.D

Acq: 27 Feb 2024 15:30

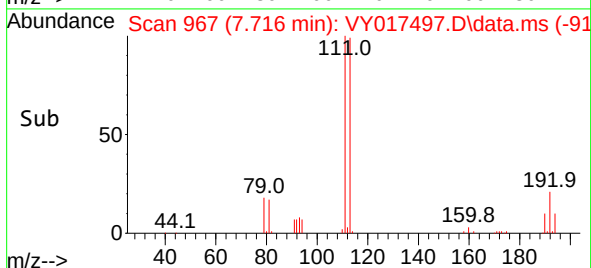
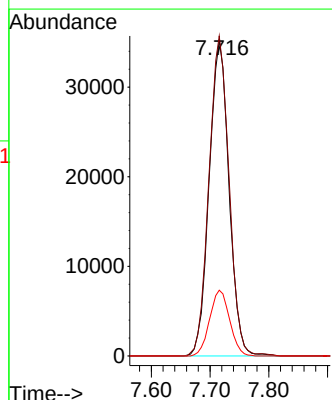
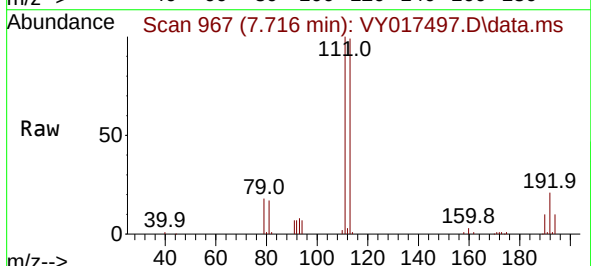
Tgt Ion:113 Resp: 82339

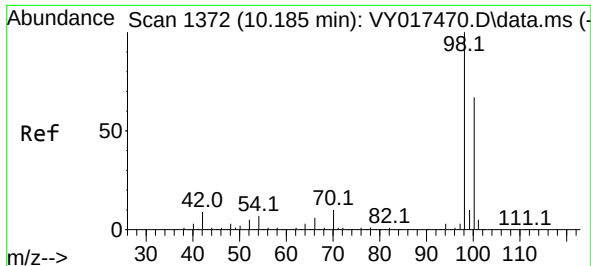
Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.4

192 21.0 15.9 23.9

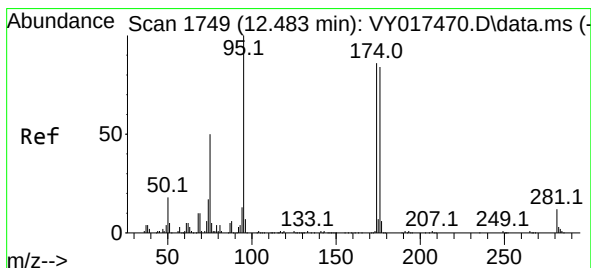
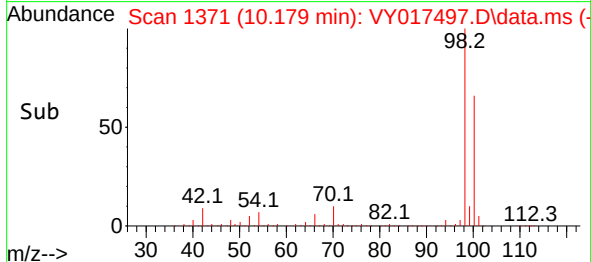
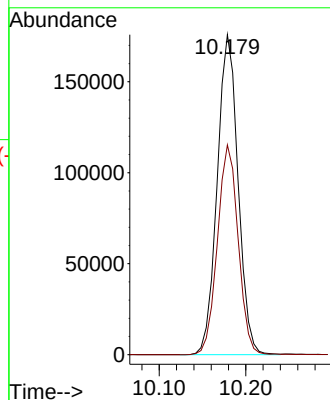
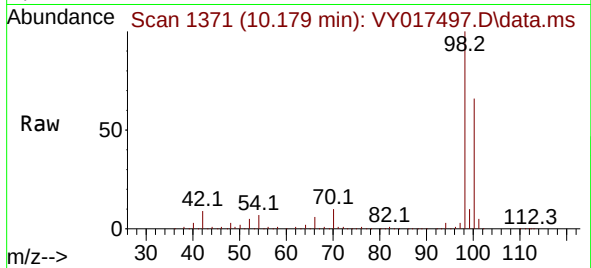




#50
Toluene-d8
Concen: 59.049 ug/l
RT: 10.179 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY017497.D
Acq: 27 Feb 2024 15:30

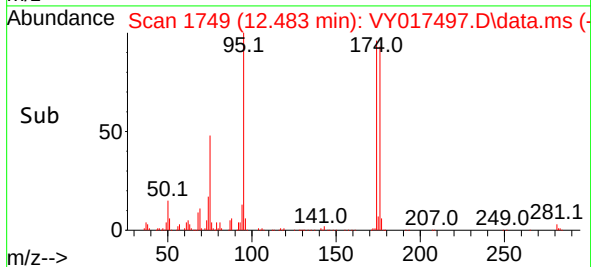
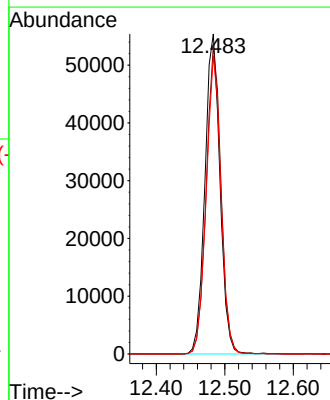
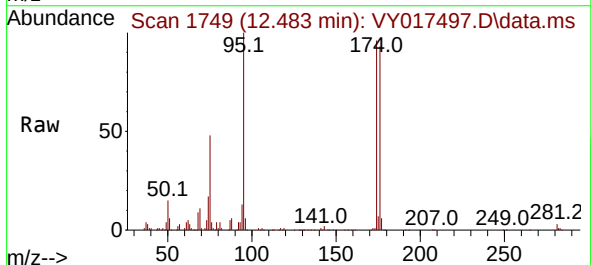
Instrument :
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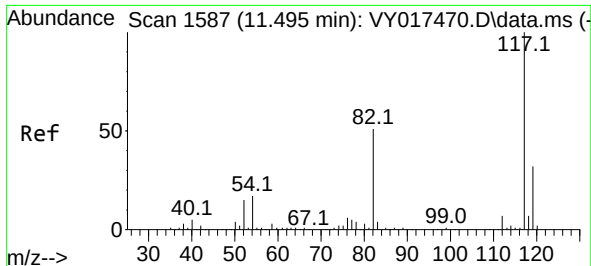
Tgt Ion: 98 Resp: 294036
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 54.042 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017497.D
Acq: 27 Feb 2024 15:30

Tgt Ion: 95 Resp: 84571
Ion Ratio Lower Upper
95 100
174 94.7 0.0 175.6
176 91.3 0.0 171.4

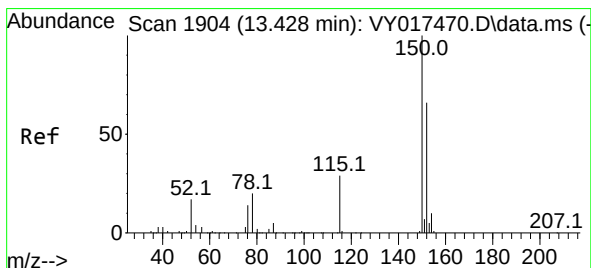
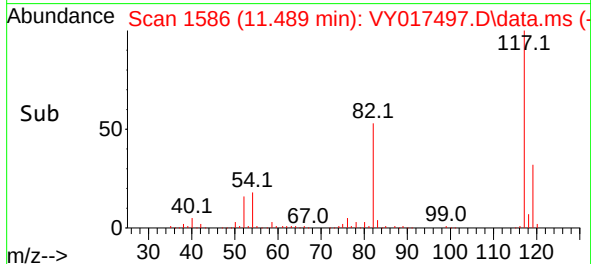
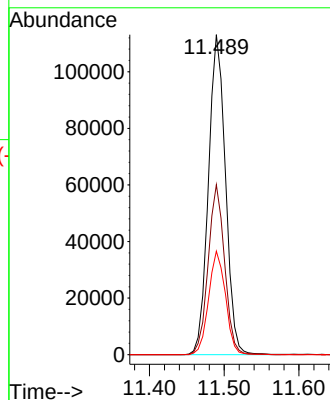
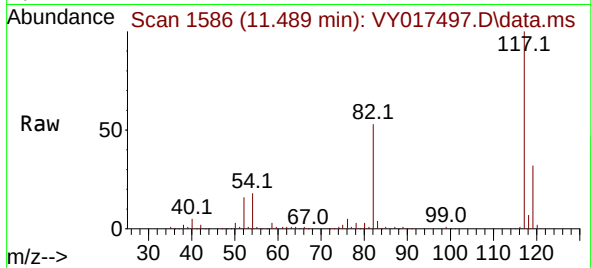




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017497.D
Acq: 27 Feb 2024 15:30

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-18RE

Tgt Ion:117 Resp: 179566
Ion Ratio Lower Upper
117 100
82 53.1 42.4 63.6
119 32.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017497.D
Acq: 27 Feb 2024 15:30

Tgt Ion:152 Resp: 74889
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.7
150 156.8 0.0 345.6

