

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023286.D
 Acq On : 04 Sep 2025 15:28
 Operator : SY/MD
 Sample : Q3023-04
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Sep 05 04:25:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	582364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1113419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1024645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	419135	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	305634	55.066	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.140%
35) Dibromofluoromethane	7.634	113	362895	54.470	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.940%
50) Toluene-d8	10.109	98	1331201	51.147	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.300%
62) 4-Bromofluorobenzene	12.408	95	392533	46.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.800%

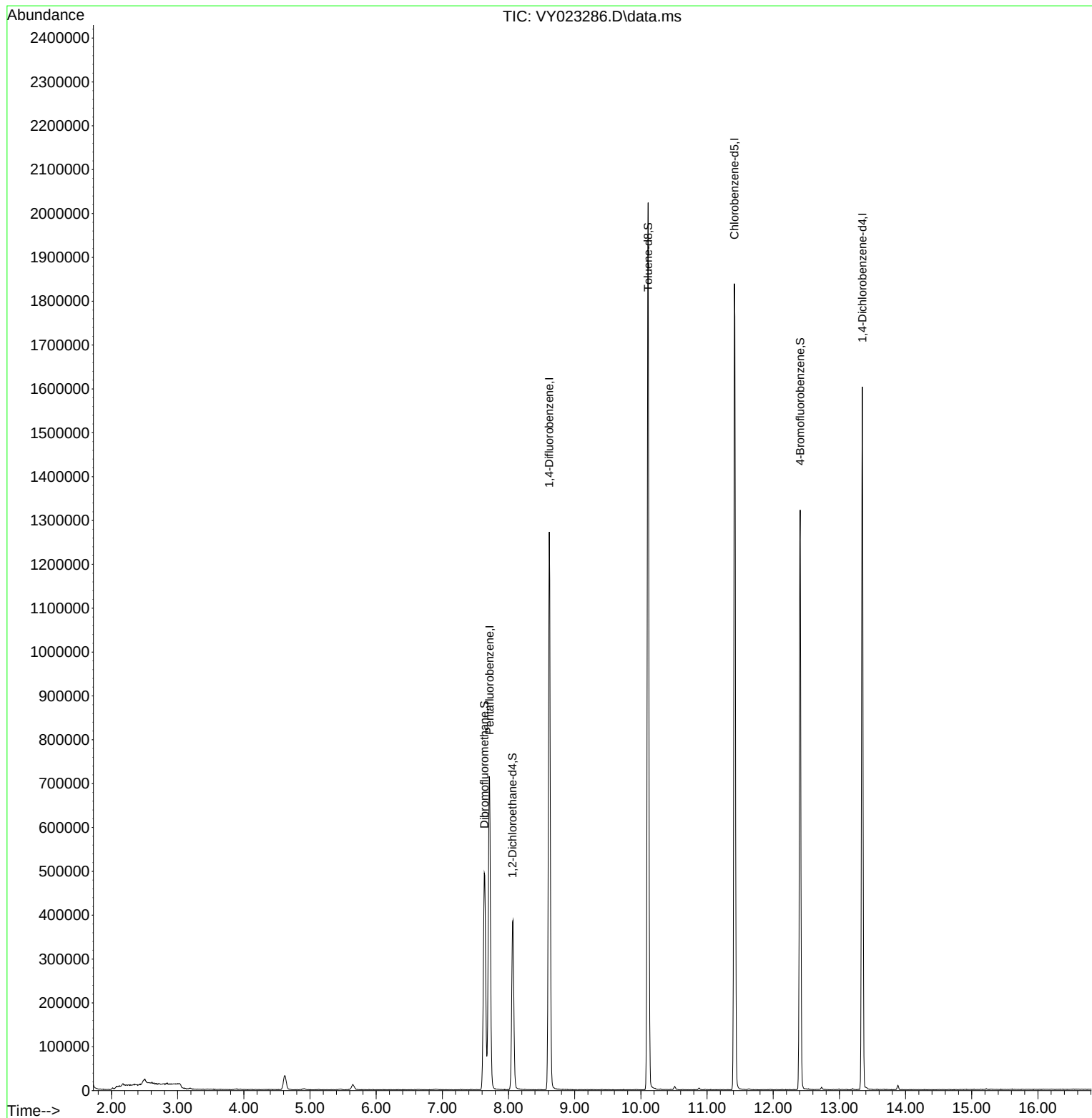
Target Compounds	Qvalue

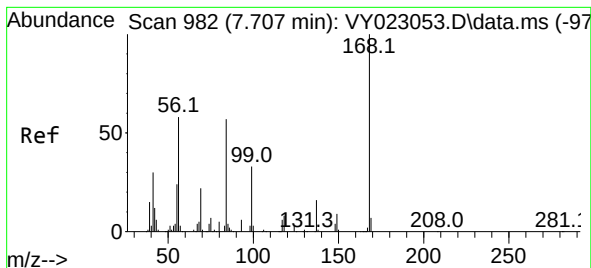
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY023286.D

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Instrument :

MSVOA_Y

ClientSampleId :

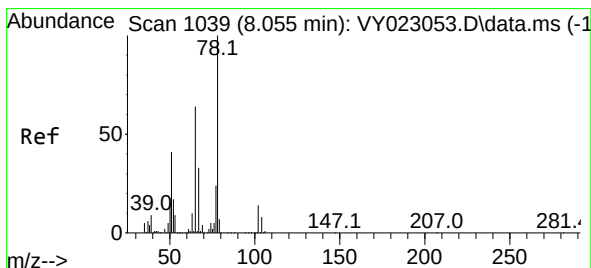
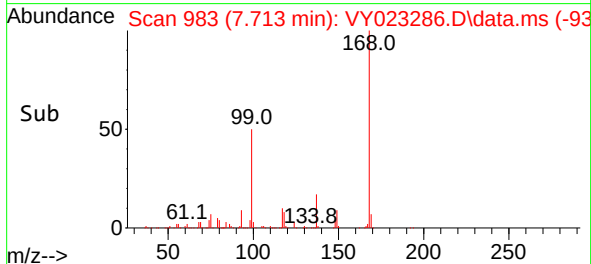
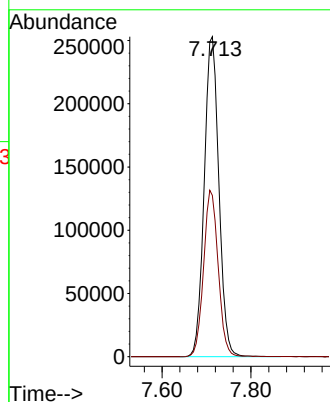
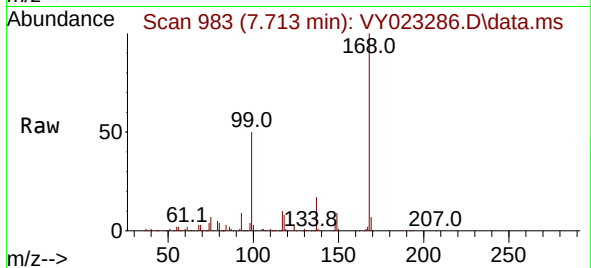
TP-2

Tgt Ion:168 Resp: 582364

Ion Ratio Lower Upper

168 100

99 50.4 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 55.066 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023286.D

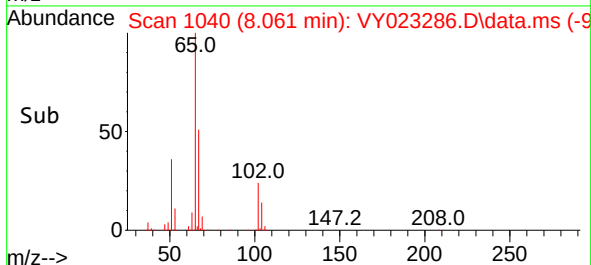
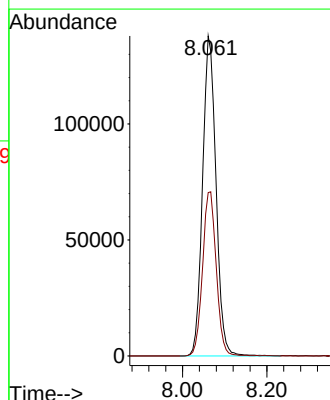
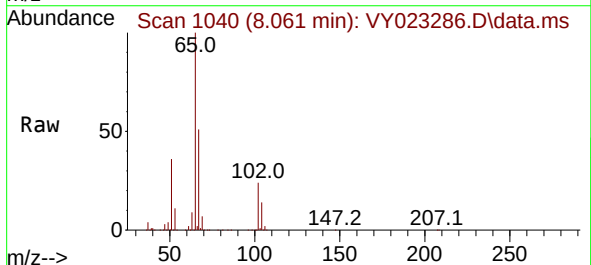
Acq: 04 Sep 2025 15:28

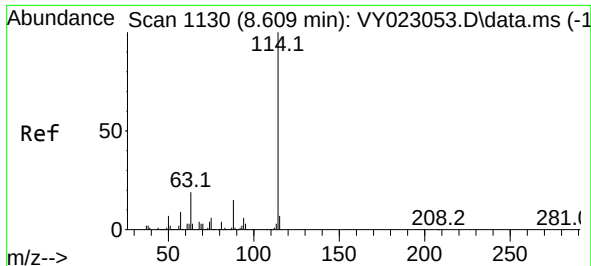
Tgt Ion: 65 Resp: 305634

Ion Ratio Lower Upper

65 100

67 52.4 0.0 106.8

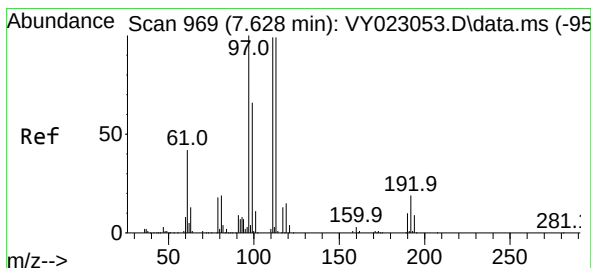
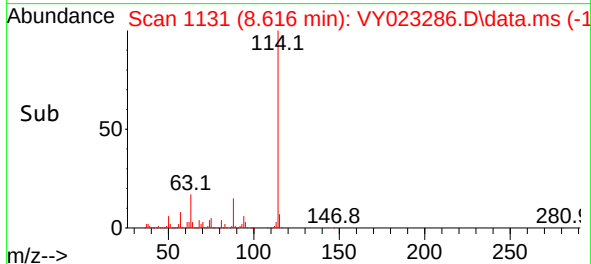
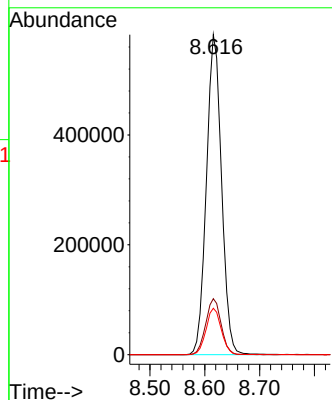
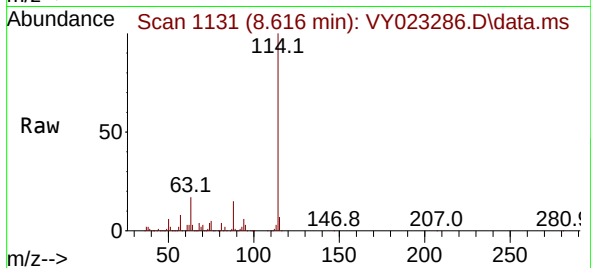




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

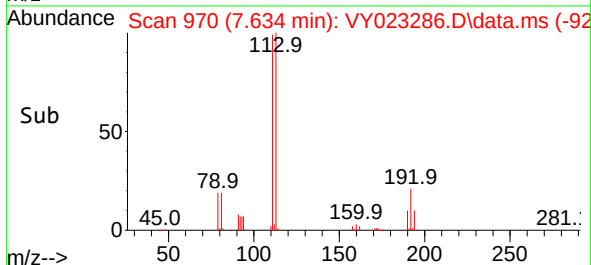
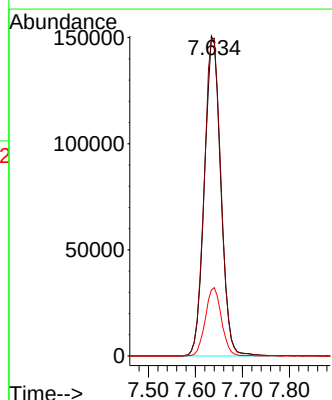
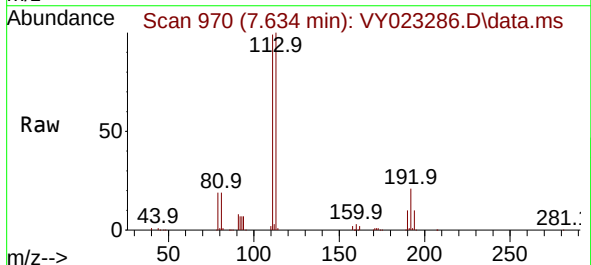
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

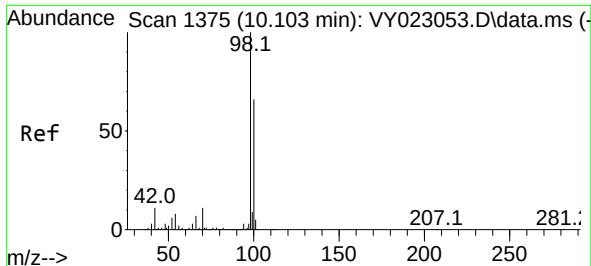
Tgt Ion:114 Resp: 1113419
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.5 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.470 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Tgt Ion:113 Resp: 362895
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 21.1 16.2 24.4

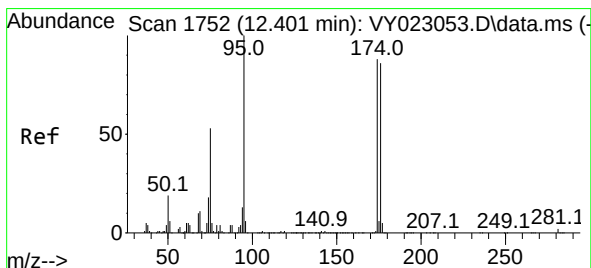
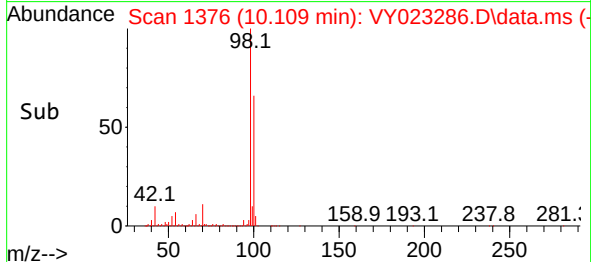
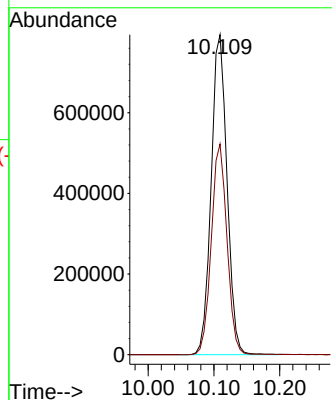
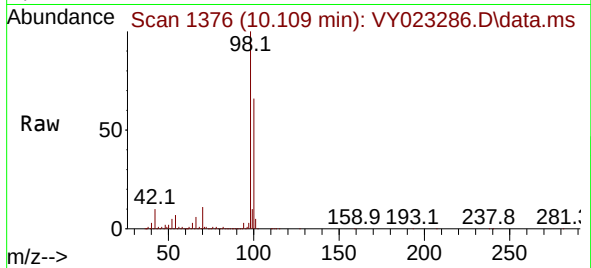




#50
Toluene-d8
Concen: 51.147 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

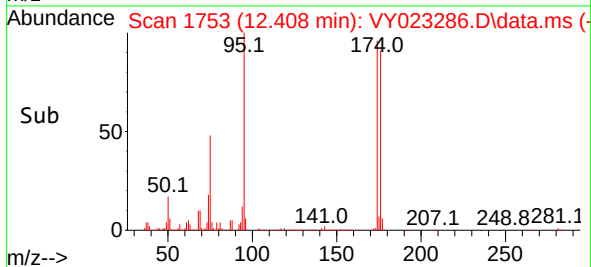
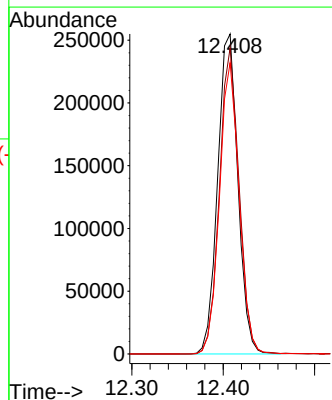
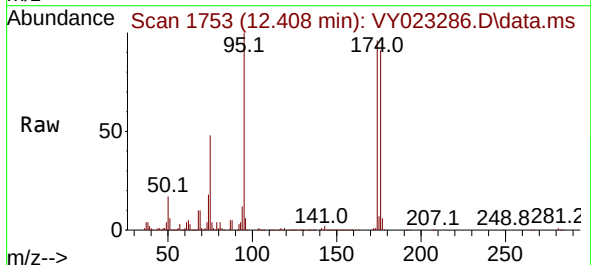
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

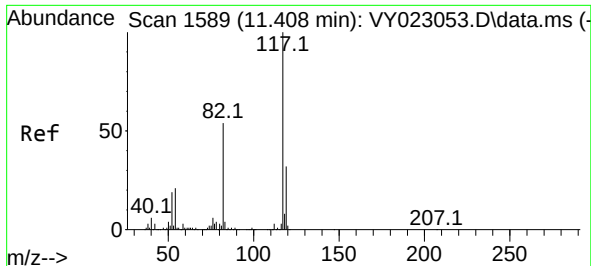
Tgt Ion: 98 Resp: 1331201
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 46.896 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Tgt Ion: 95 Resp: 392533
Ion Ratio Lower Upper
95 100
174 93.2 0.0 171.6
176 88.9 0.0 167.6

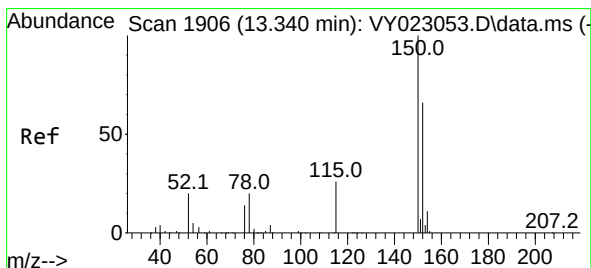
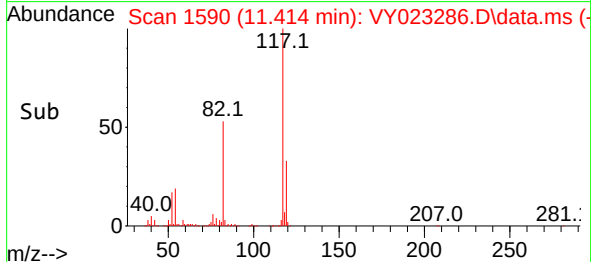
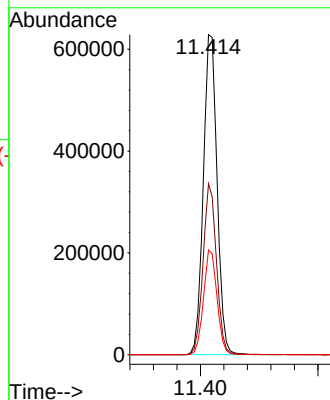
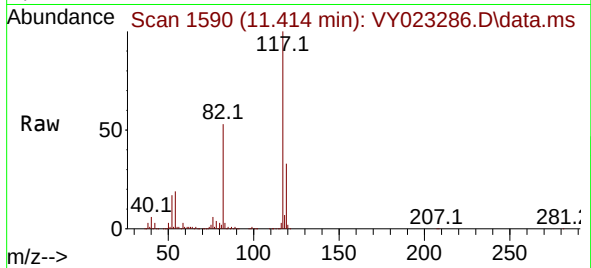




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Tgt Ion:117 Resp: 1024645
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023286.D
Acq: 04 Sep 2025 15:28

Tgt Ion:152 Resp: 419135
Ion Ratio Lower Upper
152 100
115 54.9 28.2 84.6
150 157.2 0.0 348.0

