

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022755.D
 Acq On : 19 Jun 2025 15:12
 Operator : SY/MD
 Sample : Q2367-07
 Misc : 4.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EP-5-VOV

Quant Time: Jun 20 03:00:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	88760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	167740	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	140708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	52660	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	54398	54.796	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.600%
35) Dibromofluoromethane	7.634	113	53565	53.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.000%
50) Toluene-d8	10.103	98	203716	50.356	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.720%
62) 4-Bromofluorobenzene	12.401	95	50944	42.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.520%

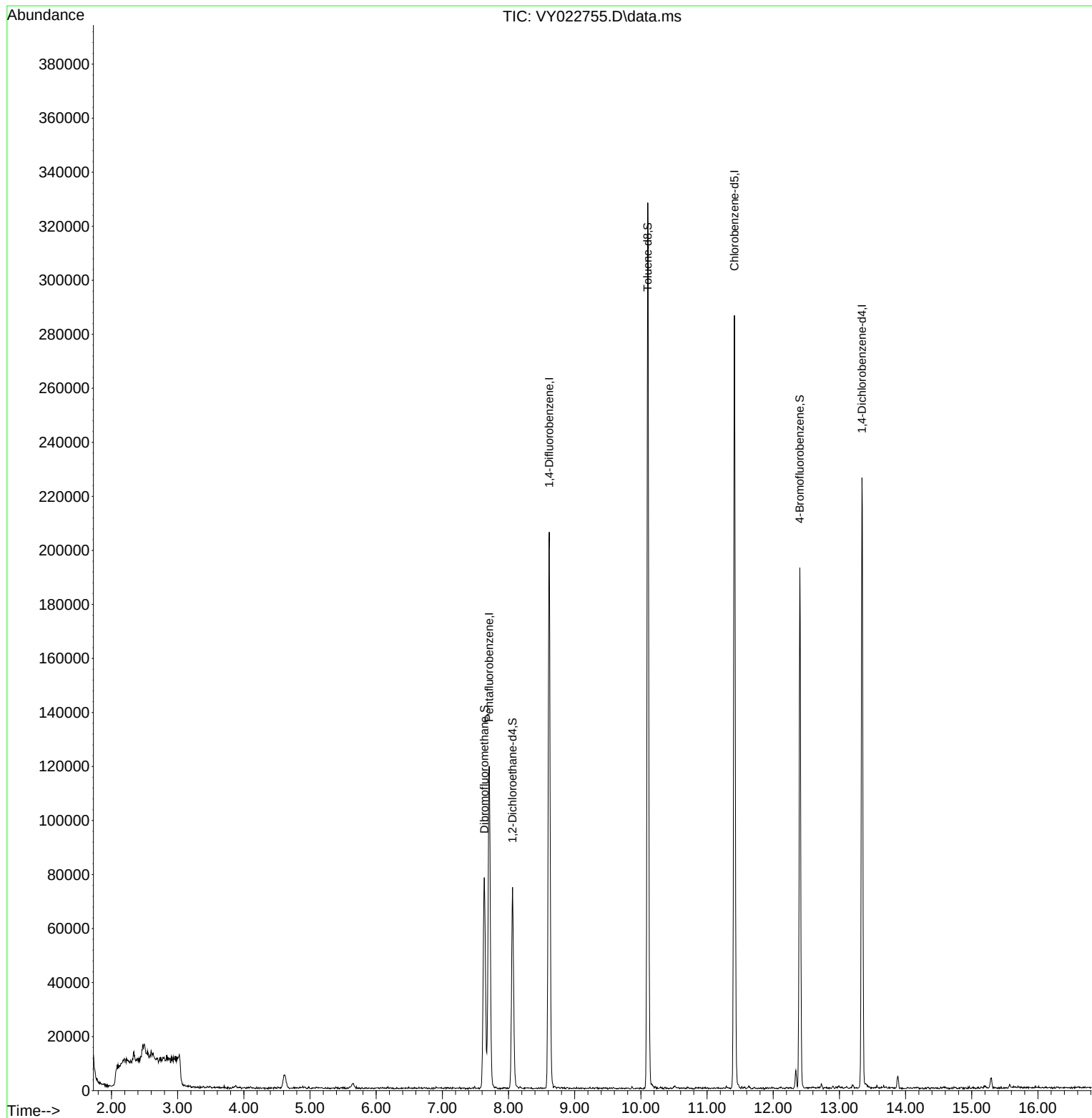
Target Compounds	Qvalue

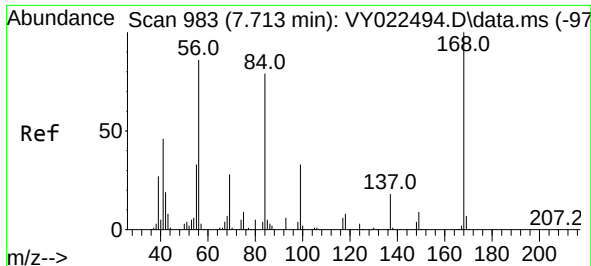
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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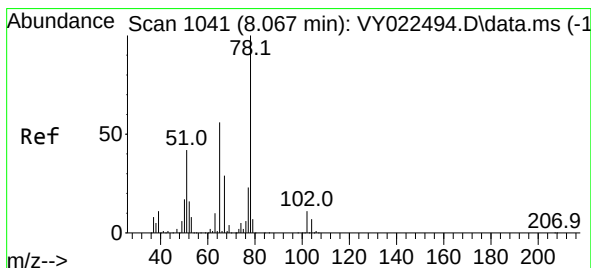
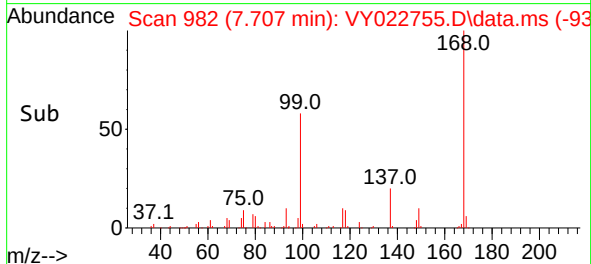
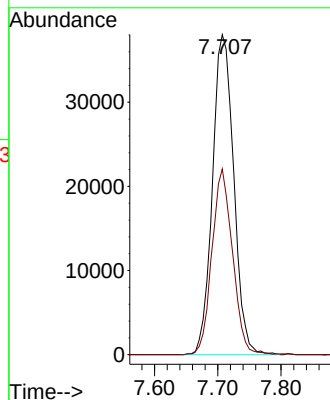
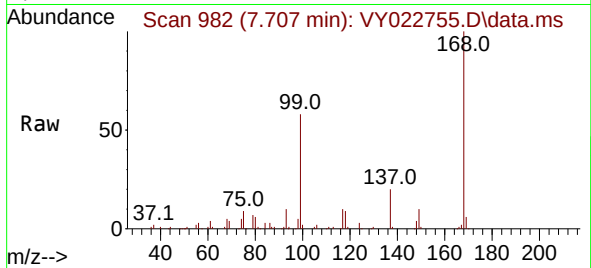




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

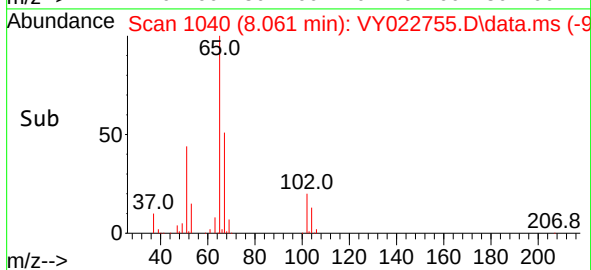
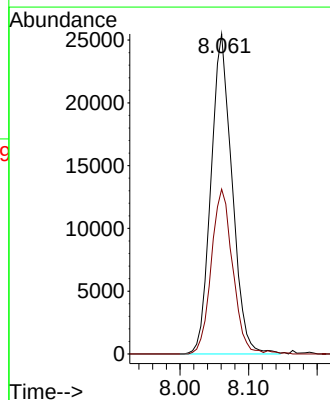
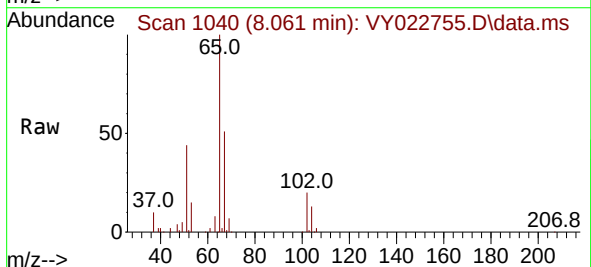
Instrument :
MSVOA_Y
ClientSampleId :
EP-5-VOV

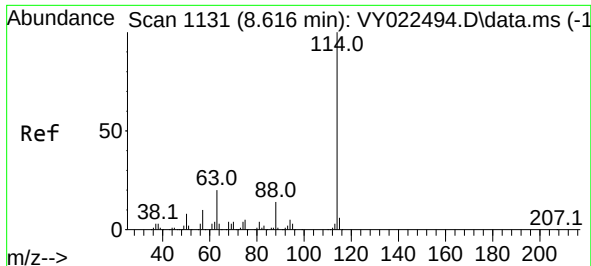
Tgt Ion:168 Resp: 88760
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 54.796 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion: 65 Resp: 54398
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

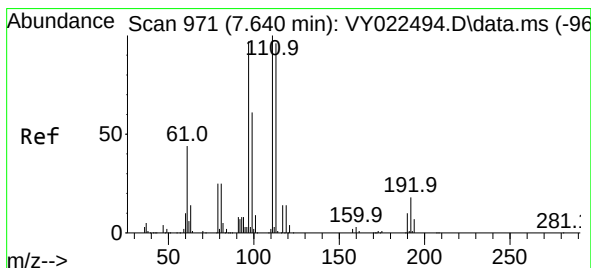
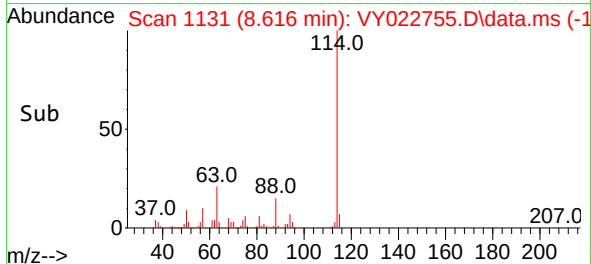
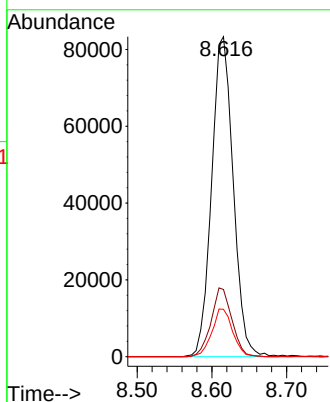
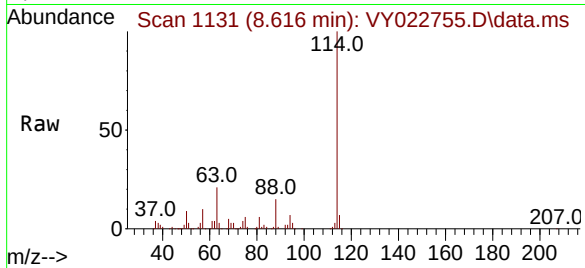




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

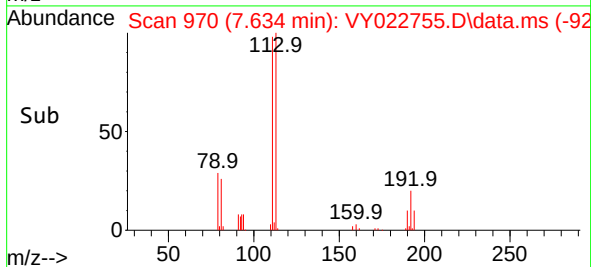
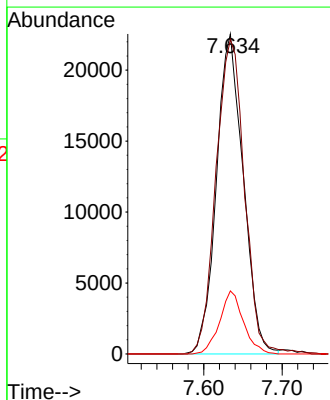
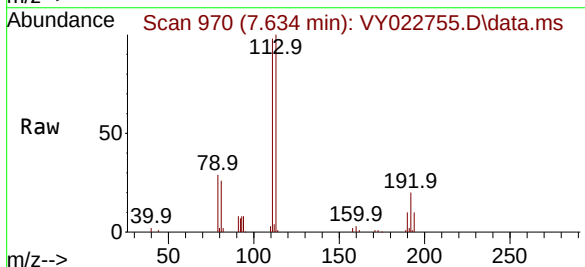
Instrument :
MSVOA_Y
ClientSampleId :
EP-5-VOV

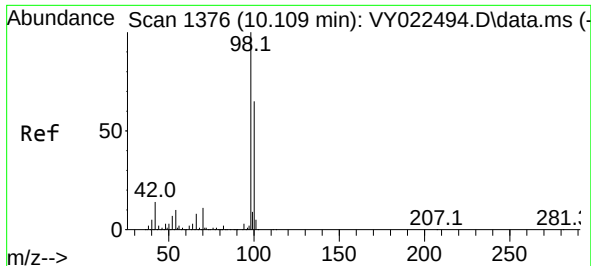
Tgt Ion:114 Resp: 167740
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 14.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.500 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion:113 Resp: 53565
Ion Ratio Lower Upper
113 100
111 104.4 81.1 121.7
192 17.5 14.2 21.2

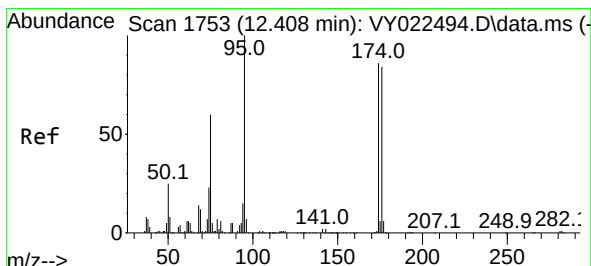
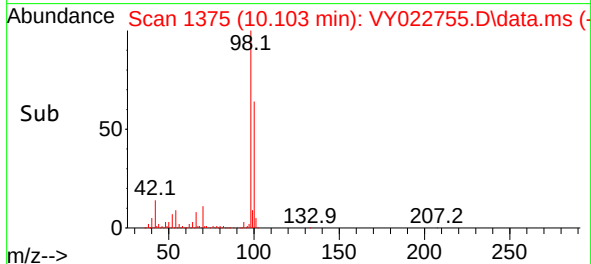
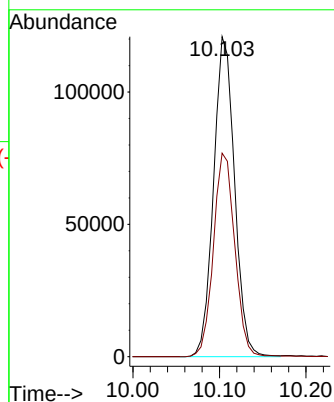
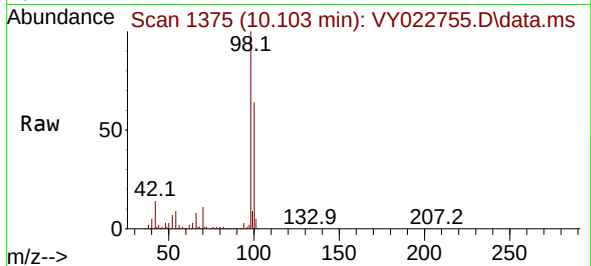




#50
Toluene-d8
Concen: 50.356 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

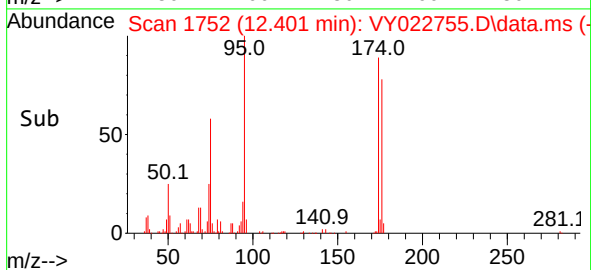
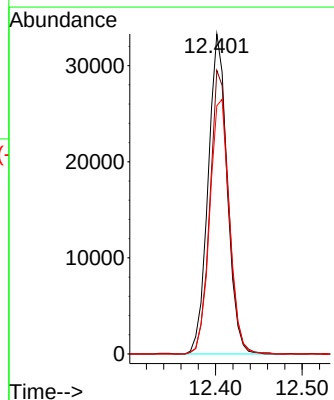
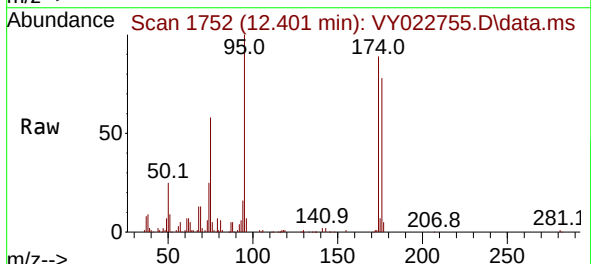
Instrument :
MSVOA_Y
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EP-5-VOV

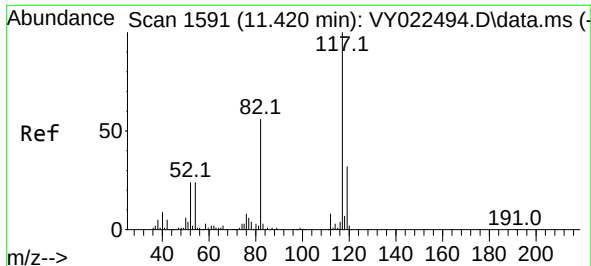
Tgt Ion: 98 Resp: 203716
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.265 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion: 95 Resp: 50944
Ion Ratio Lower Upper
95 100
174 87.2 0.0 170.0
176 82.5 0.0 166.2

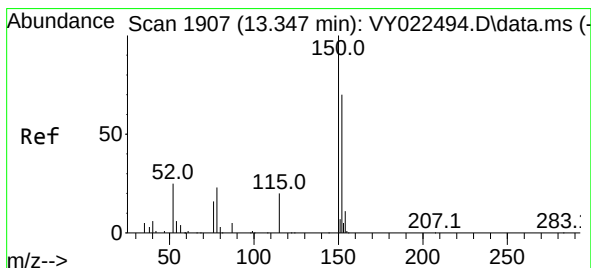
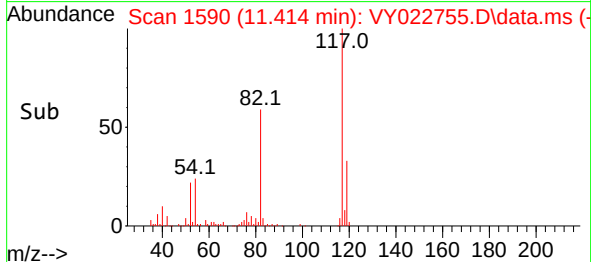
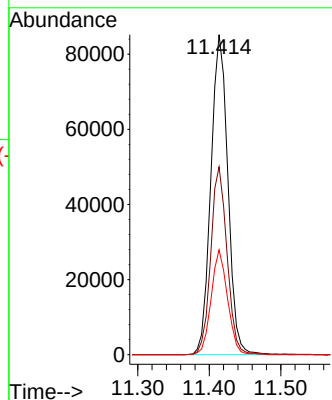
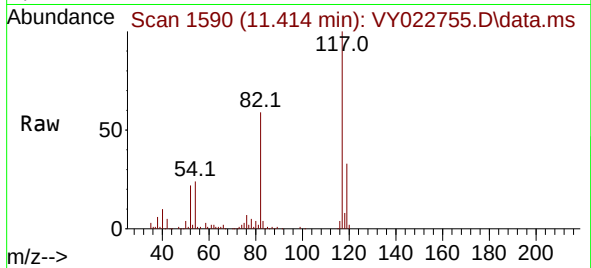




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Instrument :
MSVOA_Y
ClientSampleId :
EP-5-VOV

Tgt Ion:117 Resp: 140708
Ion Ratio Lower Upper
117 100
82 58.7 44.6 66.8
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022755.D
Acq: 19 Jun 2025 15:12

Tgt Ion:152 Resp: 52660
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 155.1 0.0 349.6

