

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022534.D
 Acq On : 03 Jun 2025 19:42
 Operator : SY/MD
 Sample : Q2177-01
 Misc : 2.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-187-SB00

Quant Time: Jun 04 04:18:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	249503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	446768	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	313918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80935	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134811	48.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.620%
35) Dibromofluoromethane	7.634	113	137946	51.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.460%
50) Toluene-d8	10.103	98	524997	48.723	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.440%
62) 4-Bromofluorobenzene	12.402	95	98946	30.820	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.640%

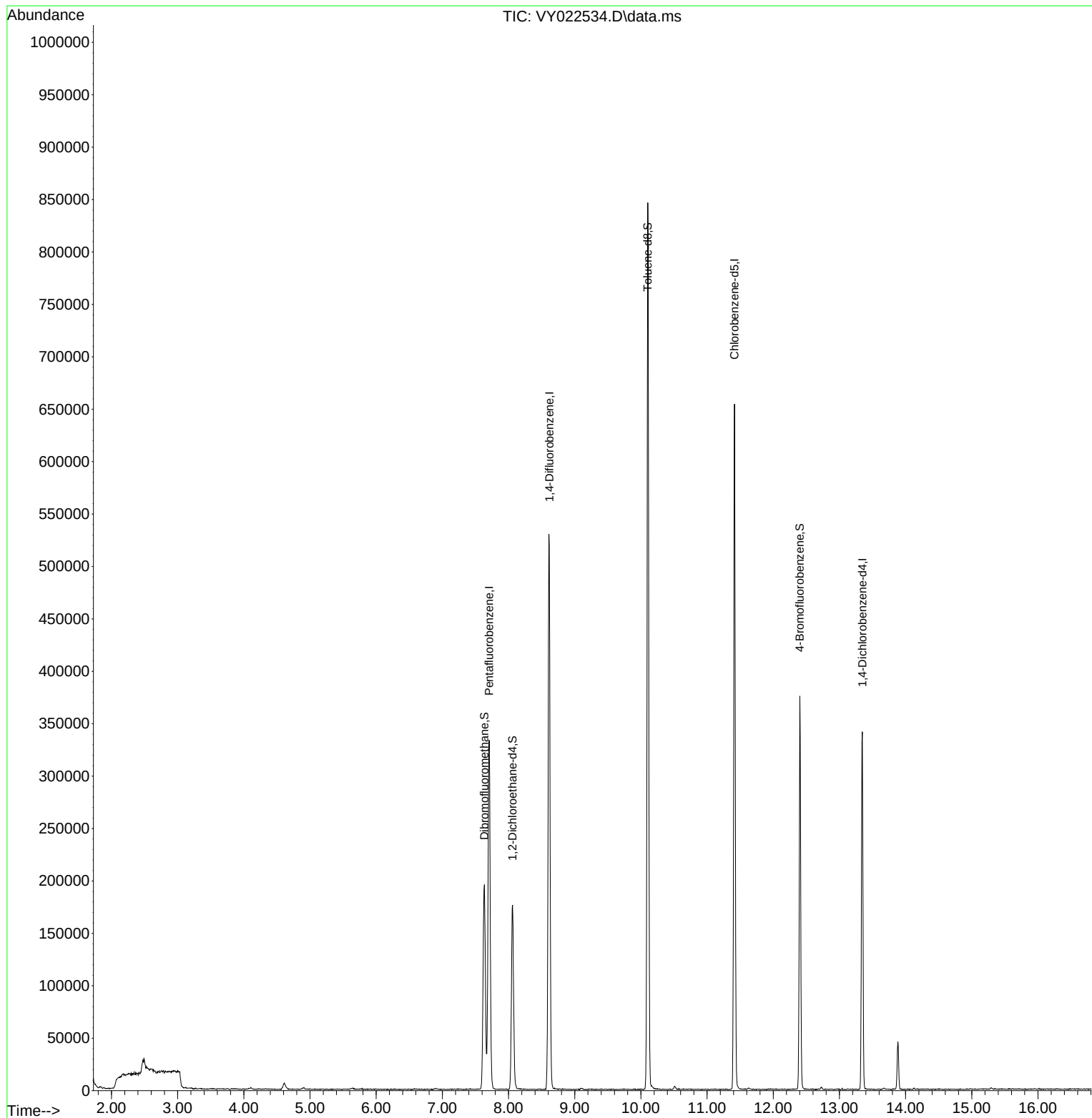
Target Compounds	Qvalue

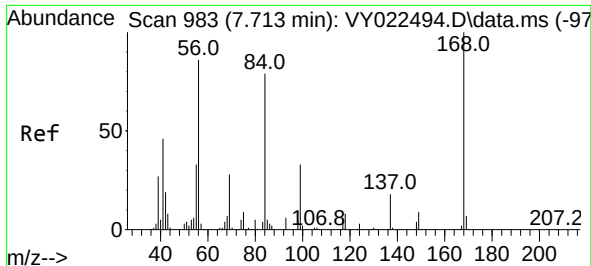
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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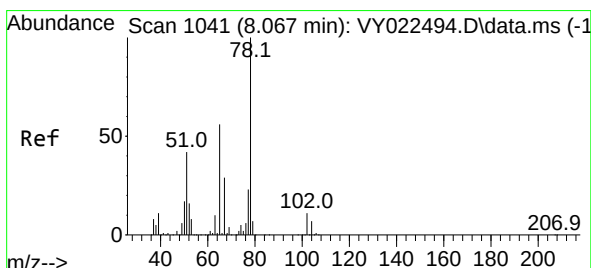
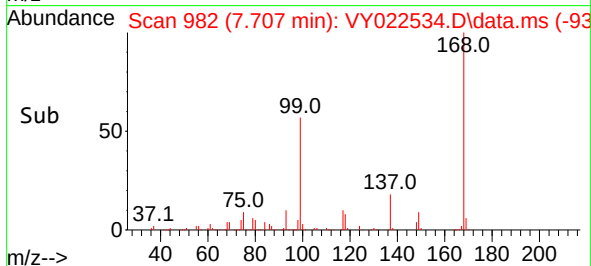
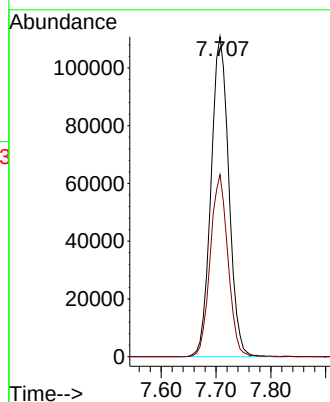
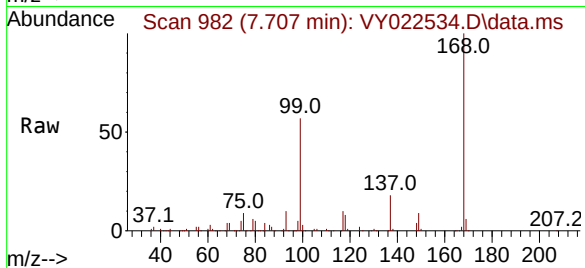




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

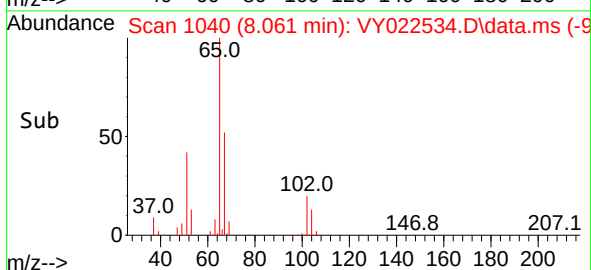
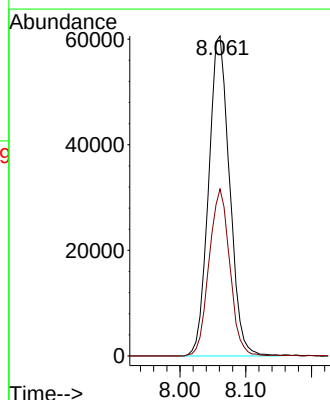
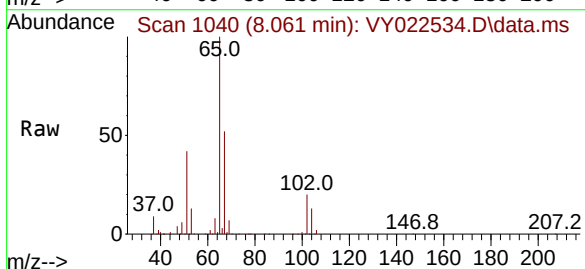
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

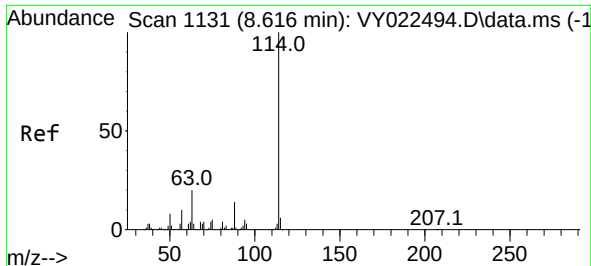
Tgt Ion:168 Resp: 249503
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 48.310 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 65 Resp: 134811
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4

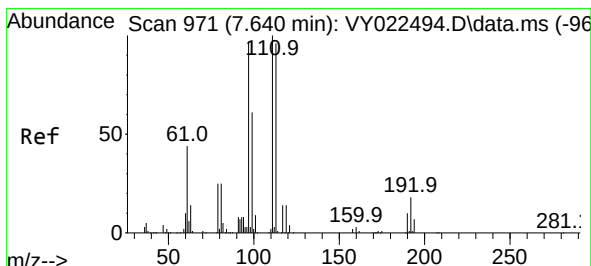
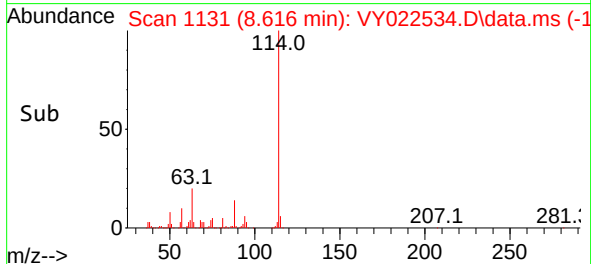
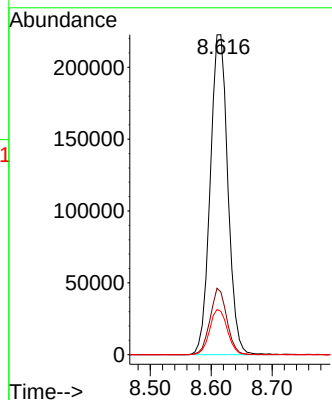
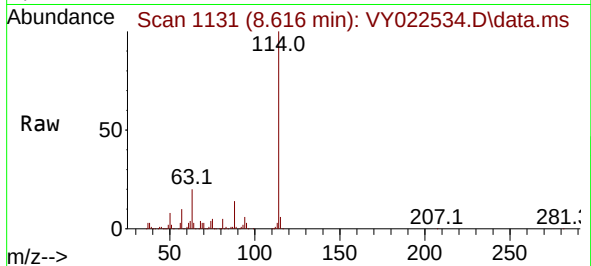




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

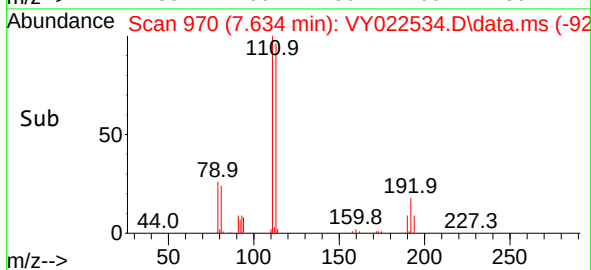
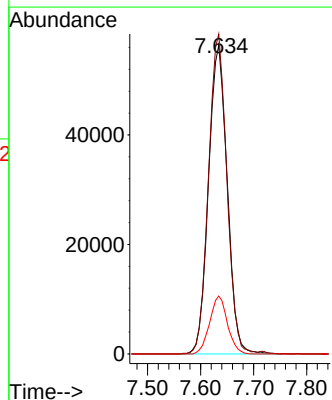
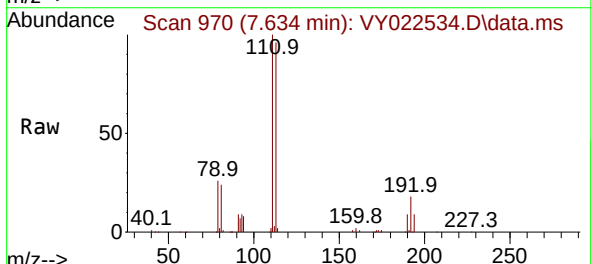
Instrument :
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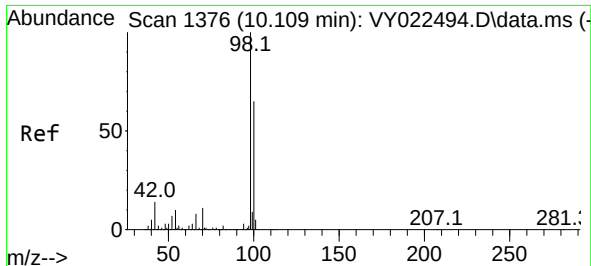
Tgt Ion:114 Resp: 446768
Ion Ratio Lower Upper
114 100
63 19.6 0.0 40.8
88 13.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.730 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:113 Resp: 137946
Ion Ratio Lower Upper
113 100
111 101.7 81.1 121.7
192 17.9 14.2 21.2

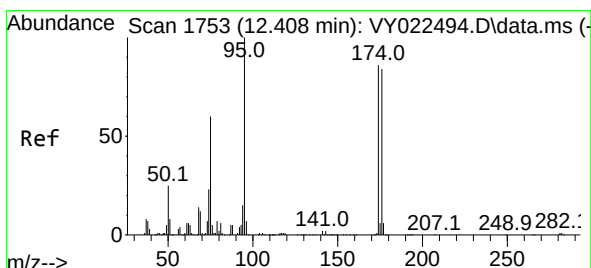
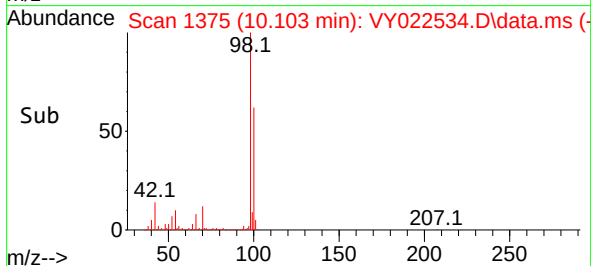
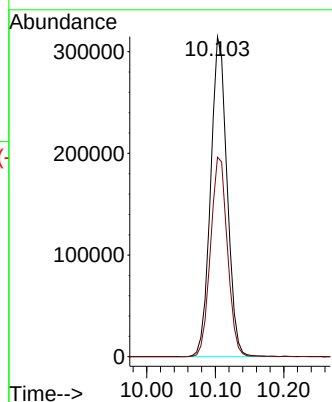
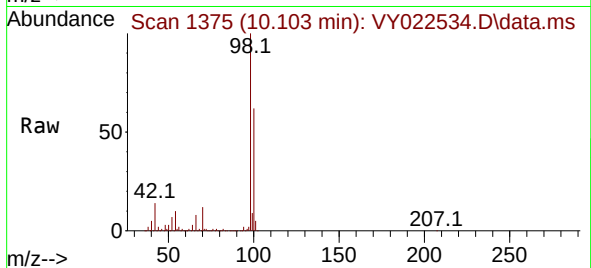




#50
Toluene-d8
Concen: 48.723 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

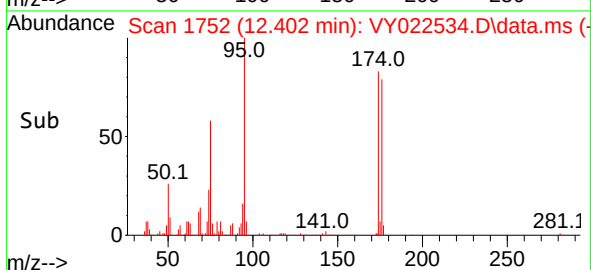
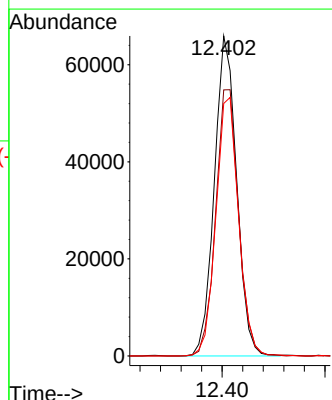
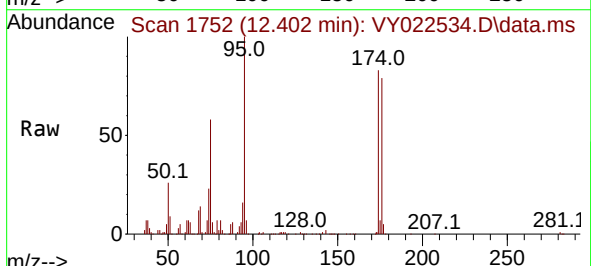
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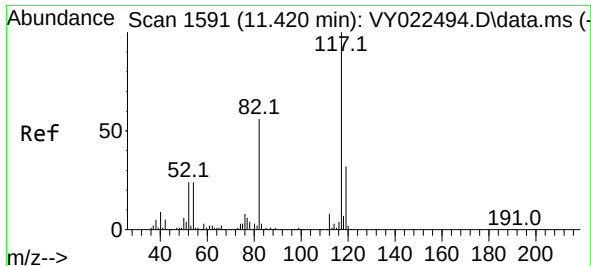
Tgt Ion: 98 Resp: 524997
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 30.820 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion: 95 Resp: 98946
Ion Ratio Lower Upper
95 100
174 85.6 0.0 170.0
176 82.5 0.0 166.2

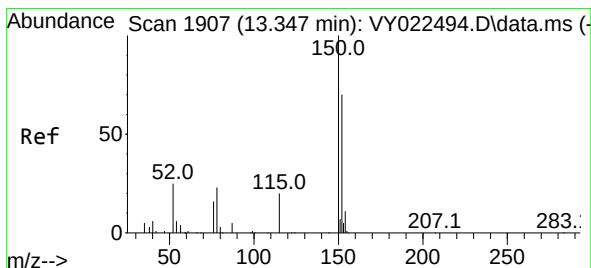
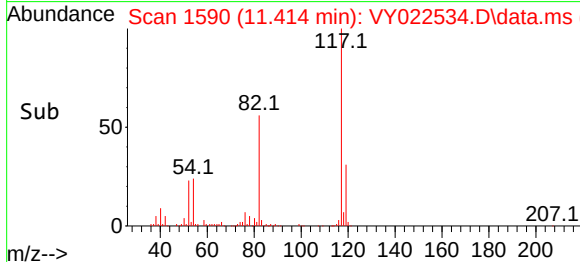
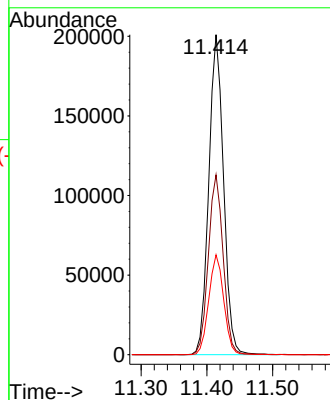
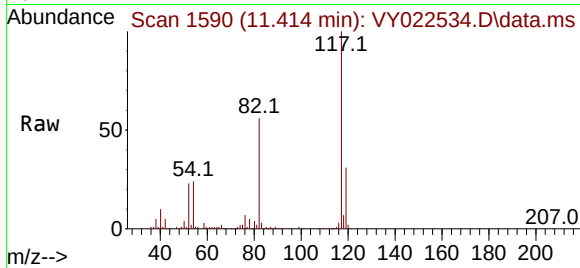




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB00

Tgt Ion:117 Resp: 313918
Ion Ratio Lower Upper
117 100
82 56.2 44.6 66.8
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022534.D
Acq: 03 Jun 2025 19:42

Tgt Ion:152 Resp: 80935
Ion Ratio Lower Upper
152 100
115 57.7 28.9 86.7
150 157.2 0.0 349.6

