

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060325\
 Data File : VY022530.D
 Acq On : 03 Jun 2025 18:09
 Operator : SY/MD
 Sample : Q2176-05
 Misc : 5.85g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-28

Quant Time: Jun 04 04:16:33 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	287774	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	510573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	400841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	141621	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147241	45.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.500%
35) Dibromofluoromethane	7.634	113	148611	48.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.520%
50) Toluene-d8	10.103	98	614930	49.938	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.401	95	149582	40.770	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.540%

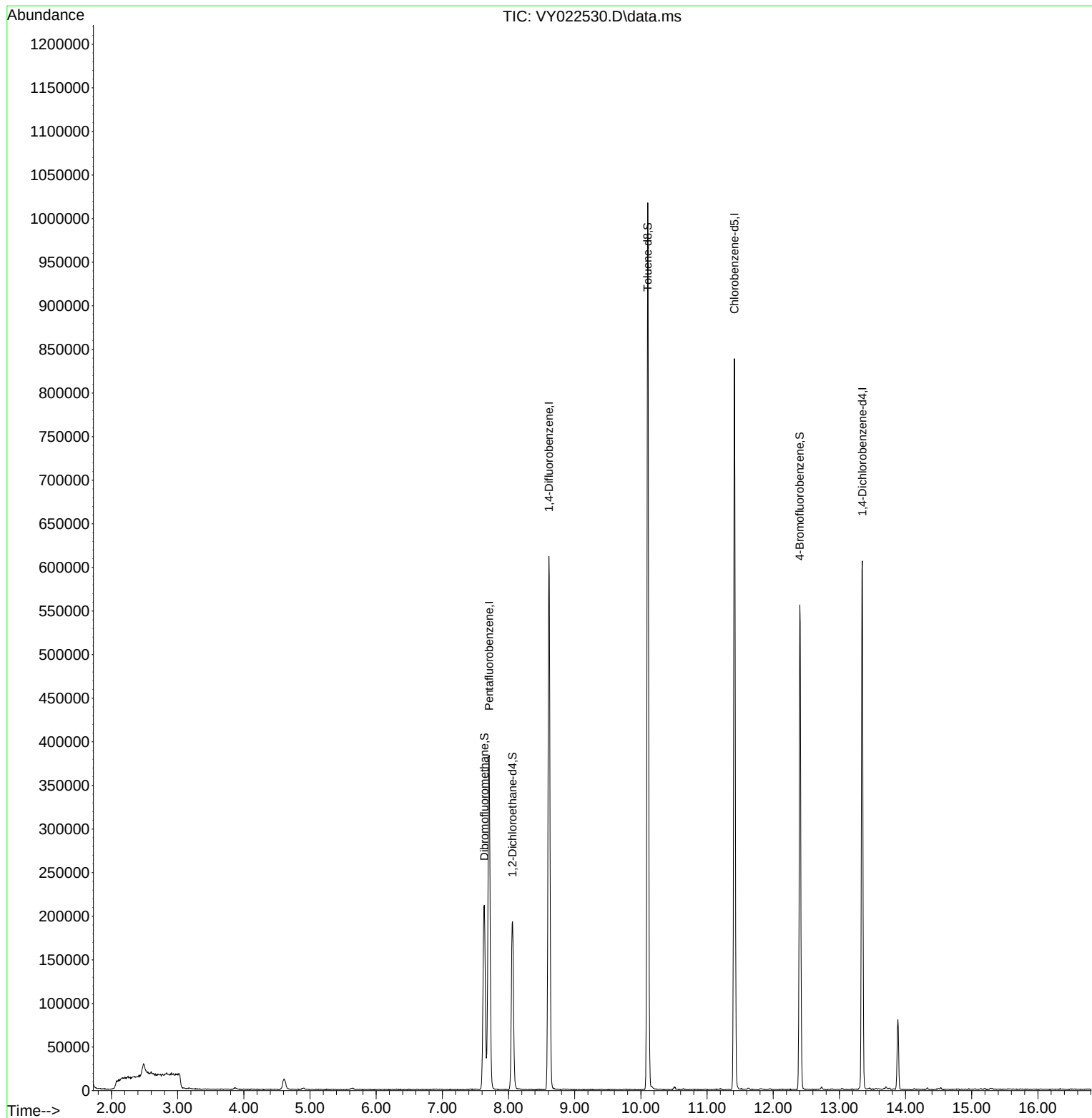
Target Compounds	Qvalue

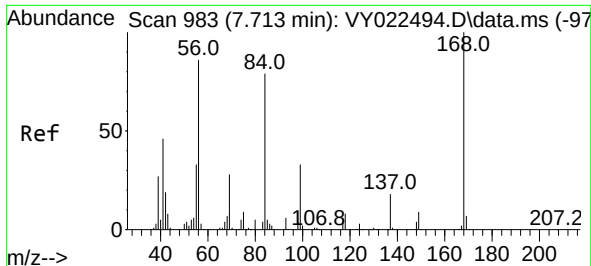
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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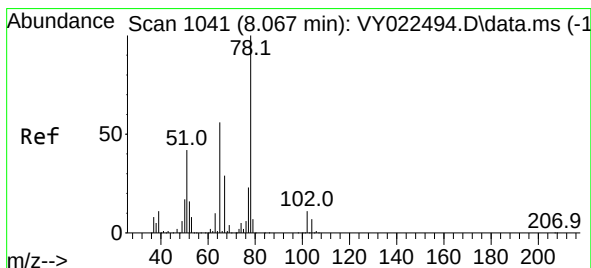
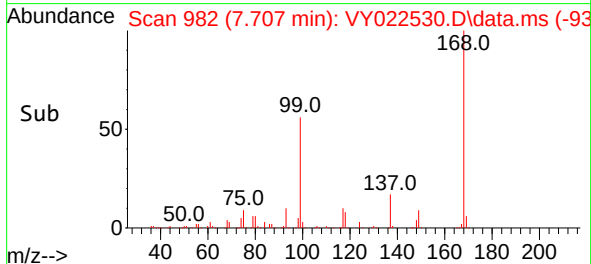
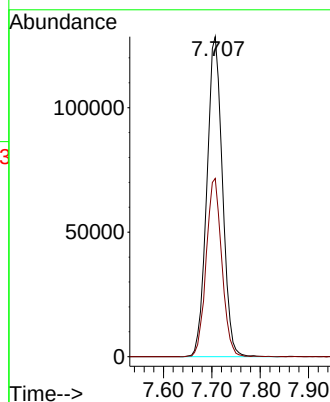
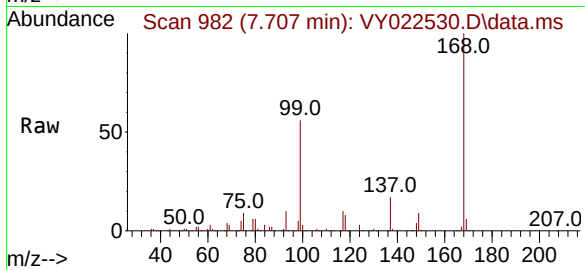




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

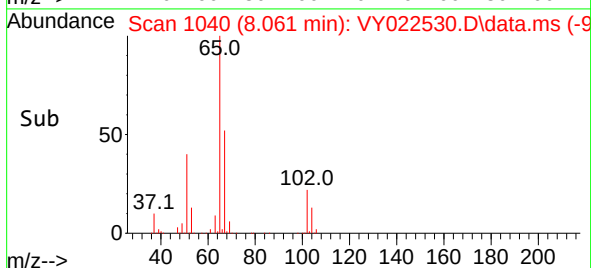
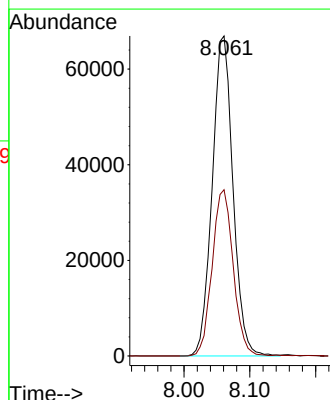
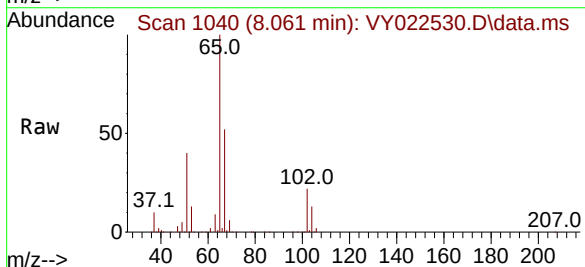
Instrument :
MSVOA_Y
ClientSampleId :
TP-28

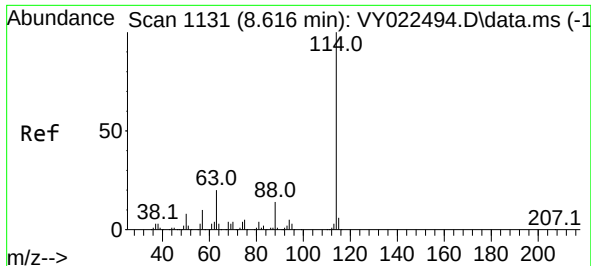
Tgt Ion:168 Resp: 287774
Ion Ratio Lower Upper
168 100
99 55.7 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 45.747 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion: 65 Resp: 147241
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

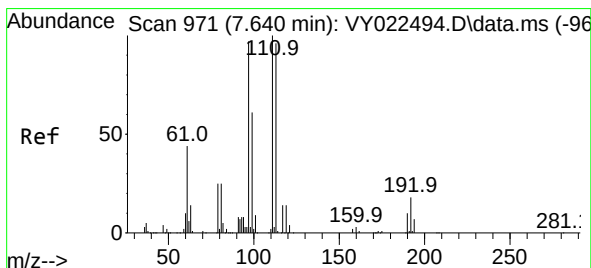
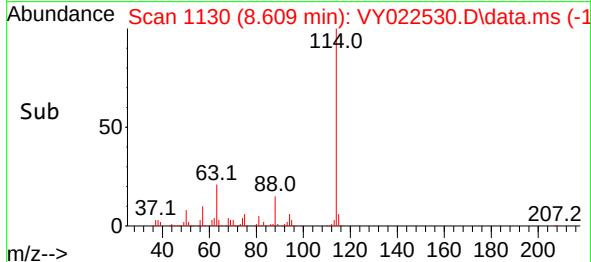
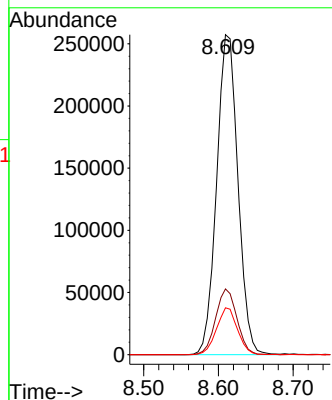
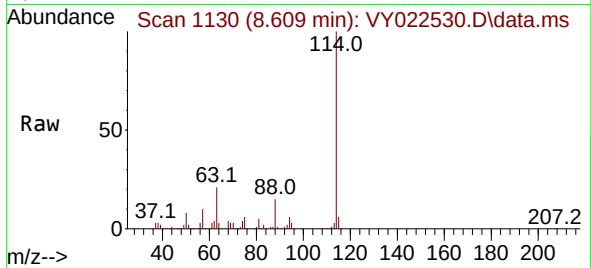




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

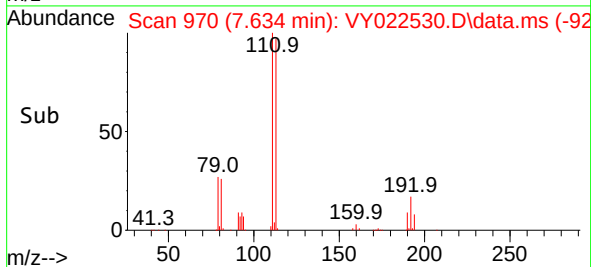
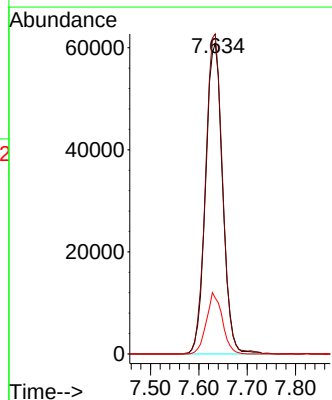
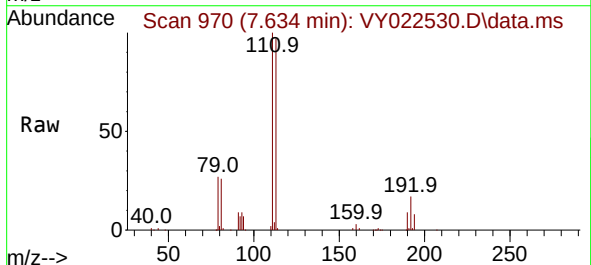
Instrument :
MSVOA_Y
ClientSampleId :
TP-28

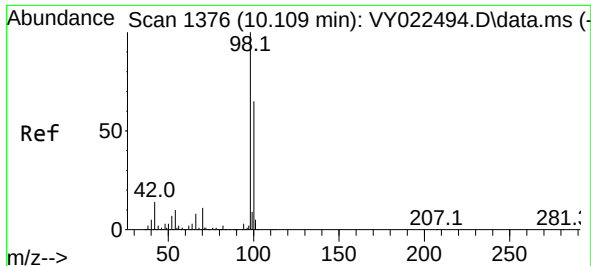
Tgt Ion:114	Resp: 510573
Ion Ratio	Lower Upper
114 100	
63 20.6	0.0 40.8
88 14.6	0.0 27.8



#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion:113	Resp: 148611
Ion Ratio	Lower Upper
113 100	
111 103.0	81.1 121.7
192 18.5	14.2 21.2

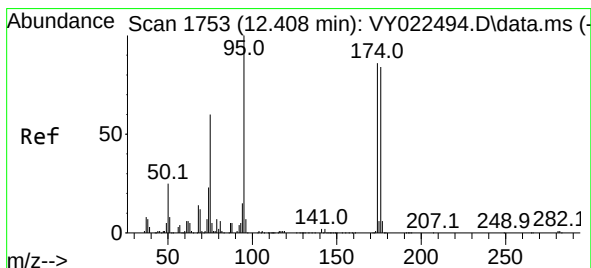
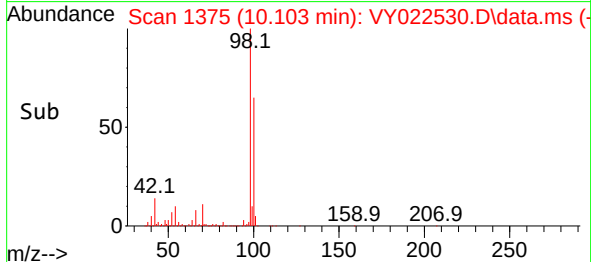
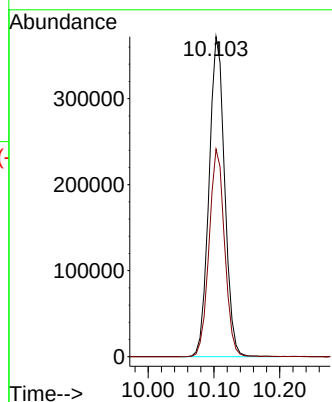
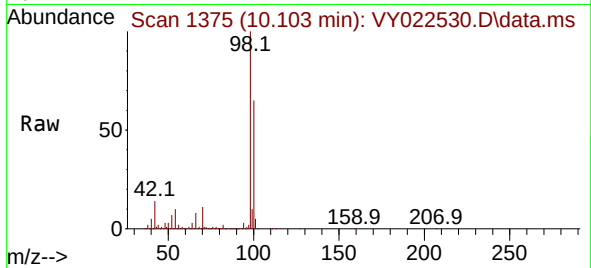




#50
Toluene-d8
Concen: 49.938 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

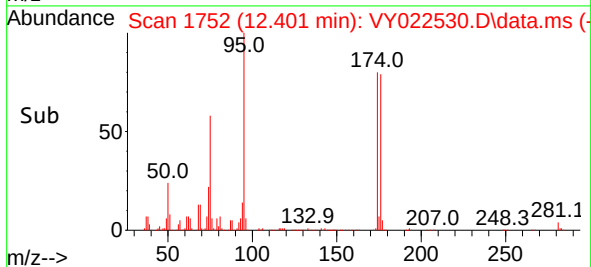
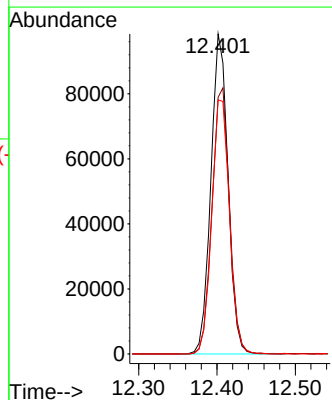
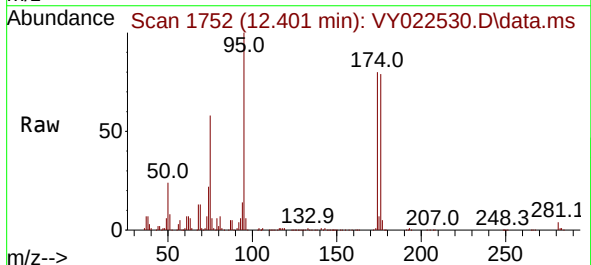
Instrument :
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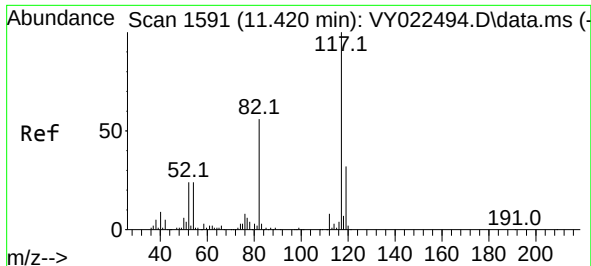
Tgt Ion: 98 Resp: 614930
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.770 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion: 95 Resp: 149582
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.0
176 82.0 0.0 166.2

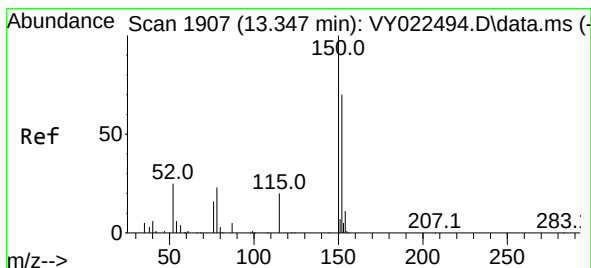
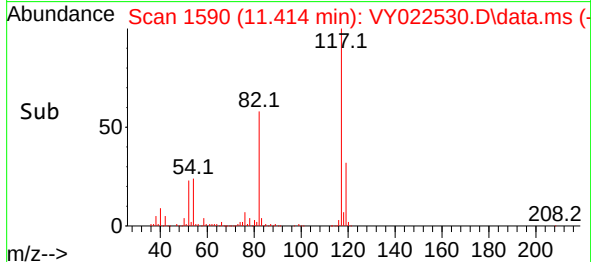
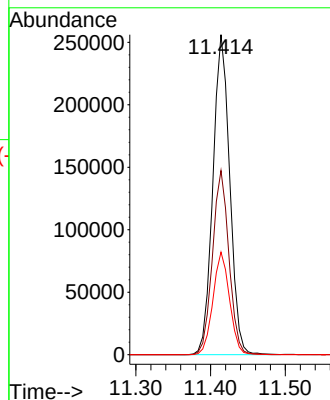
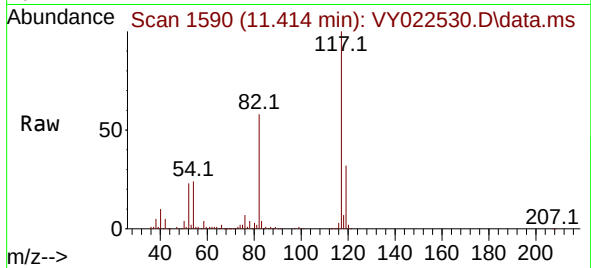




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022530.D
Acq: 03 Jun 2025 18:09

Instrument :
MSVOA_Y
ClientSampleId :
TP-28

Tgt Ion:117 Resp: 400841
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 32.1 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: VY022530.D
Acq: 03 Jun 2025 18:09

Tgt Ion:152 Resp: 141621
Ion Ratio Lower Upper
152 100
115 57.6 28.9 86.7
150 157.6 0.0 349.6

