

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022125.D
 Acq On : 02 May 2025 13:40
 Operator : SY/MD
 Sample : Q1932-01
 Misc : 4.94g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-4

Quant Time: May 03 02:50:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	372083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	691328	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	594050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	229079	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	174743	50.844	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.680%
35) Dibromofluoromethane	7.634	113	223937	49.031	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.103	98	810851	47.092	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.180%
62) 4-Bromofluorobenzene	12.408	95	231201	39.886	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.780%

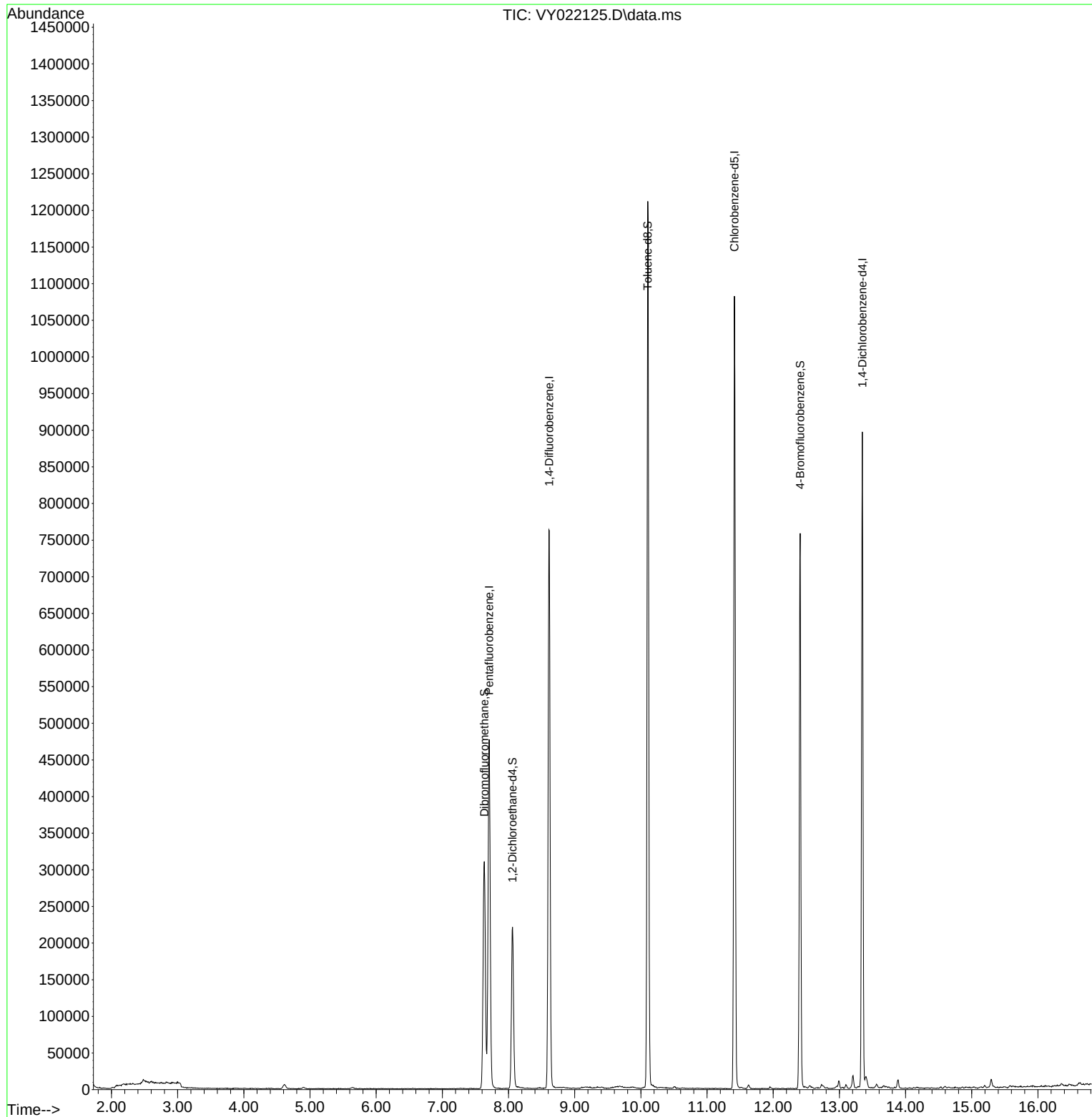
Target Compounds	Qvalue

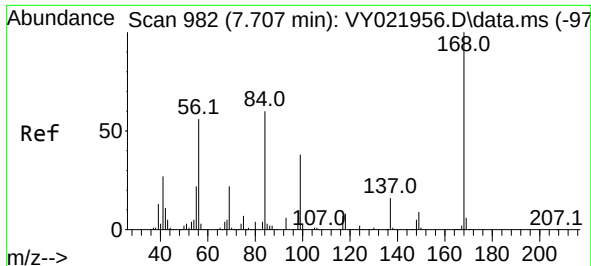
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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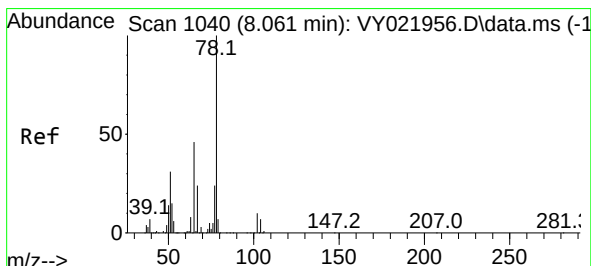
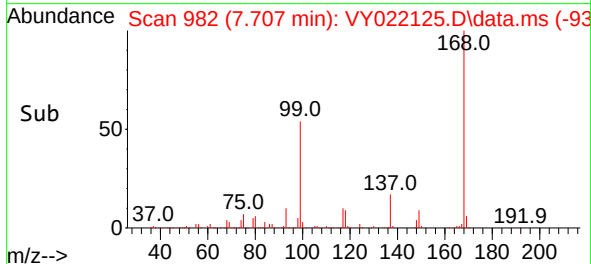
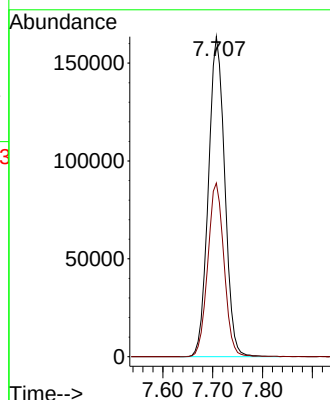
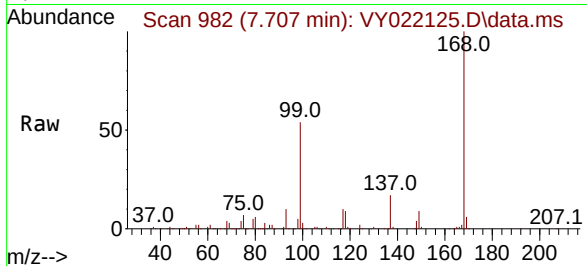




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022125.D
Acq: 02 May 2025 13:40

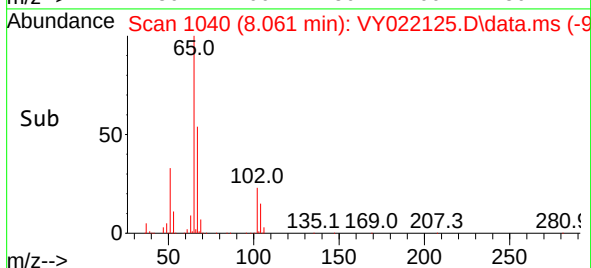
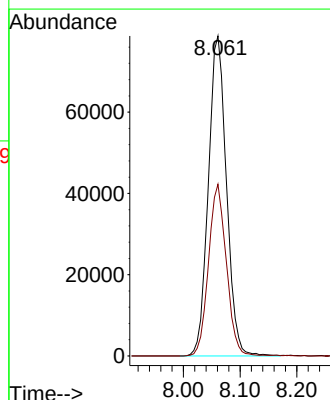
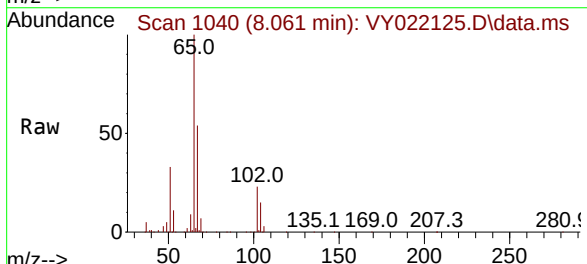
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

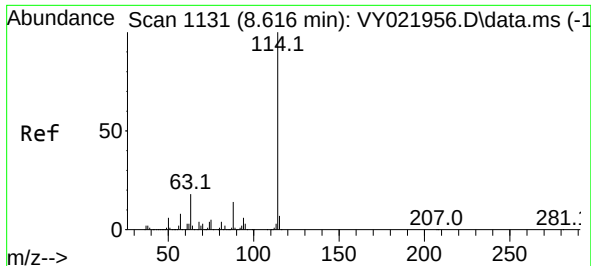
Tgt Ion:168 Resp: 372083
Ion Ratio Lower Upper
168 100
99 54.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 50.844 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022125.D
Acq: 02 May 2025 13:40

Tgt Ion: 65 Resp: 174743
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

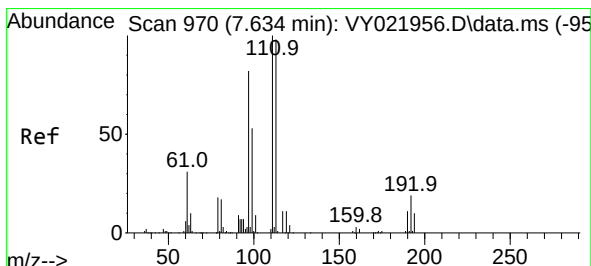
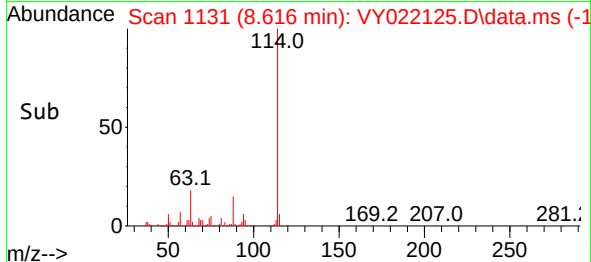
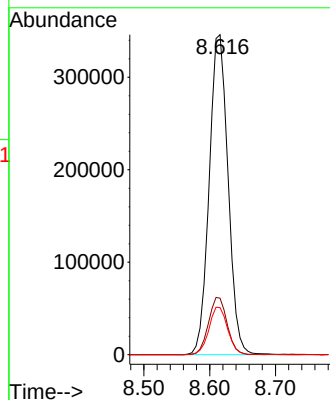
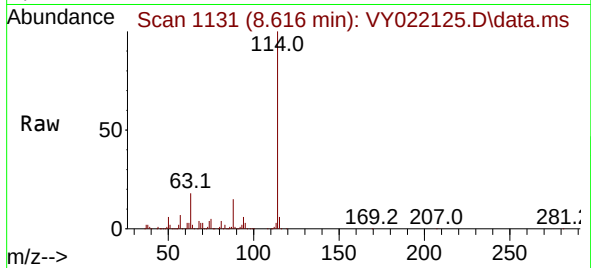




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022125.D
Acq: 02 May 2025 13:40

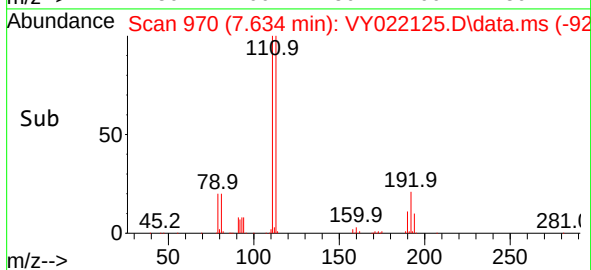
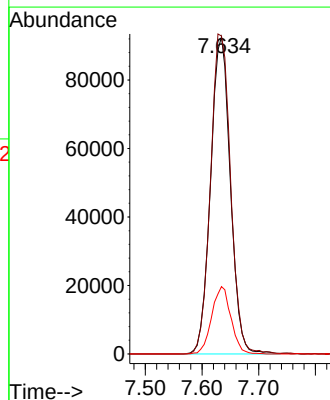
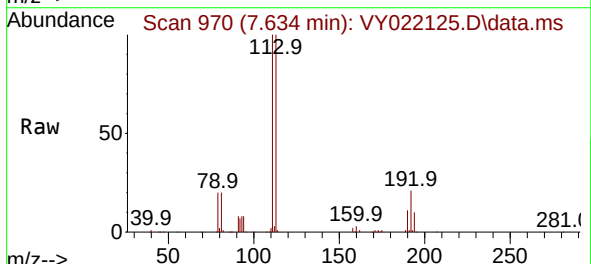
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

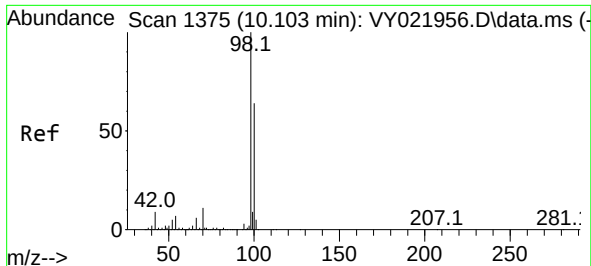
Tgt Ion:114 Resp: 691328
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.4
88 14.7 0.0 28.2



#35
Dibromofluoromethane
Concen: 49.031 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022125.D
Acq: 02 May 2025 13:40

Tgt Ion:113 Resp: 223937
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 20.7 15.6 23.4

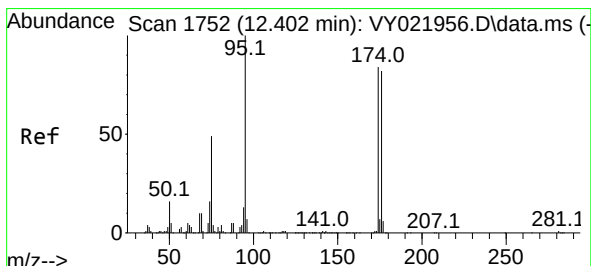
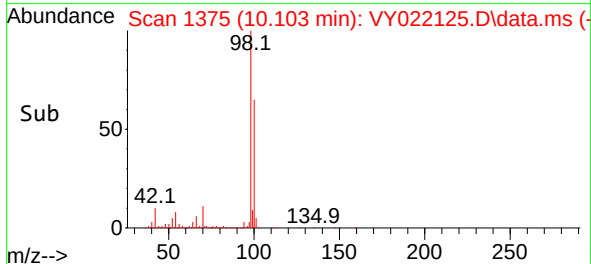
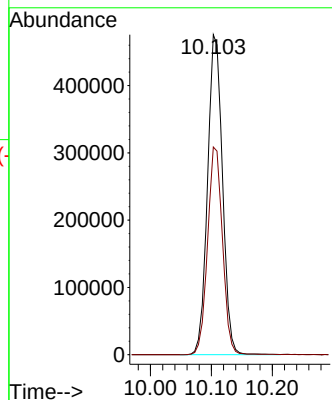
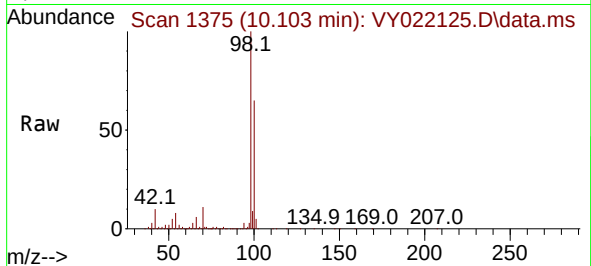




#50
Toluene-d8
Concen: 47.092 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022125.D
Acq: 02 May 2025 13:40

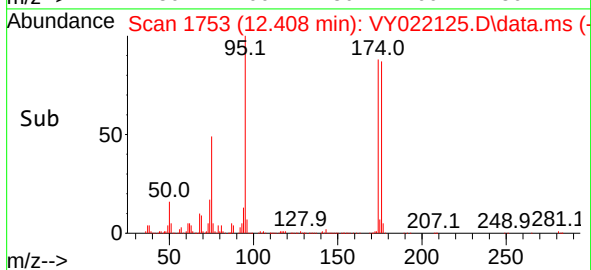
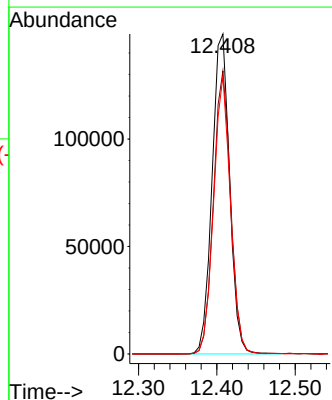
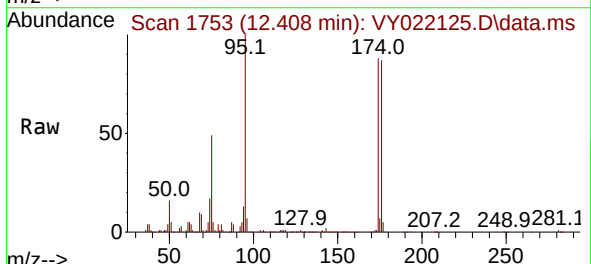
Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

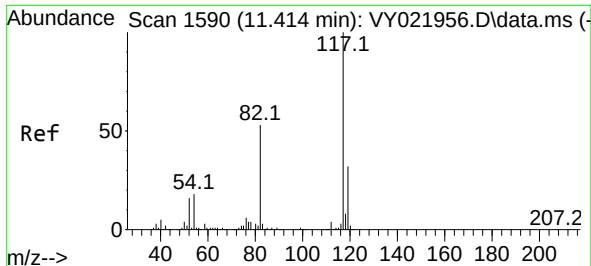
Tgt Ion: 98 Resp: 810851
Ion Ratio Lower Upper
98 100
100 64.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 39.886 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022125.D
Acq: 02 May 2025 13:40

Tgt Ion: 95 Resp: 231201
Ion Ratio Lower Upper
95 100
174 87.1 0.0 179.0
176 83.6 0.0 171.8

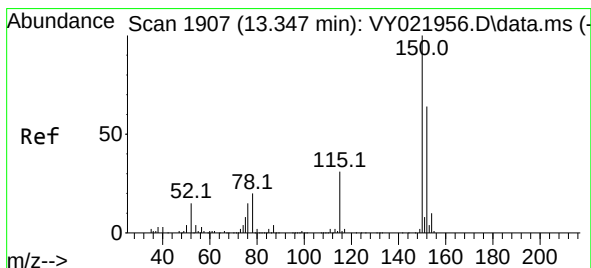
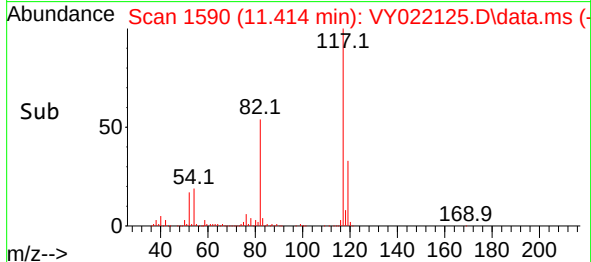
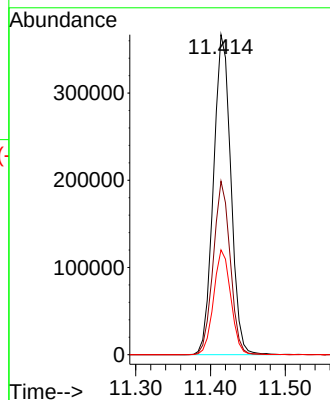
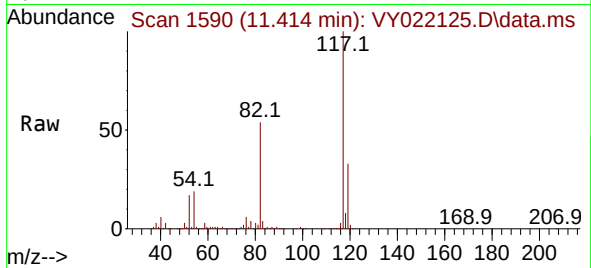




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY022125.D
Acq: 02 May 2025 13:40

Instrument :
MSVOA_Y
ClientSampleId :
COMP-4

Tgt Ion:117 Resp: 594050
Ion Ratio Lower Upper
117 100
82 54.2 42.1 63.1
119 32.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022125.D
Acq: 02 May 2025 13:40

Tgt Ion:152 Resp: 229079
Ion Ratio Lower Upper
152 100
115 58.0 28.0 84.0
150 157.3 0.0 345.6

