

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031425\
 Data File : VY021536.D
 Acq On : 14 Mar 2025 13:25
 Operator : SY/MD
 Sample : Q1566-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CTWK-COMP

Quant Time: Mar 15 02:02:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	233832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	434289	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	399077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	166640	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150648	60.955	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.900%
35) Dibromofluoromethane	7.634	113	148964	52.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.360%
50) Toluene-d8	10.103	98	534646	49.465	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.920%
62) 4-Bromofluorobenzene	12.408	95	175967	47.861	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.720%

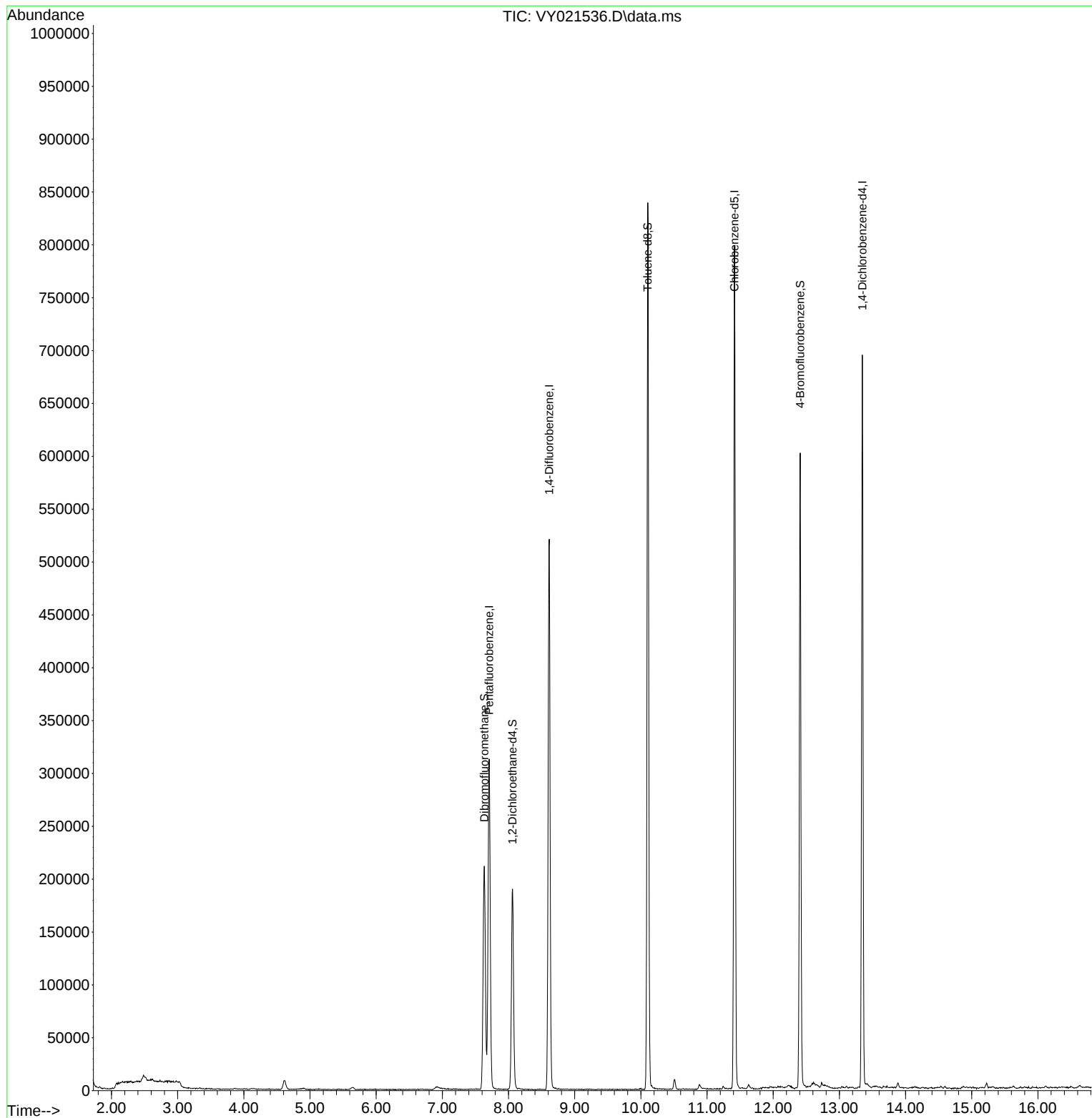
Target Compounds	Qvalue

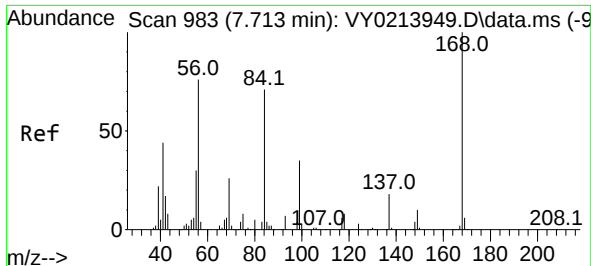
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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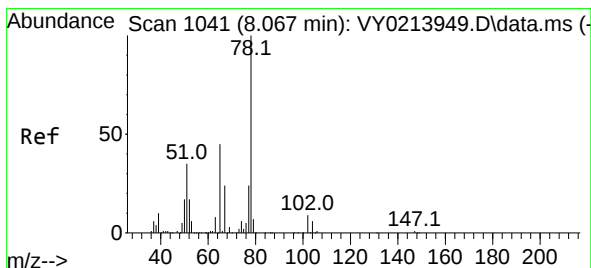
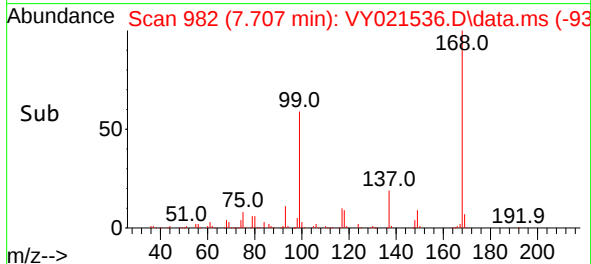
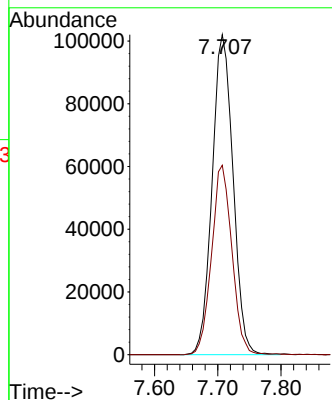
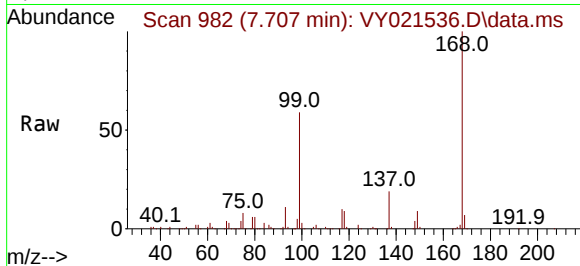




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021536.D
Acq: 14 Mar 2025 13:25

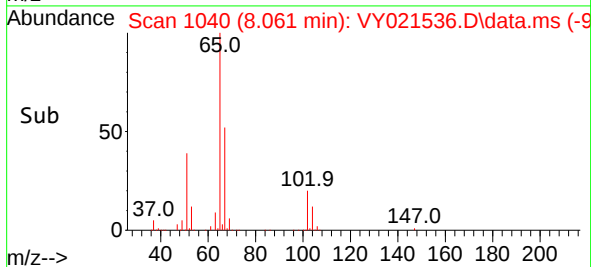
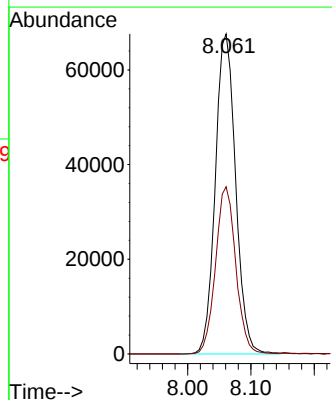
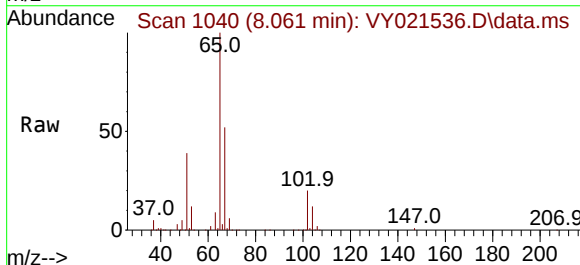
Instrument :
MSVOA_Y
ClientSampleId :
CTWK-COMP

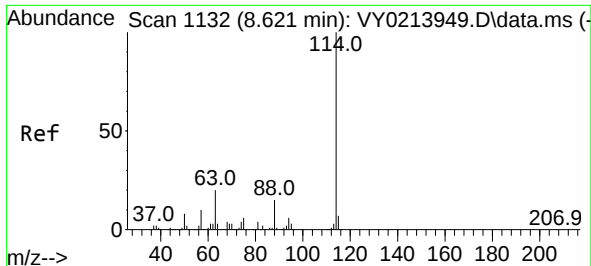
Tgt Ion:168 Resp: 233832
Ion Ratio Lower Upper
168 100
99 59.2 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 60.955 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021536.D
Acq: 14 Mar 2025 13:25

Tgt Ion: 65 Resp: 150648
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.8

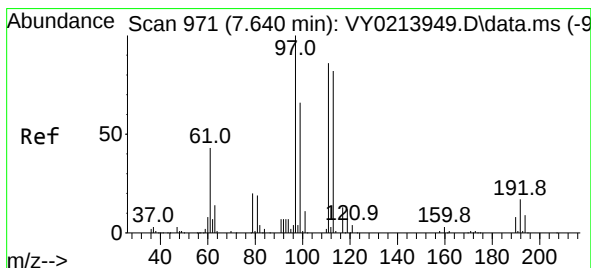
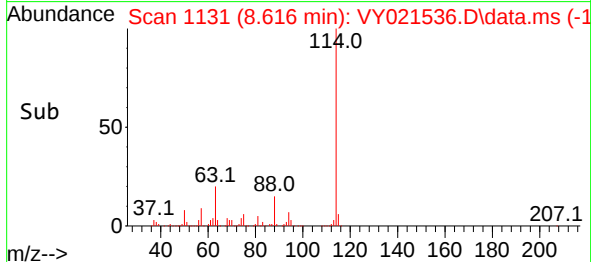
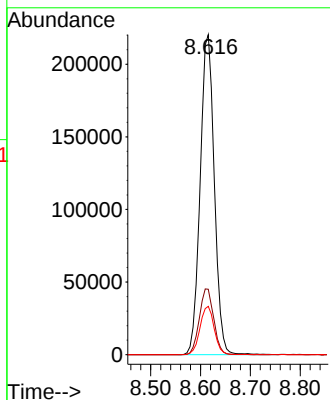
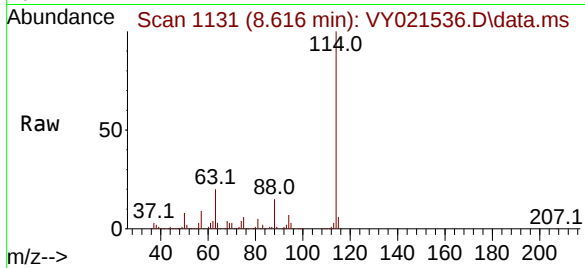




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021536.D
Acq: 14 Mar 2025 13:25

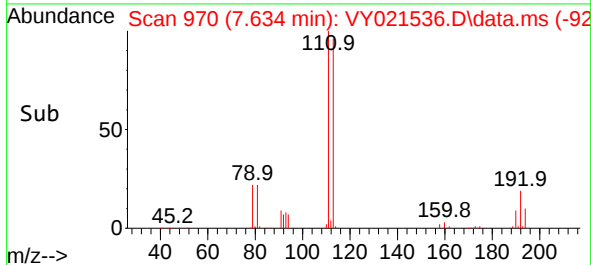
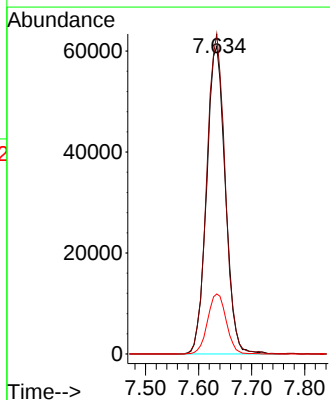
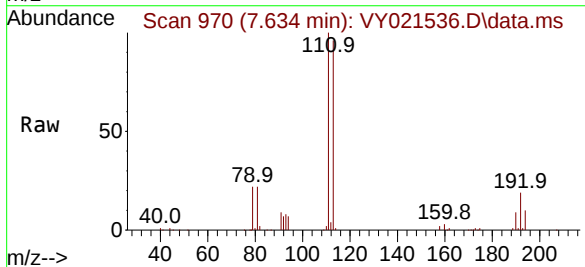
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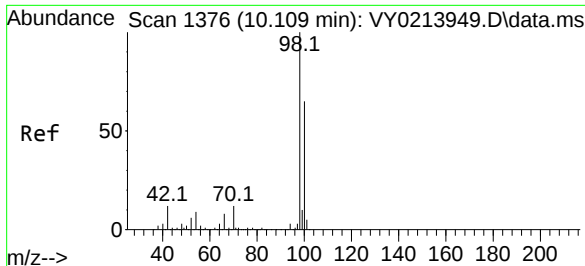
Tgt Ion:114 Resp: 434289
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.8
88 15.1 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.183 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021536.D
Acq: 14 Mar 2025 13:25

Tgt Ion:113 Resp: 148964
Ion Ratio Lower Upper
113 100
111 102.6 82.0 123.0
192 19.5 15.9 23.9

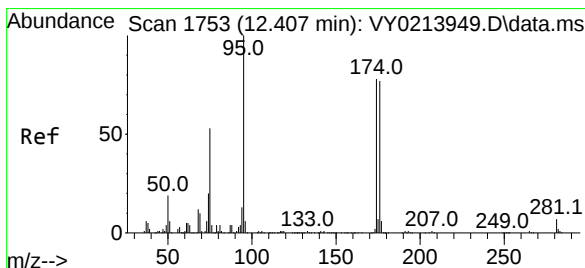
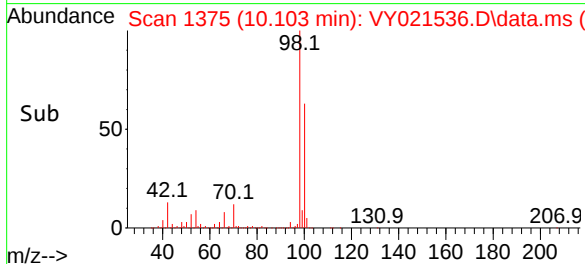
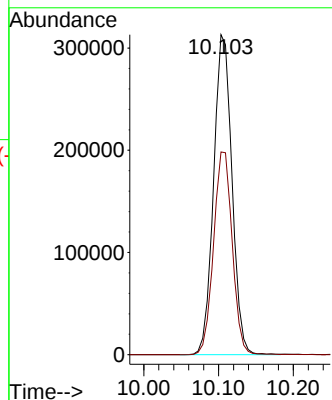
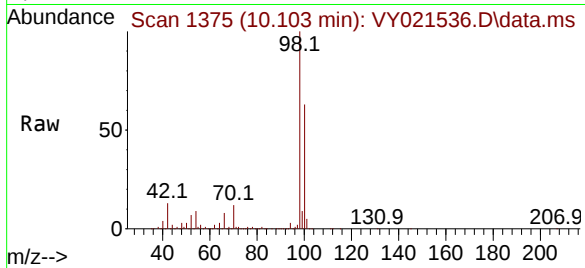




#50
Toluene-d8
Concen: 49.465 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021536.D
Acq: 14 Mar 2025 13:25

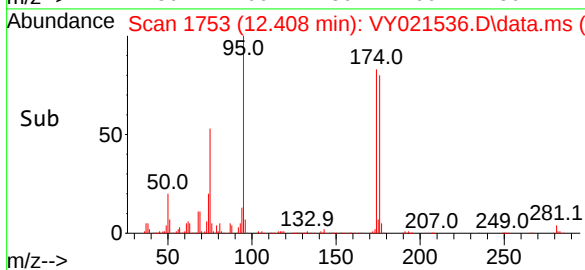
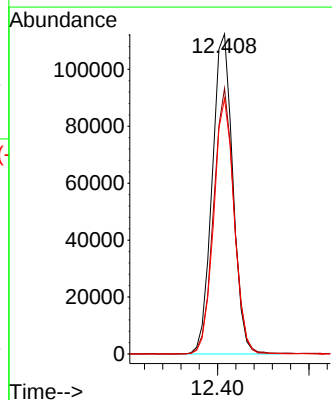
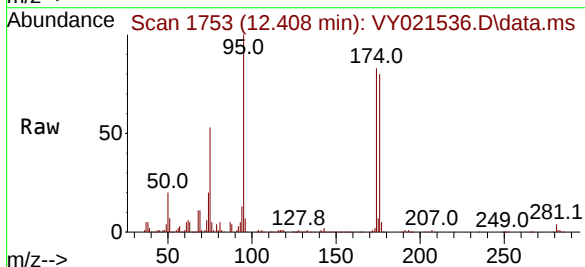
Instrument :
MSVOA_Y
ClientSampleId :
CTWK-COMP

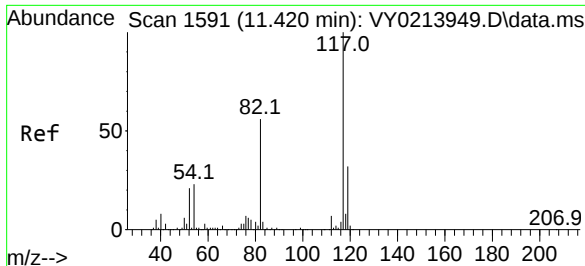
Tgt Ion: 98 Resp: 534646
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.861 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021536.D
Acq: 14 Mar 2025 13:25

Tgt Ion: 95 Resp: 175967
Ion Ratio Lower Upper
95 100
174 82.6 0.0 165.0
176 79.2 0.0 160.0

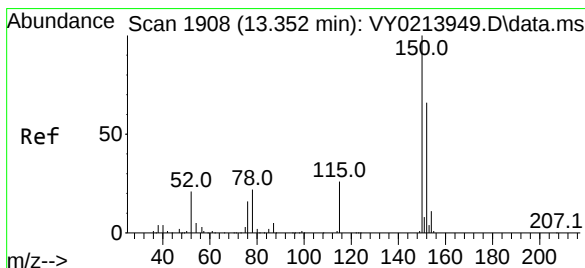
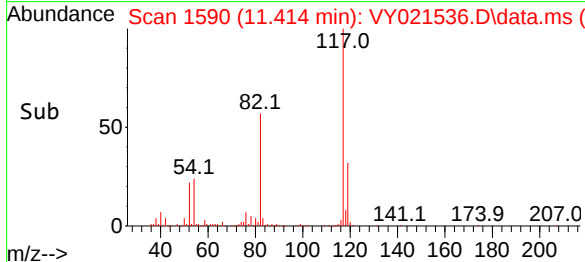
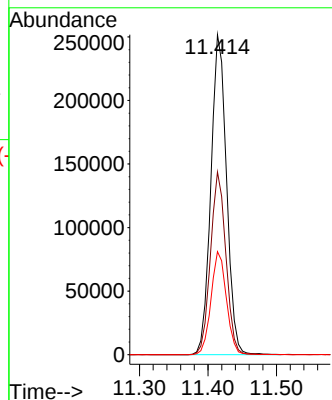
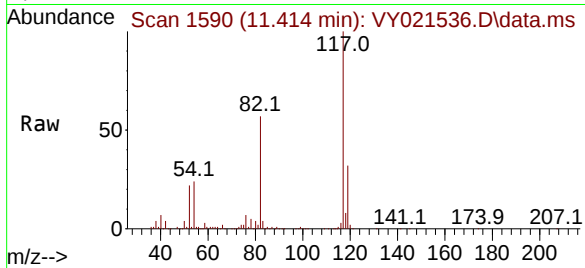




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021536.D
Acq: 14 Mar 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :
CTWK-COMP

Tgt Ion:117 Resp: 399077
Ion Ratio Lower Upper
117 100
82 57.1 44.6 67.0
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021536.D
Acq: 14 Mar 2025 13:25

Tgt Ion:152 Resp: 166640
Ion Ratio Lower Upper
152 100
115 59.5 29.0 87.0
150 156.5 0.0 347.2

