

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021458.D
 Acq On : 07 Mar 2025 14:05
 Operator : SY/MD
 Sample : Q1463-10
 Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T10

Quant Time: Mar 07 22:01:18 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	289637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	520171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	457030	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176291	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169958	55.518	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.040%
35) Dibromofluoromethane	7.634	113	173484	50.739	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.480%
50) Toluene-d8	10.109	98	622506	48.085	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.160%
62) 4-Bromofluorobenzene	12.408	95	189635	43.063	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.120%

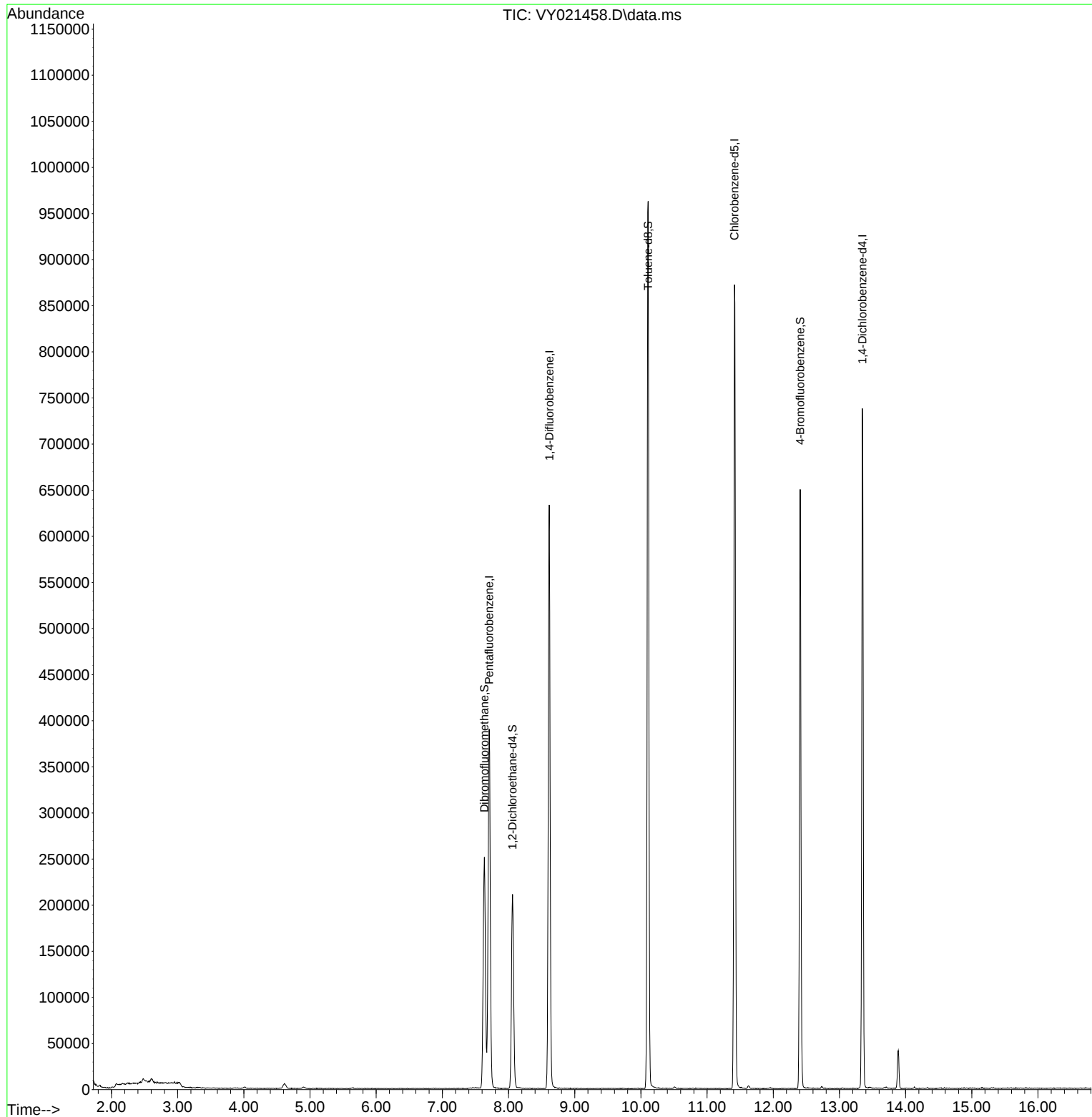
Target Compounds	Qvalue

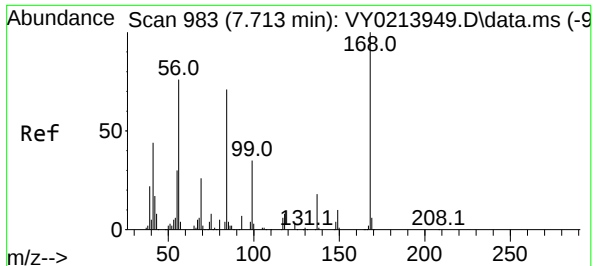
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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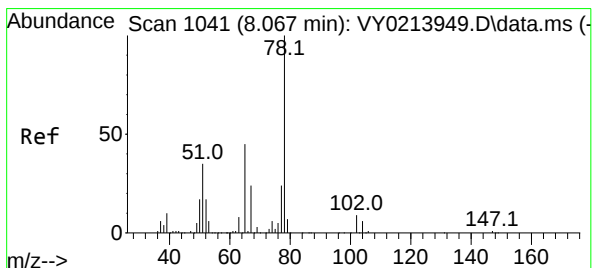
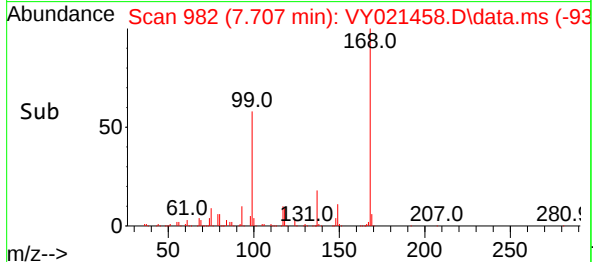
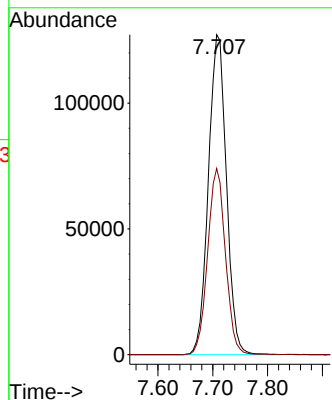
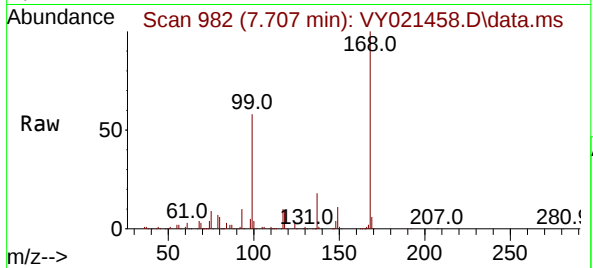




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021458.D
Acq: 07 Mar 2025 14:05

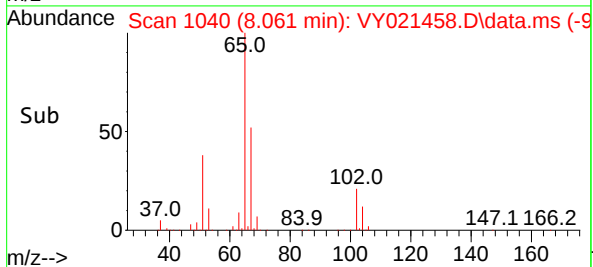
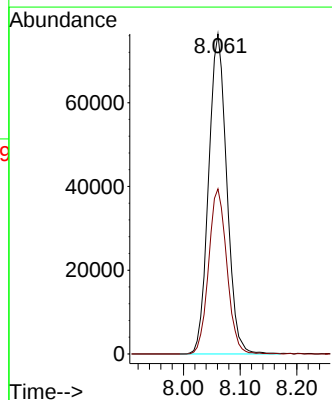
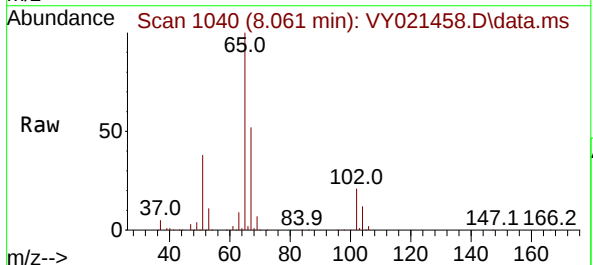
Instrument :
MSVOA_Y
ClientSampleId :
T10

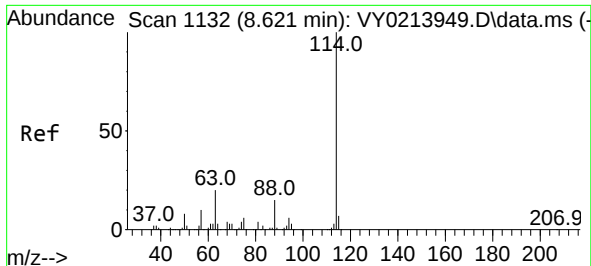
Tgt Ion:168 Resp: 289637
Ion Ratio Lower Upper
168 100
99 58.2 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 55.518 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021458.D
Acq: 07 Mar 2025 14:05

Tgt Ion: 65 Resp: 169958
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.8

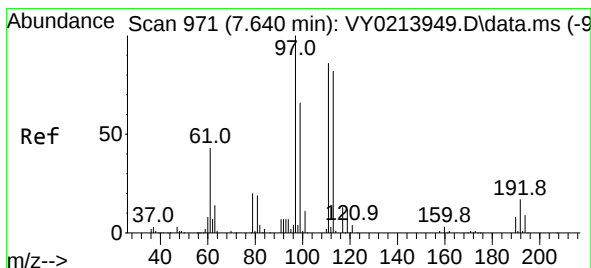
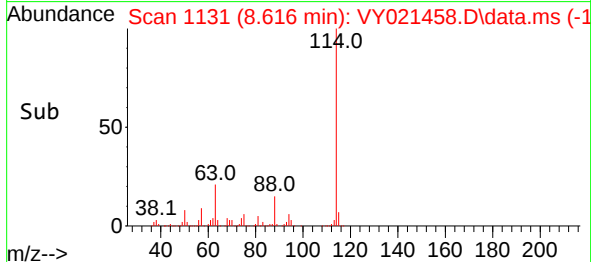
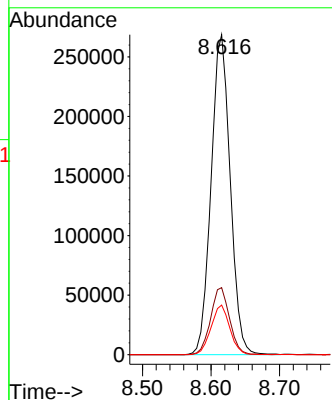
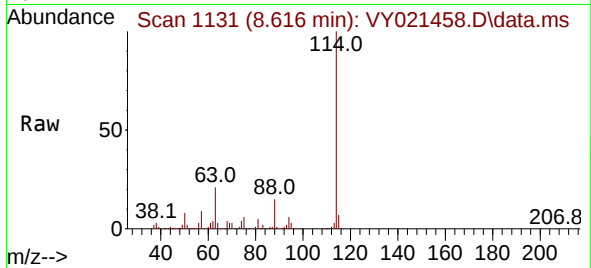




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021458.D
Acq: 07 Mar 2025 14:05

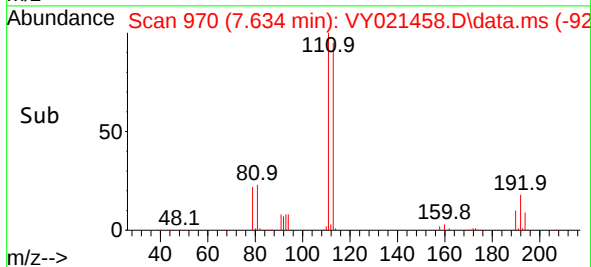
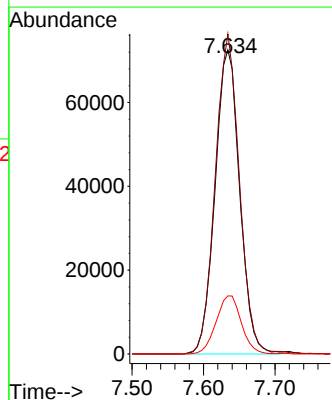
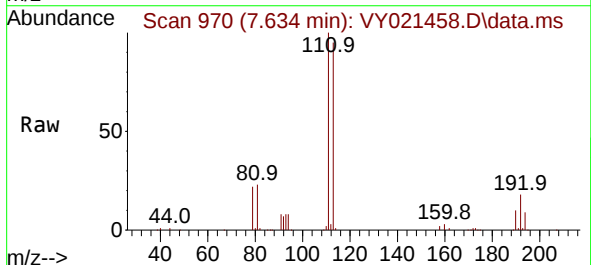
Instrument :
MSVOA_Y
ClientSampleId :
T10

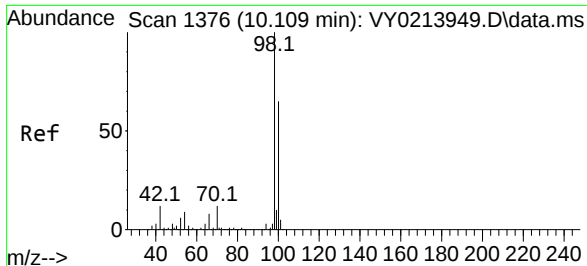
Tgt Ion:114 Resp: 520171
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 15.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 50.739 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021458.D
Acq: 07 Mar 2025 14:05

Tgt Ion:113 Resp: 173484
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 19.6 15.9 23.9

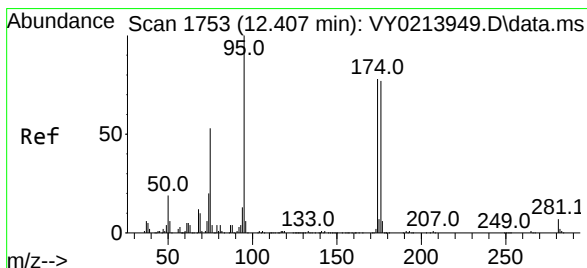
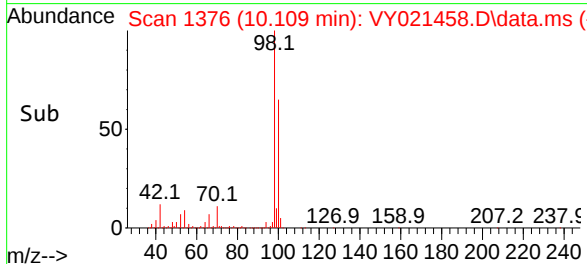
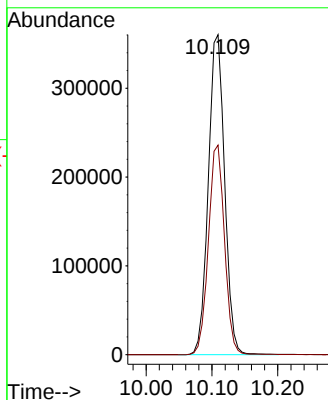
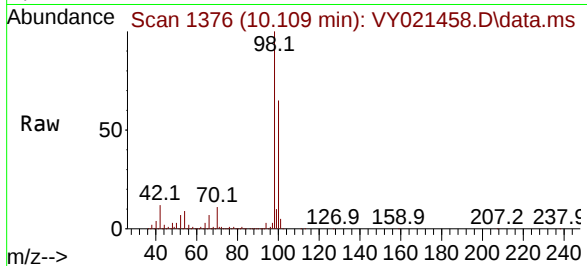




#50
Toluene-d8
Concen: 48.085 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021458.D
Acq: 07 Mar 2025 14:05

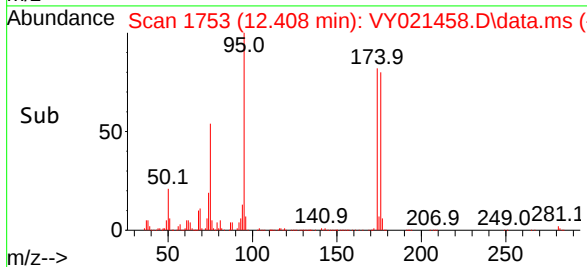
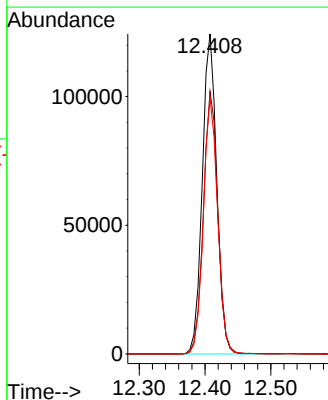
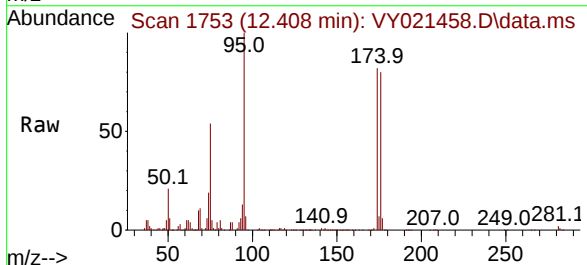
Instrument :
MSVOA_Y
ClientSampleId :
T10

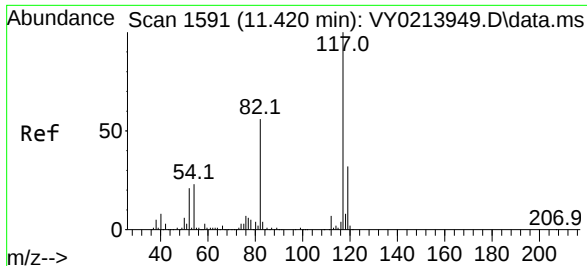
Tgt Ion: 98 Resp: 622506
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 43.063 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021458.D
Acq: 07 Mar 2025 14:05

Tgt Ion: 95 Resp: 189635
Ion Ratio Lower Upper
95 100
174 82.3 0.0 165.0
176 78.9 0.0 160.0

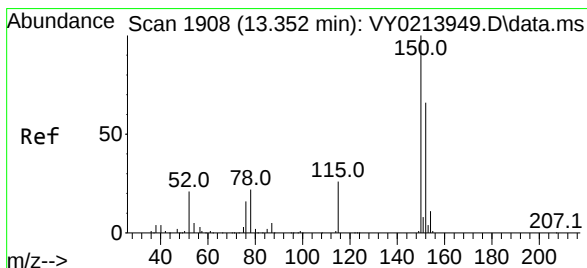
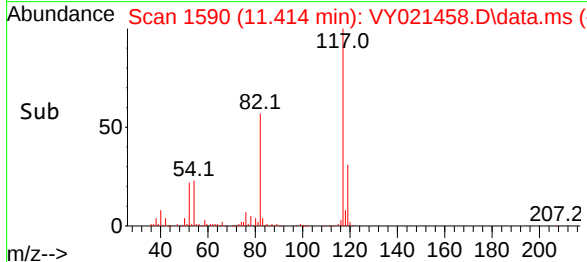
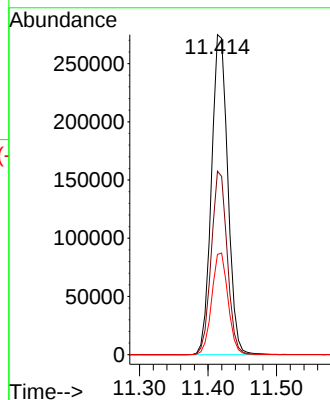
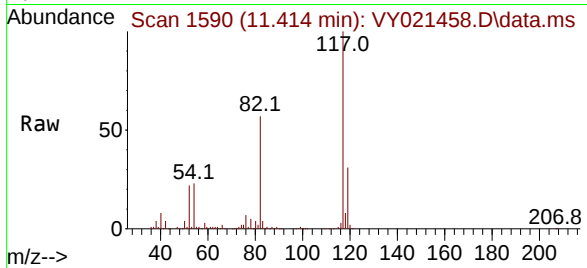




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021458.D
Acq: 07 Mar 2025 14:05

Instrument :
MSVOA_Y
ClientSampleId :
T10

Tgt Ion:117 Resp: 457030
Ion Ratio Lower Upper
117 100
82 57.3 44.6 67.0
119 31.3 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: VY021458.D
Acq: 07 Mar 2025 14:05

Tgt Ion:152 Resp: 176291
Ion Ratio Lower Upper
152 100
115 61.0 29.0 87.0
150 157.9 0.0 347.2

