

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041725\
 Data File : VY021912.D
 Acq On : 17 Apr 2025 15:39
 Operator : SY/MD
 Sample : Q1828-01
 Misc : 4.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT4643

Quant Time: Apr 18 04:00:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	225571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	421901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	354508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	128628	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119278	48.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.600%
35) Dibromofluoromethane	7.634	113	136161	49.752	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.500%
50) Toluene-d8	10.109	98	498529	47.882	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.760%
62) 4-Bromofluorobenzene	12.407	95	135651	38.519	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.040%

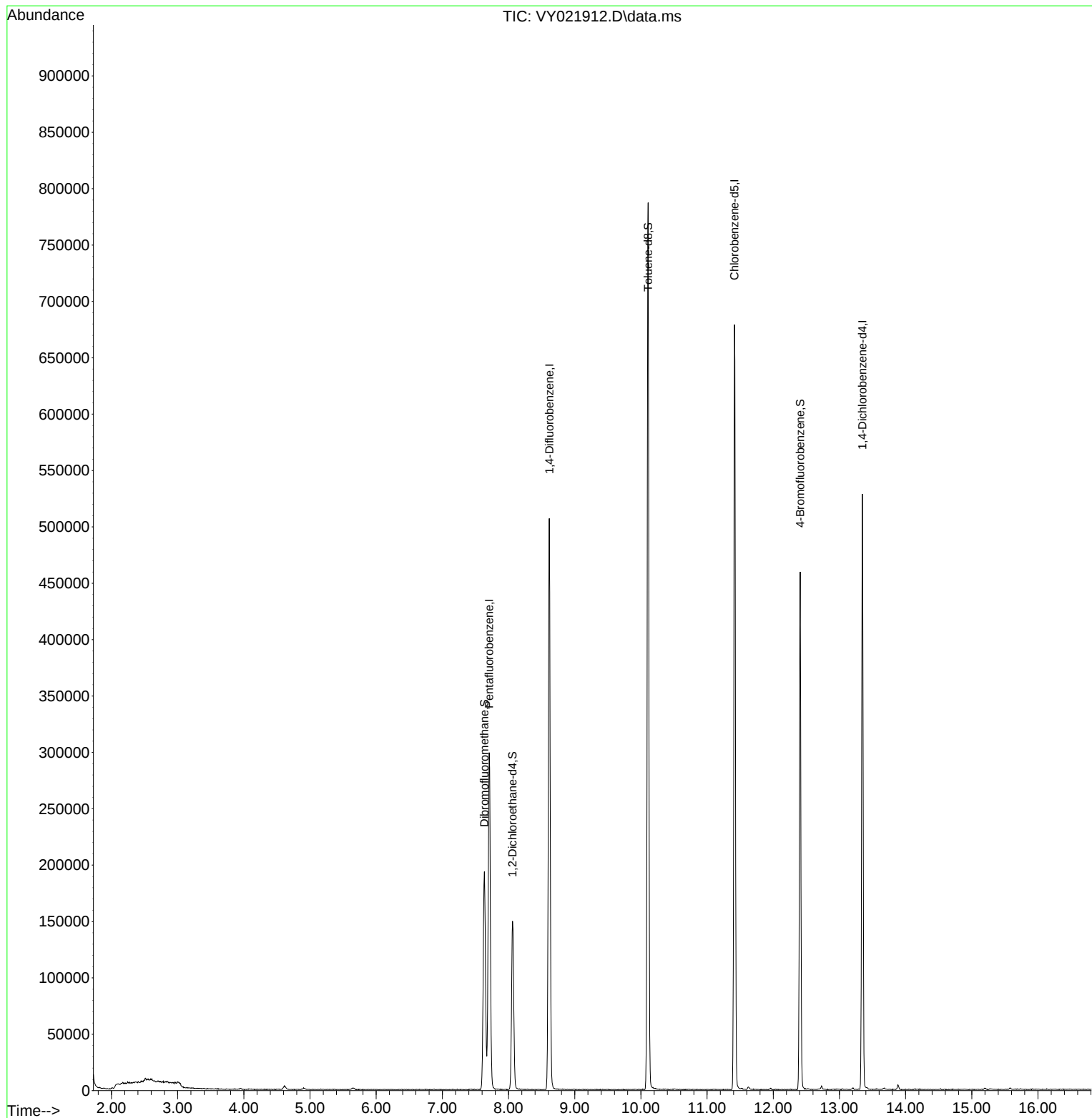
Target Compounds	Qvalue

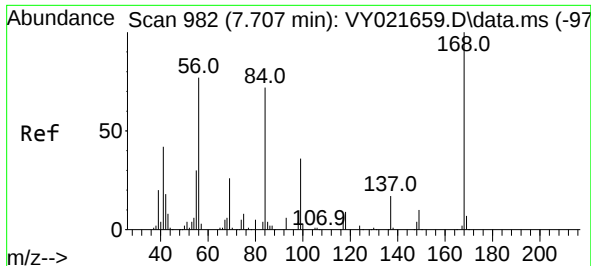
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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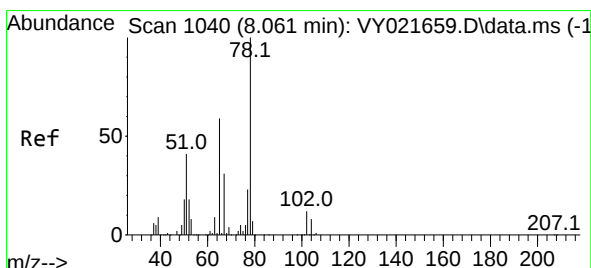
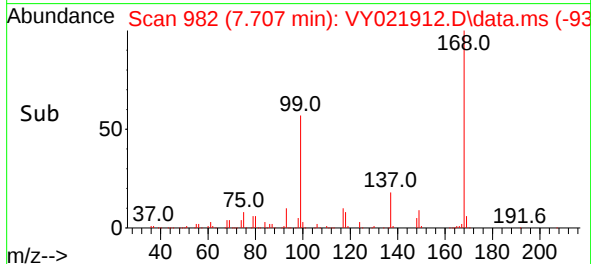
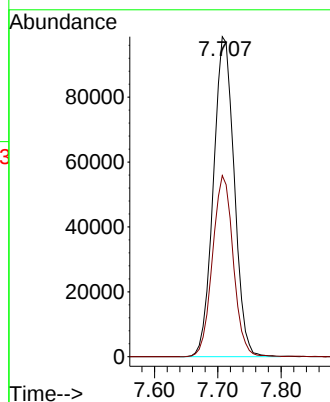
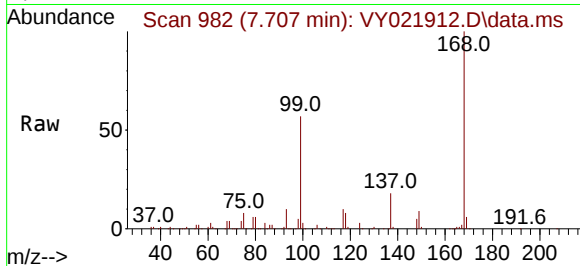




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

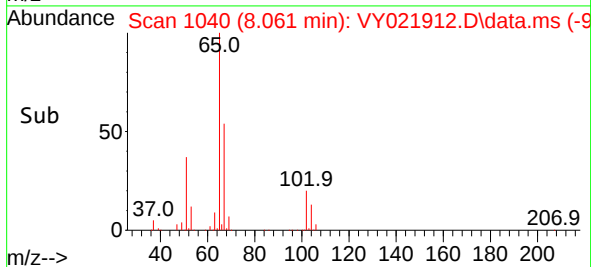
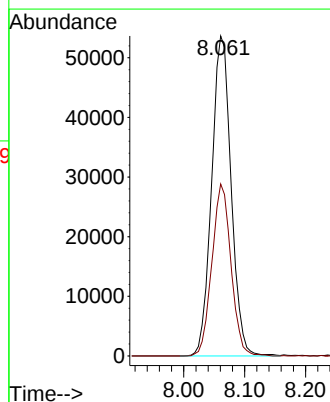
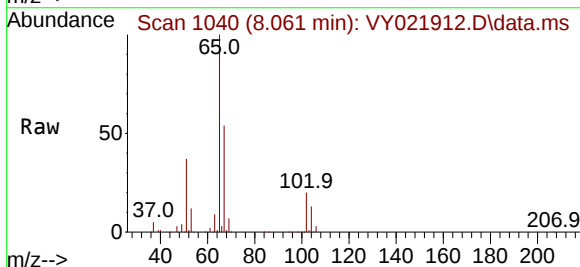
Instrument :
MSVOA_Y
ClientSampleId :
RT4643

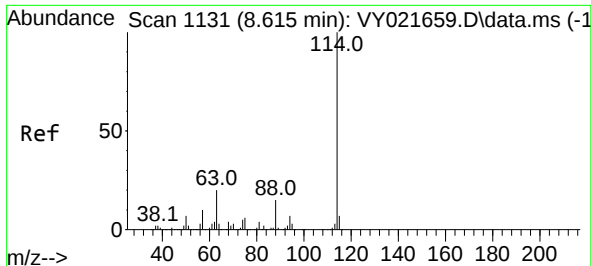
Tgt Ion:168 Resp: 225571
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 48.805 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Tgt Ion: 65 Resp: 119278
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6

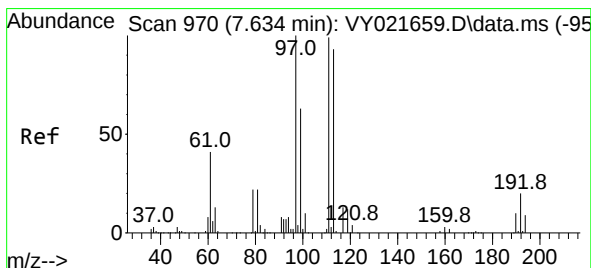
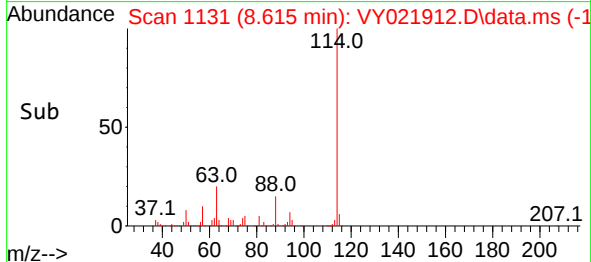
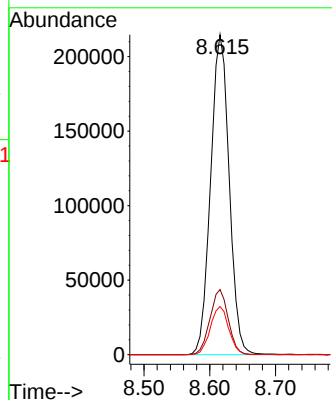
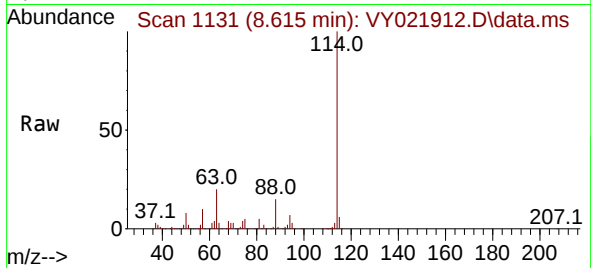




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

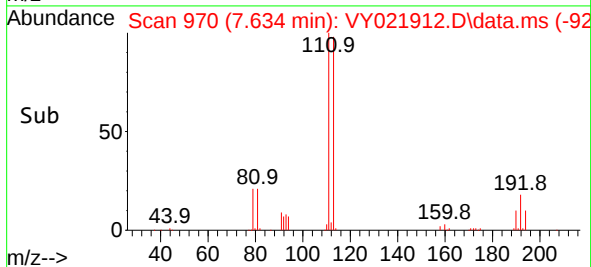
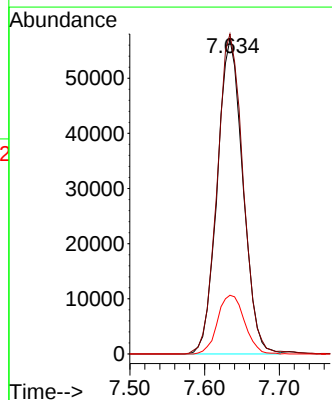
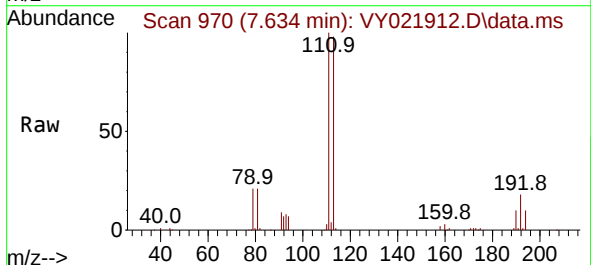
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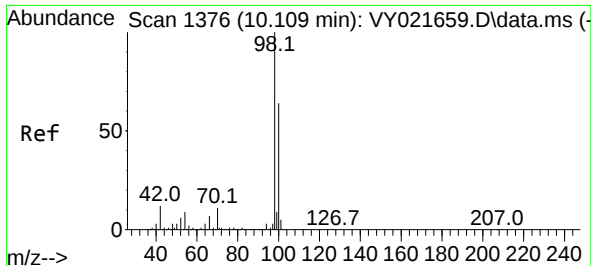
Tgt Ion:	114	Resp:	421901
Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.2
88	15.0	0.0	29.8



#35
Dibromofluoromethane
Concen: 49.752 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Tgt Ion:	113	Resp:	136161
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	19.6	16.2	24.4

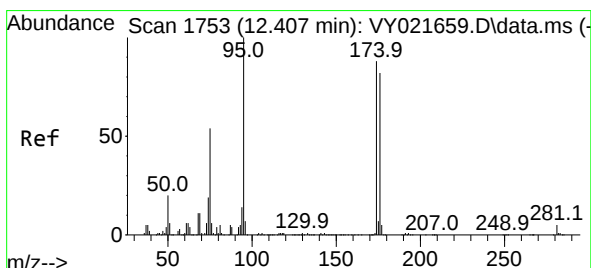
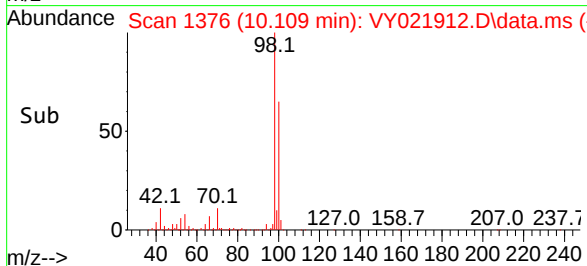
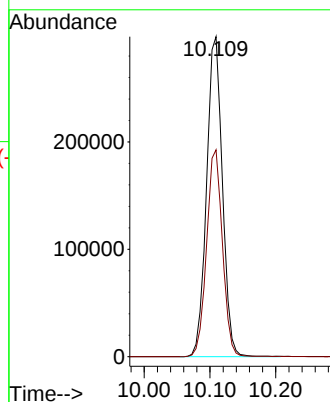
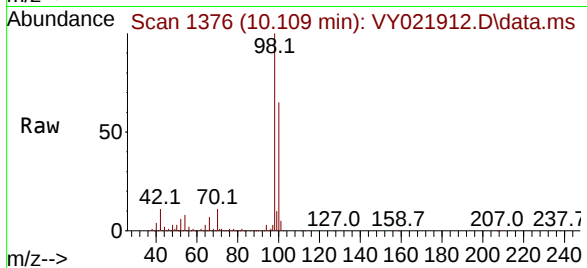




#50
Toluene-d8
Concen: 47.882 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

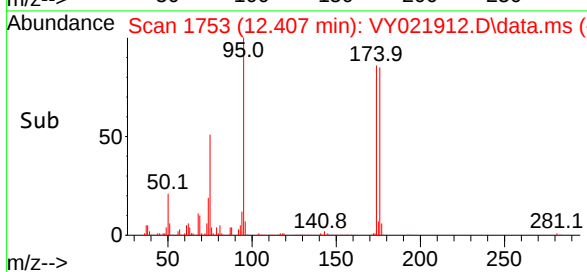
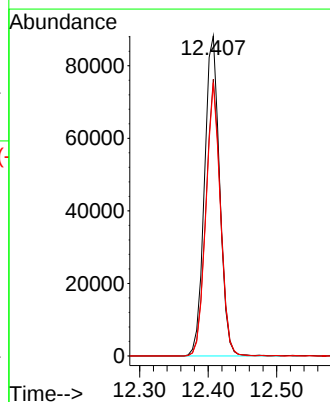
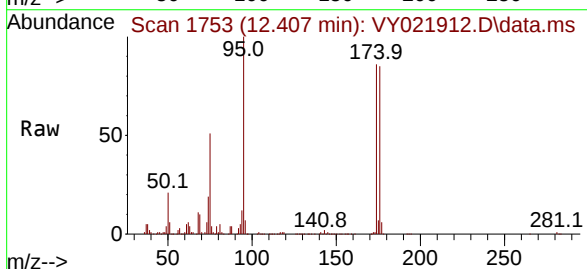
Instrument :
MSVOA_Y
ClientSampleId :
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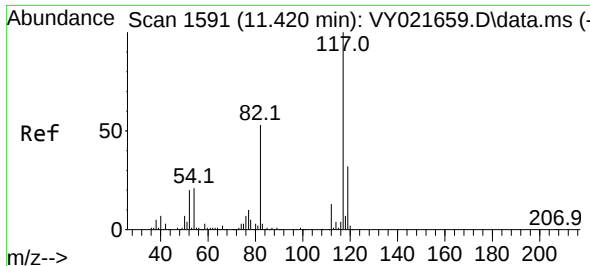
Tgt Ion: 98 Resp: 498529
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 38.519 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Tgt Ion: 95 Resp: 135651
Ion Ratio Lower Upper
95 100
174 83.5 0.0 170.8
176 81.0 0.0 162.0

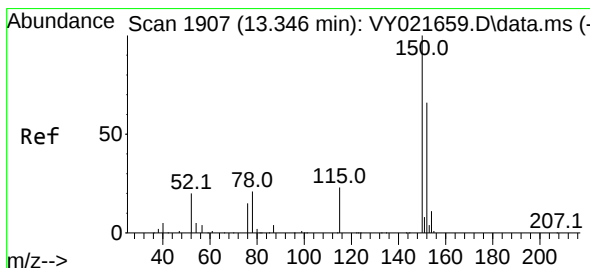
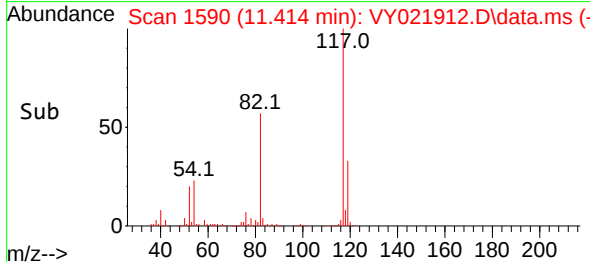
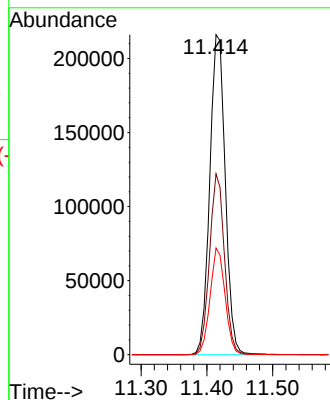
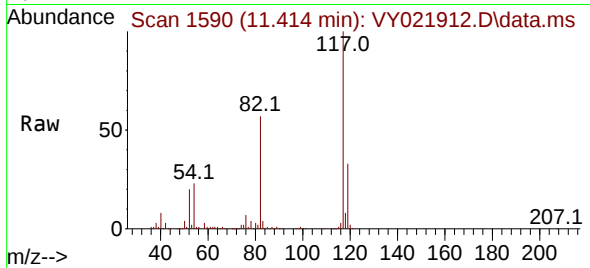




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Instrument :
MSVOA_Y
ClientSampleId :
RT4643

Tgt Ion:117 Resp: 354508
Ion Ratio Lower Upper
117 100
82 56.5 42.8 64.2
119 33.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY021912.D
Acq: 17 Apr 2025 15:39

Tgt Ion:152 Resp: 128628
Ion Ratio Lower Upper
152 100
115 57.9 28.8 86.5
150 154.7 0.0 348.4

