

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042125\
 Data File : VY021942.D
 Acq On : 21 Apr 2025 12:47
 Operator : SY/MD
 Sample : Q1842-08
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-09

Quant Time: Apr 22 02:44:39 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	215244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	397511	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	351261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	134396	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122610	52.575	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.140%
35) Dibromofluoromethane	7.634	113	135220	52.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.880%
50) Toluene-d8	10.109	98	480889	49.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.040%
62) 4-Bromofluorobenzene	12.408	95	136032	40.997	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.000%

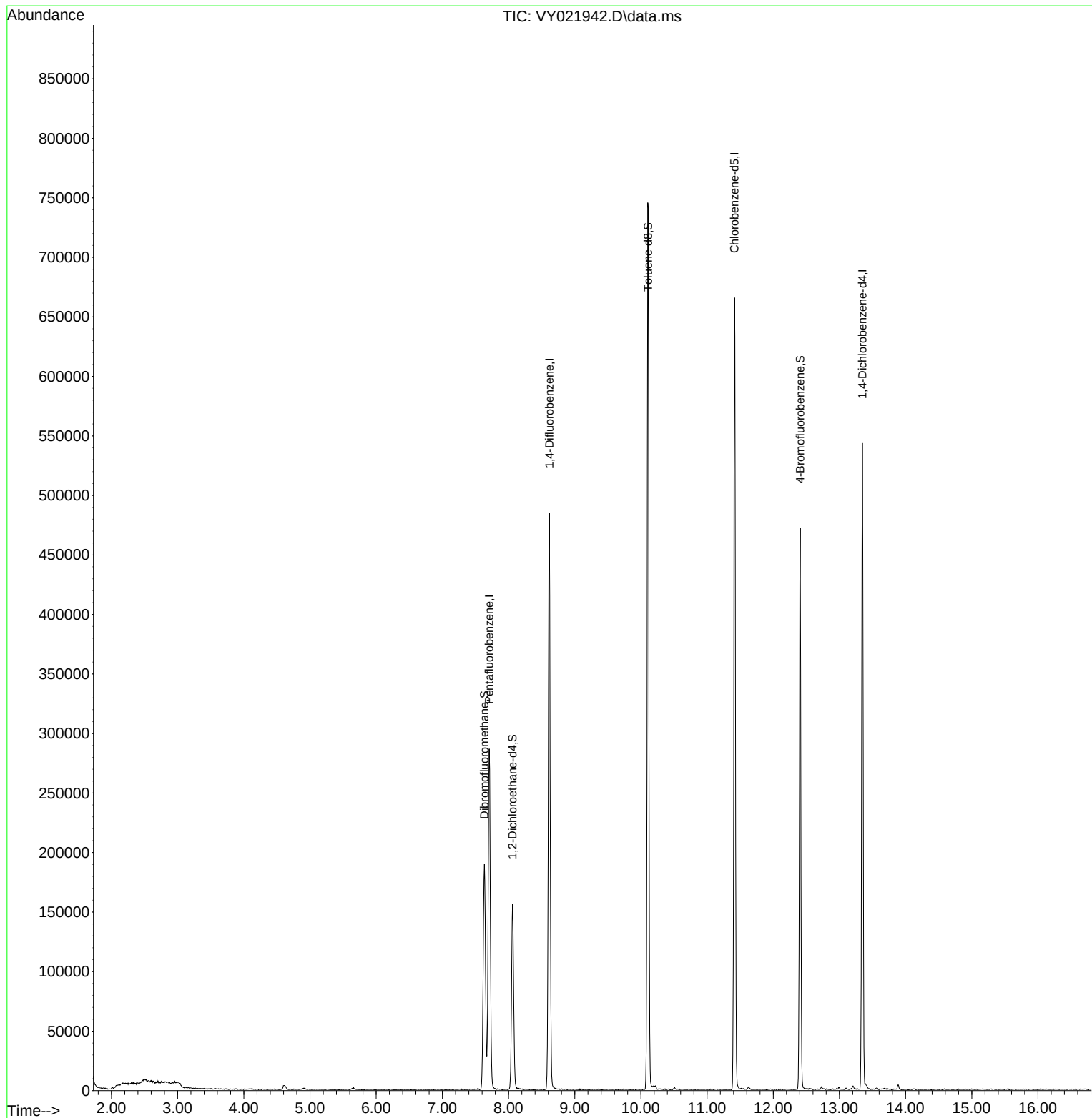
Target Compounds	Qvalue

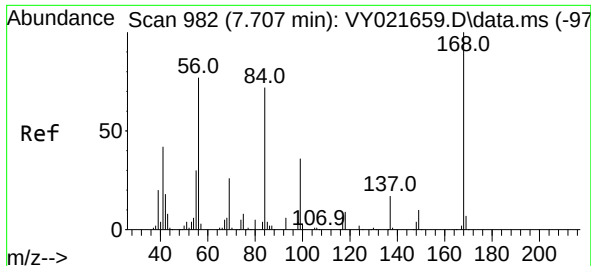
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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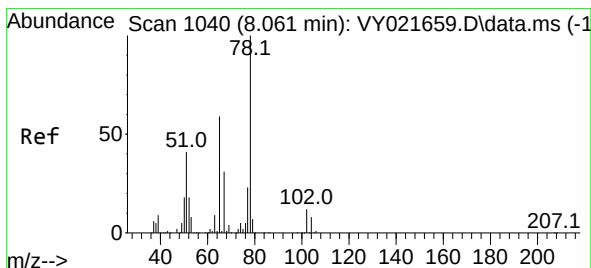
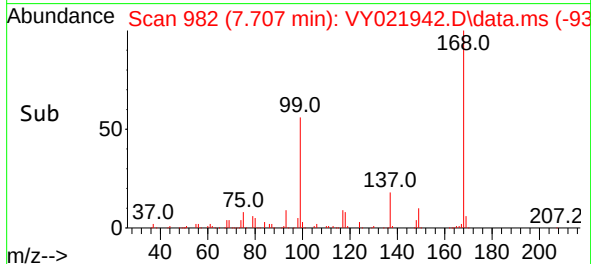
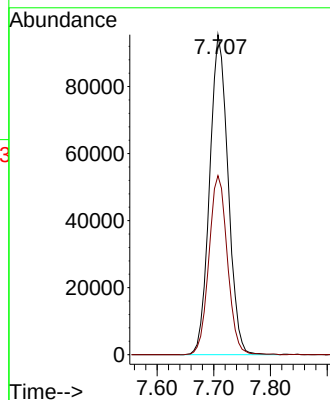
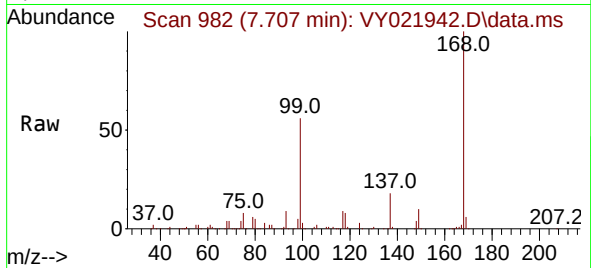




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

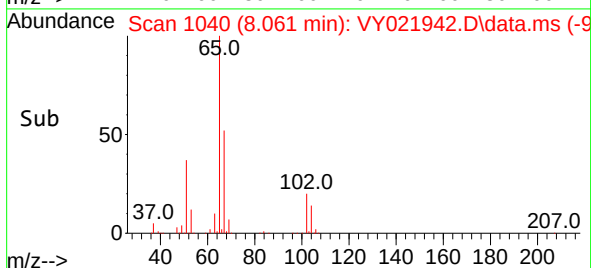
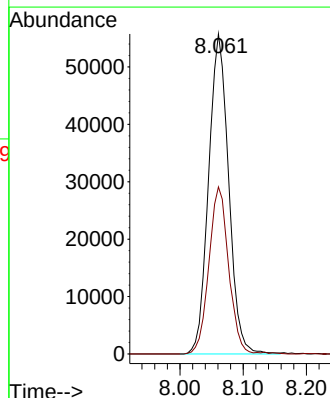
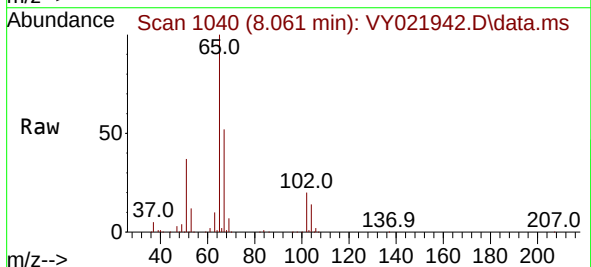
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-09

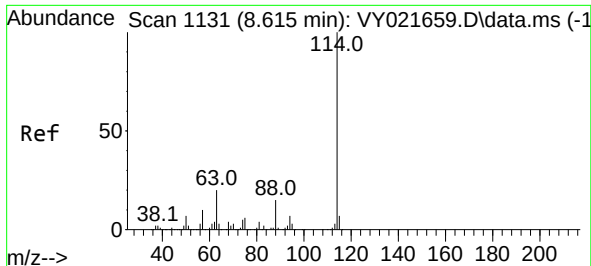
Tgt Ion:168 Resp: 215244
Ion Ratio Lower Upper
168 100
99 56.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 52.575 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Tgt Ion: 65 Resp: 122610
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.6

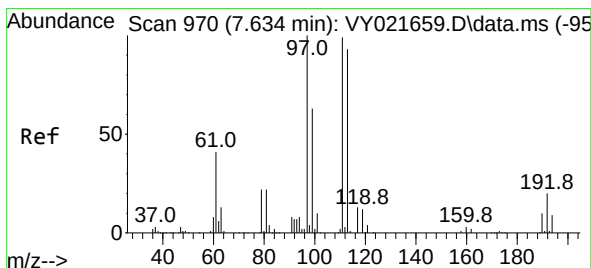
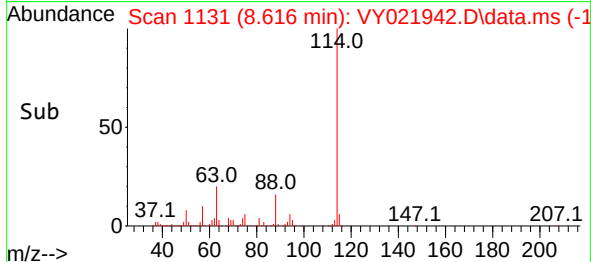
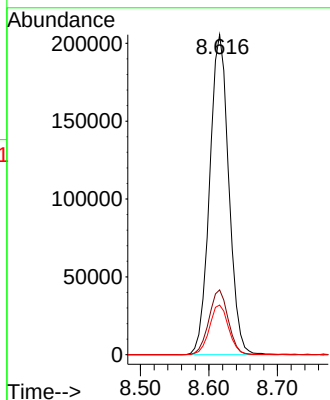
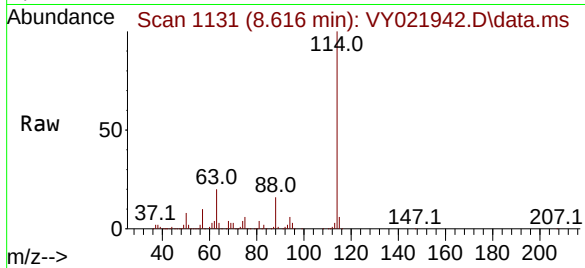




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

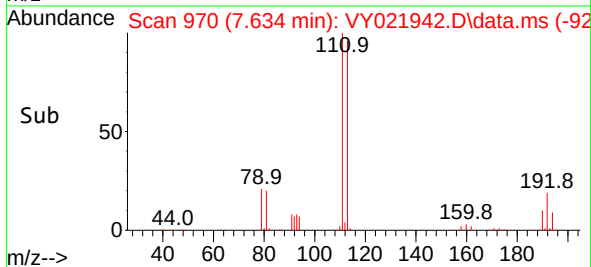
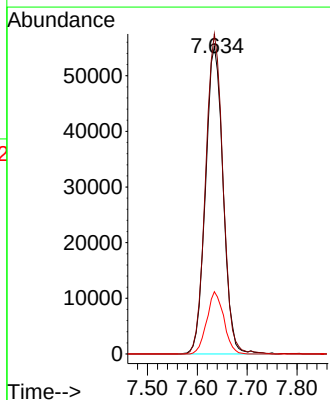
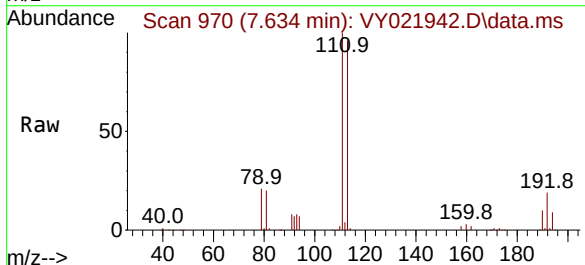
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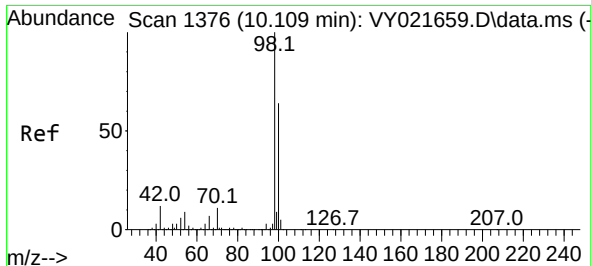
Tgt Ion:114 Resp: 397511
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.2
88 15.5 0.0 29.8



#35
Dibromofluoromethane
Concen: 52.440 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Tgt Ion:113 Resp: 135220
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 19.6 16.2 24.4

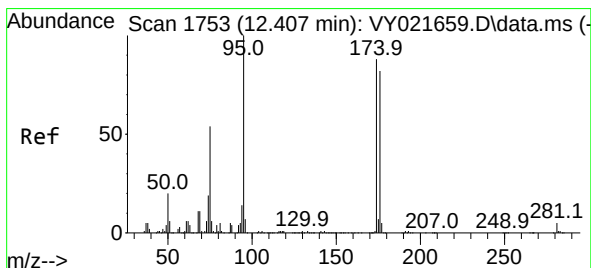
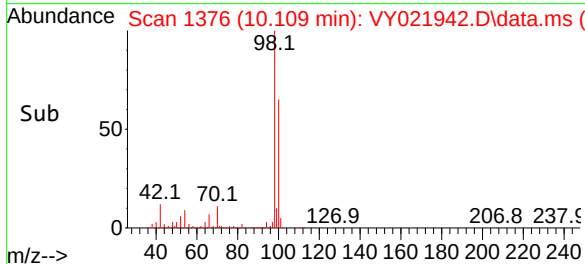
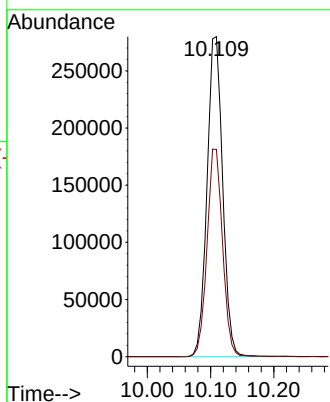
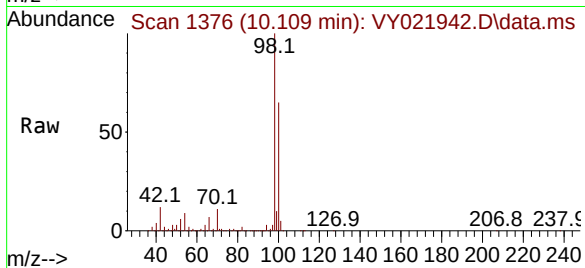




#50
Toluene-d8
Concen: 49.022 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

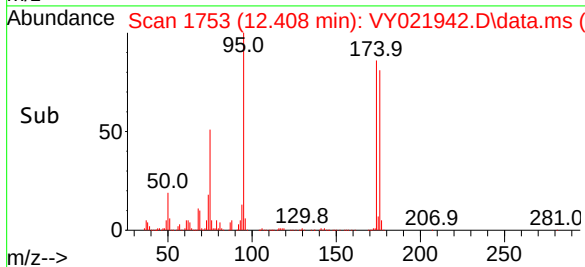
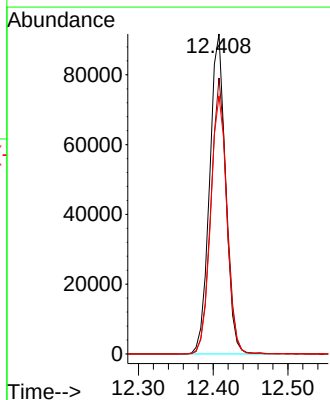
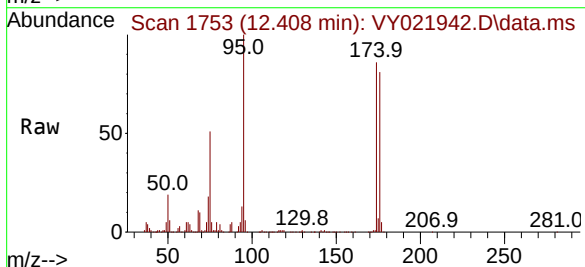
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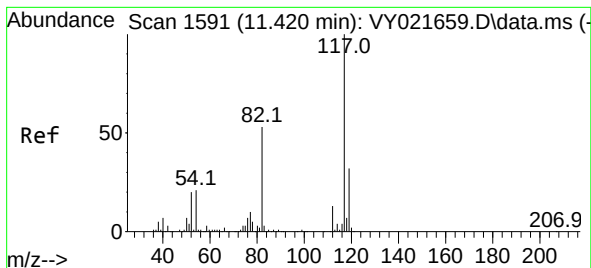
Tgt Ion: 98 Resp: 480889
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 40.997 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Tgt Ion: 95 Resp: 136032
Ion Ratio Lower Upper
95 100
174 85.9 0.0 170.8
176 82.1 0.0 162.0

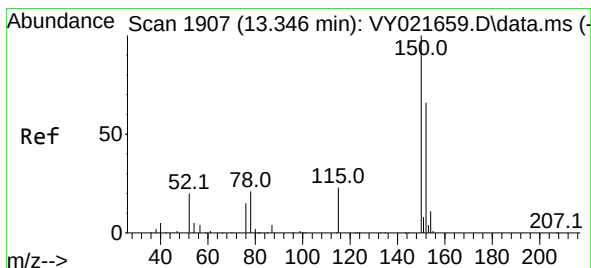
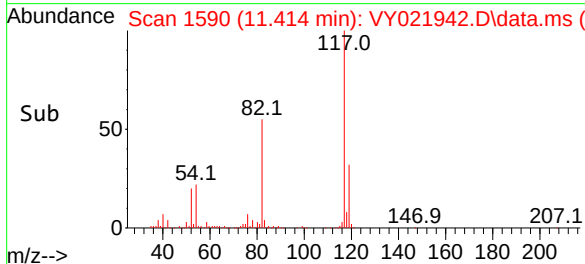
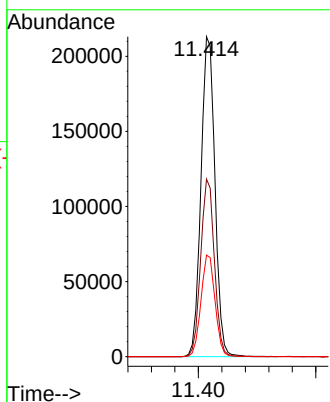
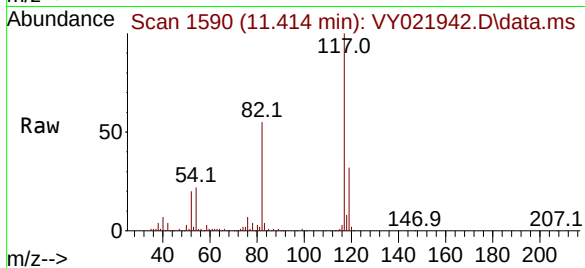




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021942.D
Acq: 21 Apr 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-09

Tgt Ion:117 Resp: 351261
Ion Ratio Lower Upper
117 100
82 55.5 42.8 64.2
119 31.8 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: VY021942.D
Acq: 21 Apr 2025 12:47

Tgt Ion:152 Resp: 134396
Ion Ratio Lower Upper
152 100
115 58.4 28.8 86.5
150 156.9 0.0 348.4

