

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040925\
 Data File : VY021821.D
 Acq On : 09 Apr 2025 16:01
 Operator : SY/MD
 Sample : Q1748-03
 Misc : 4.53g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IB-1.5-VOC

Quant Time: Apr 10 01:45:00 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	7.713	168	210636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	404581	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	340383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	122892	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125420	54.956	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.920%
35) Dibromofluoromethane	7.634	113	134951	51.421	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.840%
50) Toluene-d8	10.109	98	489249	49.002	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.000%
62) 4-Bromofluorobenzene	12.408	95	129134	38.238	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.480%

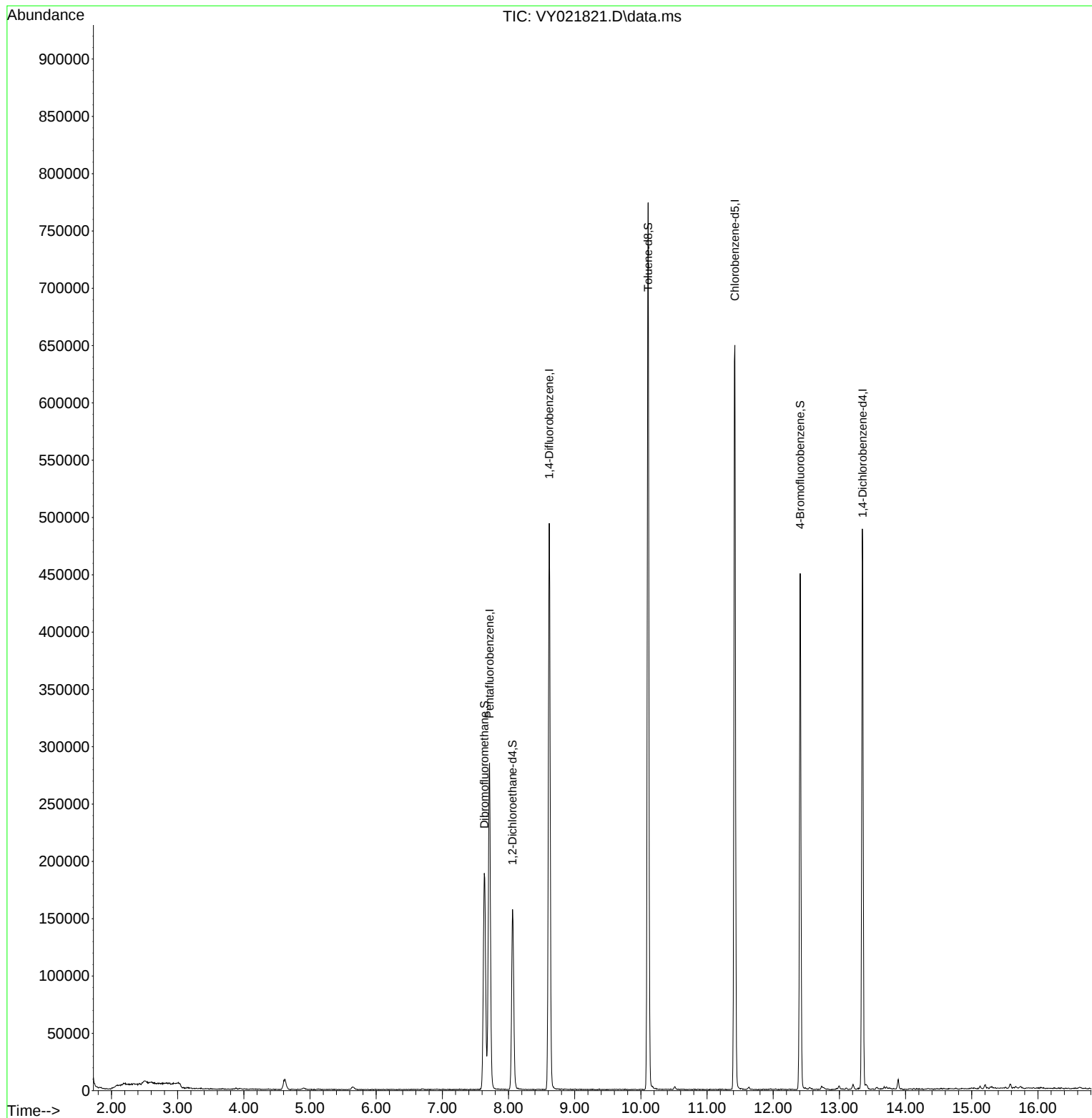
Target Compounds	Qvalue

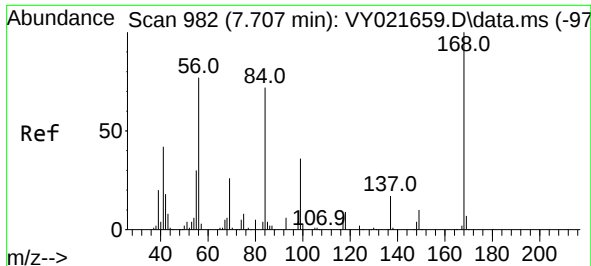
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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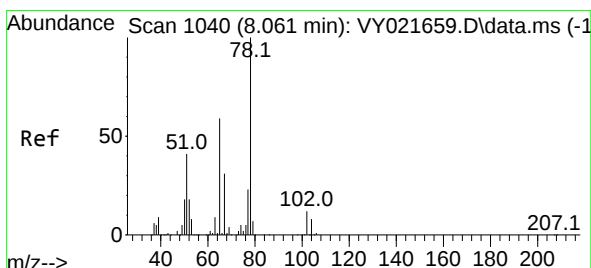
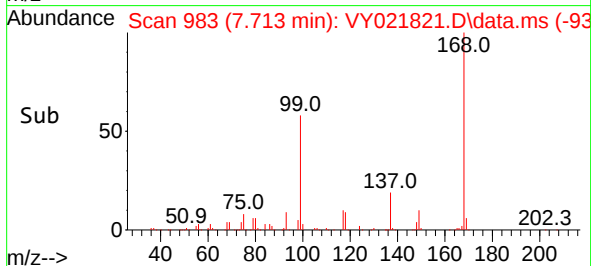
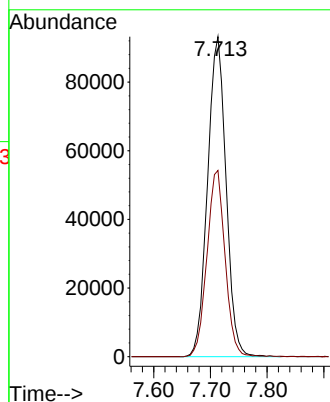
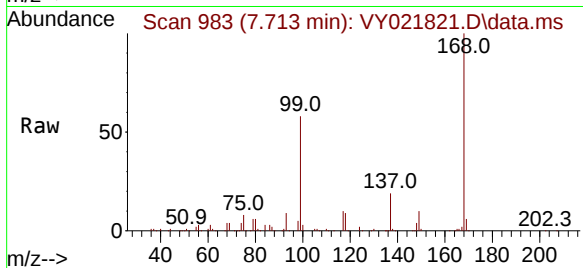




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

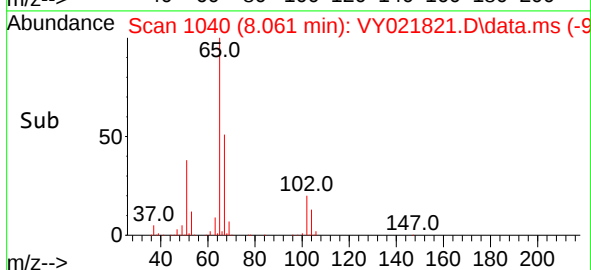
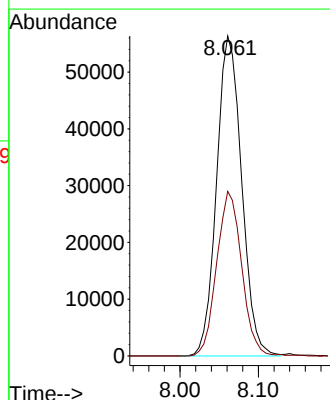
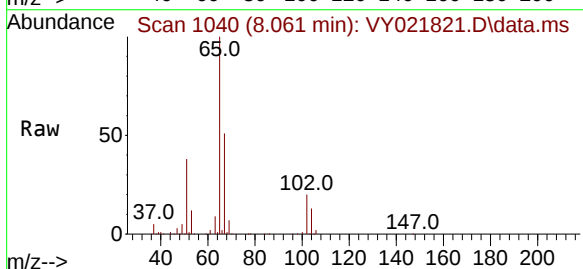
Instrument :
MSVOA_Y
ClientSampleId :
IB-1.5-VOC

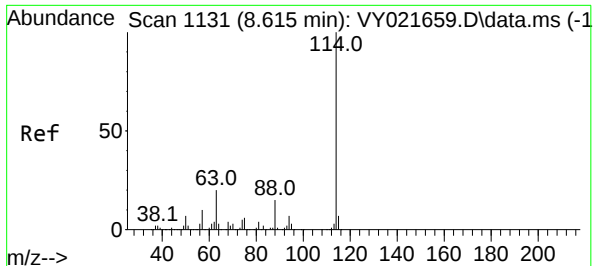
Tgt Ion:168 Resp: 210636
Ion Ratio Lower Upper
168 100
99 58.2 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 54.956 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion: 65 Resp: 125420
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.6

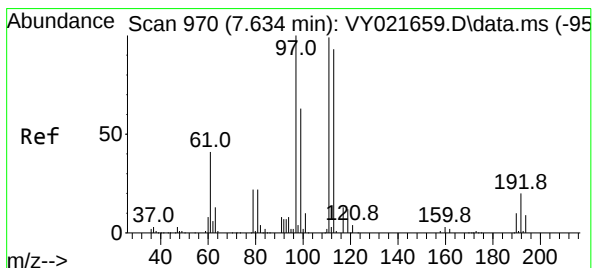
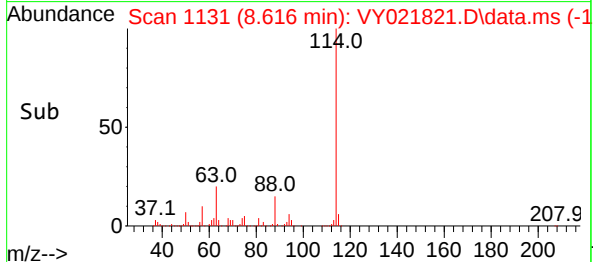
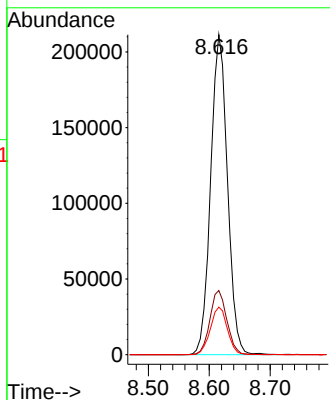
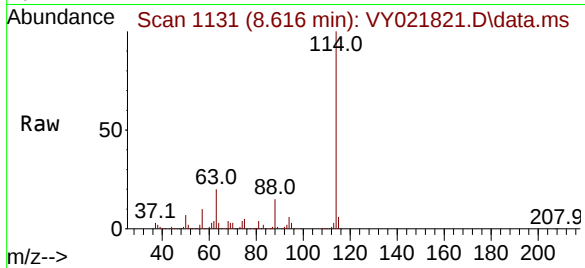




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021821.D
 Acq: 09 Apr 2025 16:01

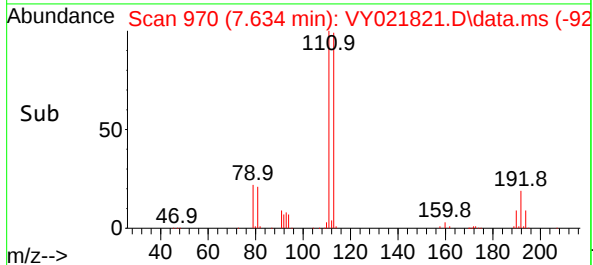
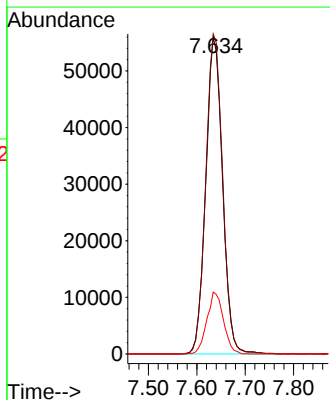
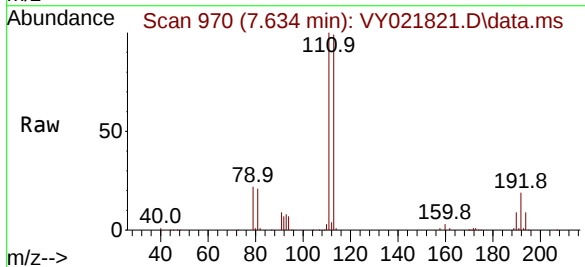
Instrument :
 MSVOA_Y
 ClientSampleId :
 IB-1.5-VOC

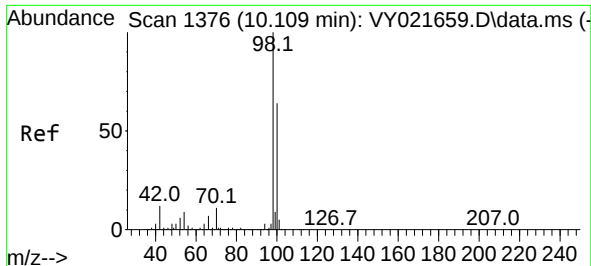
Tgt Ion:114 Resp: 404581
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.2
 88 14.9 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 51.421 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY021821.D
 Acq: 09 Apr 2025 16:01

Tgt Ion:113 Resp: 134951
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.6 123.8
 192 19.3 16.2 24.4

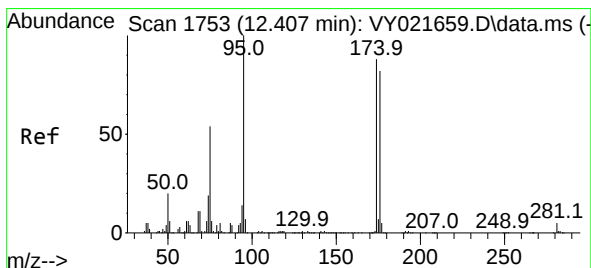
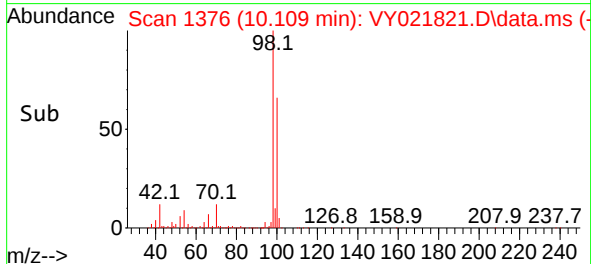
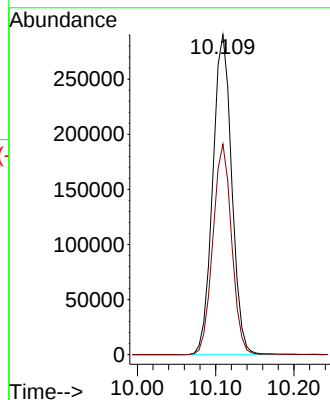
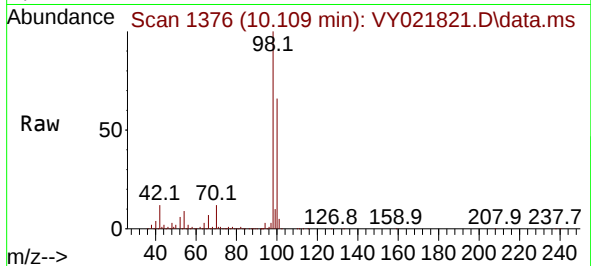




#50
Toluene-d8
Concen: 49.002 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

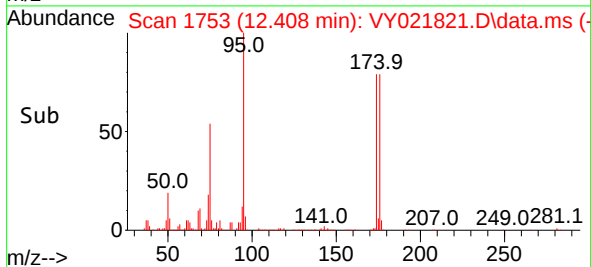
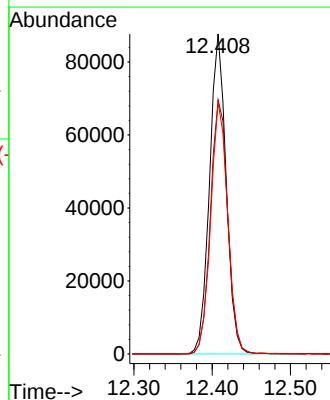
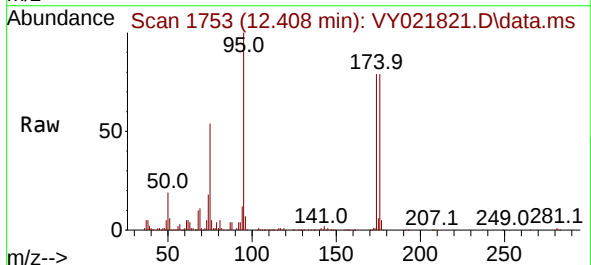
Instrument :
MSVOA_Y
ClientSampleId :
IB-1.5-VOC

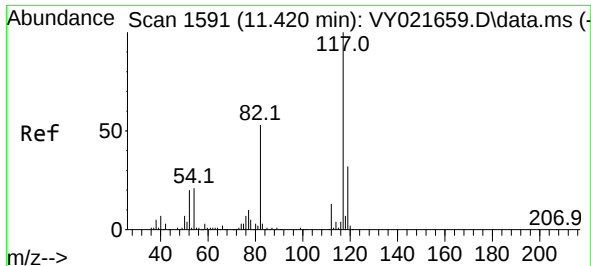
Tgt Ion: 98 Resp: 489249
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 38.238 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion: 95 Resp: 129134
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.8
176 80.8 0.0 162.0

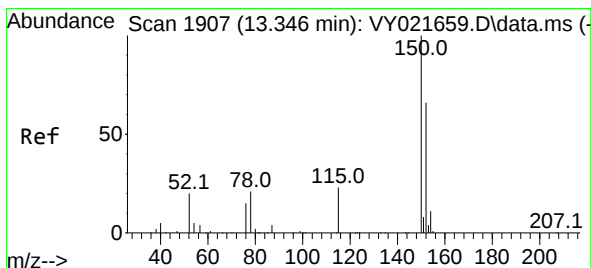
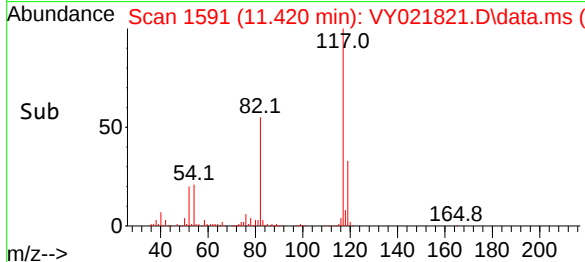
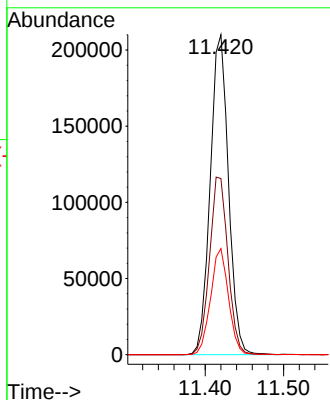
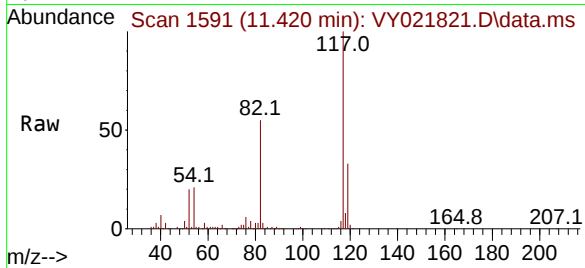




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :
IB-1.5-VOC

Tgt Ion:117 Resp: 340383
Ion Ratio Lower Upper
117 100
82 55.1 42.8 64.2
119 33.2 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY021821.D
Acq: 09 Apr 2025 16:01

Tgt Ion:152 Resp: 122892
Ion Ratio Lower Upper
152 100
115 56.8 28.8 86.5
150 155.2 0.0 348.4

