

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021927.D
 Acq On : 18 Apr 2025 13:47
 Operator : SY/MD
 Sample : Q1832-14
 Misc : 6.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-03

Quant Time: Apr 19 01:12:51 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	227884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	432436	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	364373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	125363	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125742	50.927	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.860%
35) Dibromofluoromethane	7.634	113	142572	50.825	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.660%
50) Toluene-d8	10.109	98	520846	48.807	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.620%
62) 4-Bromofluorobenzene	12.408	95	136600	37.843	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.680%

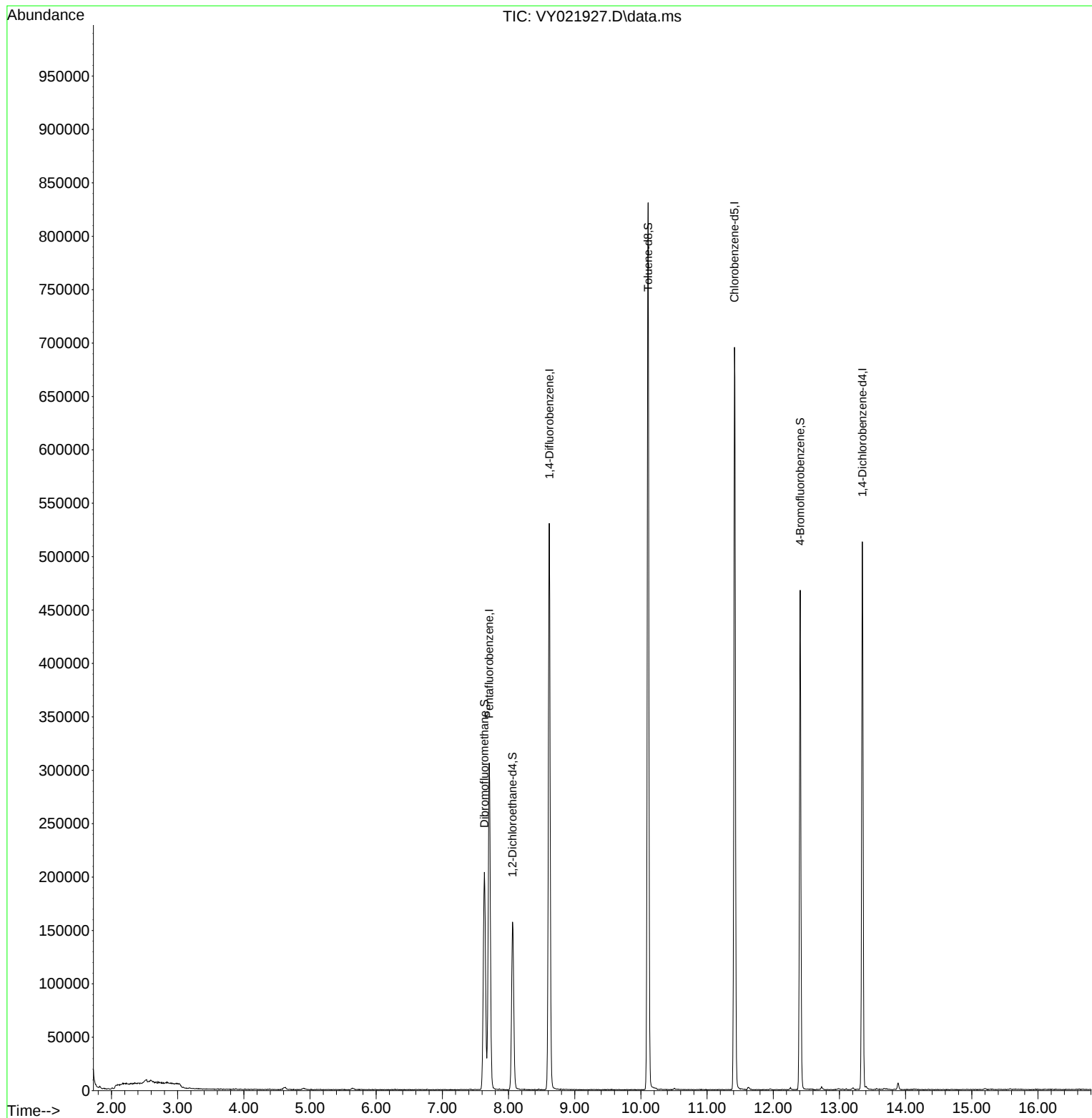
Target Compounds	Qvalue

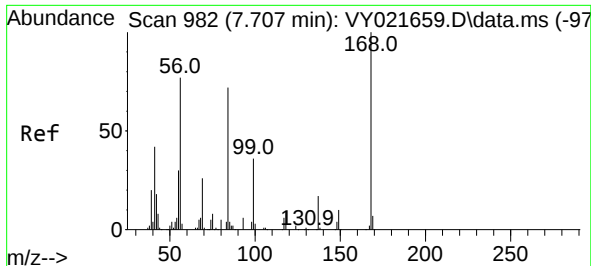
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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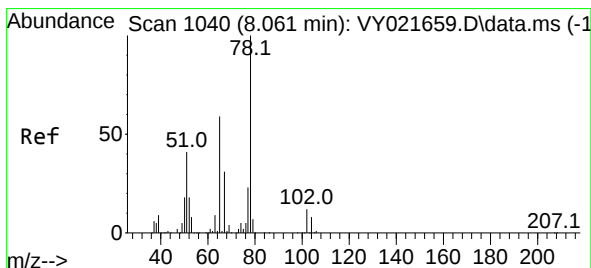
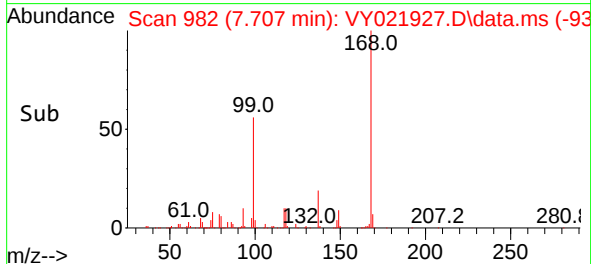
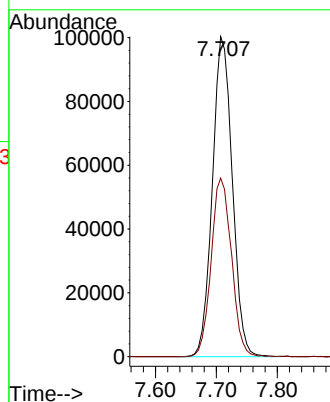
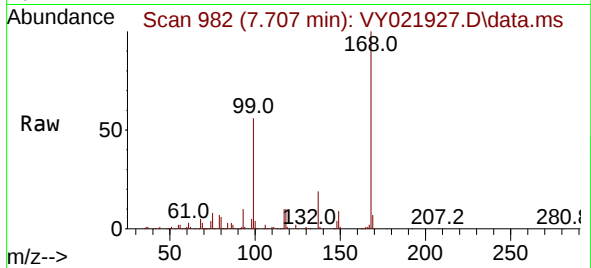




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021927.D
Acq: 18 Apr 2025 13:47

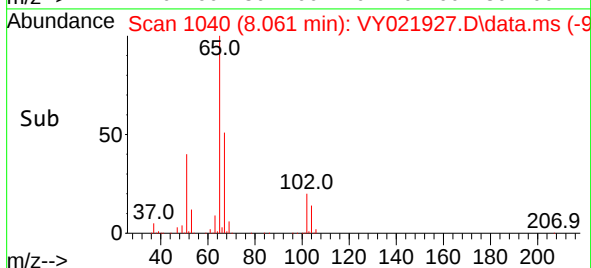
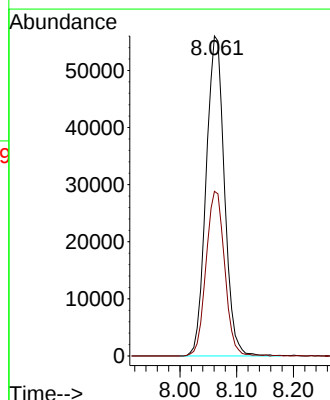
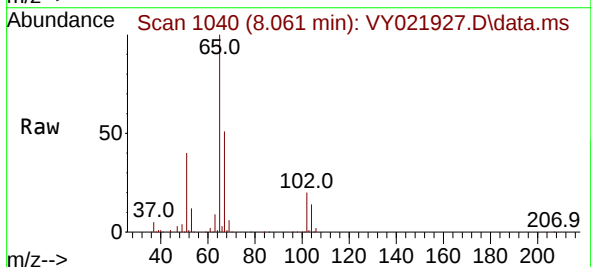
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-03

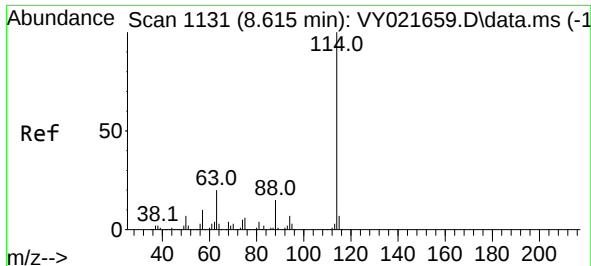
Tgt Ion:168 Resp: 227884
Ion Ratio Lower Upper
168 100
99 55.8 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 50.927 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021927.D
Acq: 18 Apr 2025 13:47

Tgt Ion: 65 Resp: 125742
Ion Ratio Lower Upper
65 100
67 52.3 0.0 104.6

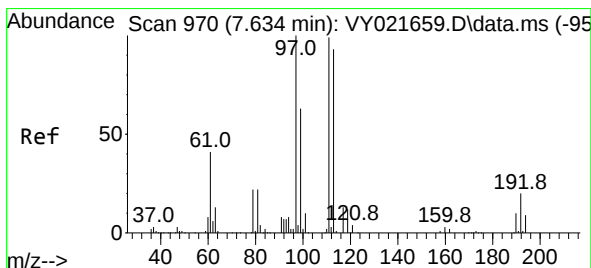
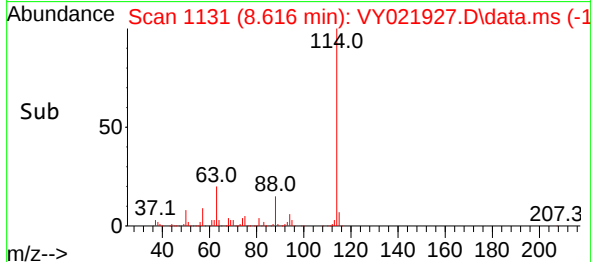
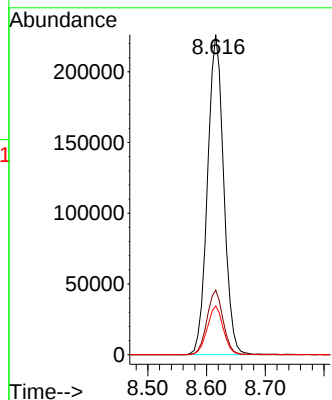
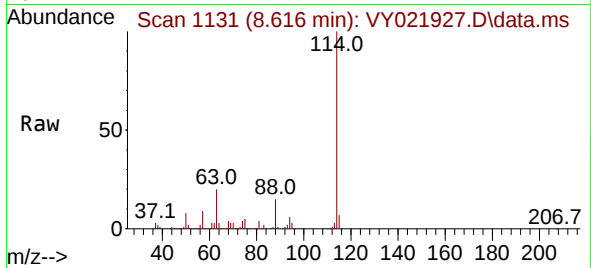




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021927.D
 Acq: 18 Apr 2025 13:47

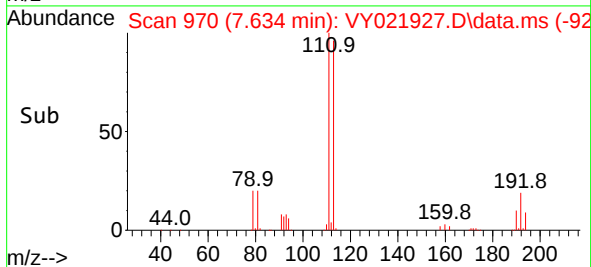
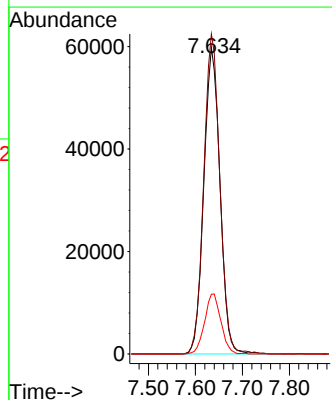
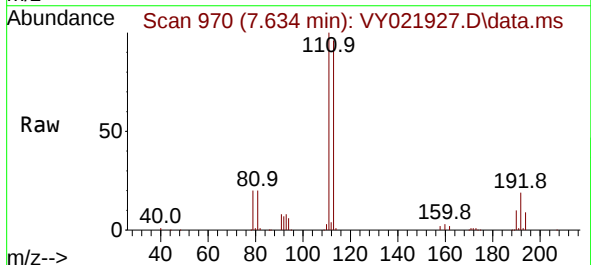
Instrument :
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 PL-714-VOC-03

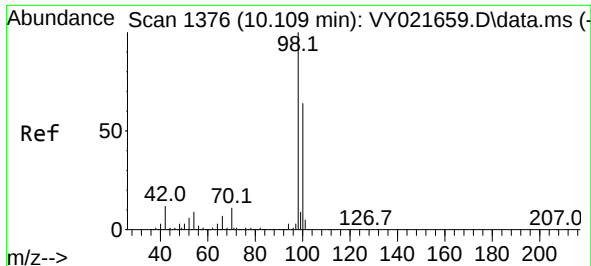
Tgt Ion:114 Resp: 432436
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.2
 88 15.2 0.0 29.8



#35
 Dibromofluoromethane
 Concen: 50.825 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY021927.D
 Acq: 18 Apr 2025 13:47

Tgt Ion:113 Resp: 142572
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.6 123.8
 192 19.7 16.2 24.4

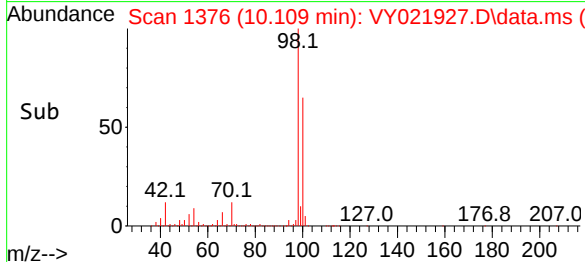
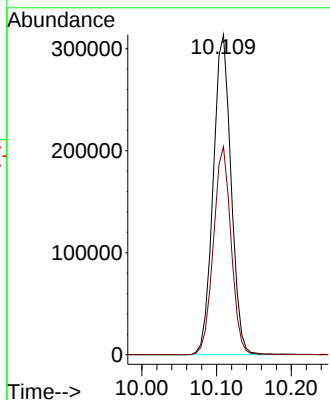
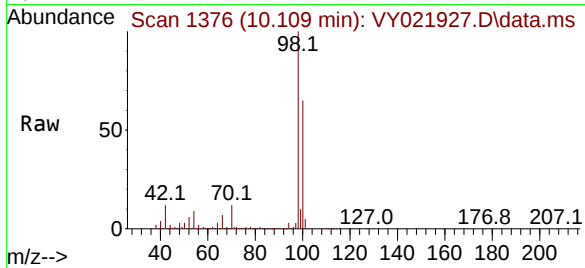




#50
Toluene-d8
Concen: 48.807 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021927.D
Acq: 18 Apr 2025 13:47

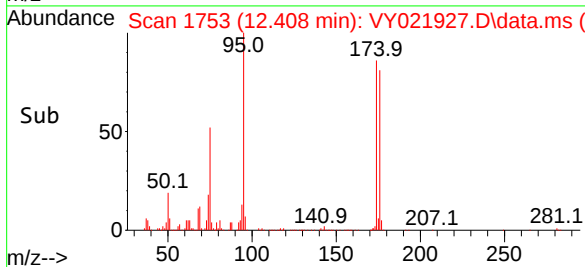
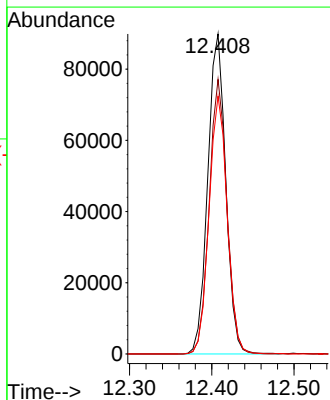
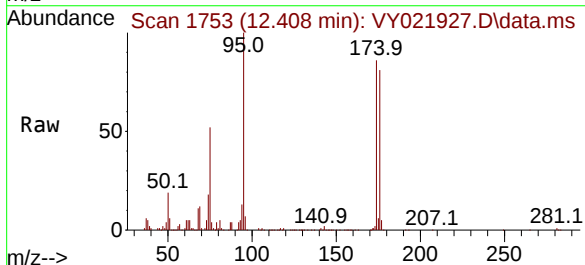
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-03

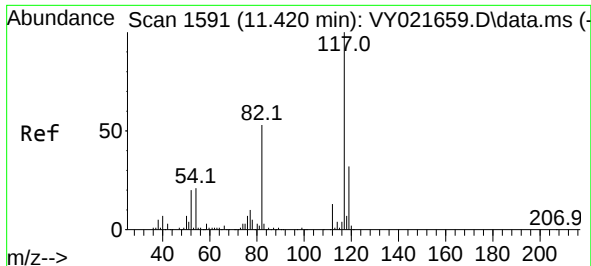
Tgt Ion: 98 Resp: 520846
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 37.843 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021927.D
Acq: 18 Apr 2025 13:47

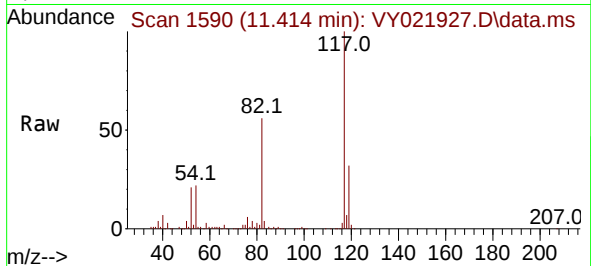
Tgt Ion: 95 Resp: 136600
Ion Ratio Lower Upper
95 100
174 85.0 0.0 170.8
176 81.1 0.0 162.0



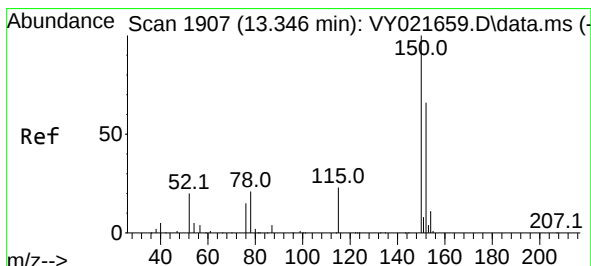
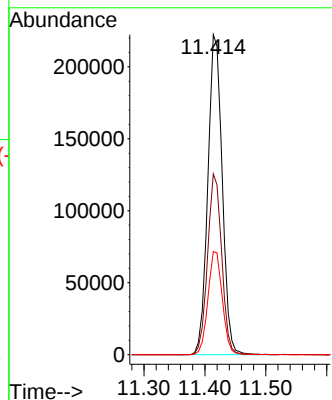
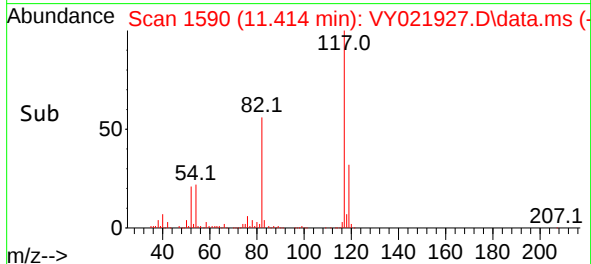


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021927.D
Acq: 18 Apr 2025 13:47

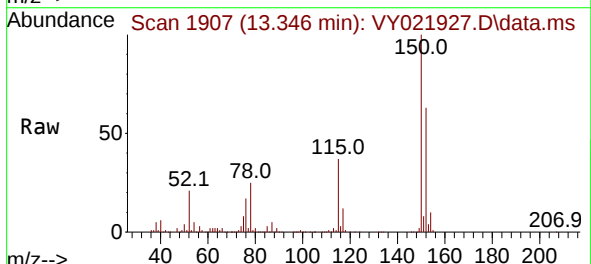
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-03



Tgt Ion:117 Resp: 364373
Ion Ratio Lower Upper
117 100
82 56.5 42.8 64.2
119 32.2 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: VY021927.D
Acq: 18 Apr 2025 13:47



Tgt Ion:152 Resp: 125363
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 157.5 0.0 348.4

