

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021931.D
 Acq On : 18 Apr 2025 15:20
 Operator : SY/MD
 Sample : Q1832-38
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-07

Quant Time: Apr 19 01:14:31 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	223134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	421491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	360389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	138522	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125741	52.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.020%
35) Dibromofluoromethane	7.634	113	140799	51.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.000%
50) Toluene-d8	10.109	98	512454	49.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.540%
62) 4-Bromofluorobenzene	12.408	95	156663	44.528	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.060%

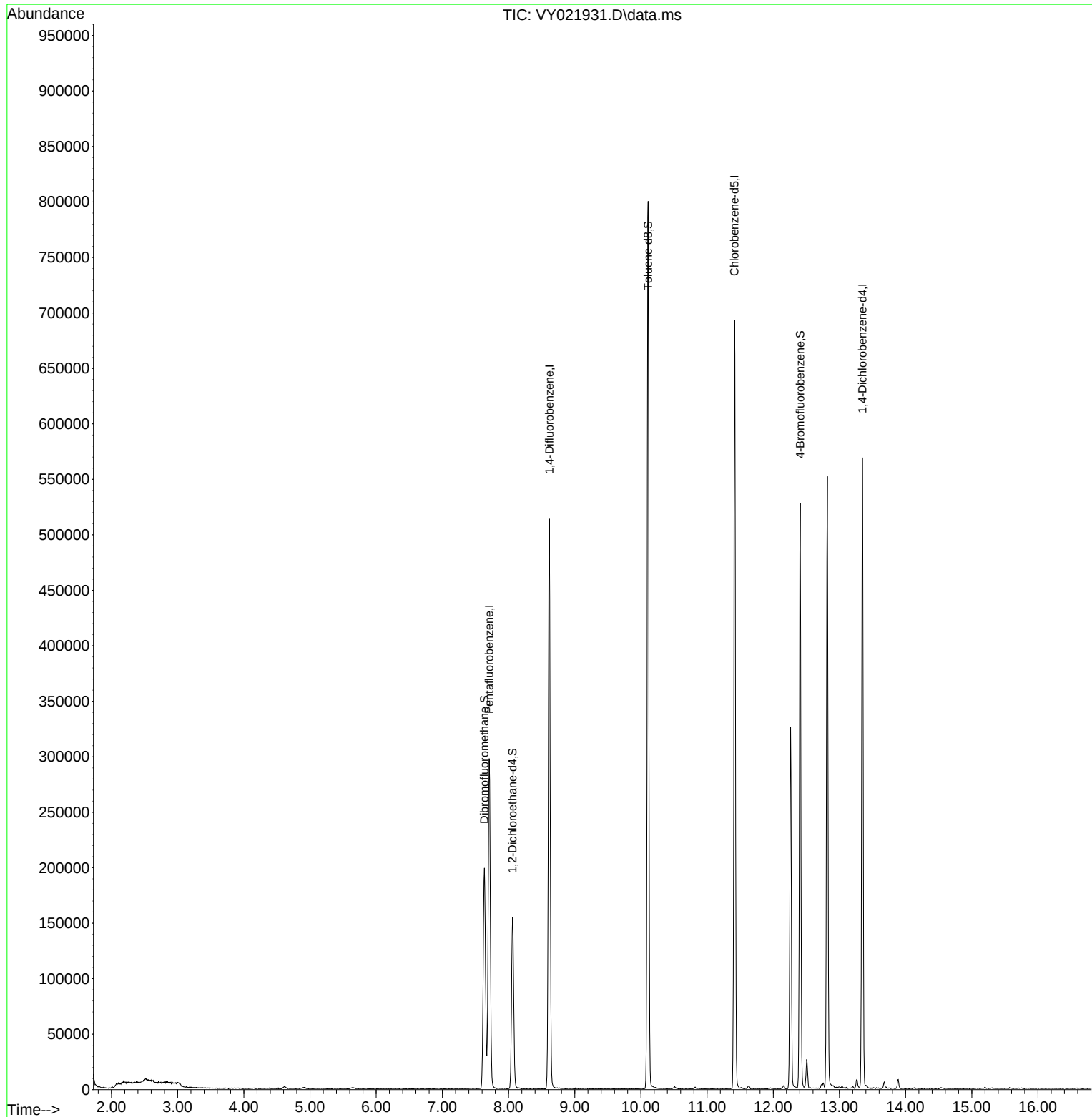
Target Compounds	Qvalue

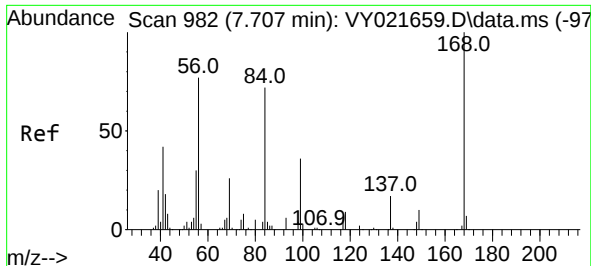
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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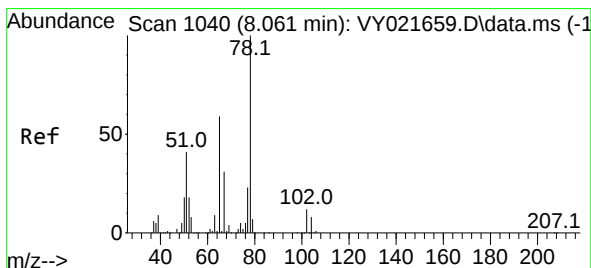
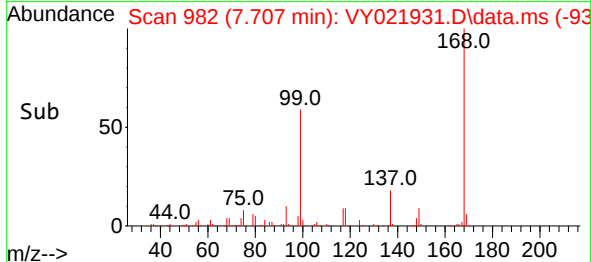
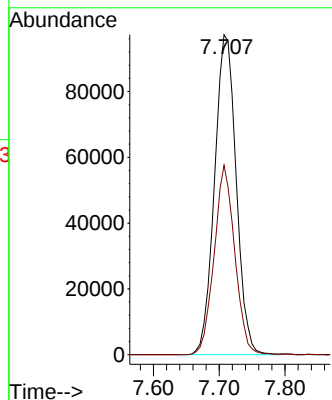
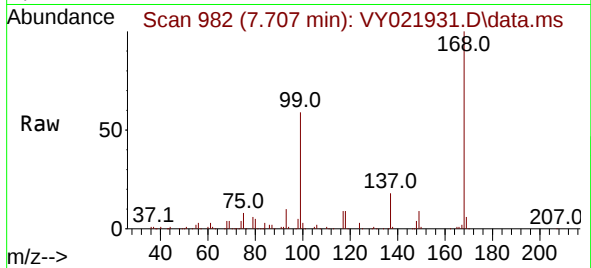




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021931.D
Acq: 18 Apr 2025 15:20

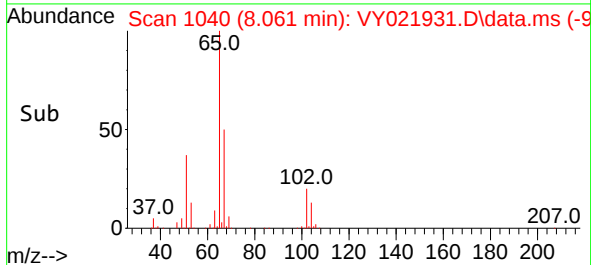
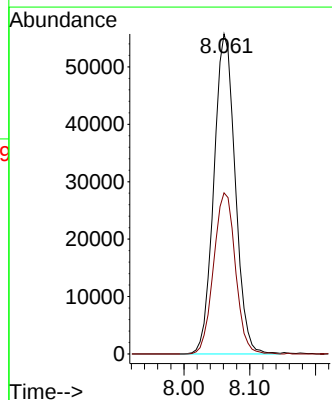
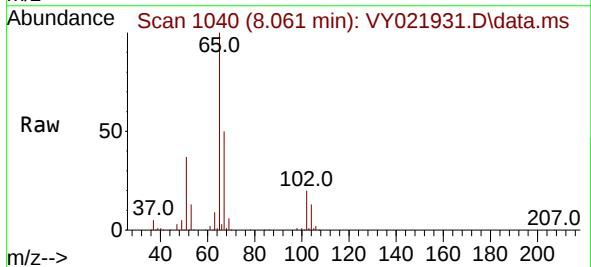
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-07

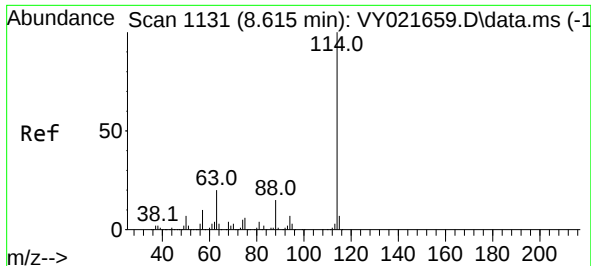
Tgt Ion:168 Resp: 223134
Ion Ratio Lower Upper
168 100
99 59.2 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 52.011 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021931.D
Acq: 18 Apr 2025 15:20

Tgt Ion: 65 Resp: 125741
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.6

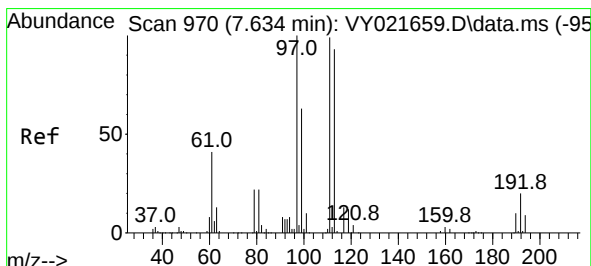
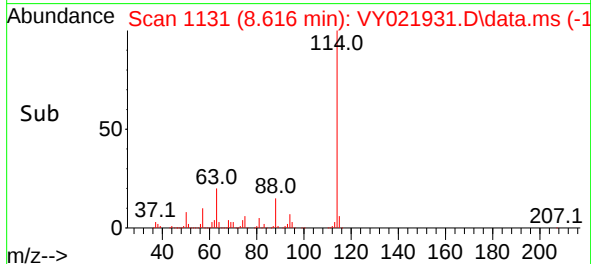
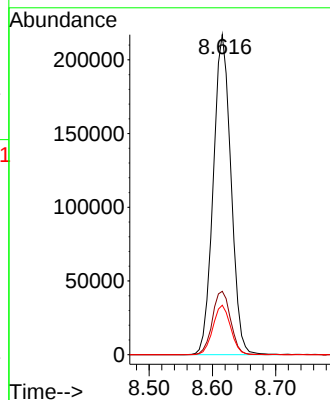
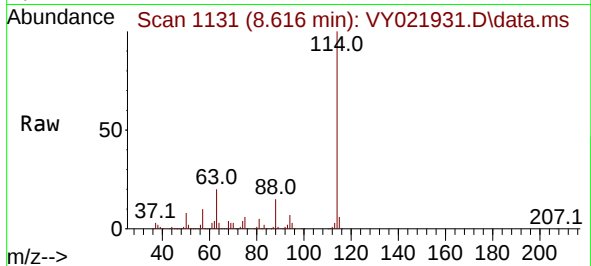




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021931.D
Acq: 18 Apr 2025 15:20

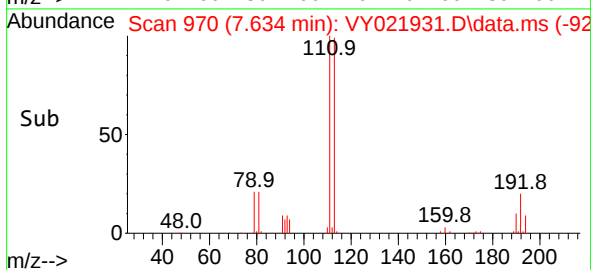
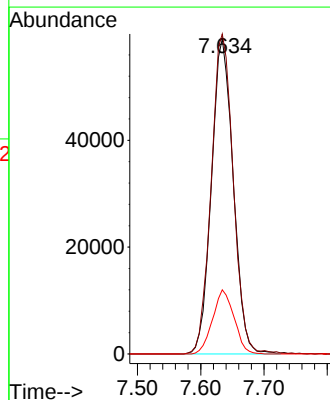
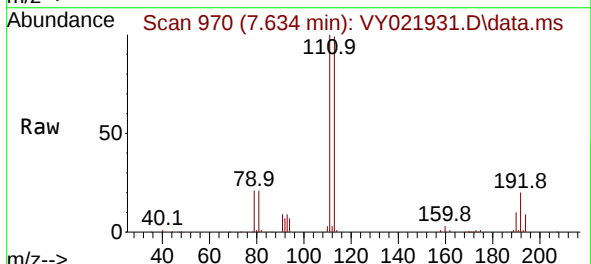
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-07

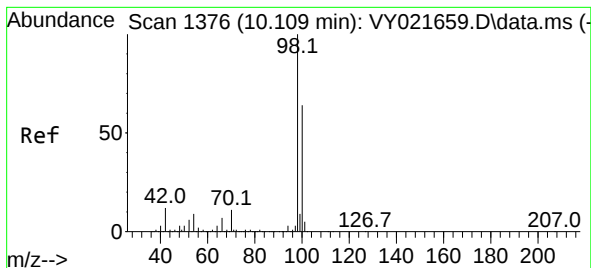
Tgt Ion:114 Resp: 421491
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.2
88 15.4 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.497 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021931.D
Acq: 18 Apr 2025 15:20

Tgt Ion:113 Resp: 140799
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 20.0 16.2 24.4





#50

Toluene-d8

Concen: 49.267 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021931.D

Acq: 18 Apr 2025 15:20

Instrument :

MSVOA_Y

ClientSampleId :

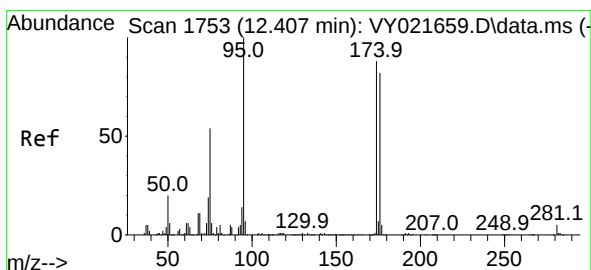
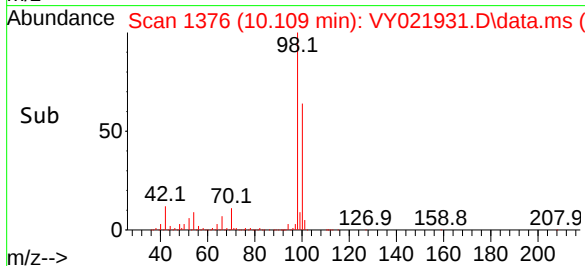
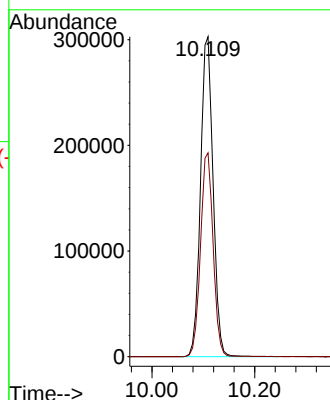
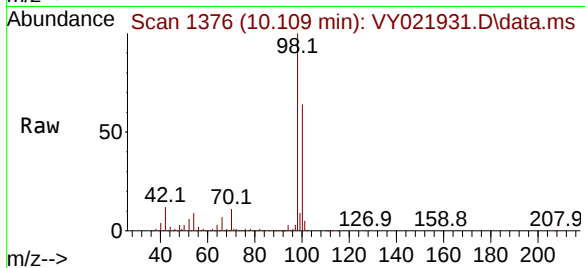
PL-714-VOC-07

Tgt Ion: 98 Resp: 512454

Ion Ratio Lower Upper

98 100

100 64.1 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.528 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021931.D

Acq: 18 Apr 2025 15:20

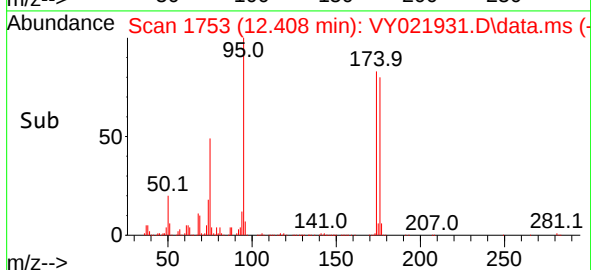
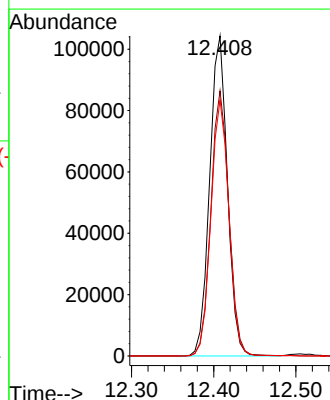
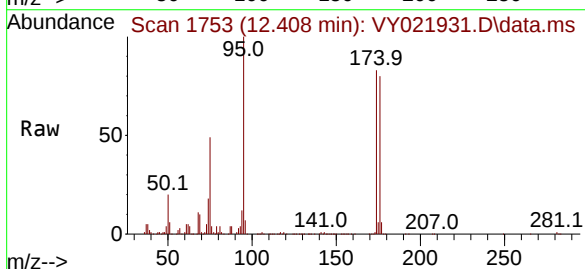
Tgt Ion: 95 Resp: 156663

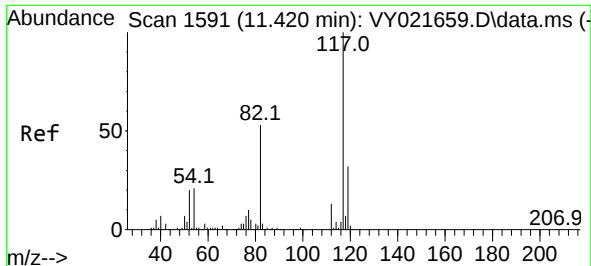
Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.8

176 80.9 0.0 162.0

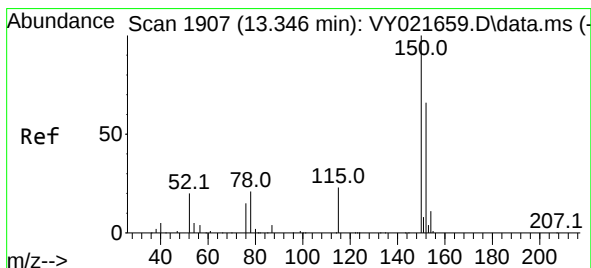
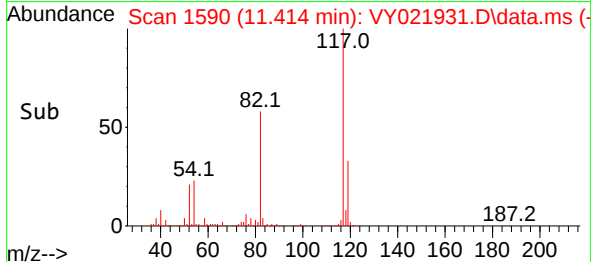
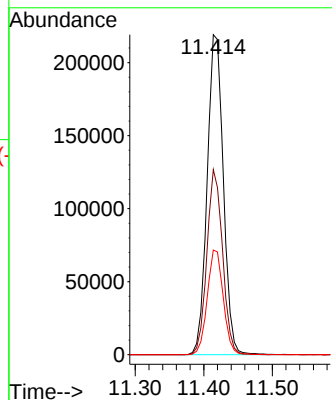
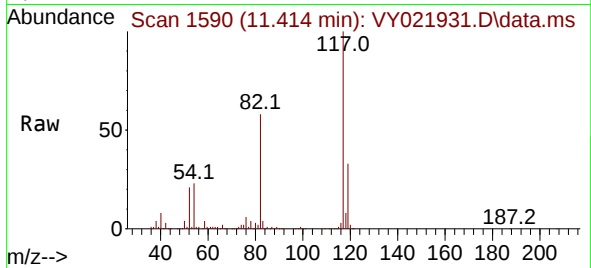




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021931.D
Acq: 18 Apr 2025 15:20

Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-07

Tgt Ion:117 Resp: 360389
Ion Ratio Lower Upper
117 100
82 57.8 42.8 64.2
119 32.7 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: VY021931.D
Acq: 18 Apr 2025 15:20

Tgt Ion:152 Resp: 138522
Ion Ratio Lower Upper
152 100
115 57.7 28.8 86.5
150 153.3 0.0 348.4

