

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041825\
 Data File : VY021928.D
 Acq On : 18 Apr 2025 14:10
 Operator : SY/MD
 Sample : Q1832-20
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-714-VOC-04

Quant Time: Apr 19 01:13:17 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	212914	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	402065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	337699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	117861	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	117907	51.111	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.220%
35) Dibromofluoromethane	7.634	113	133110	51.037	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.080%
50) Toluene-d8	10.109	98	480389	48.416	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.840%
62) 4-Bromofluorobenzene	12.408	95	127849	38.094	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.180%

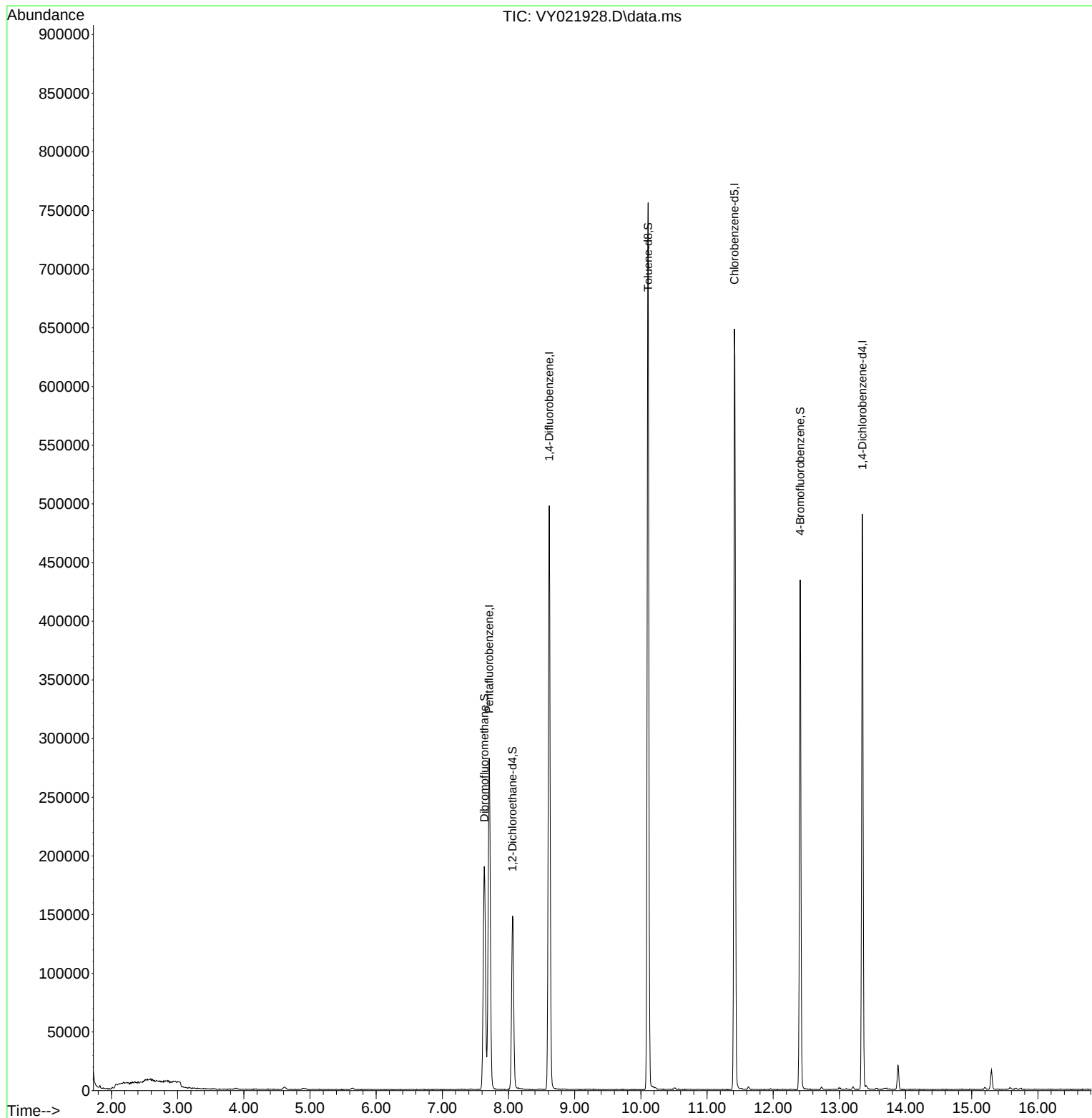
Target Compounds	Qvalue

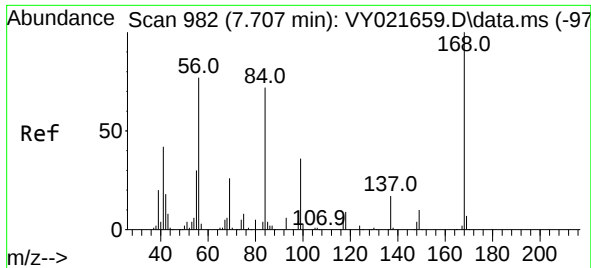
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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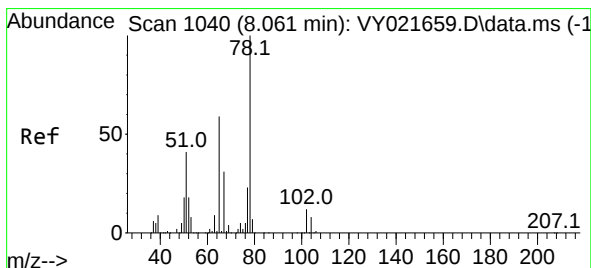
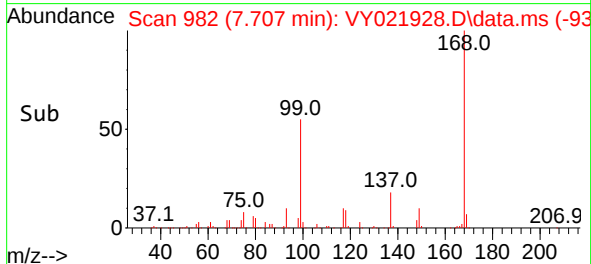
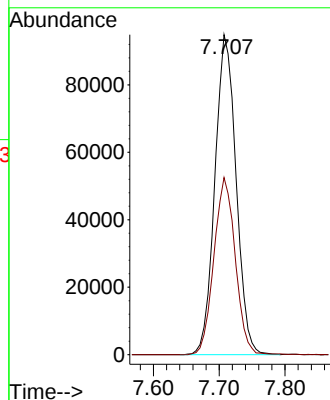
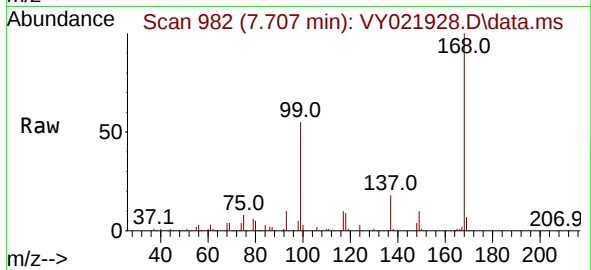




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

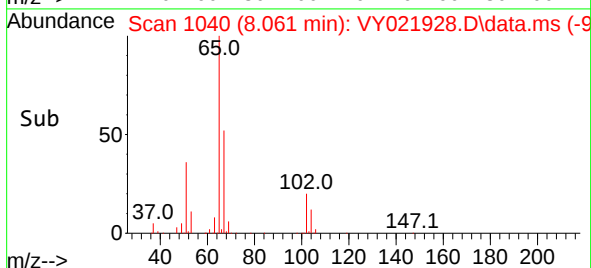
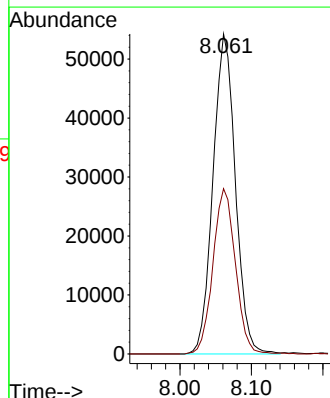
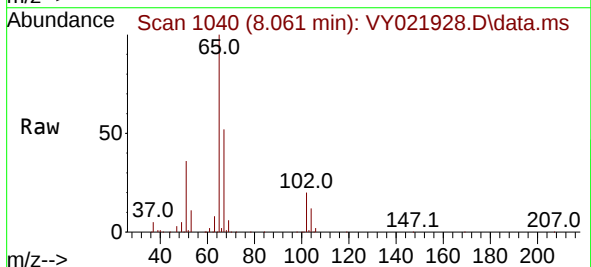
Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-04

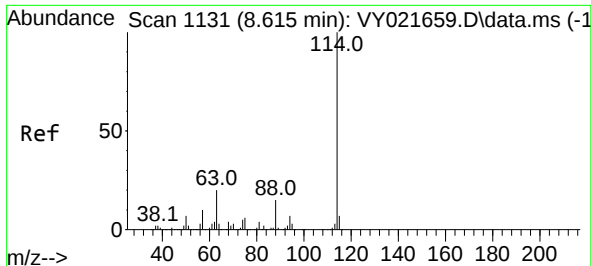
Tgt Ion:168 Resp: 212914
Ion Ratio Lower Upper
168 100
99 55.4 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 51.111 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 65 Resp: 117907
Ion Ratio Lower Upper
65 100
67 51.8 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: VY021928.D

Acq: 18 Apr 2025 14:10

Instrument :

MSVOA_Y

ClientSampleId :

PL-714-VOC-04

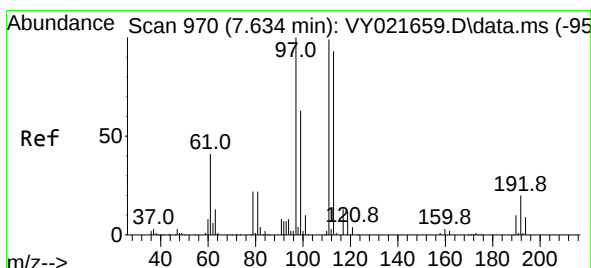
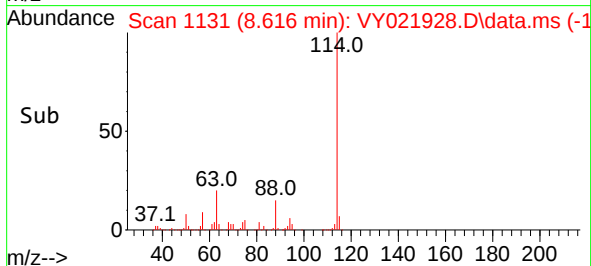
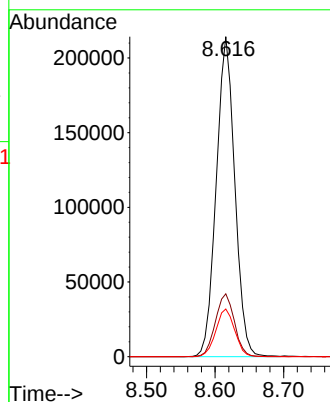
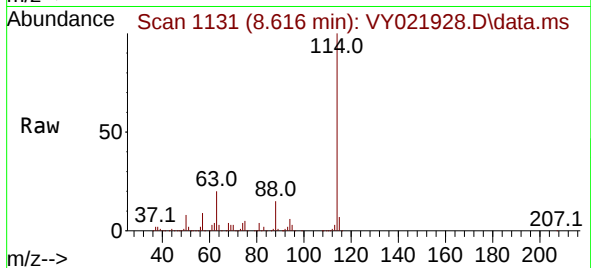
Tgt Ion:114 Resp: 402065

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 14.9 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.037 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021928.D

Acq: 18 Apr 2025 14:10

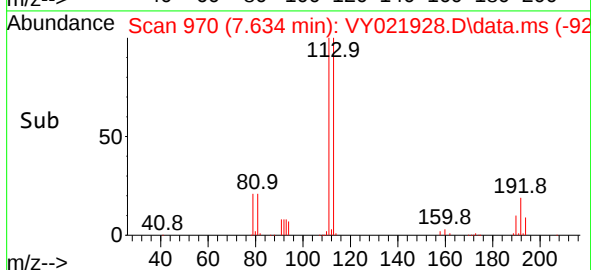
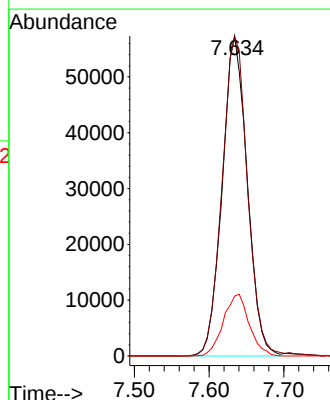
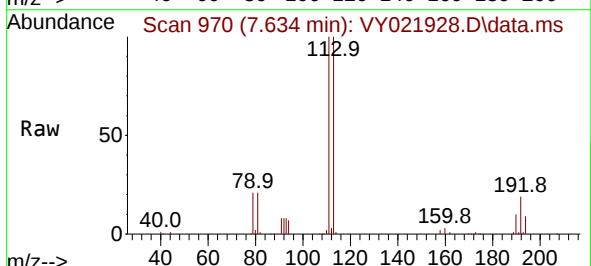
Tgt Ion:113 Resp: 133110

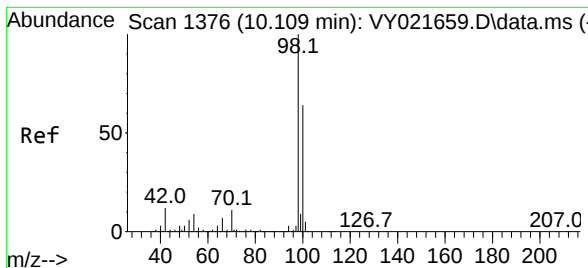
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 19.9 16.2 24.4

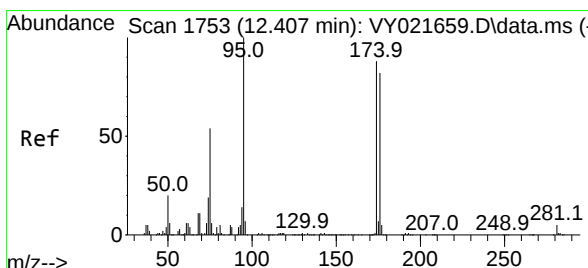
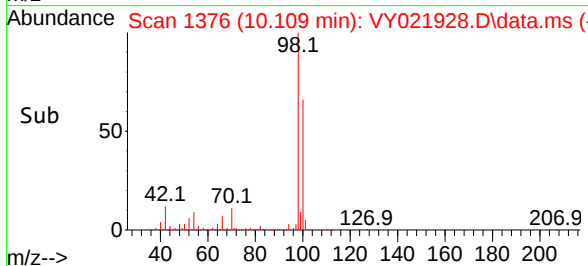
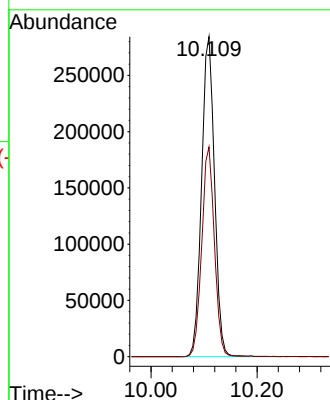
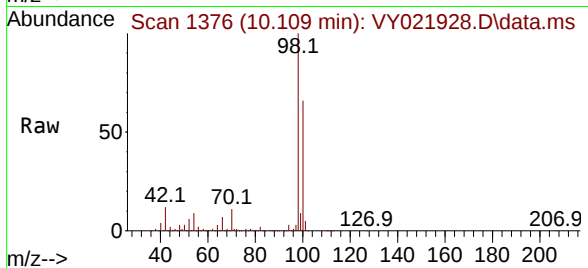




#50
Toluene-d8
Concen: 48.416 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

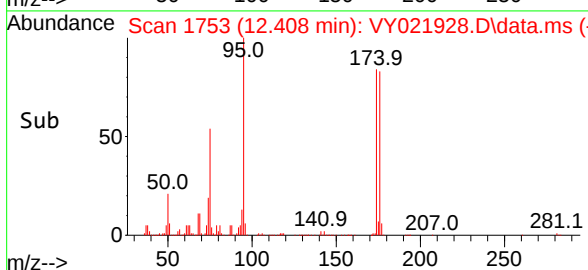
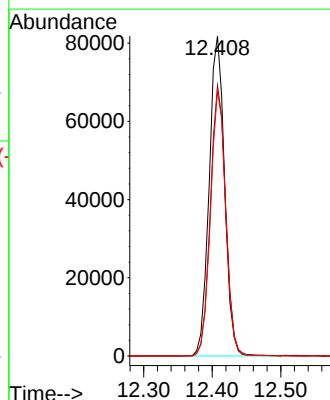
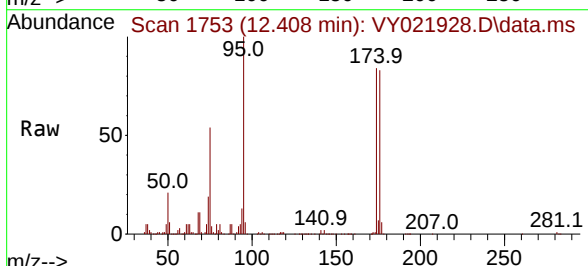
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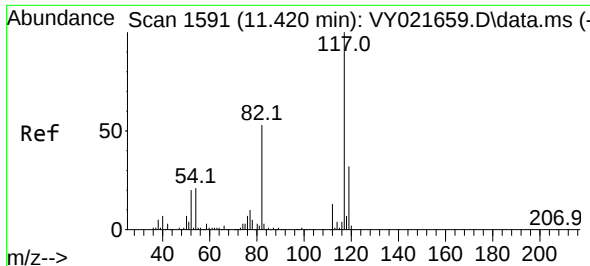
Tgt Ion: 98 Resp: 480389
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 38.094 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

Tgt Ion: 95 Resp: 127849
Ion Ratio Lower Upper
95 100
174 84.5 0.0 170.8
176 81.7 0.0 162.0

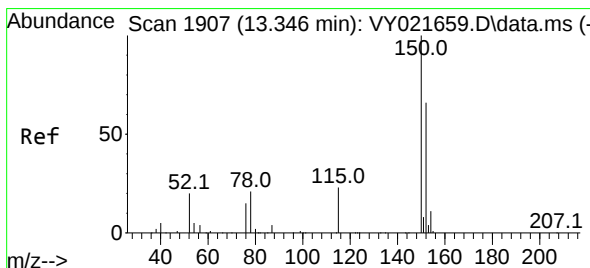
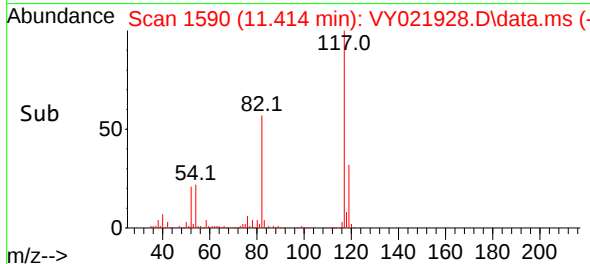
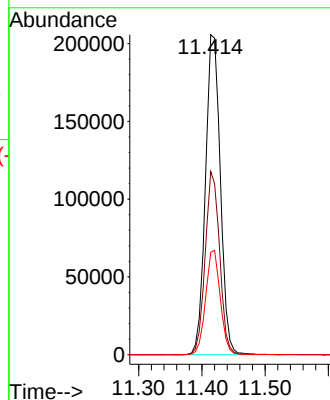
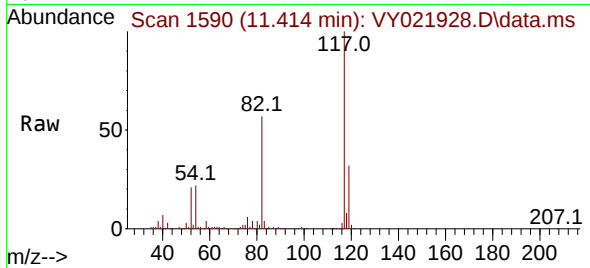




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY021928.D
Acq: 18 Apr 2025 14:10

Instrument :
MSVOA_Y
ClientSampleId :
PL-714-VOC-04

Tgt Ion:117 Resp: 337699
Ion Ratio Lower Upper
117 100
82 57.2 42.8 64.2
119 32.0 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: VY021928.D
Acq: 18 Apr 2025 14:10

Tgt Ion:152 Resp: 117861
Ion Ratio Lower Upper
152 100
115 60.8 28.8 86.5
150 159.9 0.0 348.4

