

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022087.D
 Acq On : 30 Apr 2025 17:05
 Operator : SY/MD
 Sample : Q1901-02
 Misc : 7.83g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-167-SB01

Quant Time: May 01 01:38:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	348376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	652384	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	556238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	176600	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	171544	53.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.620%
35) Dibromofluoromethane	7.628	113	220356	51.127	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.260%
50) Toluene-d8	10.103	98	774744	47.680	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.360%
62) 4-Bromofluorobenzene	12.402	95	197352	36.079	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.160%

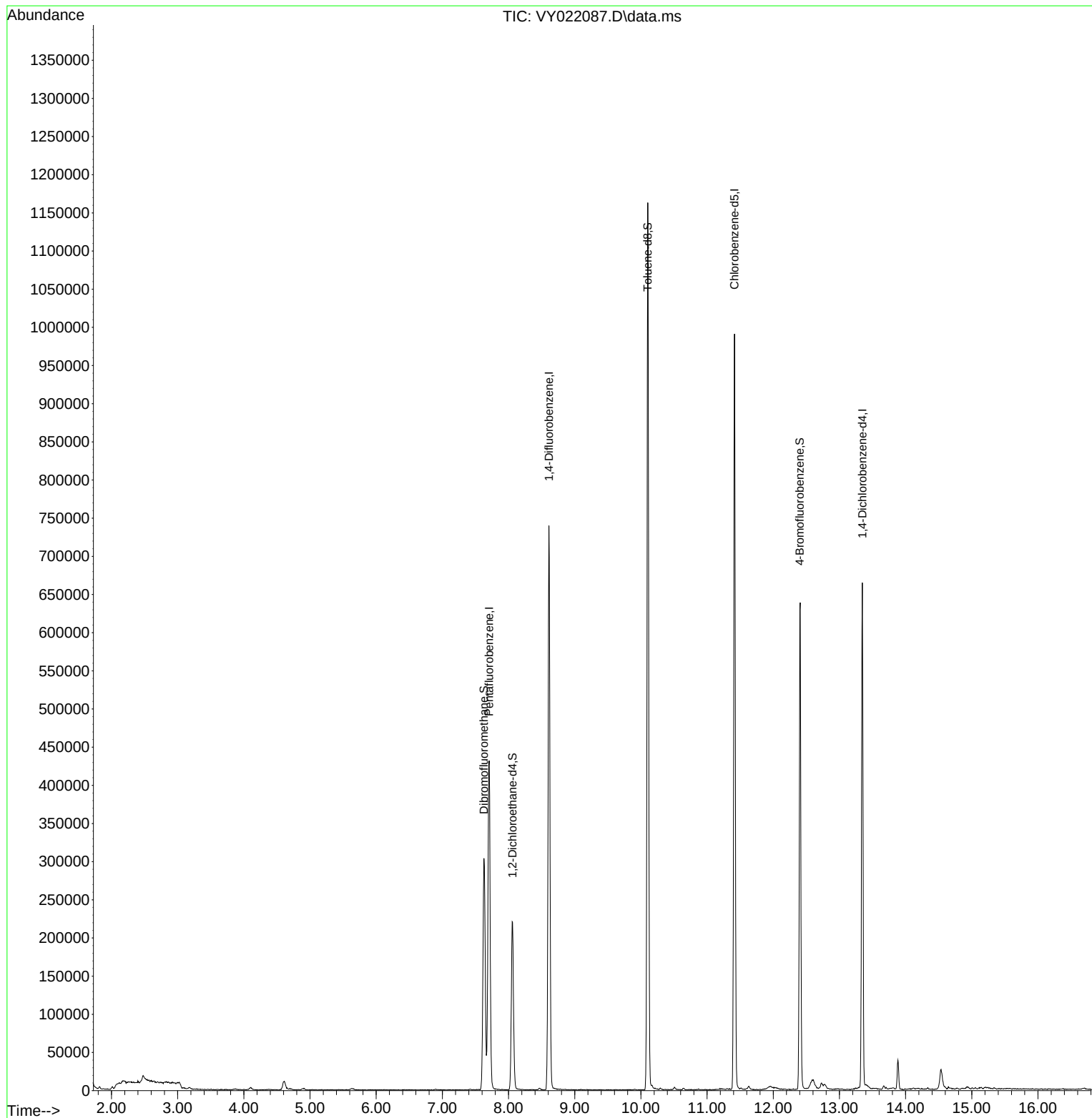
Target Compounds	Qvalue

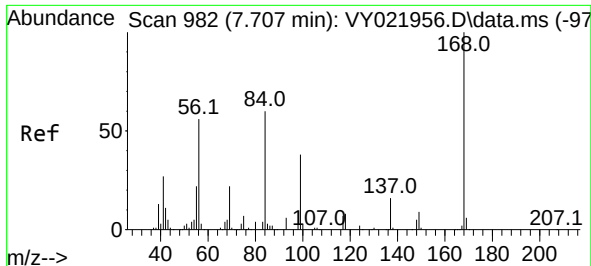
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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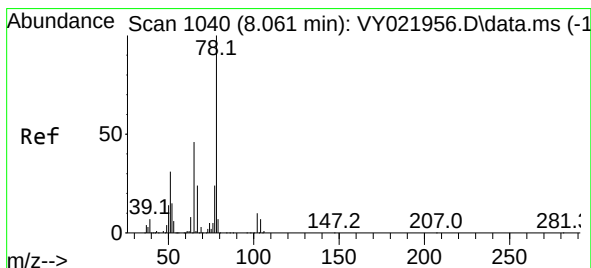
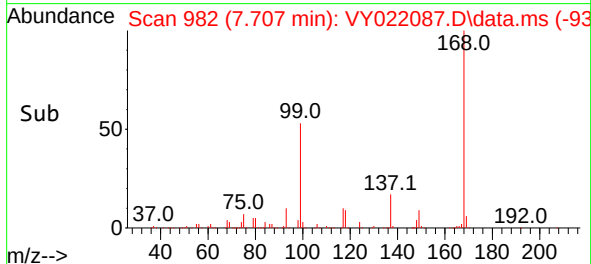
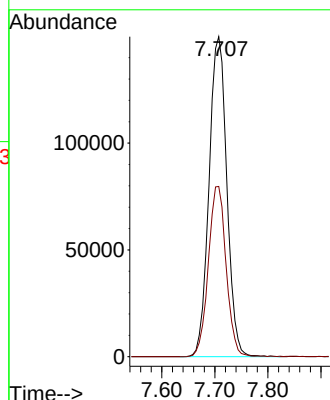
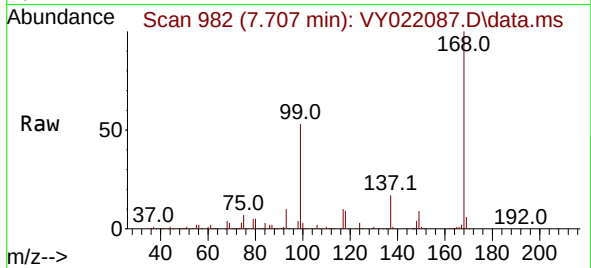




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

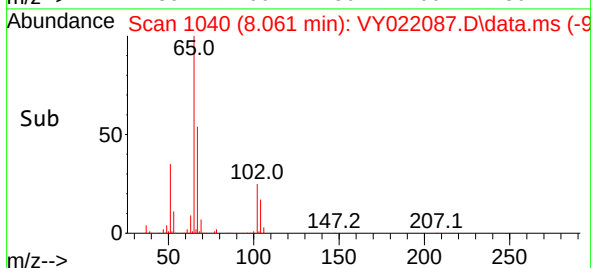
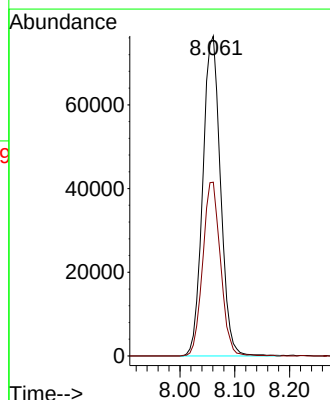
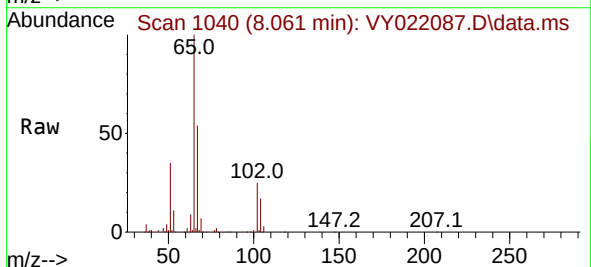
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB01

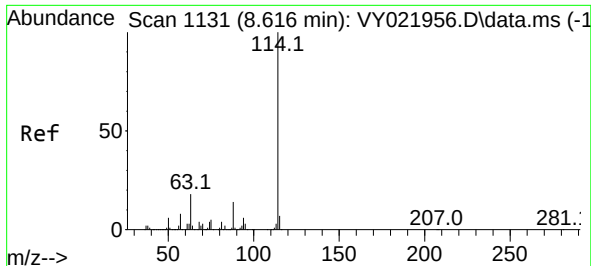
Tgt Ion:168 Resp: 348376
Ion Ratio Lower Upper
168 100
99 53.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 53.310 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

Tgt Ion: 65 Resp: 171544
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.8

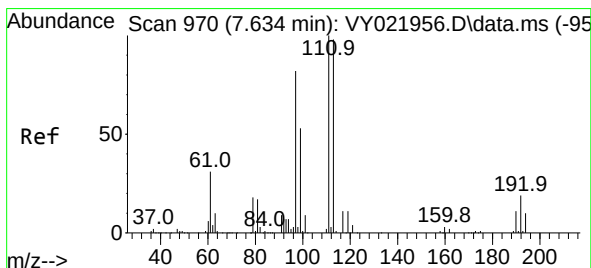
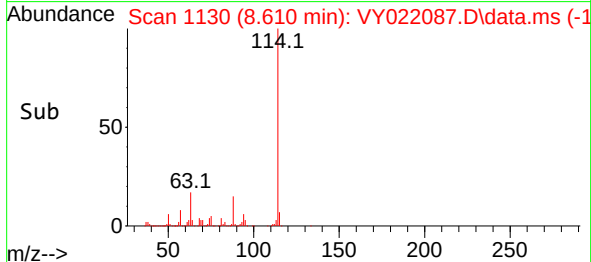
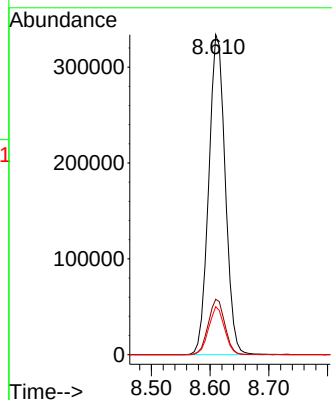
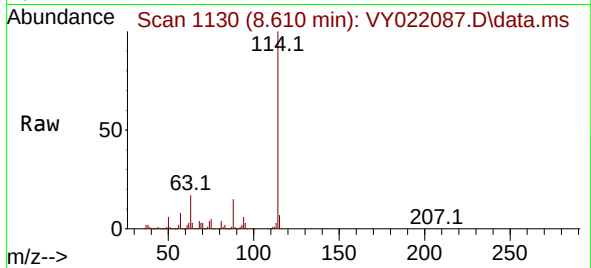




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

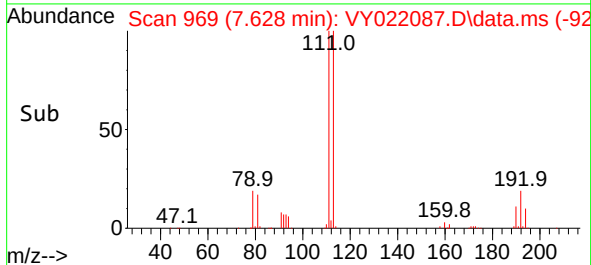
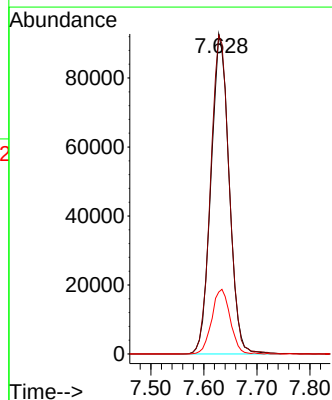
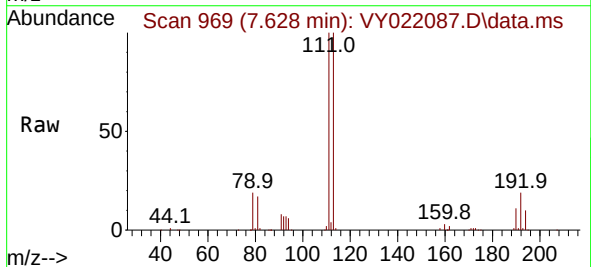
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB01

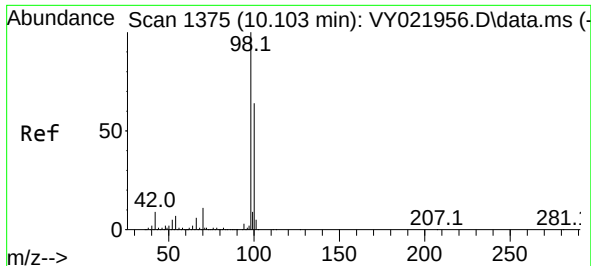
Tgt Ion:114 Resp: 652384
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.4
88 15.0 0.0 28.2



#35
Dibromofluoromethane
Concen: 51.127 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

Tgt Ion:113 Resp: 220356
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 20.5 15.6 23.4

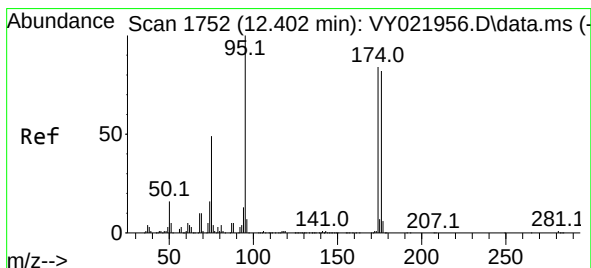
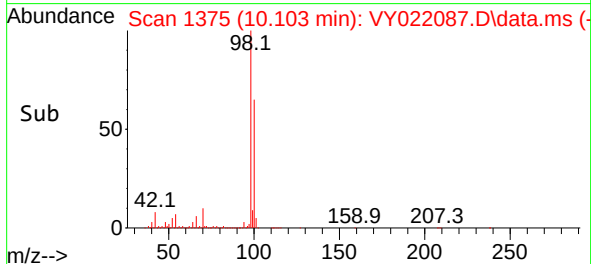
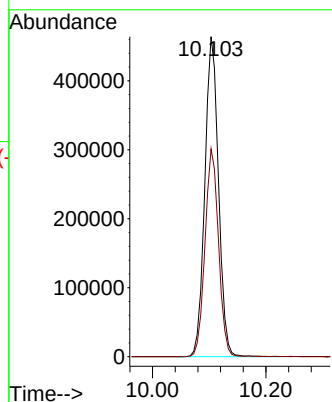
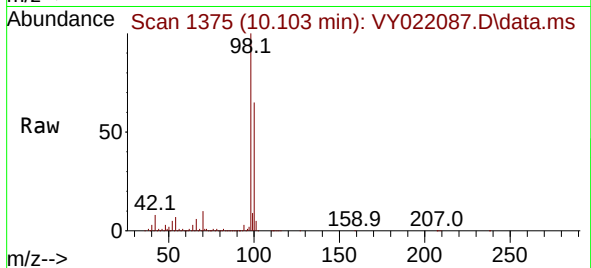




#50
Toluene-d8
Concen: 47.680 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

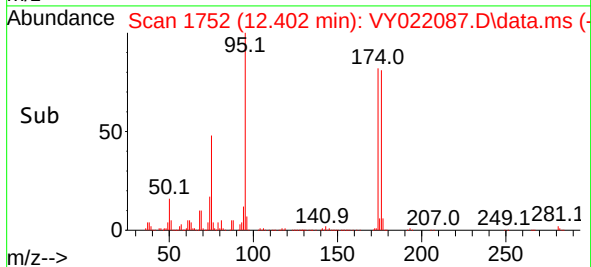
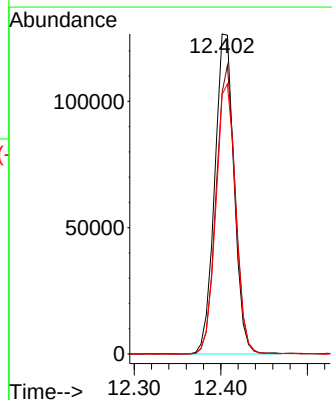
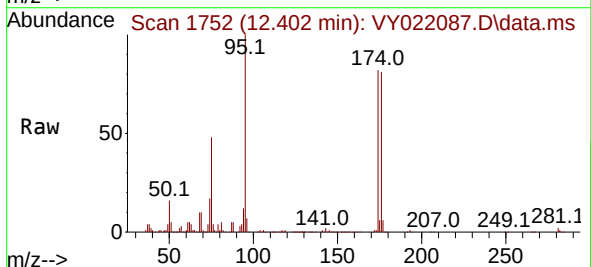
Instrument :
MSVOA_Y
ClientSampleId :
B-167-SB01

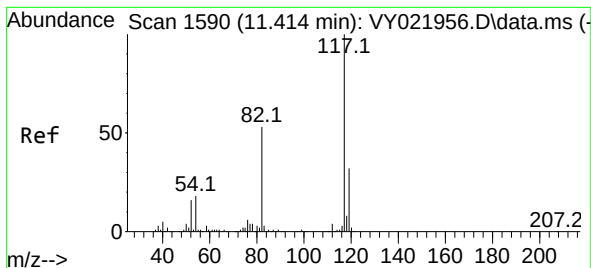
Tgt Ion: 98 Resp: 774744
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 36.079 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022087.D
Acq: 30 Apr 2025 17:05

Tgt Ion: 95 Resp: 197352
Ion Ratio Lower Upper
95 100
174 89.1 0.0 179.0
176 85.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022087.D

Acq: 30 Apr 2025 17:05

Instrument :

MSVOA_Y

ClientSampleId :

B-167-SB01

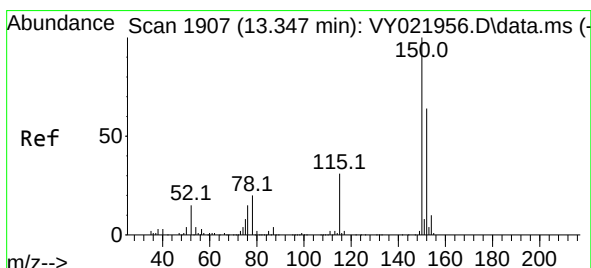
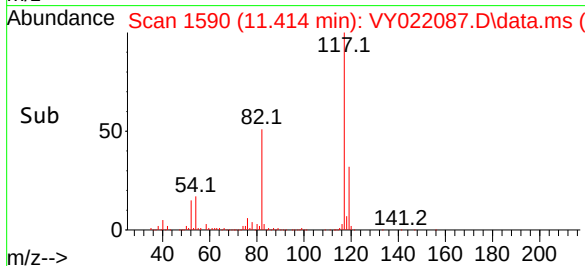
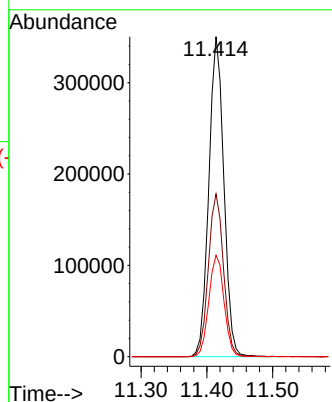
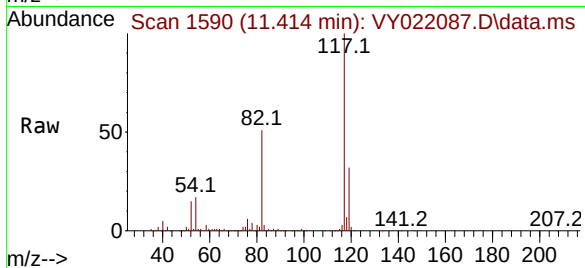
Tgt Ion:117 Resp: 556238

Ion Ratio Lower Upper

117 100

82 50.8 42.1 63.1

119 31.7 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: VY022087.D

Acq: 30 Apr 2025 17:05

Tgt Ion:152 Resp: 176600

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 156.7 0.0 345.6

