

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030625\
 Data File : VY021444.D
 Acq On : 06 Mar 2025 18:56
 Operator : SY/MD
 Sample : Q1463-06
 Misc : 6.41g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T6

Quant Time: Mar 07 00:42:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	224114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	420682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	363546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	137758	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	143059	60.394	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.780%
35) Dibromofluoromethane	7.634	113	142620	51.577	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.160%
50) Toluene-d8	10.109	98	439828	42.009	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	84.020%
62) 4-Bromofluorobenzene	12.407	95	150442	42.242	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.480%

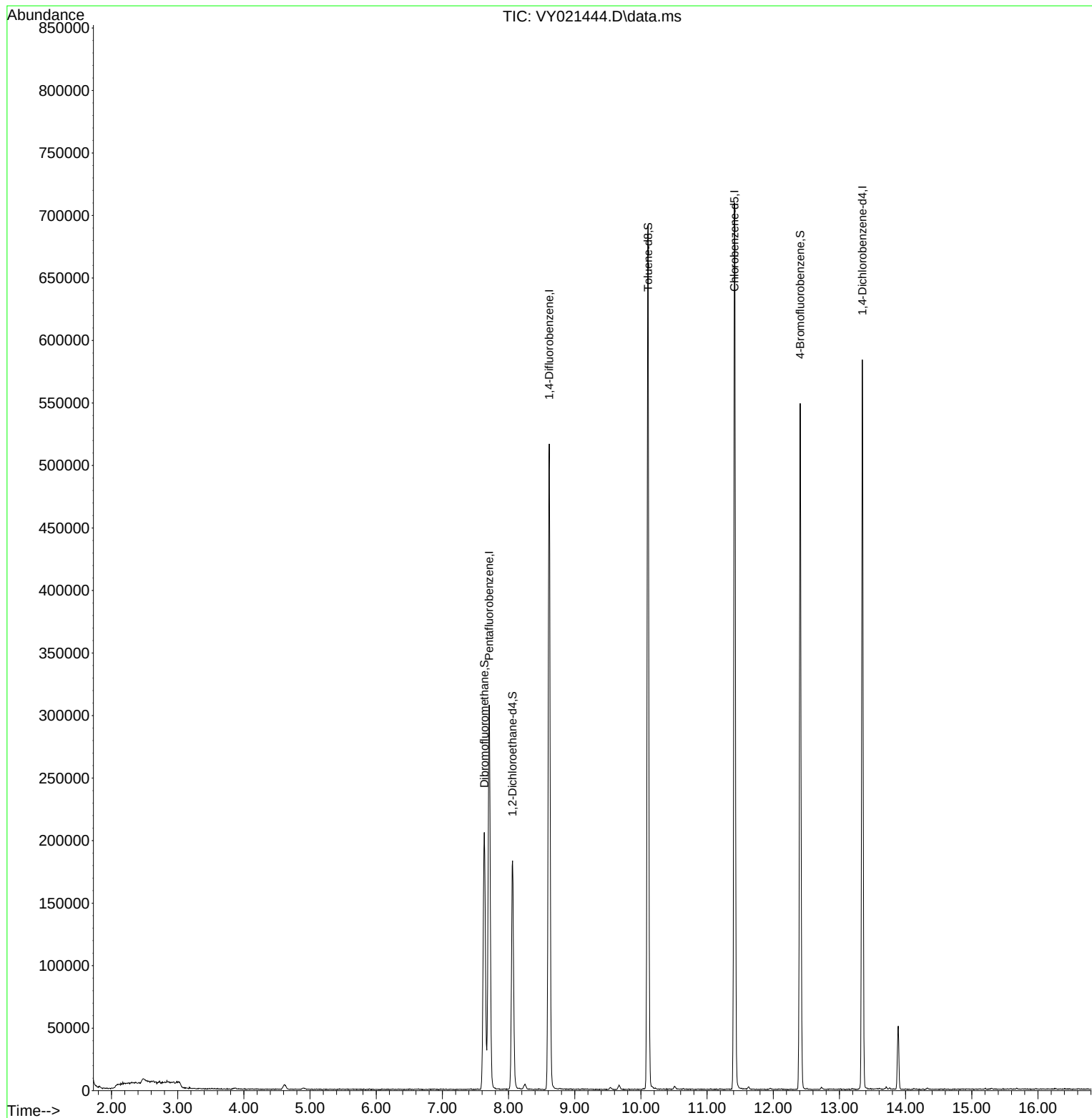
Target Compounds	Qvalue

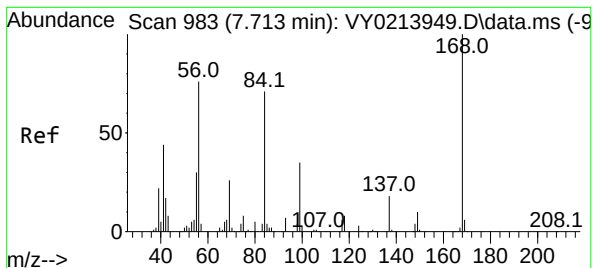
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY021444.D

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MSVOA_Y

ClientSampleId :

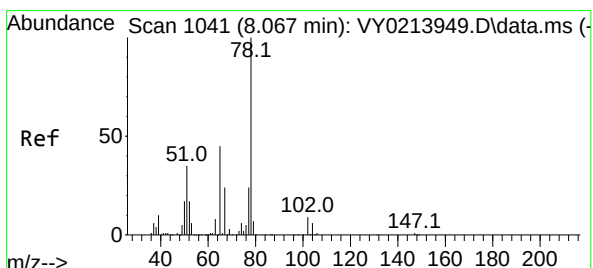
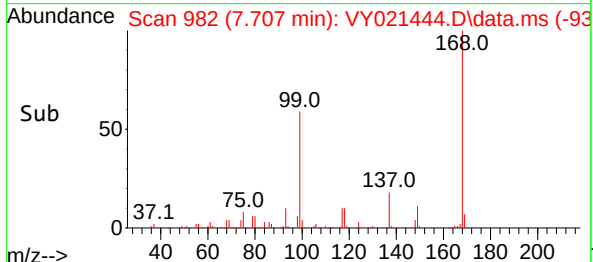
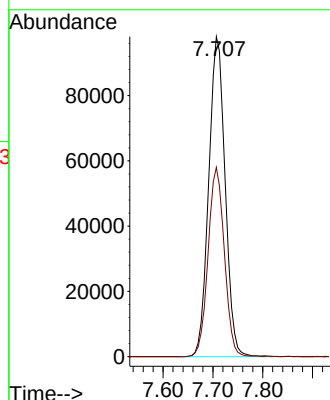
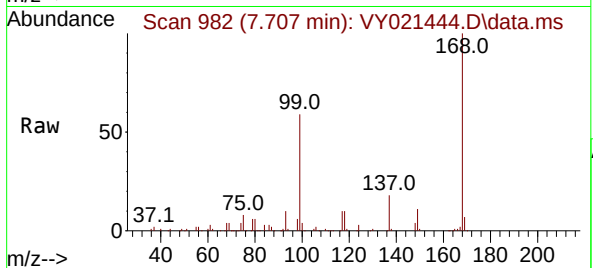
T6

Tgt Ion:168 Resp: 224114

Ion Ratio Lower Upper

168 100

99 59.2 46.0 69.0



#33

1,2-Dichloroethane-d4

Concen: 60.394 ug/l

RT: 8.060 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY021444.D

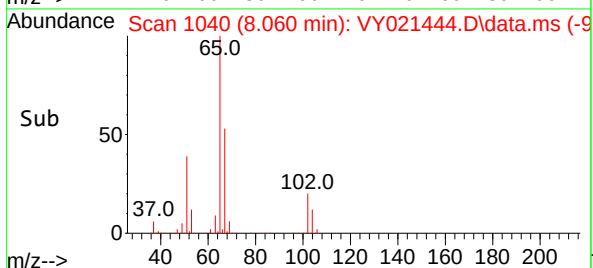
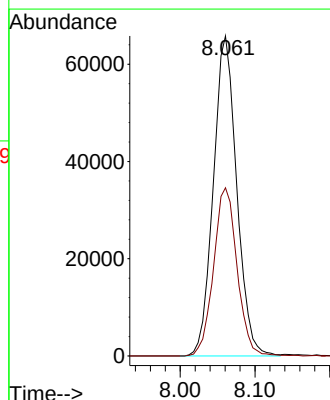
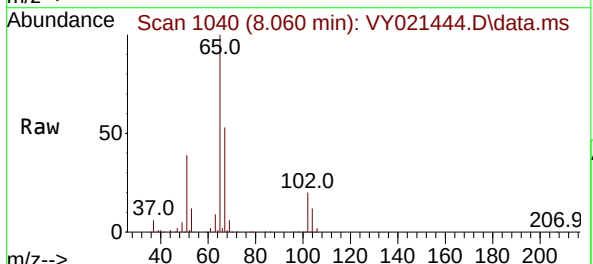
Acq: 06 Mar 2025 18:56

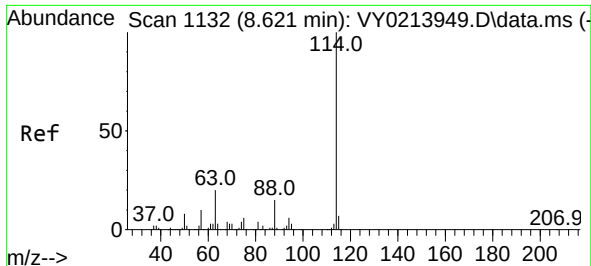
Tgt Ion: 65 Resp: 143059

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.8

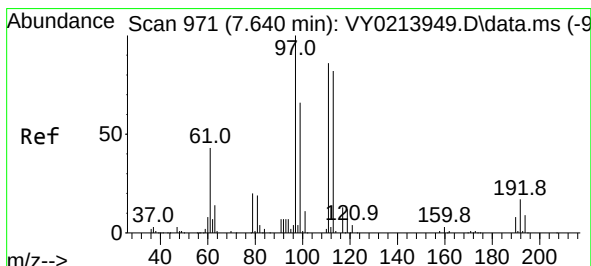
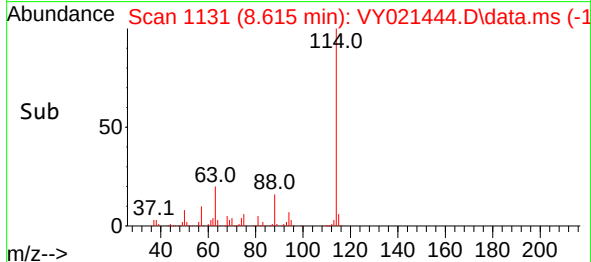
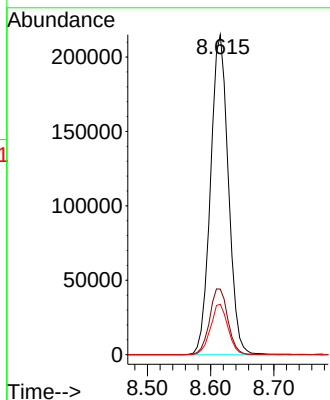
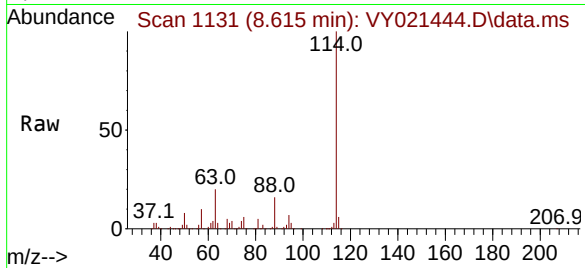




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021444.D
Acq: 06 Mar 2025 18:56

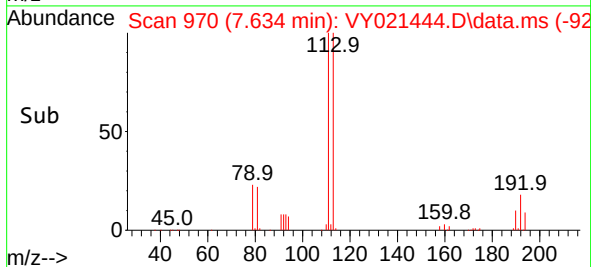
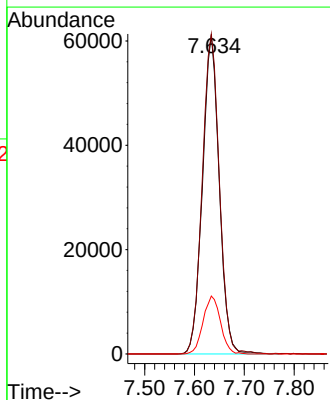
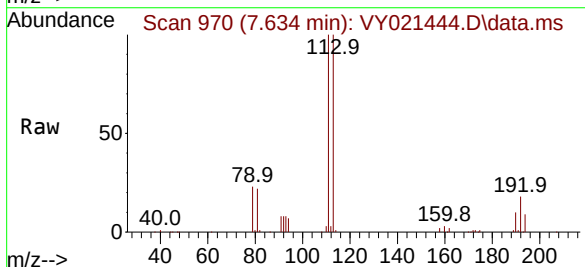
Instrument :
MSVOA_Y
ClientSampleId :
T6

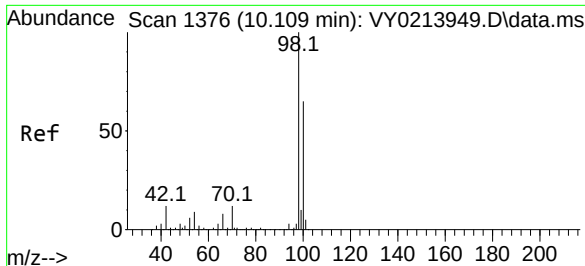
Tgt Ion:114 Resp: 420682
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 51.577 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021444.D
Acq: 06 Mar 2025 18:56

Tgt Ion:113 Resp: 142620
Ion Ratio Lower Upper
113 100
111 102.4 82.0 123.0
192 18.8 15.9 23.9

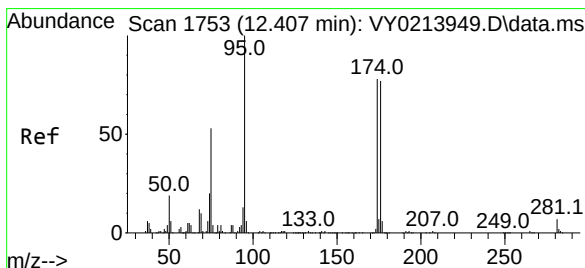
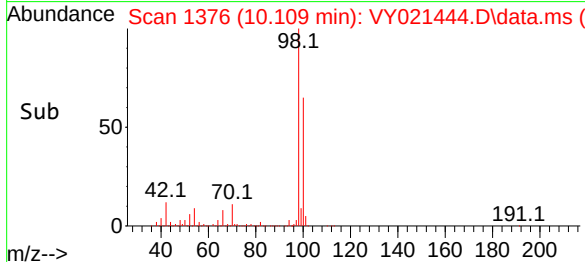
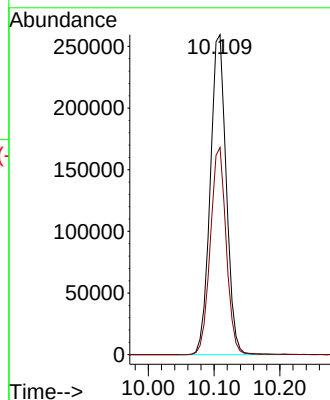
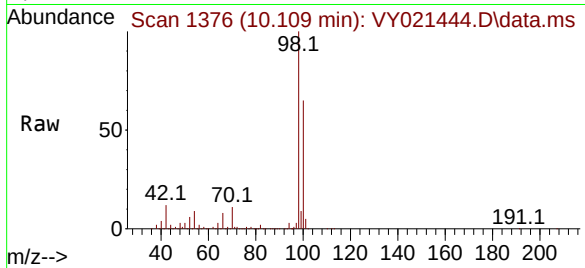




#50
Toluene-d8
Concen: 42.009 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021444.D
Acq: 06 Mar 2025 18:56

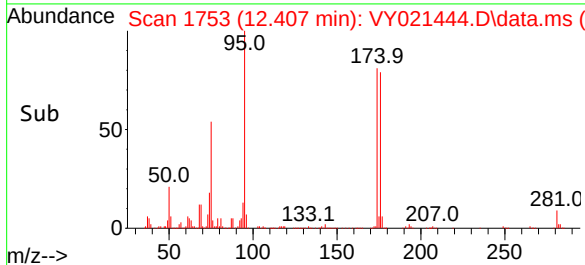
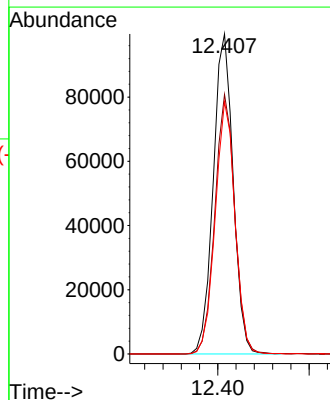
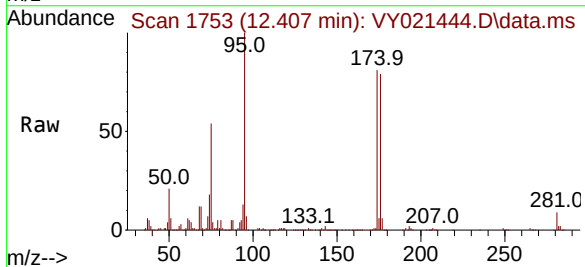
Instrument :
MSVOA_Y
ClientSampleId :
T6

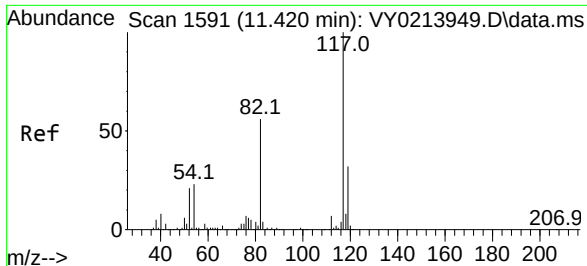
Tgt Ion: 98 Resp: 439828
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 42.242 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021444.D
Acq: 06 Mar 2025 18:56

Tgt Ion: 95 Resp: 150442
Ion Ratio Lower Upper
95 100
174 81.4 0.0 165.0
176 78.6 0.0 160.0

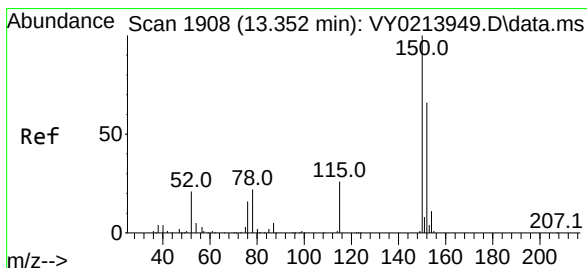
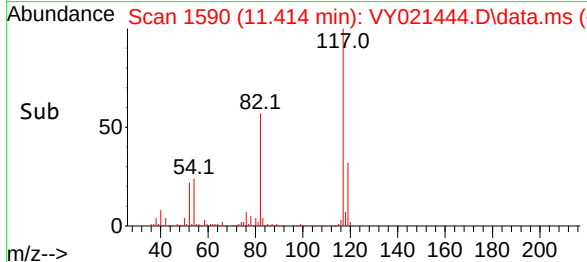
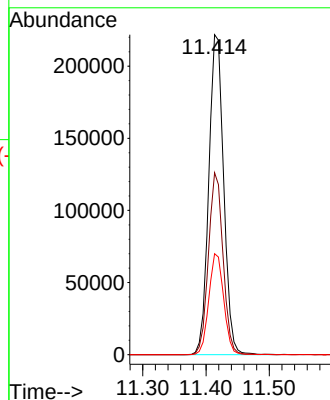
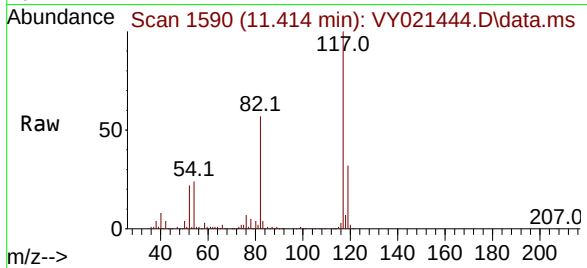




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021444.D
Acq: 06 Mar 2025 18:56

Instrument :
MSVOA_Y
ClientSampleId :
T6

Tgt Ion:117 Resp: 363546
Ion Ratio Lower Upper
117 100
82 56.8 44.6 67.0
119 31.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021444.D
Acq: 06 Mar 2025 18:56

Tgt Ion:152 Resp: 137758
Ion Ratio Lower Upper
152 100
115 59.7 29.0 87.0
150 156.4 0.0 347.2

