

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052325\
 Data File : VY022413.D
 Acq On : 23 May 2025 18:01
 Operator : SY/MD
 Sample : Q2100-03
 Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-21

Quant Time: May 23 23:23:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	340717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	608366	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	471350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	165102	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	181573	48.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.520%
35) Dibromofluoromethane	7.640	113	181713	50.044	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.080%
50) Toluene-d8	10.109	98	712382	47.903	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.800%
62) 4-Bromofluorobenzene	12.408	95	175882	37.313	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	74.620%

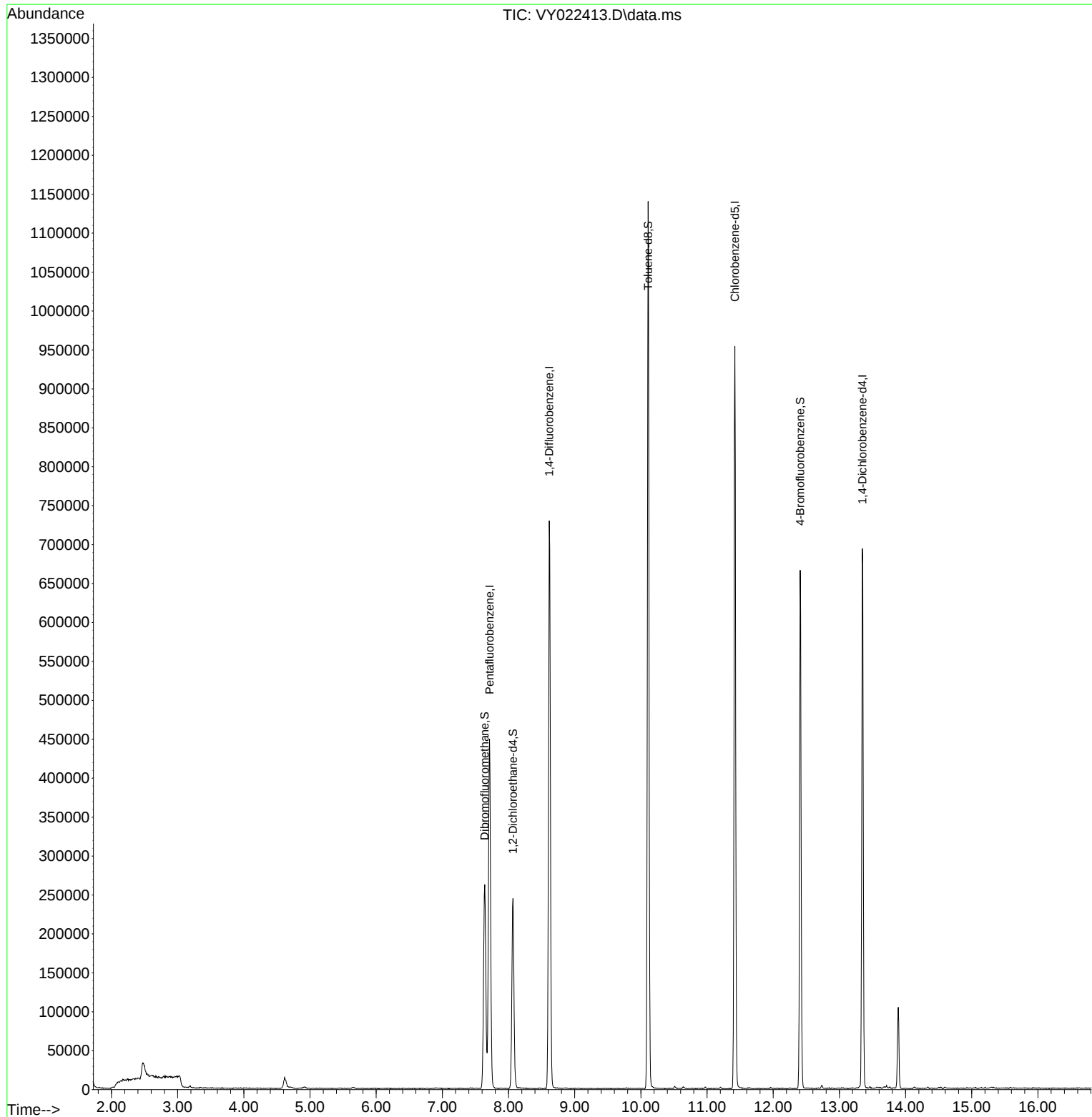
Target Compounds	Qvalue

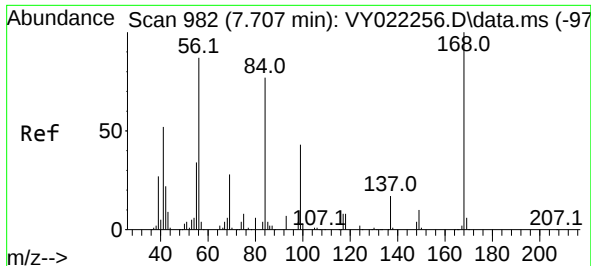
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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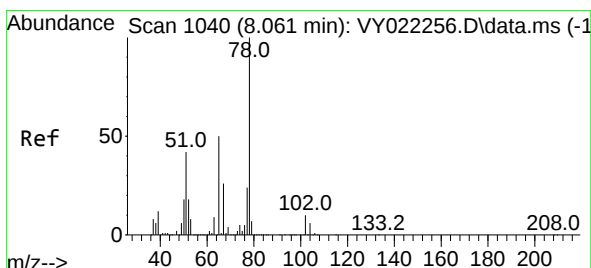
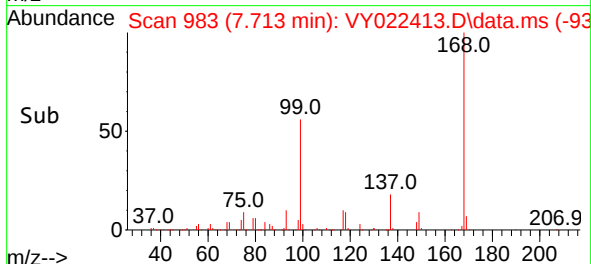
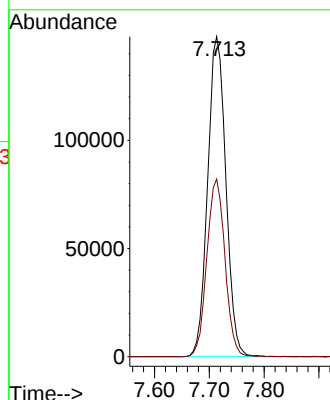
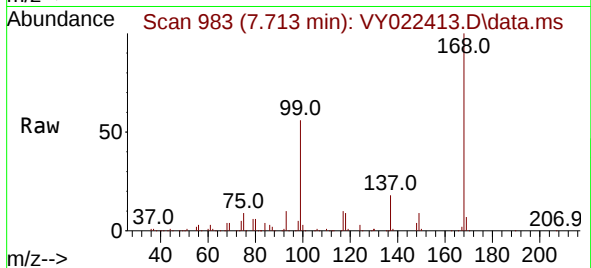




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

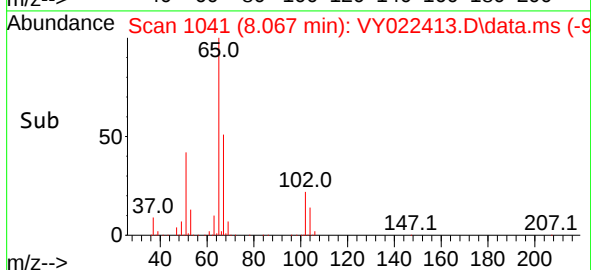
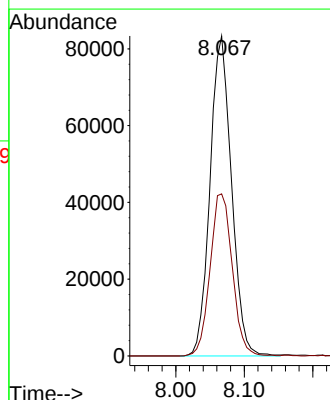
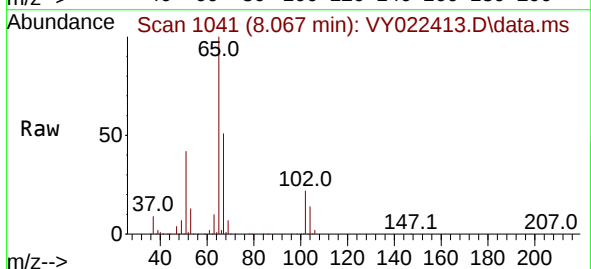
Instrument :
MSVOA_Y
ClientSampleId :
TP-21

Tgt Ion:168 Resp: 340717
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.761 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

Tgt Ion: 65 Resp: 181573
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6

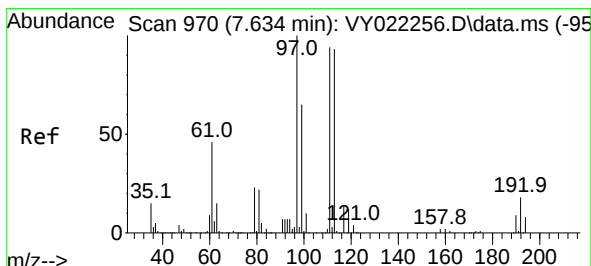
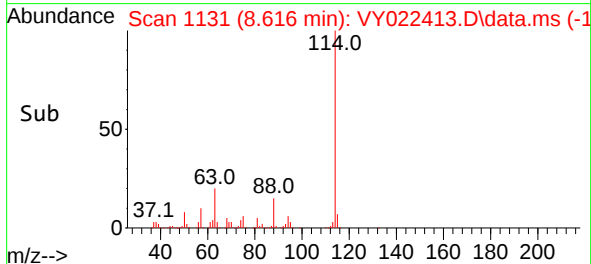
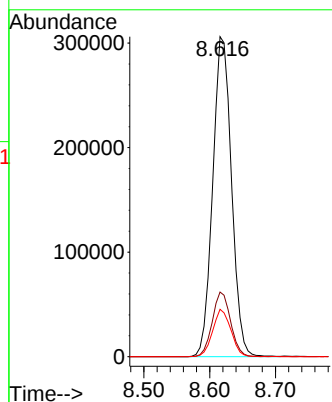
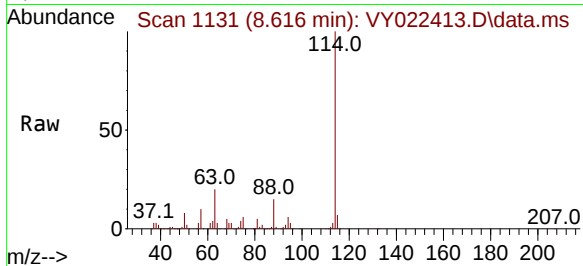




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

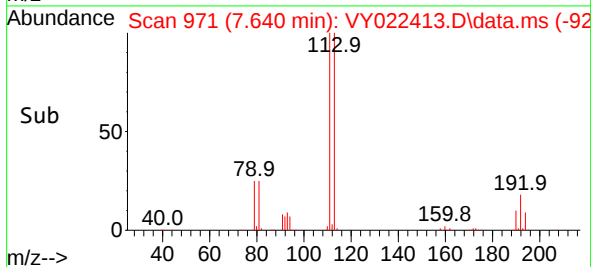
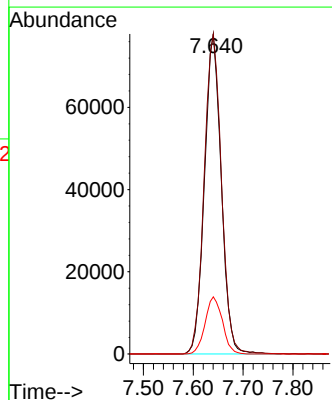
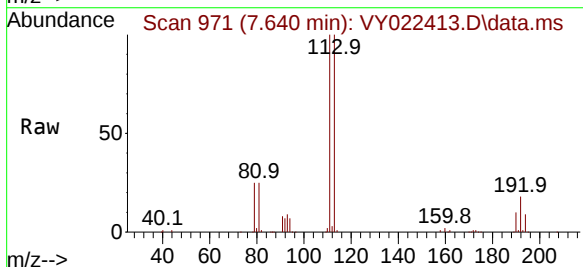
Instrument :
MSVOA_Y
ClientSampleId :
TP-21

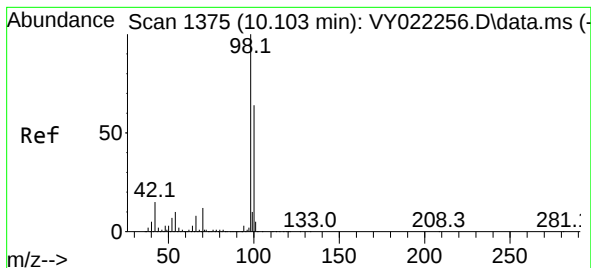
Tgt Ion:114 Resp: 608366
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.0
88 14.8 0.0 29.4



#35
Dibromofluoromethane
Concen: 50.044 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

Tgt Ion:113 Resp: 181713
Ion Ratio Lower Upper
113 100
111 102.8 82.6 123.8
192 18.4 15.2 22.8

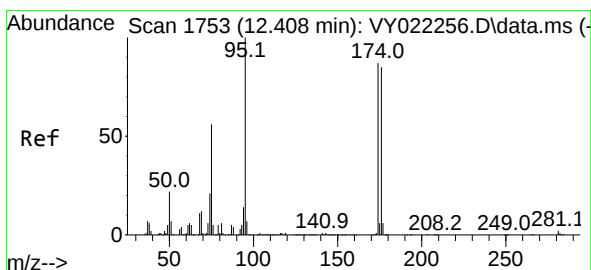
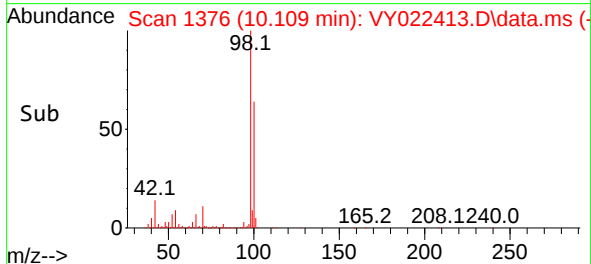
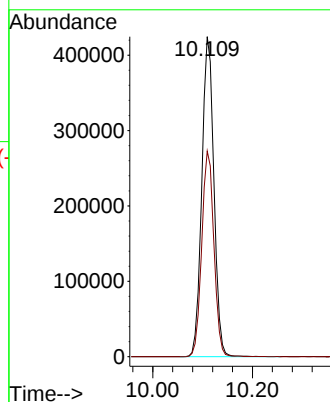
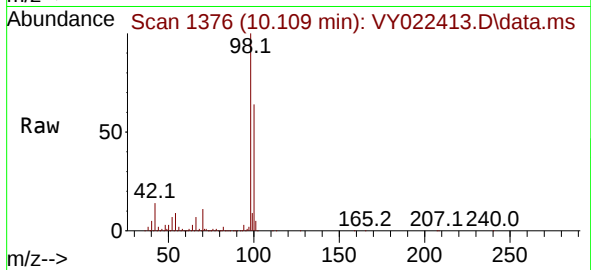




#50
Toluene-d8
Concen: 47.903 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

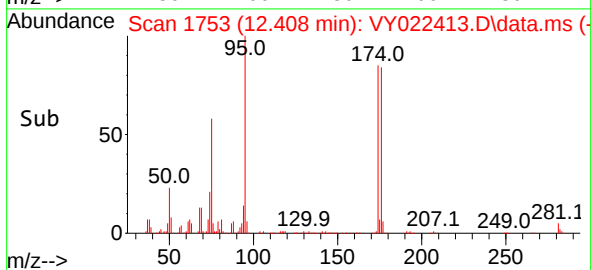
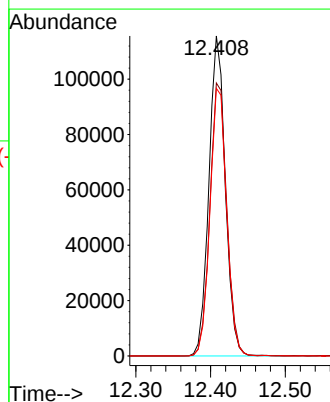
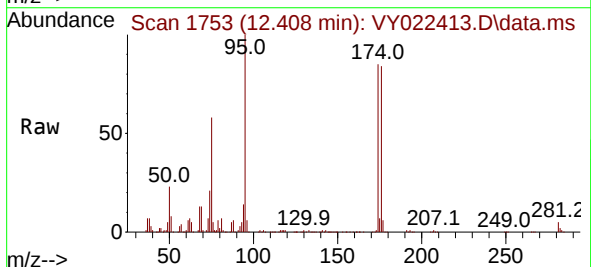
Instrument :
MSVOA_Y
ClientSampleId :
TP-21

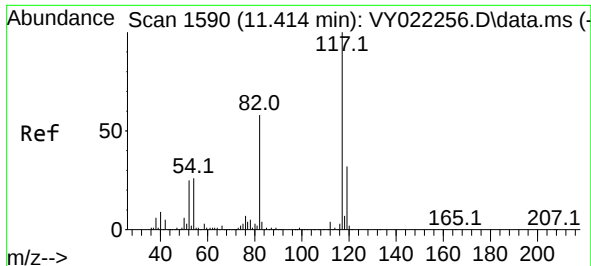
Tgt Ion: 98 Resp: 712382
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 37.313 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

Tgt Ion: 95 Resp: 175882
Ion Ratio Lower Upper
95 100
174 87.9 0.0 166.8
176 85.5 0.0 160.8

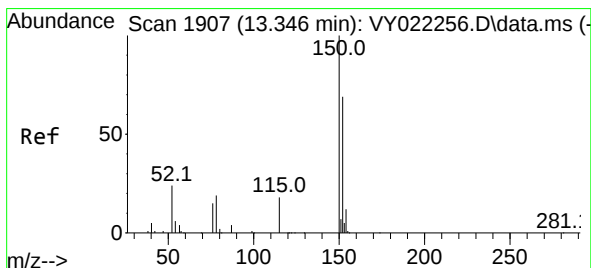
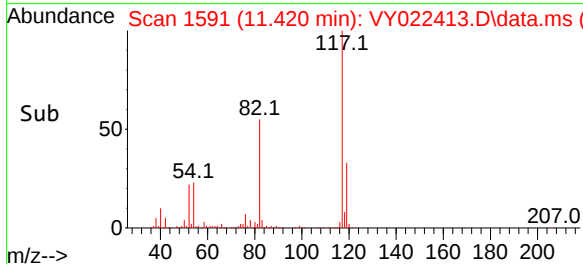
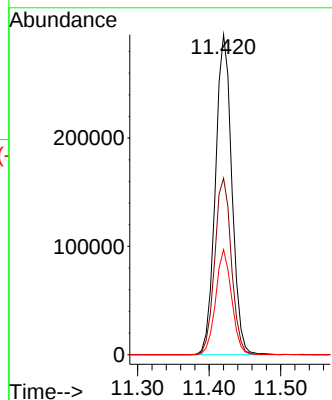
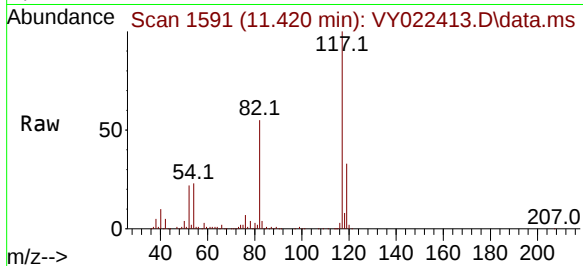




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

Instrument :
MSVOA_Y
ClientSampleId :
TP-21

Tgt Ion:117 Resp: 471350
Ion Ratio Lower Upper
117 100
82 55.2 46.6 70.0
119 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022413.D
Acq: 23 May 2025 18:01

Tgt Ion:152 Resp: 165102
Ion Ratio Lower Upper
152 100
115 57.9 29.4 88.2
150 159.9 0.0 353.8

