

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021599.D
 Acq On : 21 Mar 2025 15:02
 Operator : SY/MD
 Sample : Q1619-09
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Mar 21 23:11:38 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	222178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	425843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	398914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160390	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158313	67.416	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.840%
35) Dibromofluoromethane	7.634	113	148548	53.069	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.140%
50) Toluene-d8	10.103	98	525783	49.610	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.220%
62) 4-Bromofluorobenzene	12.408	95	169261	46.950	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.900%

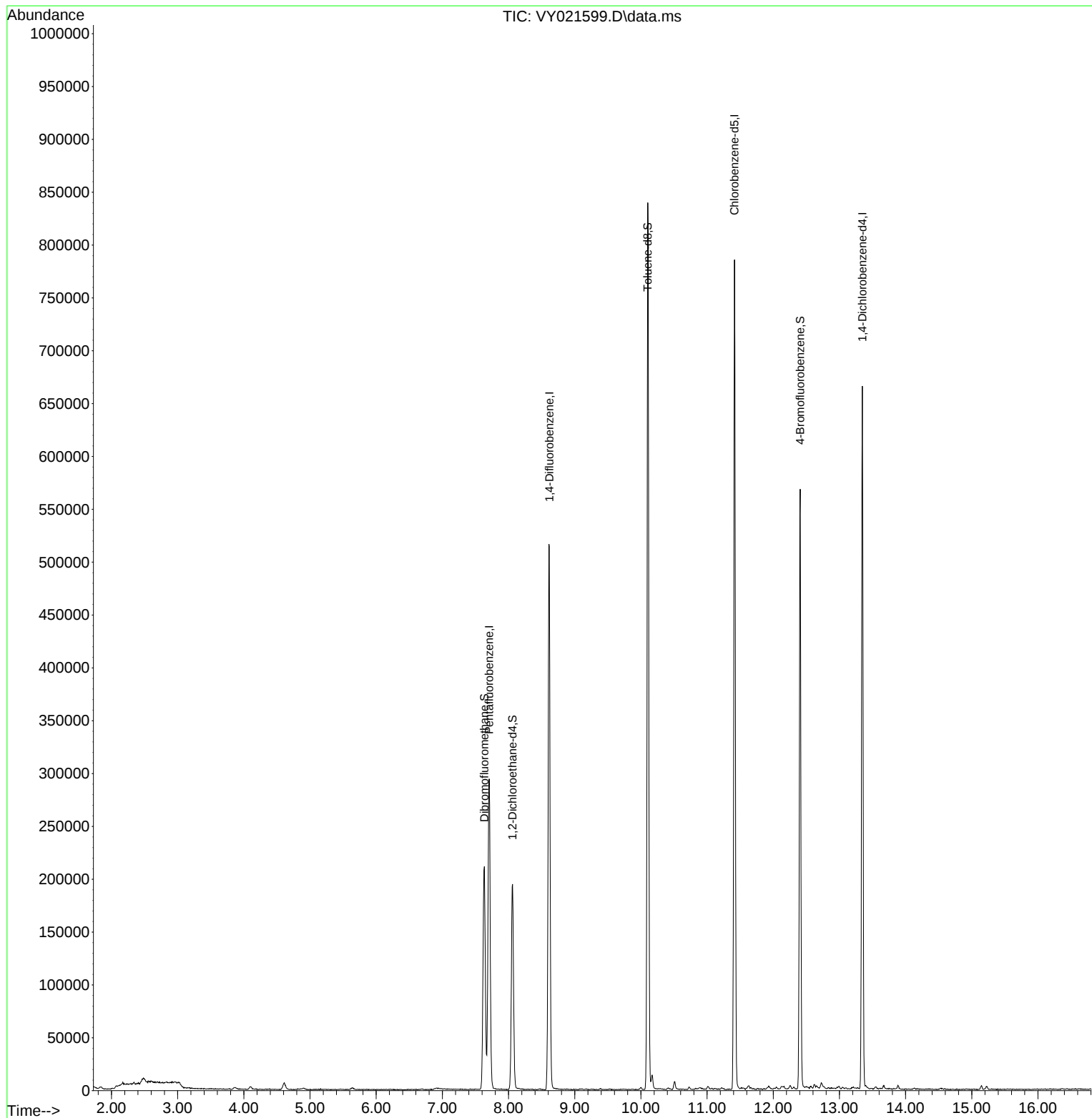
Target Compounds	Qvalue

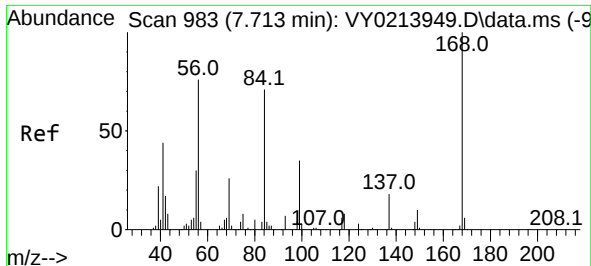
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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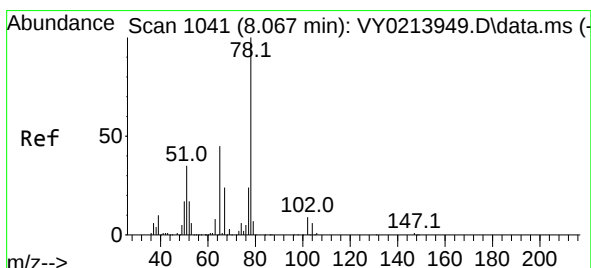
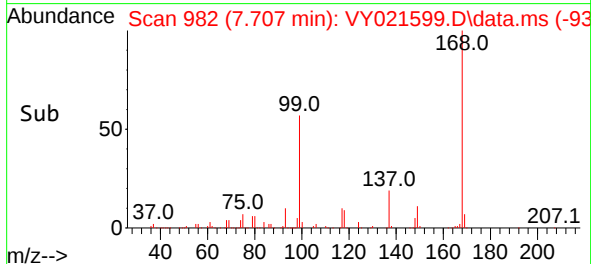
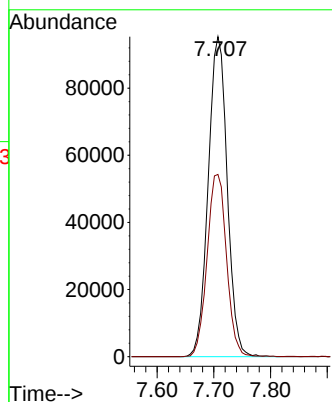
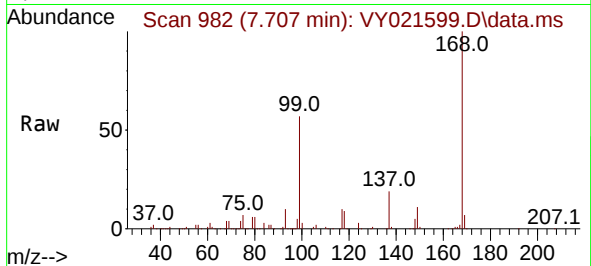




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

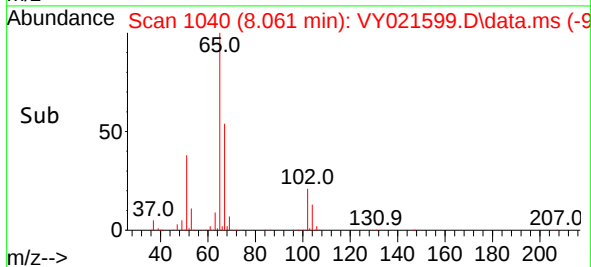
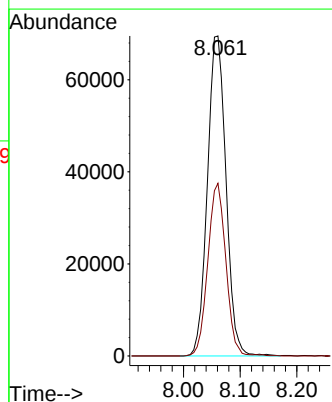
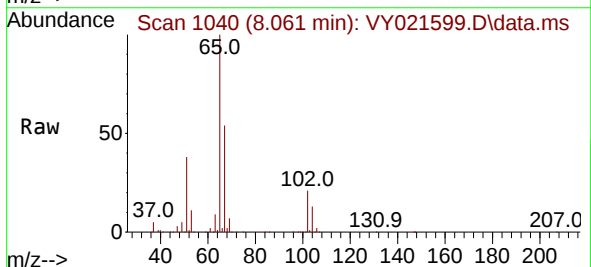
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

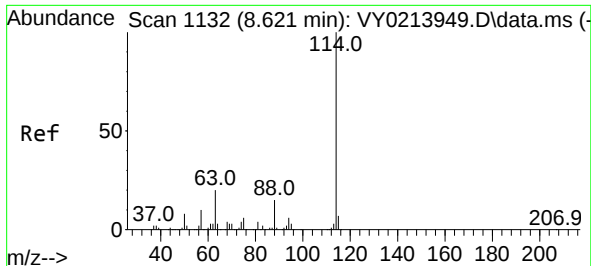
Tgt Ion:168 Resp: 222178
Ion Ratio Lower Upper
168 100
99 56.9 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 67.416 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion: 65 Resp: 158313
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.8

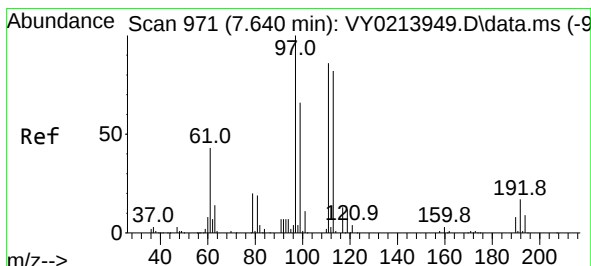
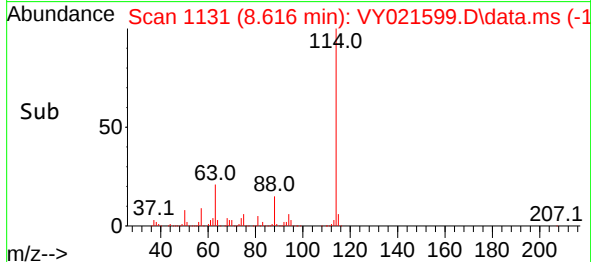
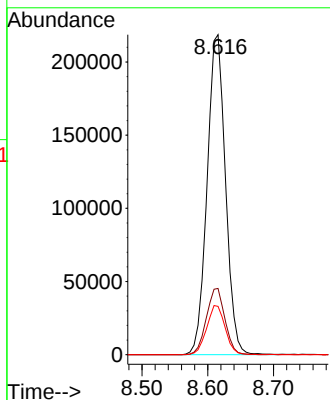
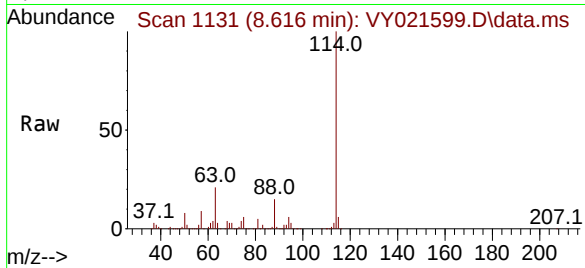




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

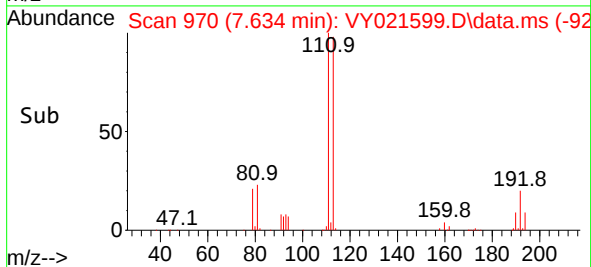
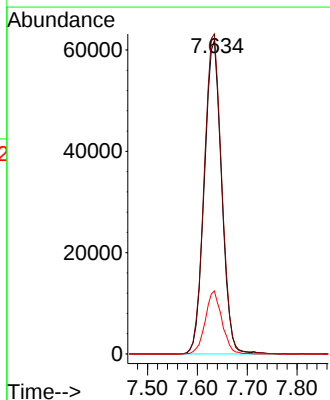
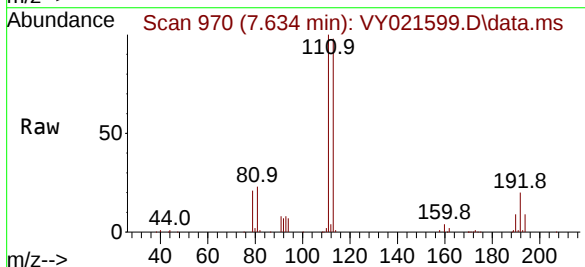
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ClientSampleId :
TP-3

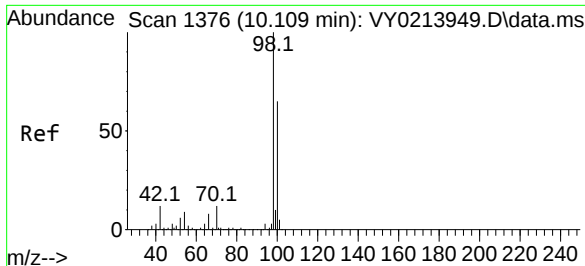
Tgt Ion:114 Resp: 425843
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.8
88 15.1 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.069 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion:113 Resp: 148548
Ion Ratio Lower Upper
113 100
111 103.6 82.0 123.0
192 19.4 15.9 23.9

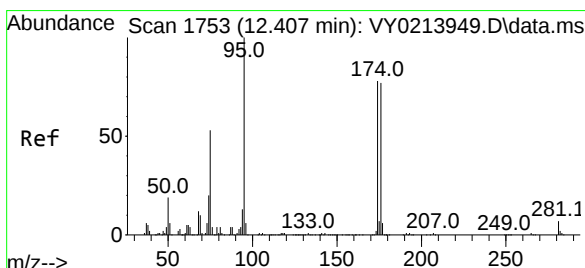
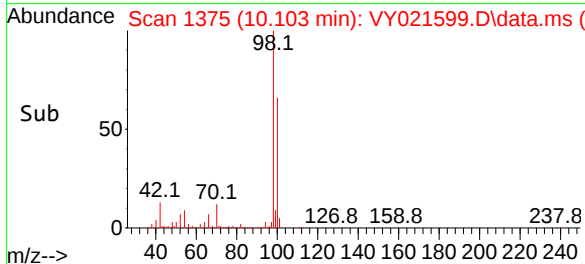
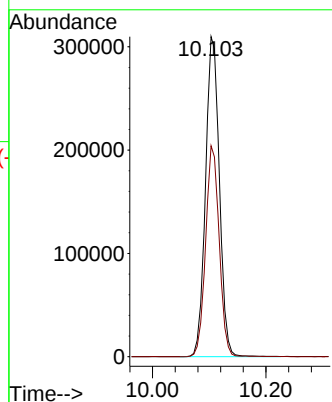
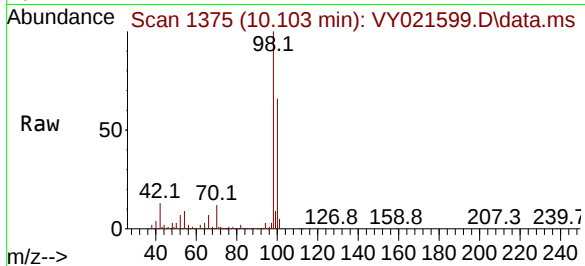




#50
Toluene-d8
Concen: 49.610 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

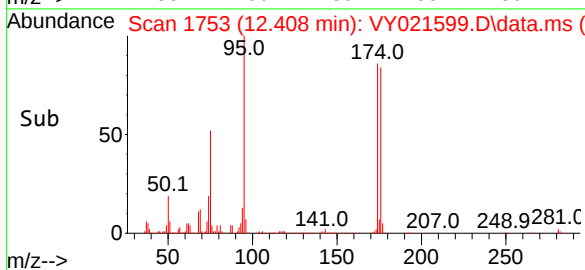
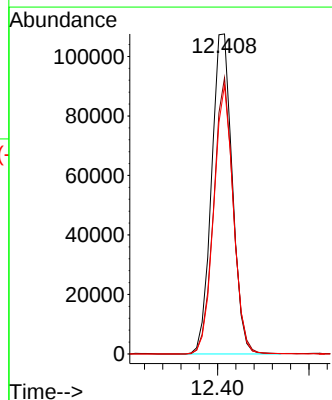
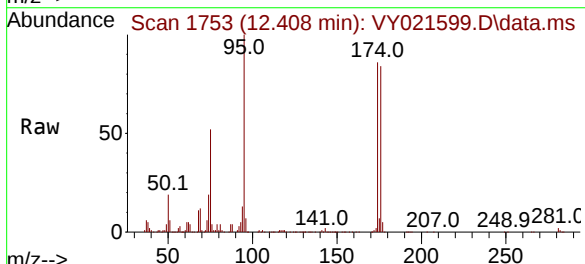
Instrument :
MSVOA_Y
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TP-3

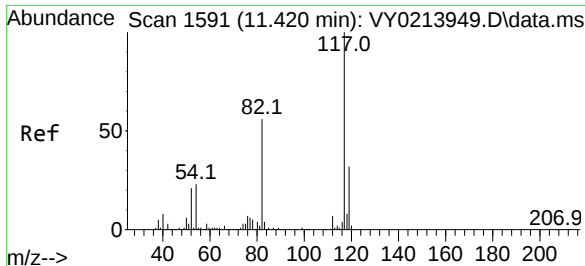
Tgt Ion: 98 Resp: 525783
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.950 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion: 95 Resp: 169261
Ion Ratio Lower Upper
95 100
174 81.5 0.0 165.0
176 79.5 0.0 160.0

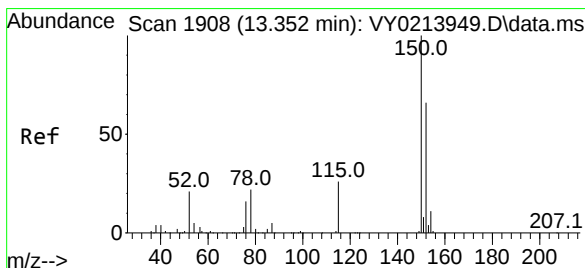
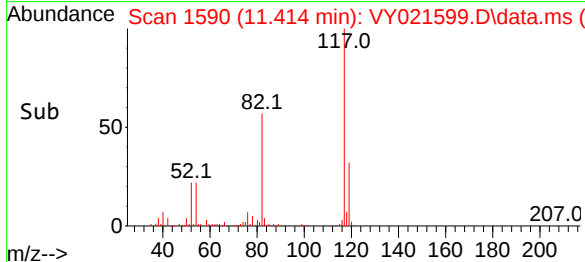
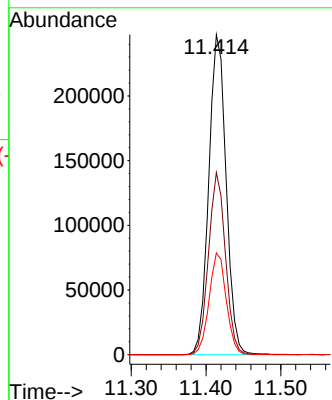
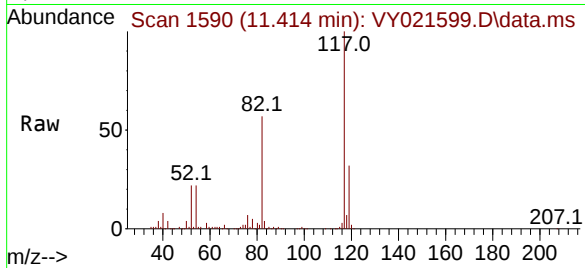




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY021599.D
Acq: 21 Mar 2025 15:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion:117 Resp: 398914
Ion Ratio Lower Upper
117 100
82 56.9 44.6 67.0
119 31.8 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: VY021599.D
Acq: 21 Mar 2025 15:02

Tgt Ion:152 Resp: 160390
Ion Ratio Lower Upper
152 100
115 59.3 29.0 87.0
150 157.3 0.0 347.2

