

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021595.D
 Acq On : 21 Mar 2025 13:28
 Operator : SY/MD
 Sample : Q1619-13
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-5

Quant Time: Mar 21 23:10:49 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	247136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	460663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	424771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180358	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	159409	61.028	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.060%
35) Dibromofluoromethane	7.634	113	157007	51.852	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.700%
50) Toluene-d8	10.103	98	563846	49.180	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.360%
62) 4-Bromofluorobenzene	12.408	95	184403	47.284	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.560%

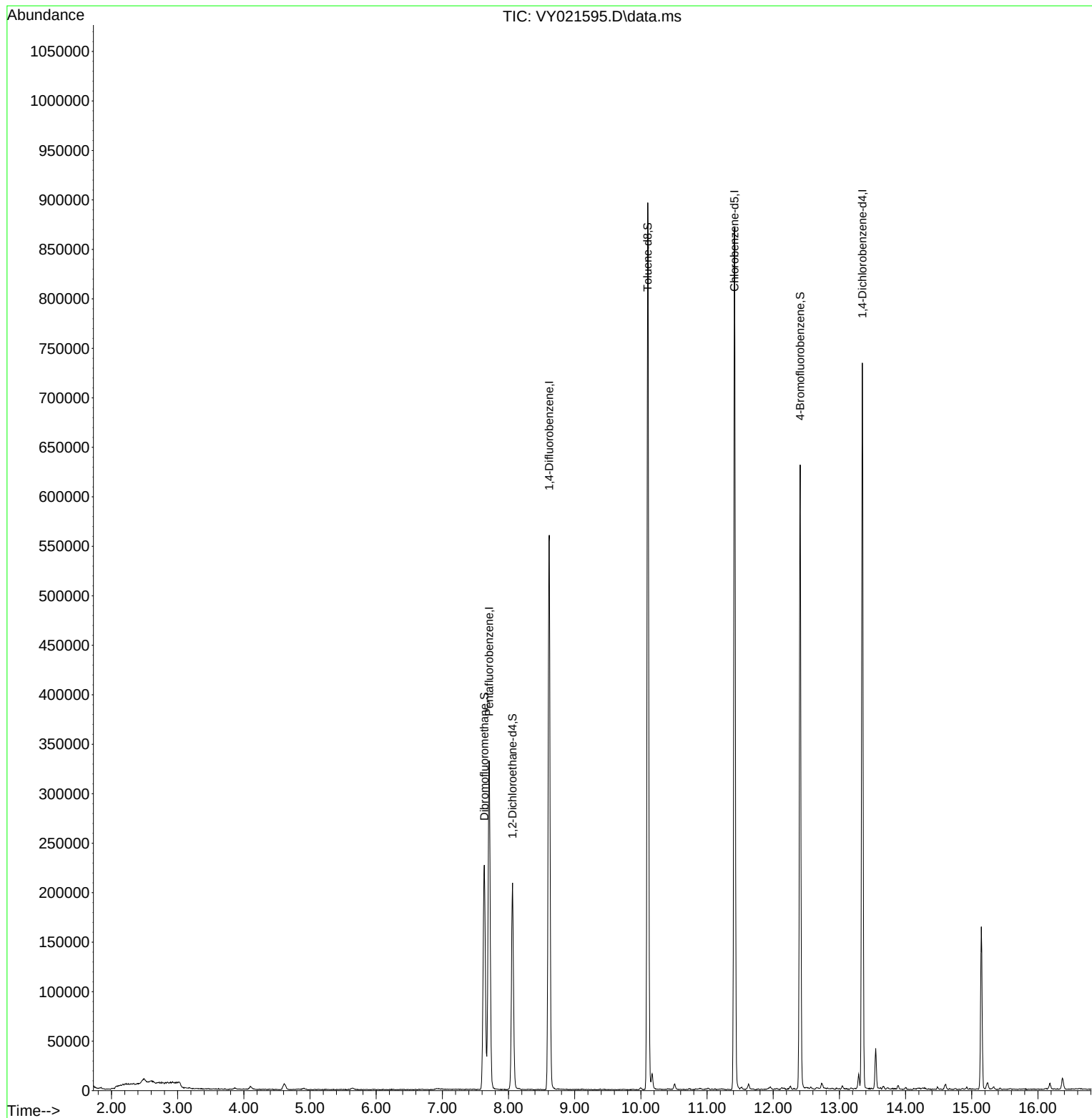
Target Compounds	Qvalue

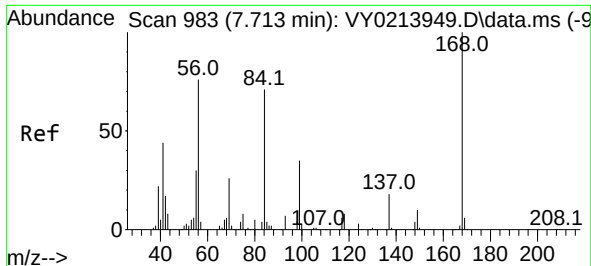
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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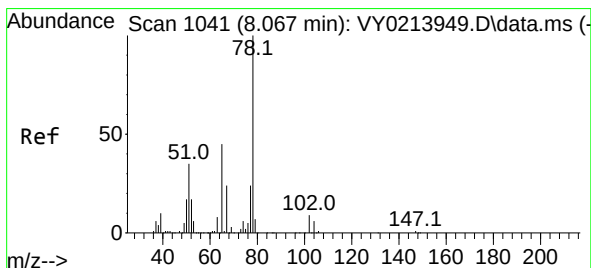
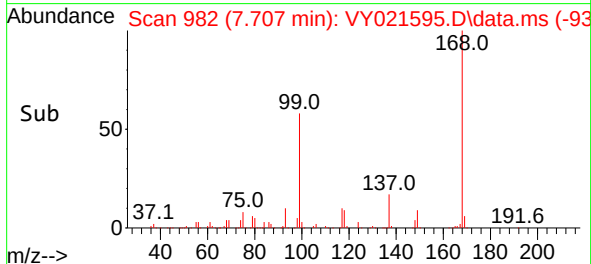
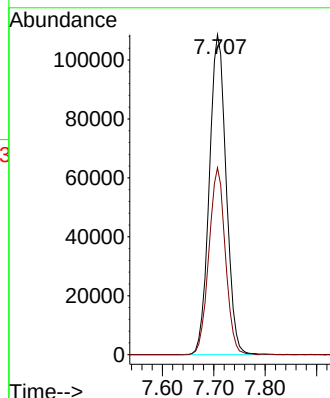
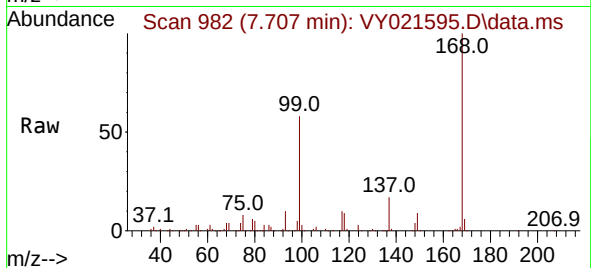




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021595.D
Acq: 21 Mar 2025 13:28

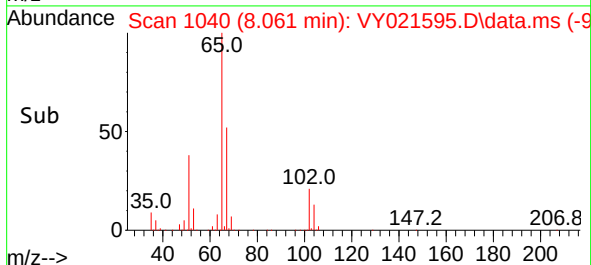
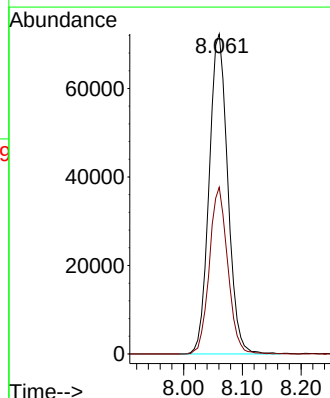
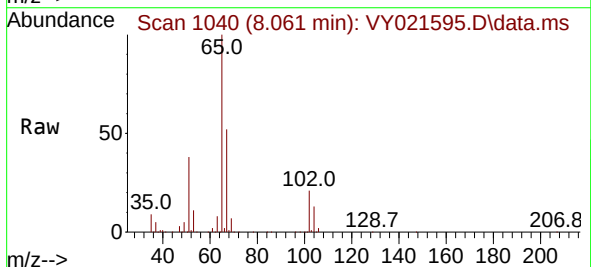
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

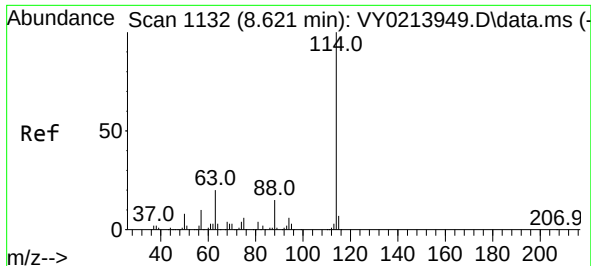
Tgt Ion:168 Resp: 247136
Ion Ratio Lower Upper
168 100
99 58.4 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 61.028 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021595.D
Acq: 21 Mar 2025 13:28

Tgt Ion: 65 Resp: 159409
Ion Ratio Lower Upper
65 100
67 51.3 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: VY021595.D

Acq: 21 Mar 2025 13:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-5

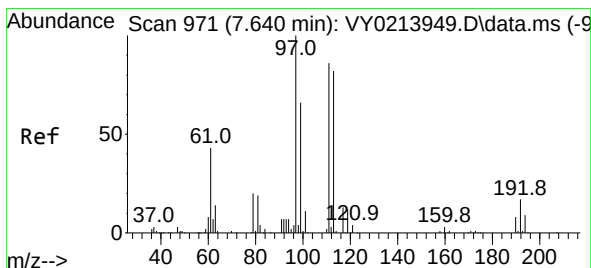
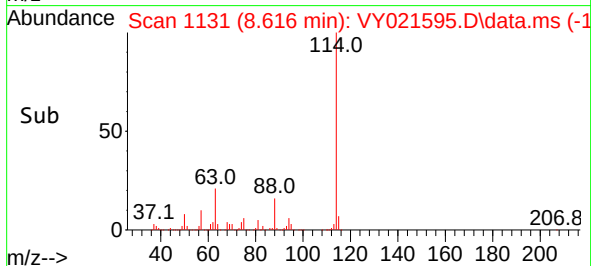
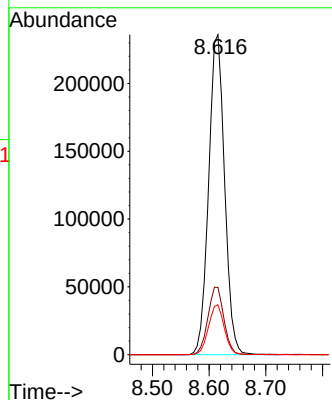
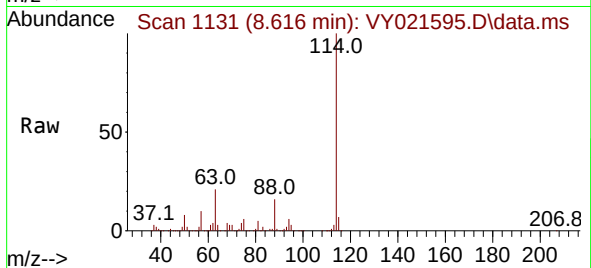
Tgt Ion:114 Resp: 460663

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.6 0.0 30.8



#35

Dibromofluoromethane

Concen: 51.852 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021595.D

Acq: 21 Mar 2025 13:28

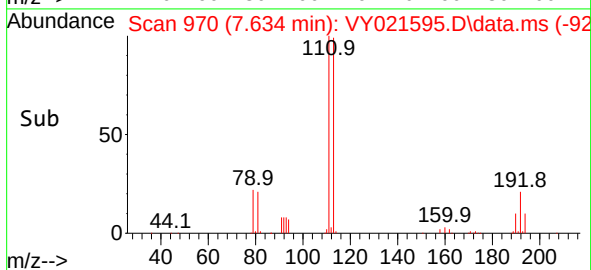
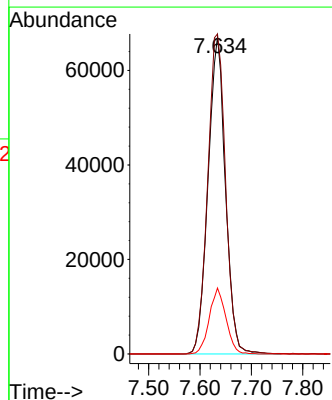
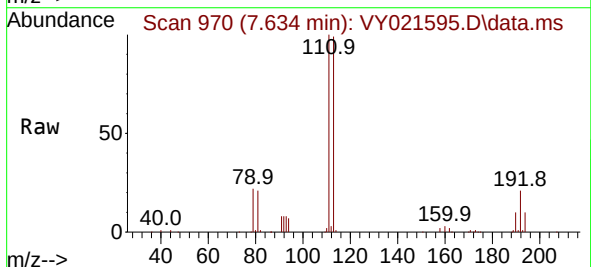
Tgt Ion:113 Resp: 157007

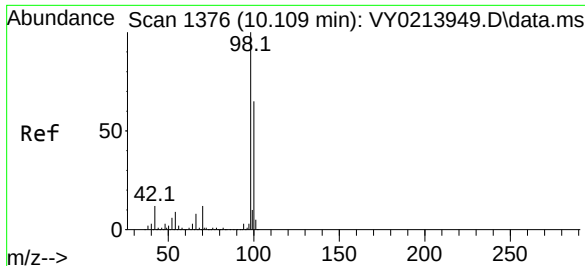
Ion Ratio Lower Upper

113 100

111 104.3 82.0 123.0

192 20.0 15.9 23.9

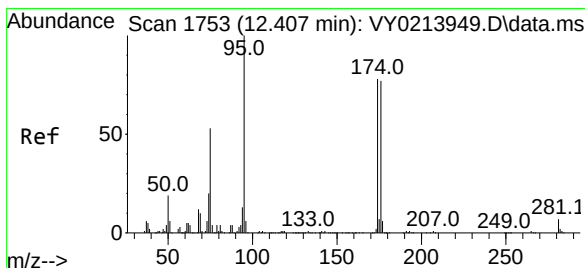
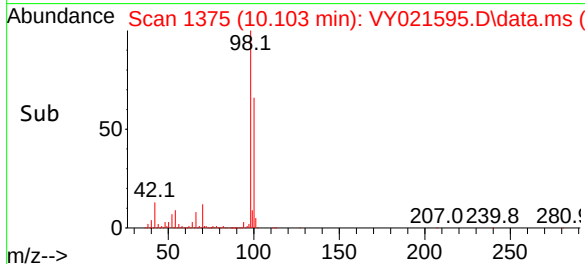
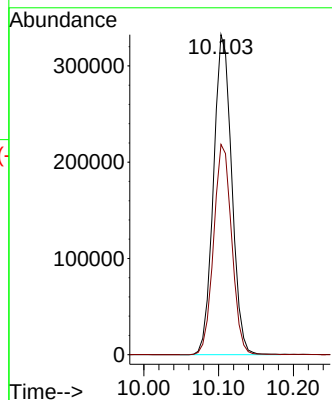
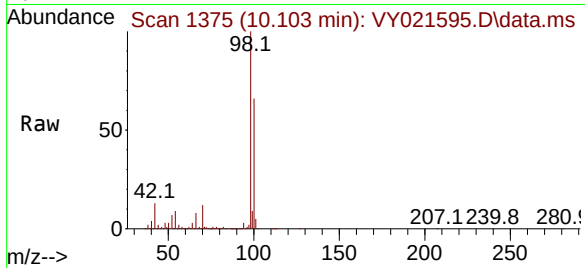




#50
Toluene-d8
Concen: 49.180 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021595.D
Acq: 21 Mar 2025 13:28

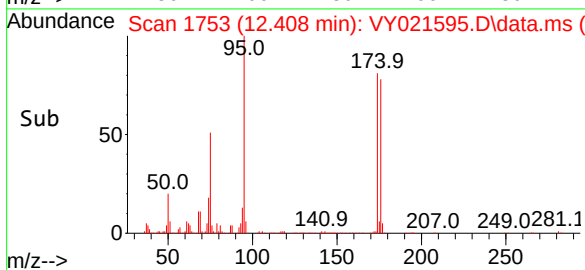
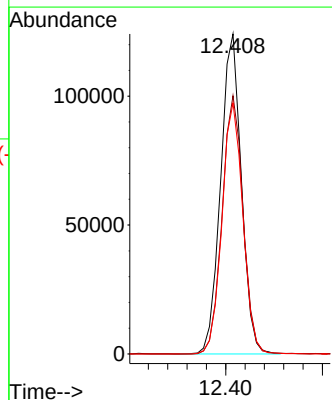
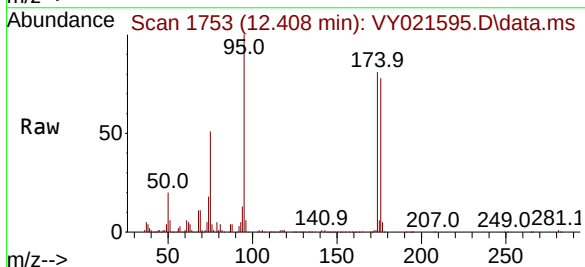
Instrument :
MSVOA_Y
ClientSampleId :
TP-5

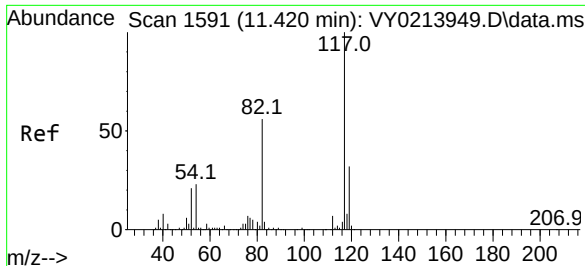
Tgt Ion: 98 Resp: 563846
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.284 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021595.D
Acq: 21 Mar 2025 13:28

Tgt Ion: 95 Resp: 184403
Ion Ratio Lower Upper
95 100
174 81.7 0.0 165.0
176 79.0 0.0 160.0

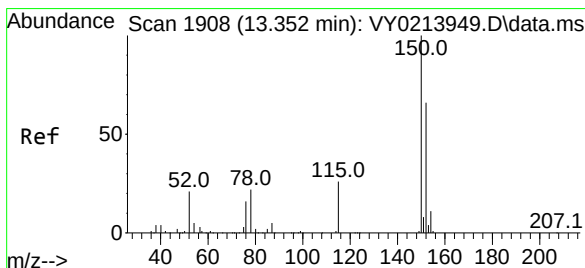
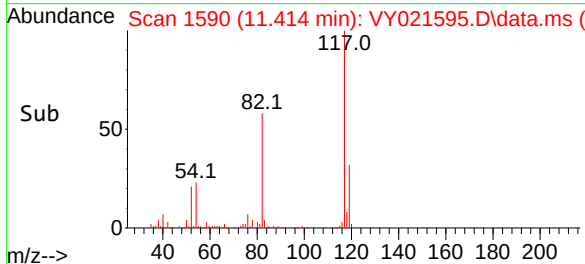
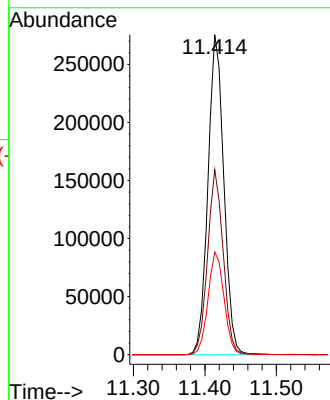
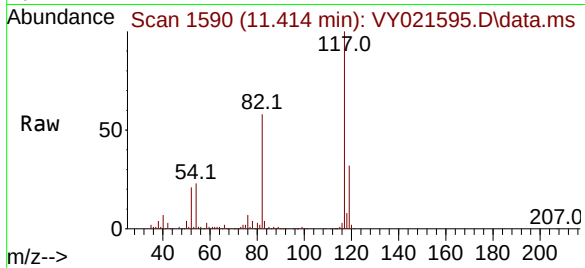




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021595.D
Acq: 21 Mar 2025 13:28

Instrument :
MSVOA_Y
ClientSampleId :
TP-5

Tgt Ion:117 Resp: 424771
Ion Ratio Lower Upper
117 100
82 57.8 44.6 67.0
119 32.1 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: VY021595.D
Acq: 21 Mar 2025 13:28

Tgt Ion:152 Resp: 180358
Ion Ratio Lower Upper
152 100
115 58.1 29.0 87.0
150 156.6 0.0 347.2

