

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061925\
 Data File : VY022752.D
 Acq On : 19 Jun 2025 13:48
 Operator : SY/MD
 Sample : Q2364-02
 Misc : 5.34g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GAV1B

Quant Time: Jun 20 02:59:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	89285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	170451	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	144046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	53874	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55857	55.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.880%
35) Dibromofluoromethane	7.640	113	55951	54.995	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.980%
50) Toluene-d8	10.103	98	206564	50.248	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.500%
62) 4-Bromofluorobenzene	12.401	95	51629	42.152	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.300%

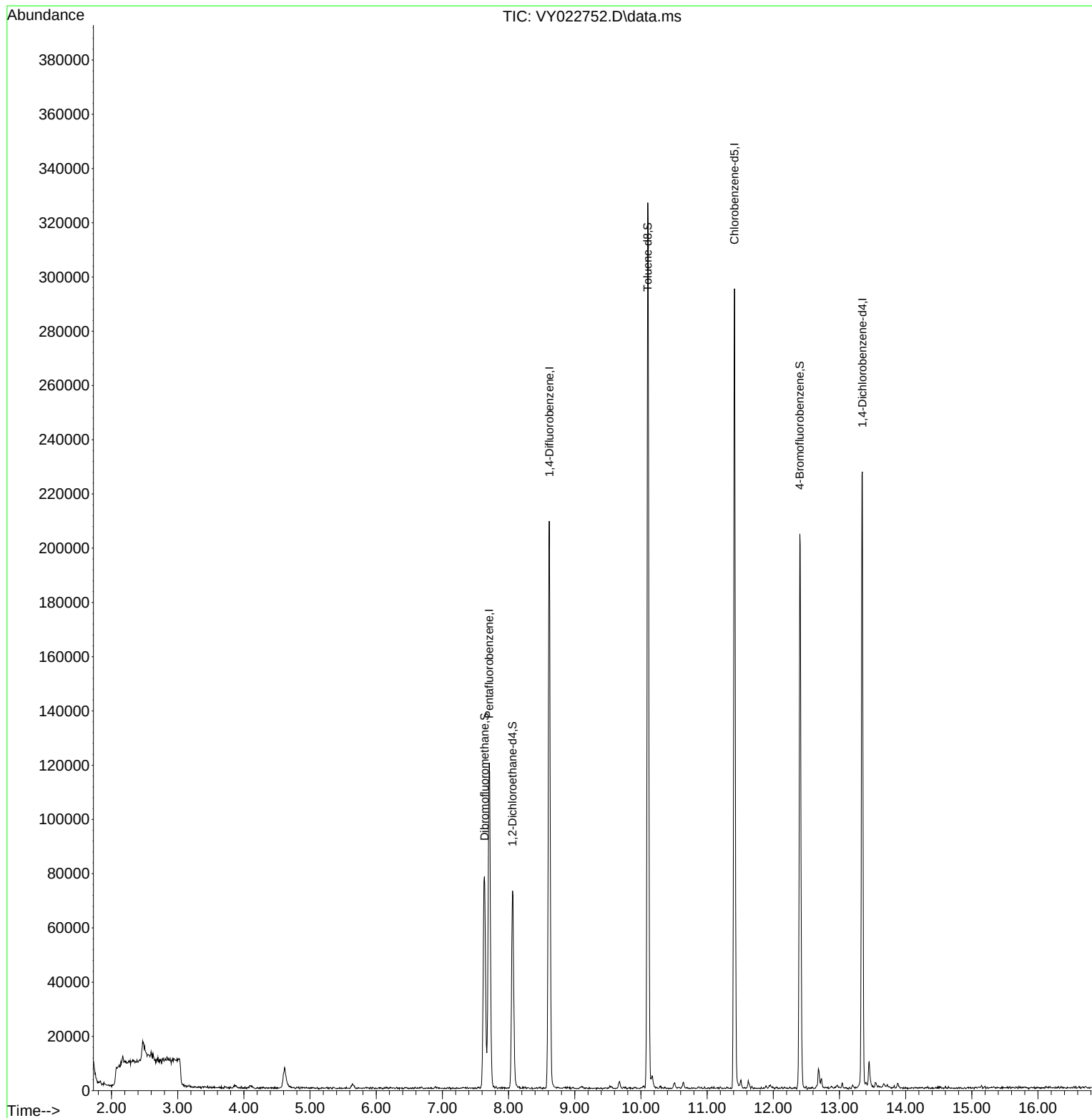
Target Compounds	Qvalue

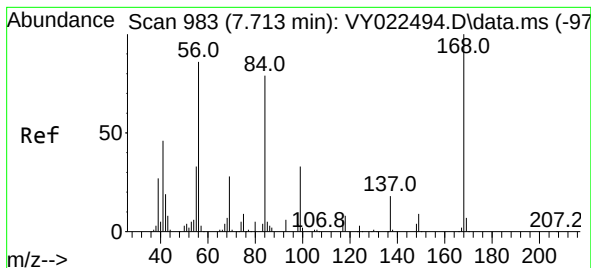
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY022752.D

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MSVOA_Y

ClientSampleId :

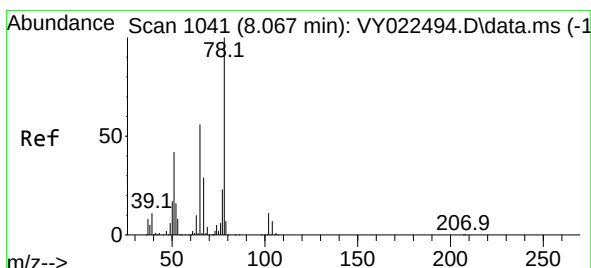
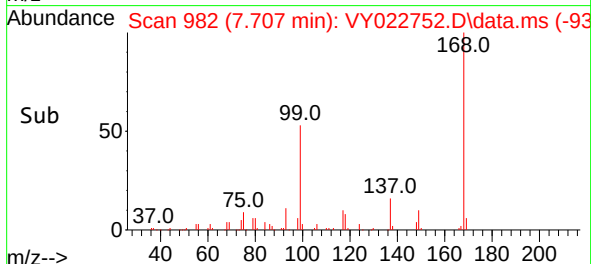
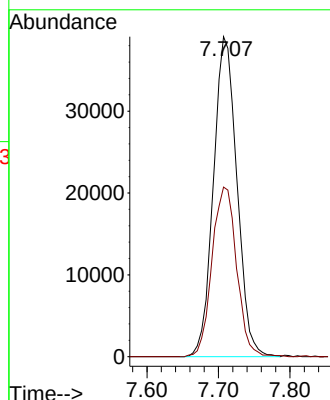
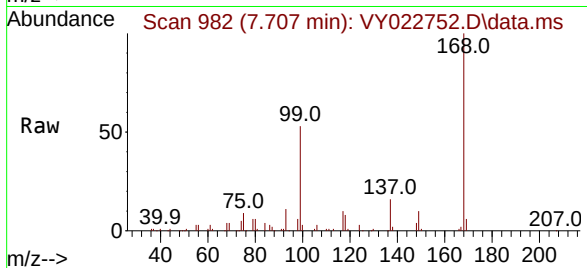
GAV1B

Tgt Ion:168 Resp: 89285

Ion Ratio Lower Upper

168 100

99 53.0 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 55.935 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.006 min

Lab File: VY022752.D

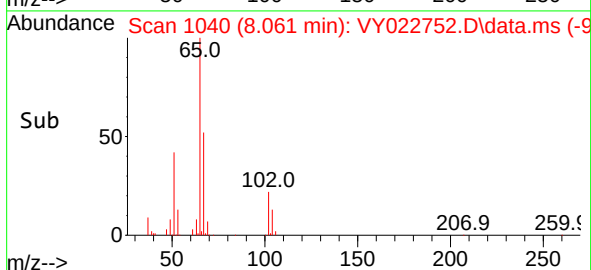
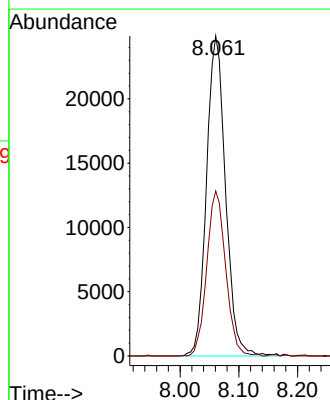
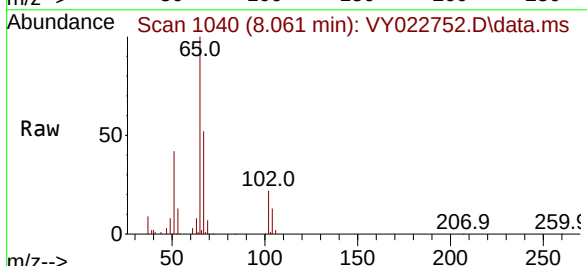
Acq: 19 Jun 2025 13:48

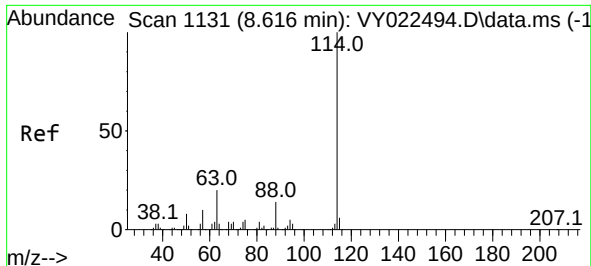
Tgt Ion: 65 Resp: 55857

Ion Ratio Lower Upper

65 100

67 51.4 0.0 103.4

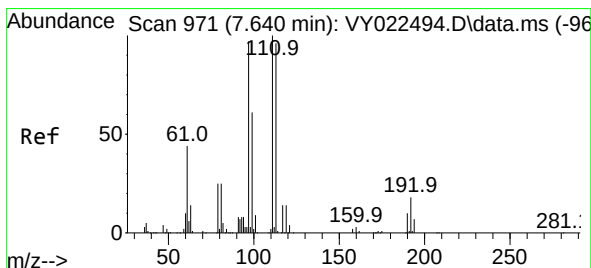
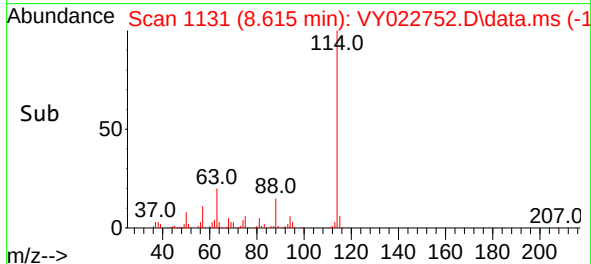
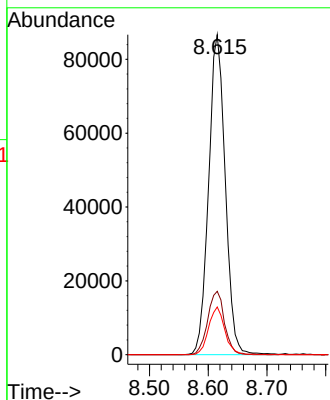
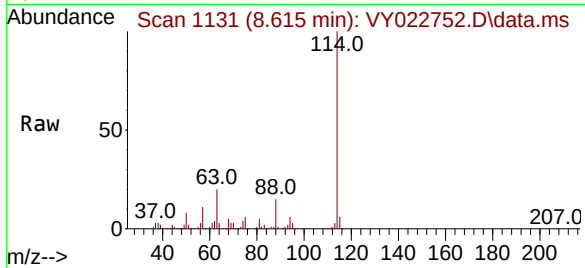




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

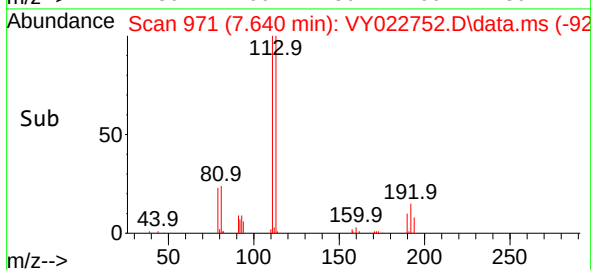
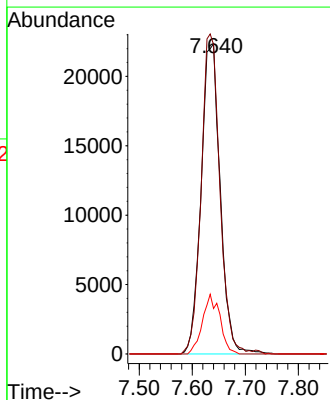
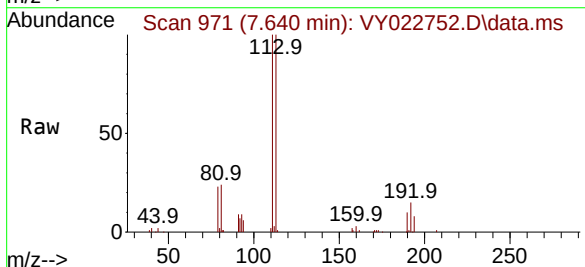
Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

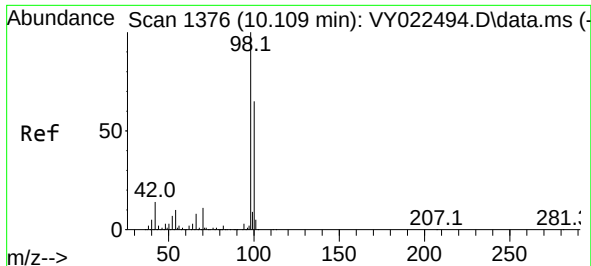
Tgt Ion:114 Resp: 170451
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 14.9 0.0 27.8



#35
Dibromofluoromethane
Concen: 54.995 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion:113 Resp: 55951
Ion Ratio Lower Upper
113 100
111 100.4 81.1 121.7
192 17.6 14.2 21.2

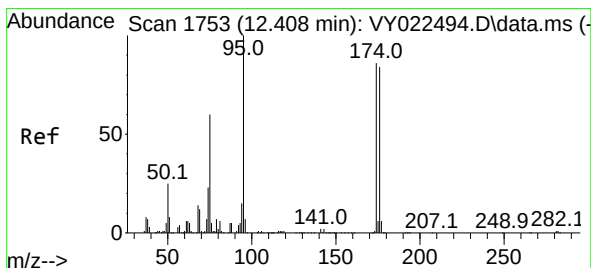
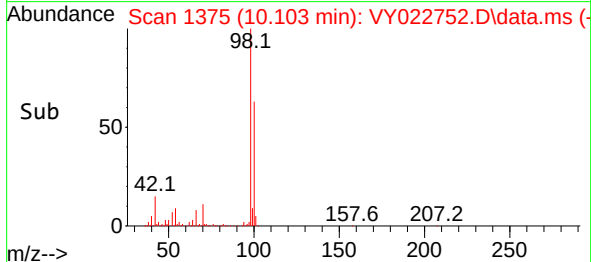
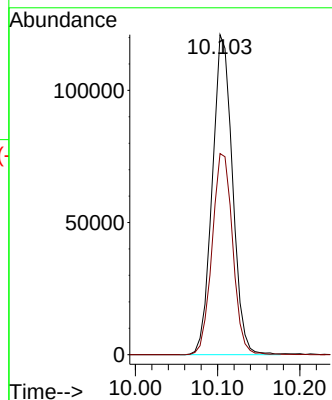
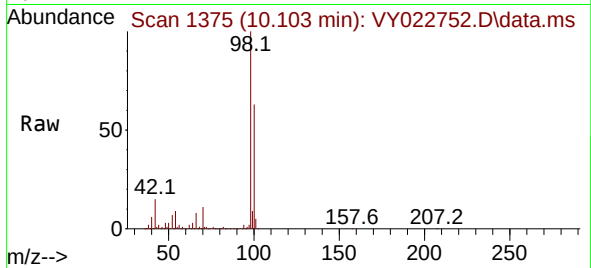




#50
Toluene-d8
Concen: 50.248 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

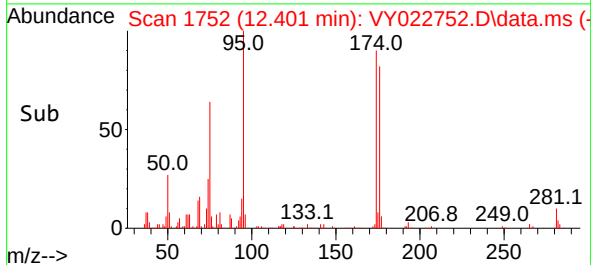
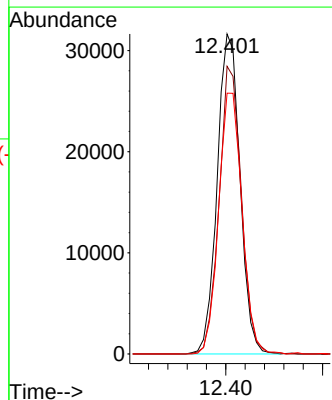
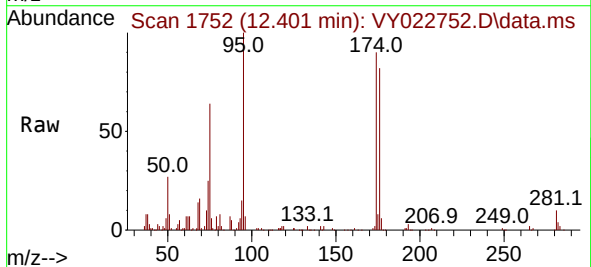
Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

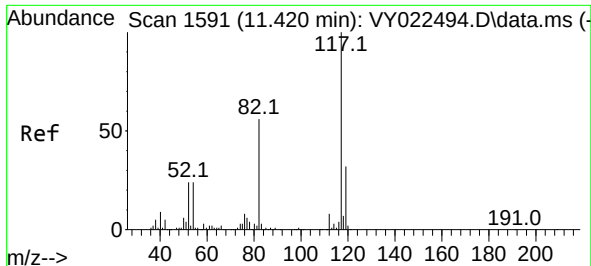
Tgt Ion: 98 Resp: 206564
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.152 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion: 95 Resp: 51629
Ion Ratio Lower Upper
95 100
174 88.0 0.0 170.0
176 84.0 0.0 166.2

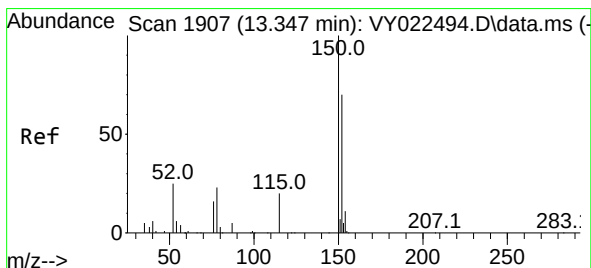
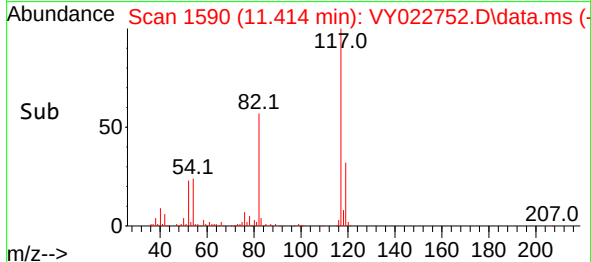
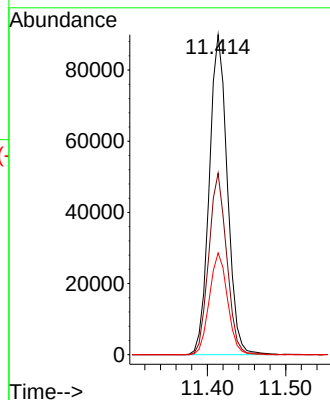
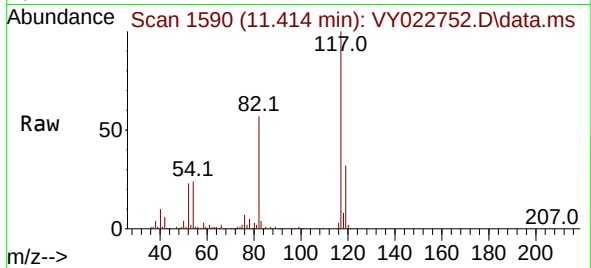




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Instrument :
MSVOA_Y
ClientSampleId :
GAV1B

Tgt Ion:117 Resp: 144046
Ion Ratio Lower Upper
117 100
82 56.8 44.6 66.8
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. -0.000 min
Lab File: VY022752.D
Acq: 19 Jun 2025 13:48

Tgt Ion:152 Resp: 53874
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 157.3 0.0 349.6

