

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081525\
 Data File : VY023121.D
 Acq On : 15 Aug 2025 13:05
 Operator : SY/MD
 Sample : Q2820-23
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-E

Quant Time: Aug 18 02:28:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

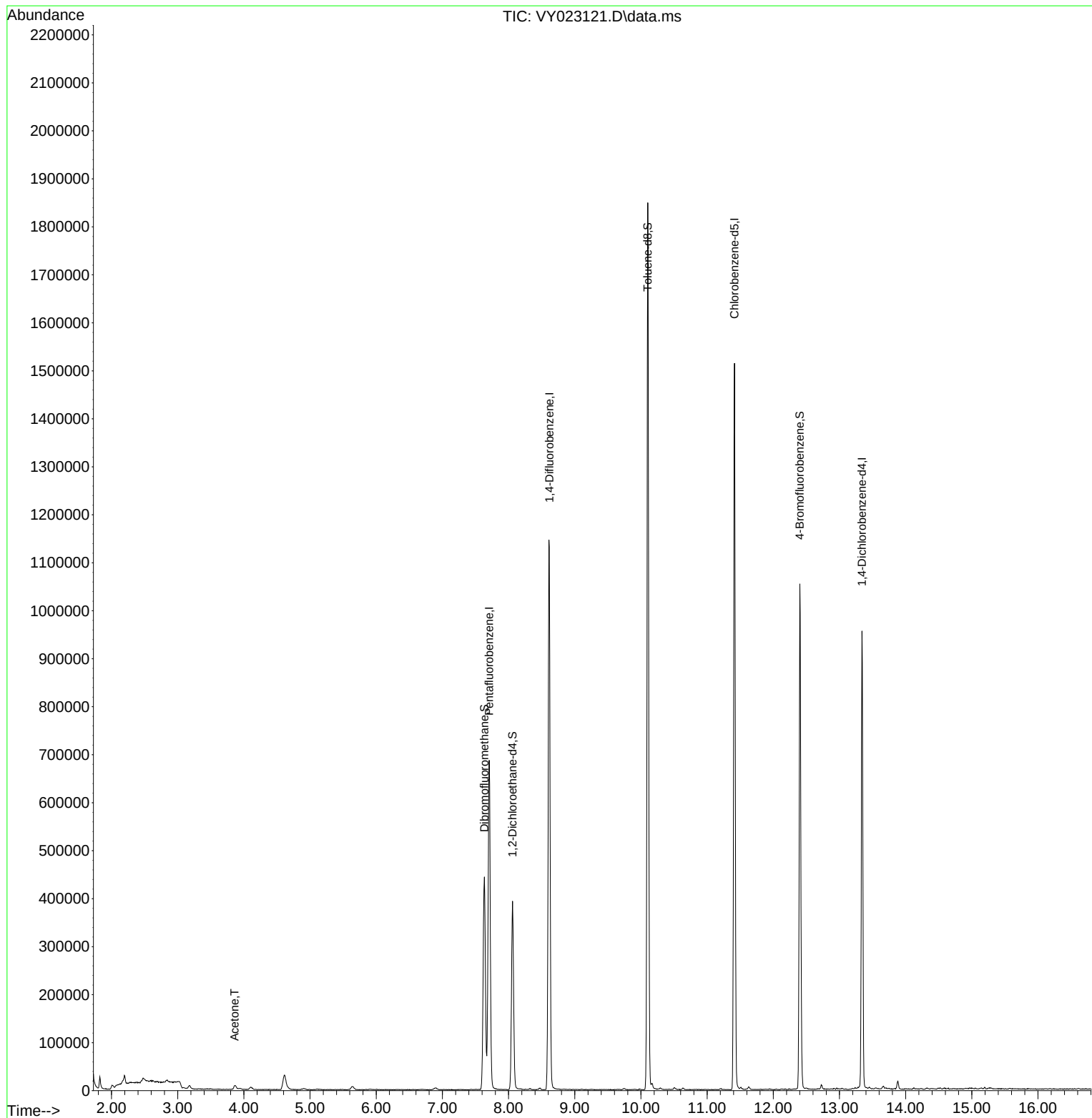
Internal Standards						
1) Pentafluorobenzene	7.707	168	533269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	990596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	806199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	241172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	299014	58.833	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.660%
35) Dibromofluoromethane	7.634	113	316009	53.313	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.620%
50) Toluene-d8	10.103	98	1171511	50.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.180%
62) 4-Bromofluorobenzene	12.401	95	285674	38.361	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	76.720%
Target Compounds						
16) Acetone	3.860	43	14347	13.030	ug/l	Qvalue 99

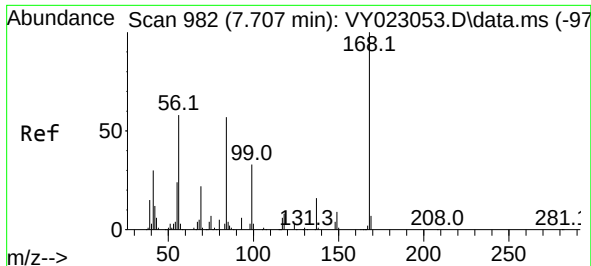
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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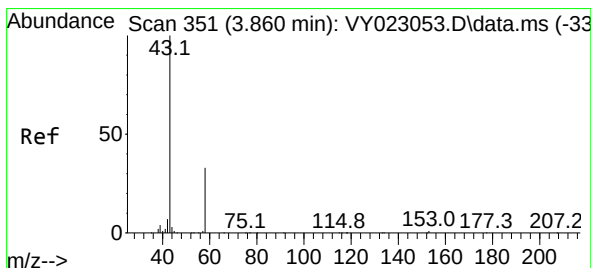
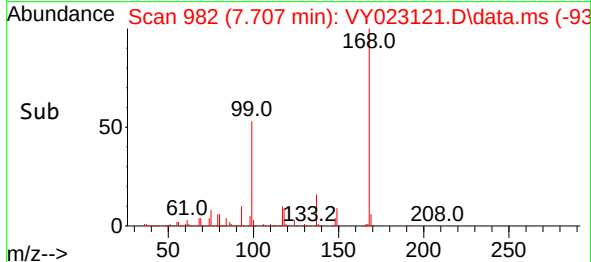
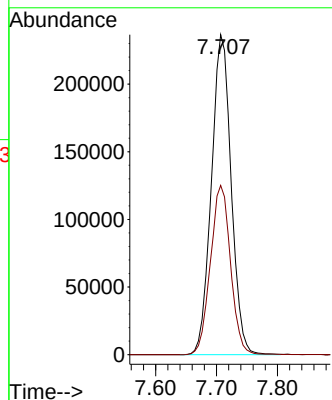
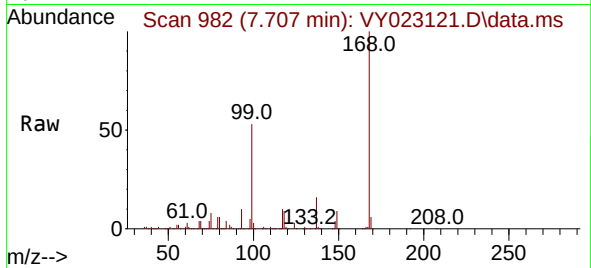




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

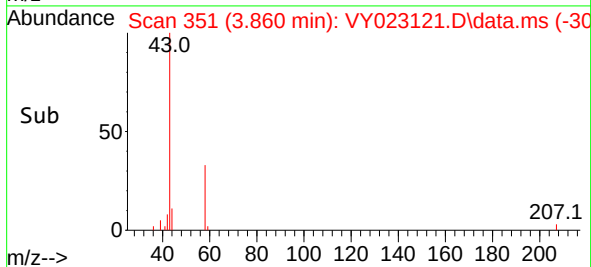
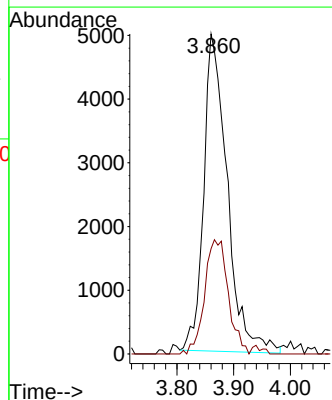
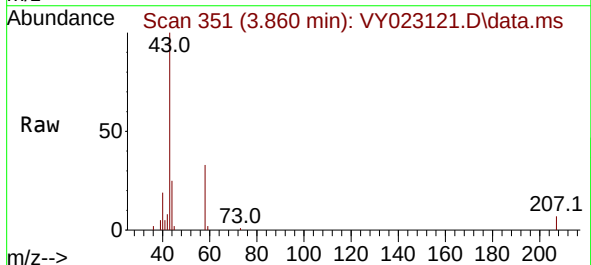
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

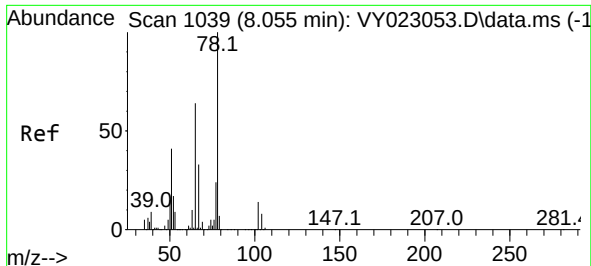
Tgt Ion:168 Resp: 533269
Ion Ratio Lower Upper
168 100
99 52.9 42.8 64.2



#16
Acetone
Concen: 13.030 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion: 43 Resp: 14347
Ion Ratio Lower Upper
43 100
58 33.3 27.1 40.7

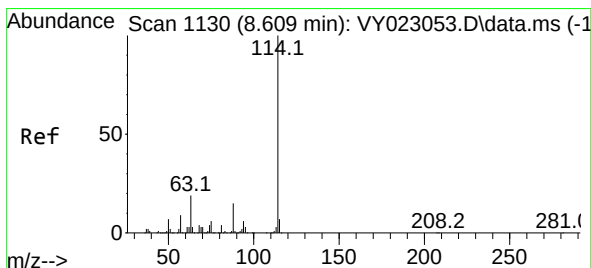
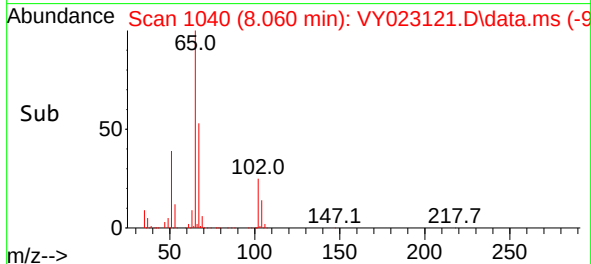
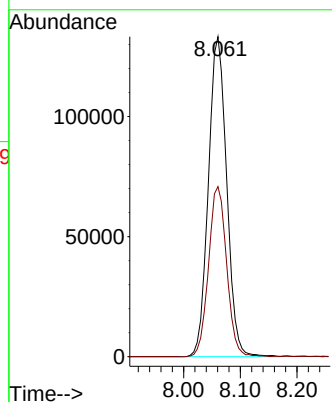
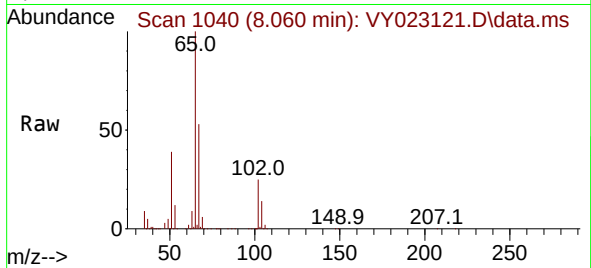




#33
 1,2-Dichloroethane-d4
 Concen: 58.833 ug/l
 RT: 8.060 min Scan# 1103
 Delta R.T. 0.006 min
 Lab File: VY023121.D
 Acq: 15 Aug 2025 13:05

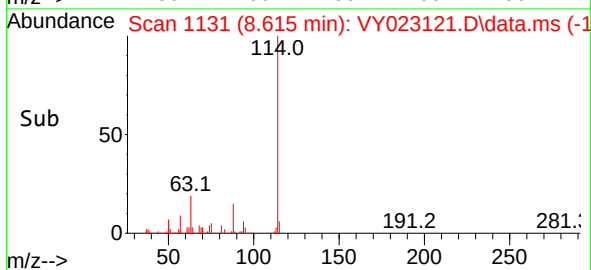
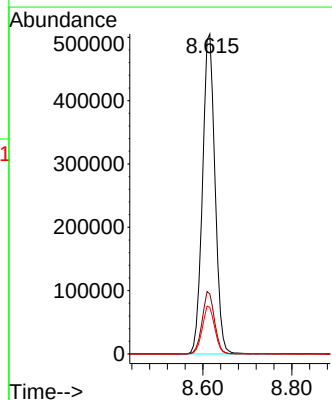
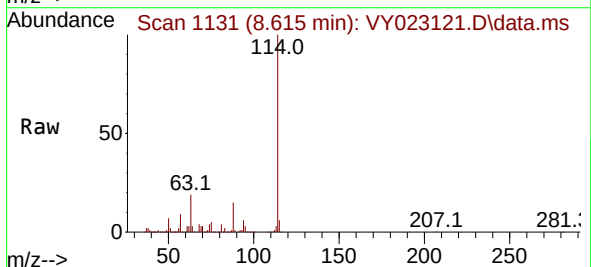
Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-E

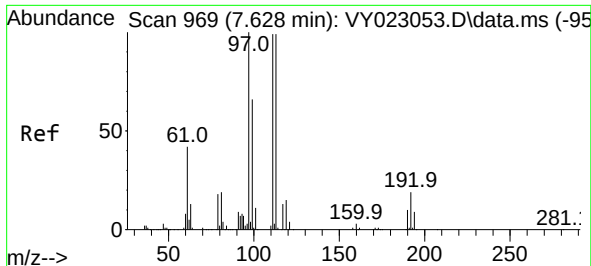
Tgt Ion: 65 Resp: 299014
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.615 min Scan# 1131
 Delta R.T. 0.006 min
 Lab File: VY023121.D
 Acq: 15 Aug 2025 13:05

Tgt Ion: 114 Resp: 990596
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.4
 88 14.6 0.0 30.0

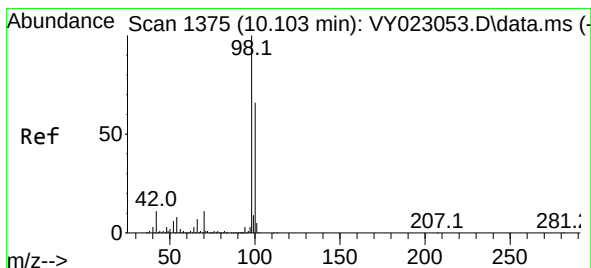
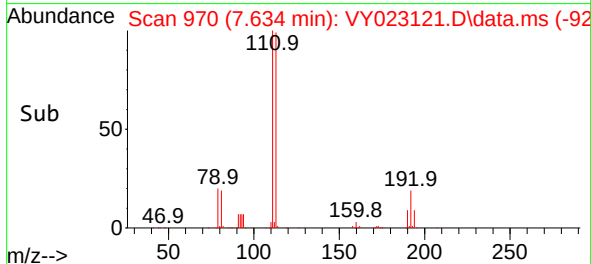
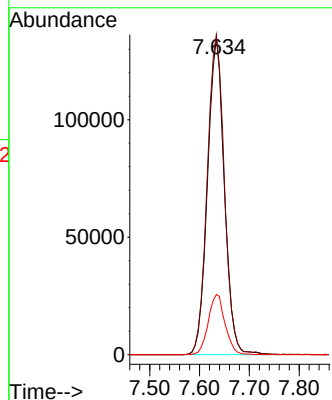
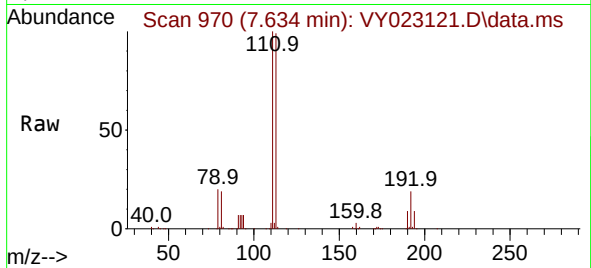




#35
Dibromofluoromethane
Concen: 53.313 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

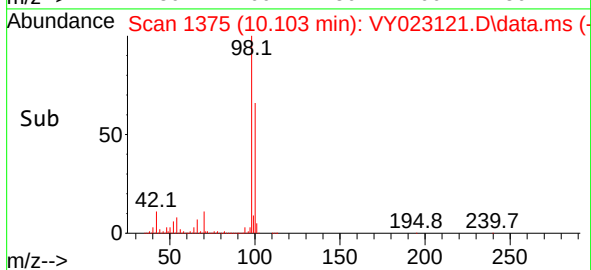
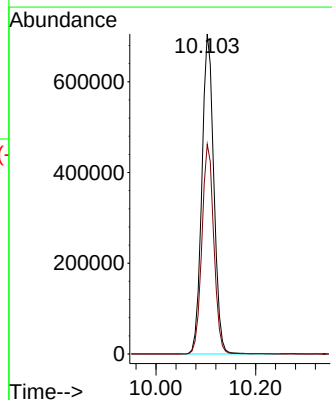
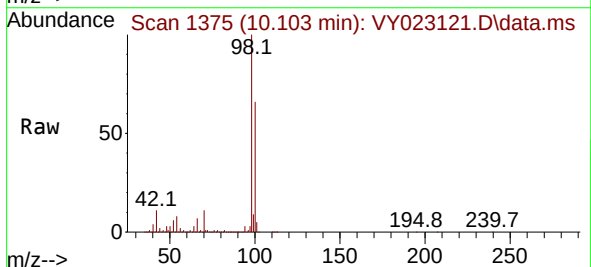
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

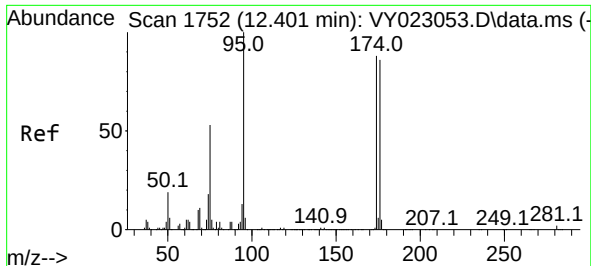
Tgt Ion:113 Resp: 316009
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 19.0 16.2 24.4



#50
Toluene-d8
Concen: 50.592 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

Tgt Ion: 98 Resp: 1171511
Ion Ratio Lower Upper
98 100
100 65.4 52.3 78.5

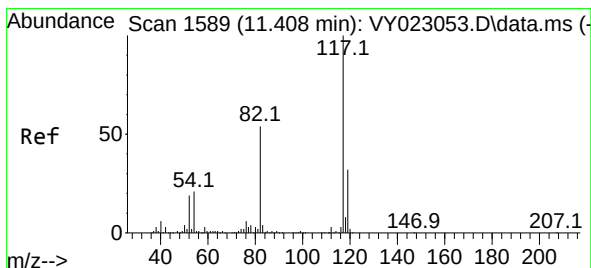
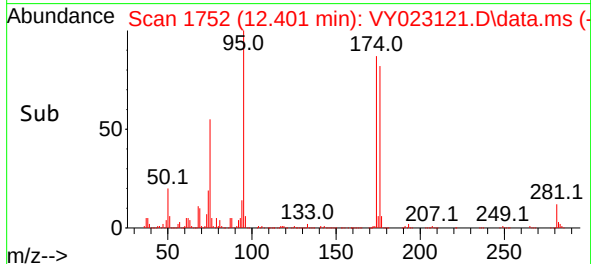
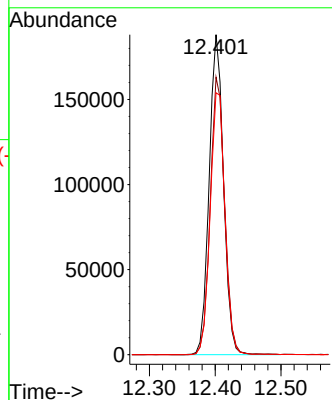
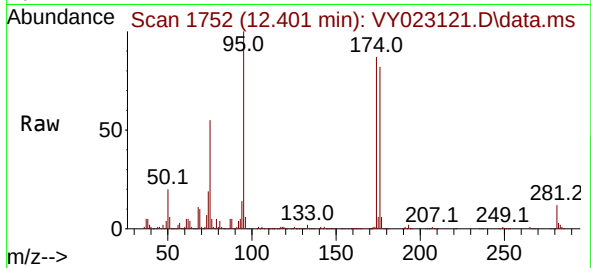




#62
4-Bromofluorobenzene
Concen: 38.361 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

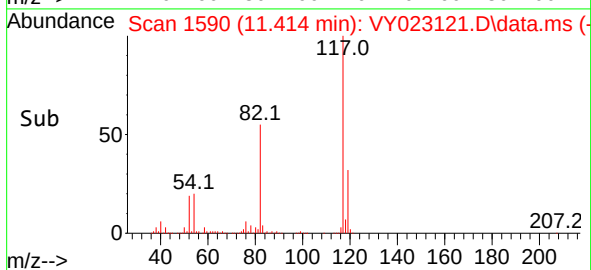
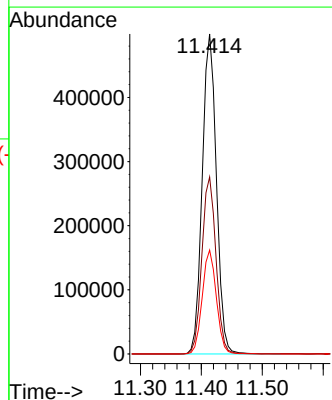
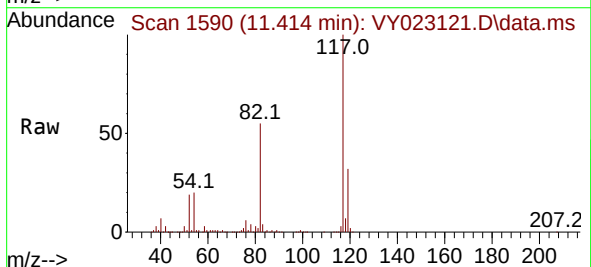
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

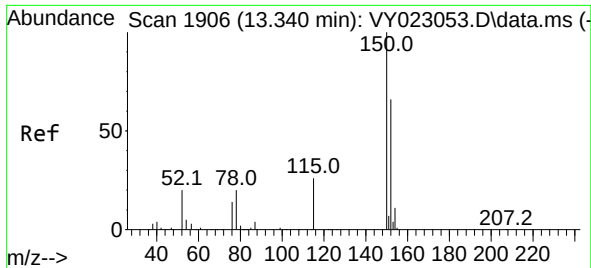
Tgt Ion: 95 Resp: 285674
Ion Ratio Lower Upper
95 100
174 87.2 0.0 171.6
176 84.3 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023121.D
Acq: 15 Aug 2025 13:05

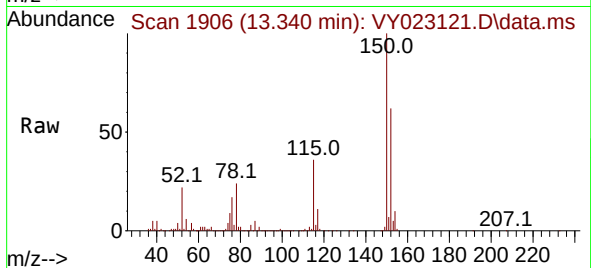
Tgt Ion: 117 Resp: 806199
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 32.4 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.000 min
 Lab File: VY023121.D
 Acq: 15 Aug 2025 13:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-E



Tgt Ion:152 Resp: 241172
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.2 84.6
 150 158.0 0.0 348.0

