

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022272.D
 Acq On : 15 May 2025 18:19
 Operator : SY/MD
 Sample : Q1982-04
 Misc : 11.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: May 16 01:59:28 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)

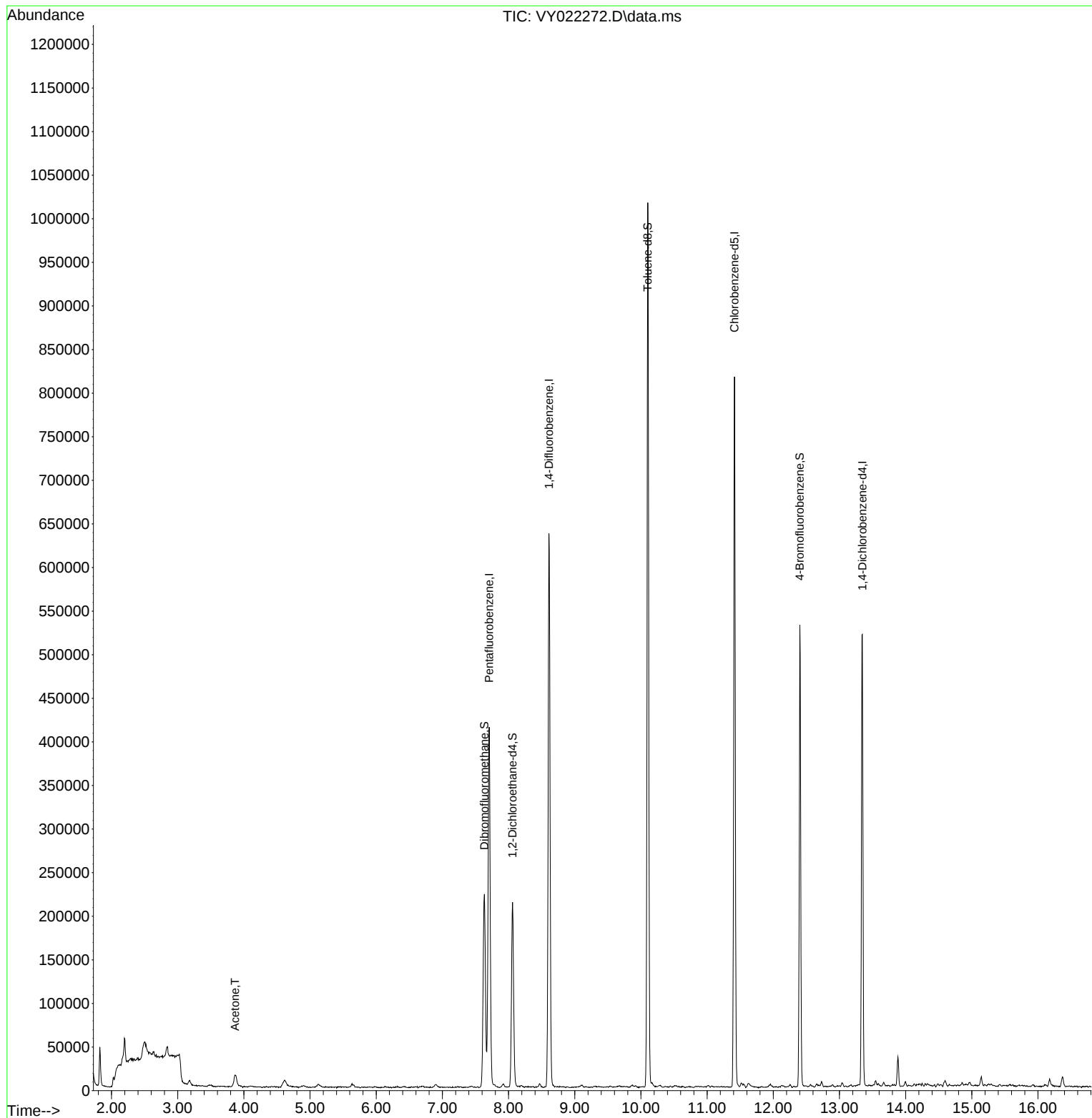
Internal Standards						
1) Pentafluorobenzene	7.707	168	303248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	528458	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	395320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	123883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	158040	47.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.380%
35) Dibromofluoromethane	7.634	113	154540	48.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.000%
50) Toluene-d8	10.103	98	622264	48.170	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.340%
62) 4-Bromofluorobenzene	12.401	95	146308	35.732	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.460%
Target Compounds						
16) Acetone	3.866	43	26014	41.861	ug/l	Qvalue 98

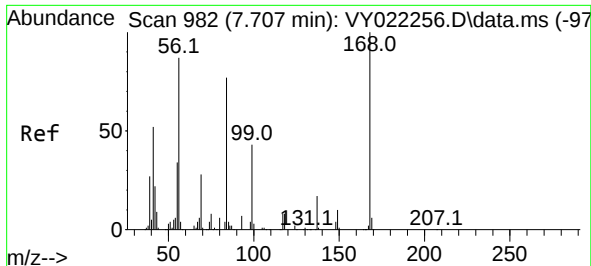
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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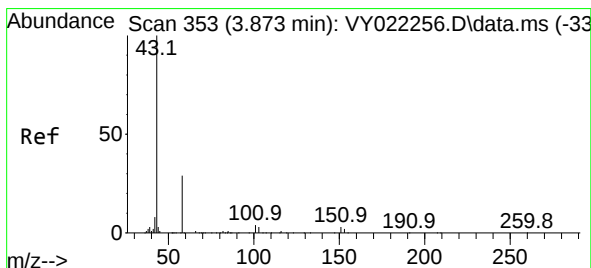
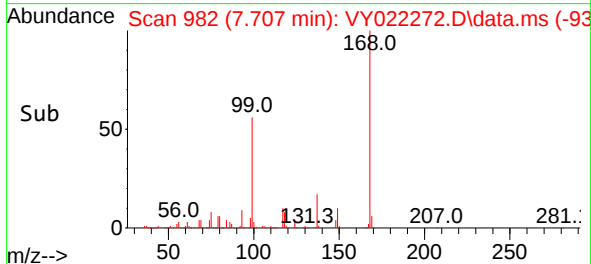
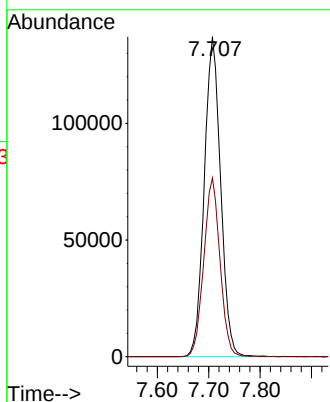
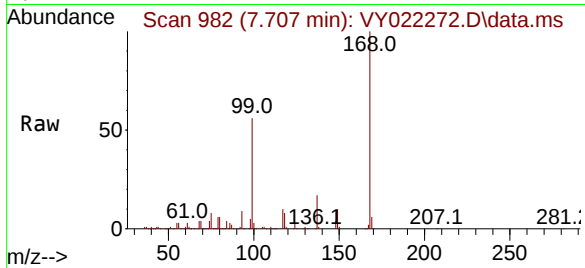




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

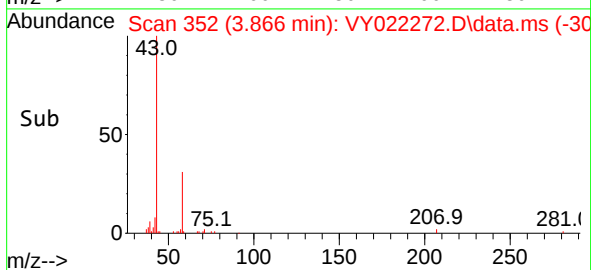
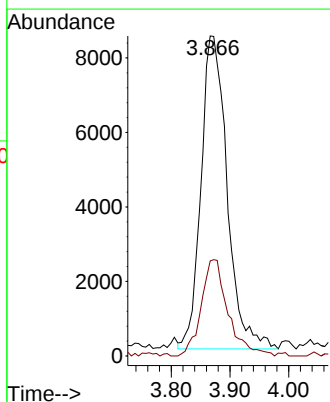
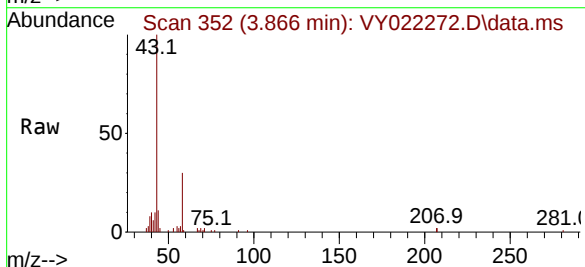
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

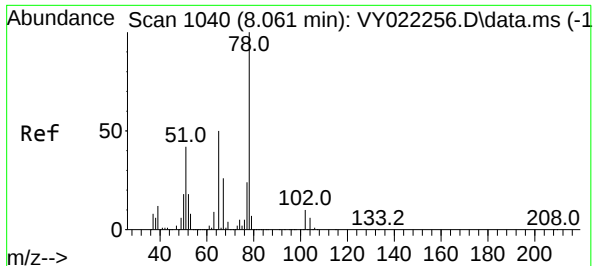
Tgt Ion:168 Resp: 303248
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#16
Acetone
Concen: 41.861 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 43 Resp: 26014
Ion Ratio Lower Upper
43 100
58 30.4 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 47.685 ug/l

RT: 8.061 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

Instrument :

MSVOA_Y

ClientSampleId :

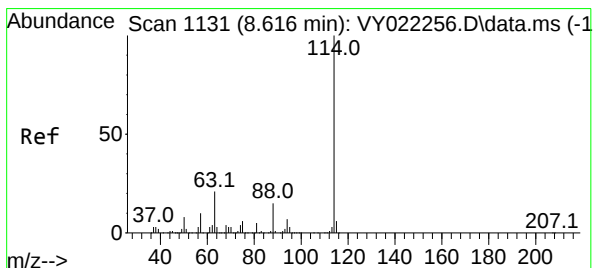
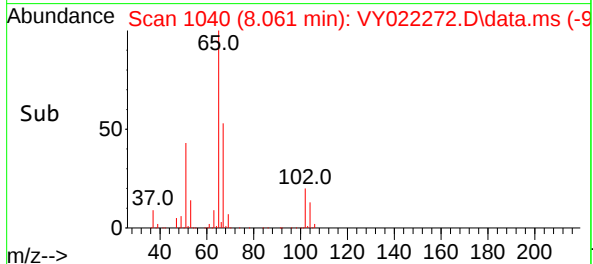
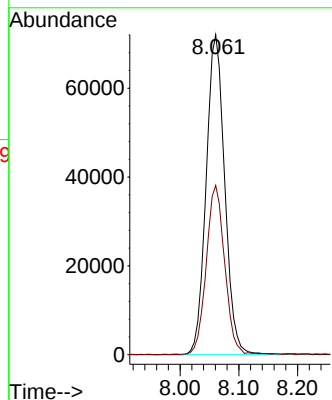
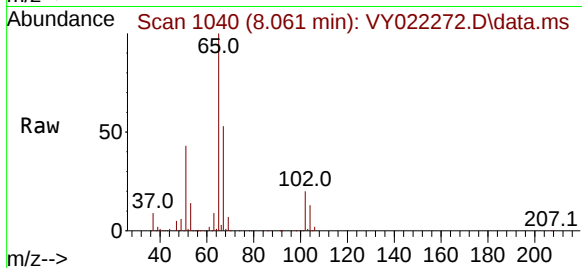
TP-4

Tgt Ion: 65 Resp: 158040

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022272.D

Acq: 15 May 2025 18:19

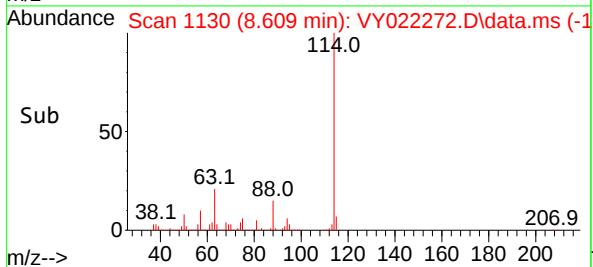
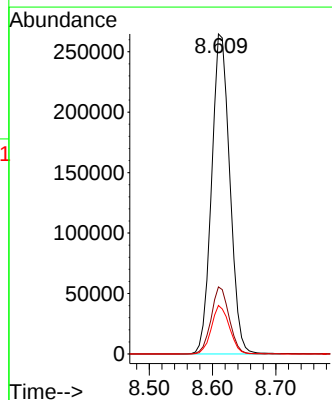
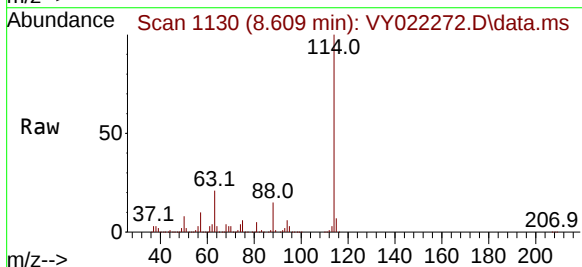
Tgt Ion: 114 Resp: 528458

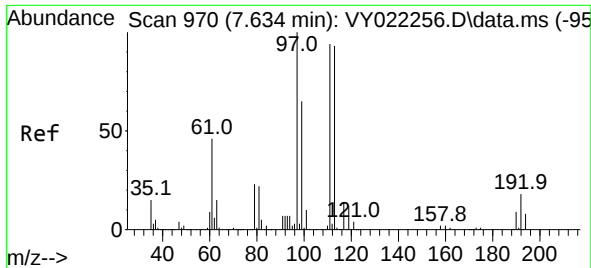
Ion Ratio Lower Upper

114 100

63 21.0 0.0 41.0

88 15.1 0.0 29.4

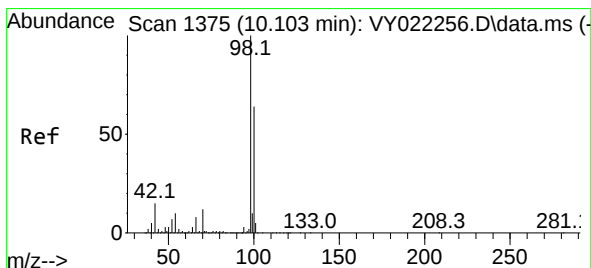
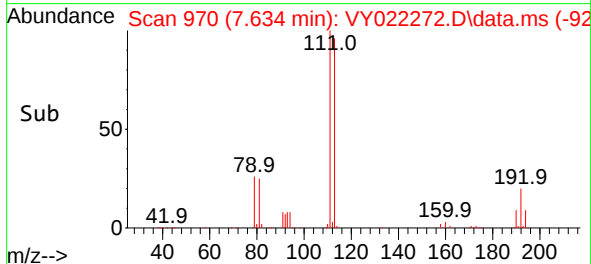
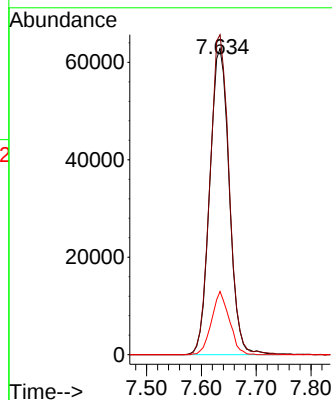
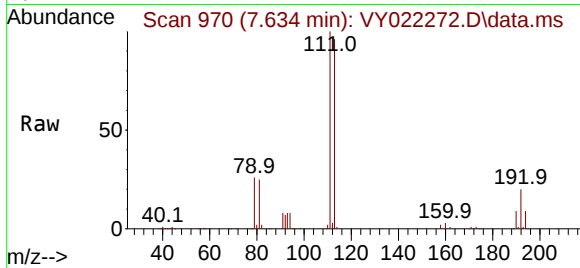




#35
Dibromofluoromethane
Concen: 48.996 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

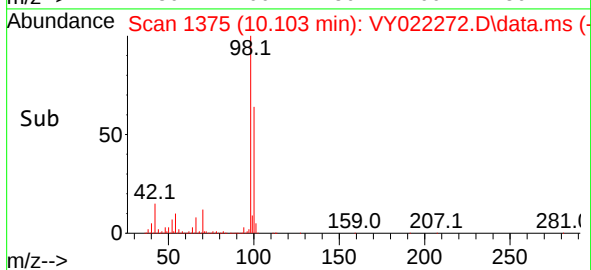
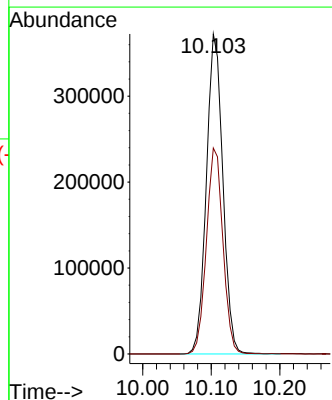
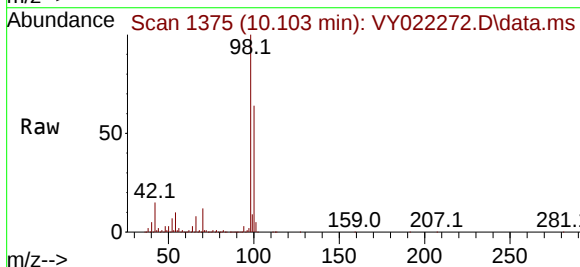
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

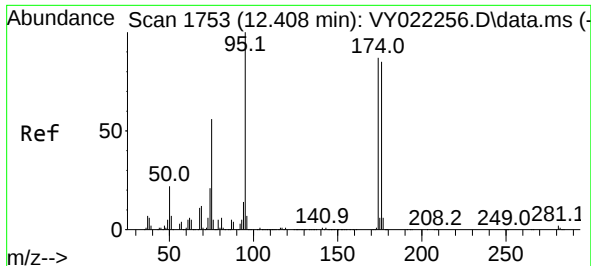
Tgt Ion:113 Resp: 154540
Ion Ratio Lower Upper
113 100
111 103.3 82.6 123.8
192 18.9 15.2 22.8



#50
Toluene-d8
Concen: 48.170 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 98 Resp: 622264
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.8

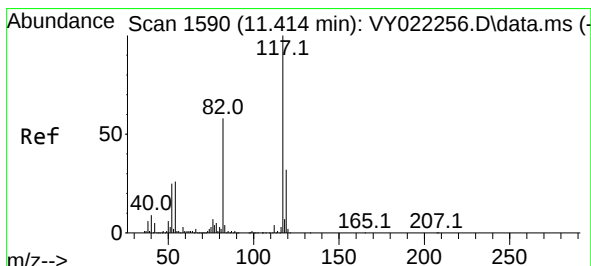
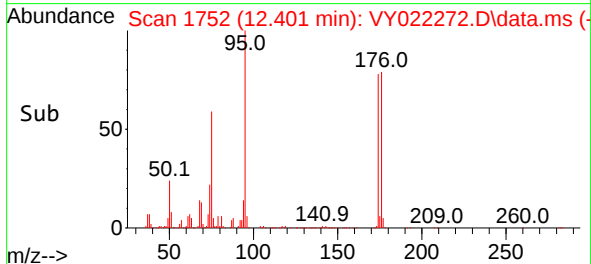
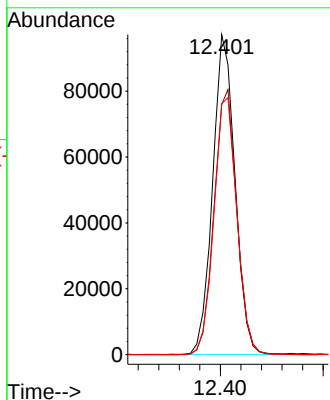
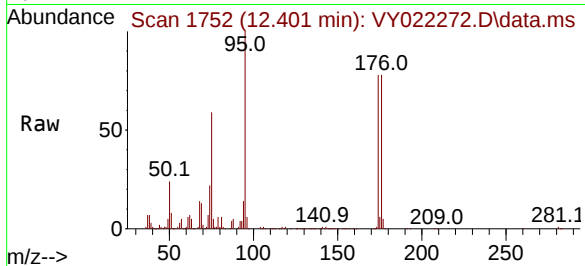




#62
4-Bromofluorobenzene
Concen: 35.732 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

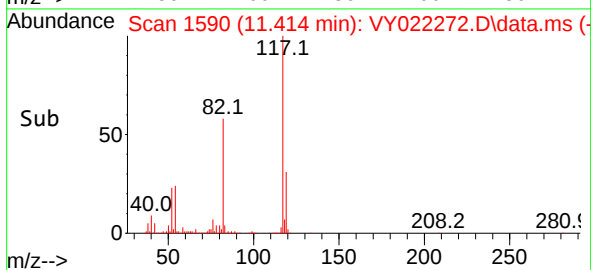
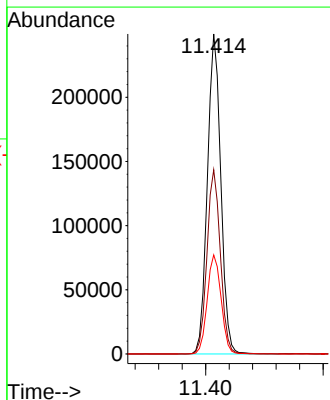
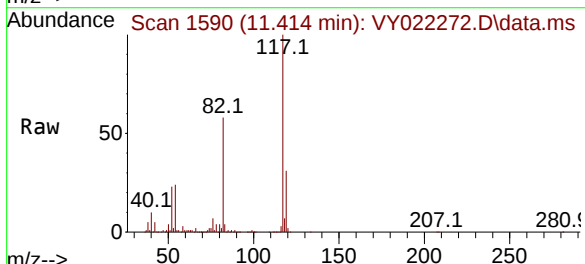
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

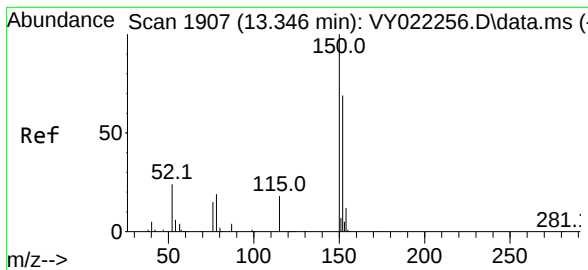
Tgt Ion: 95 Resp: 146308
Ion Ratio Lower Upper
95 100
174 84.3 0.0 166.8
176 82.7 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022272.D
Acq: 15 May 2025 18:19

Tgt Ion: 117 Resp: 395320
Ion Ratio Lower Upper
117 100
82 57.5 46.6 70.0
119 30.9 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022272.D
 Acq: 15 May 2025 18:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Tgt Ion:152 Resp: 123883
 Ion Ratio Lower Upper
 152 100
 115 58.2 29.4 88.2
 150 156.1 0.0 353.8

