

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023256.D
 Acq On : 02 Sep 2025 11:39
 Operator : SY/MD
 Sample : Q2986-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-TP-2

Quant Time: Sep 02 13:52:21 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)

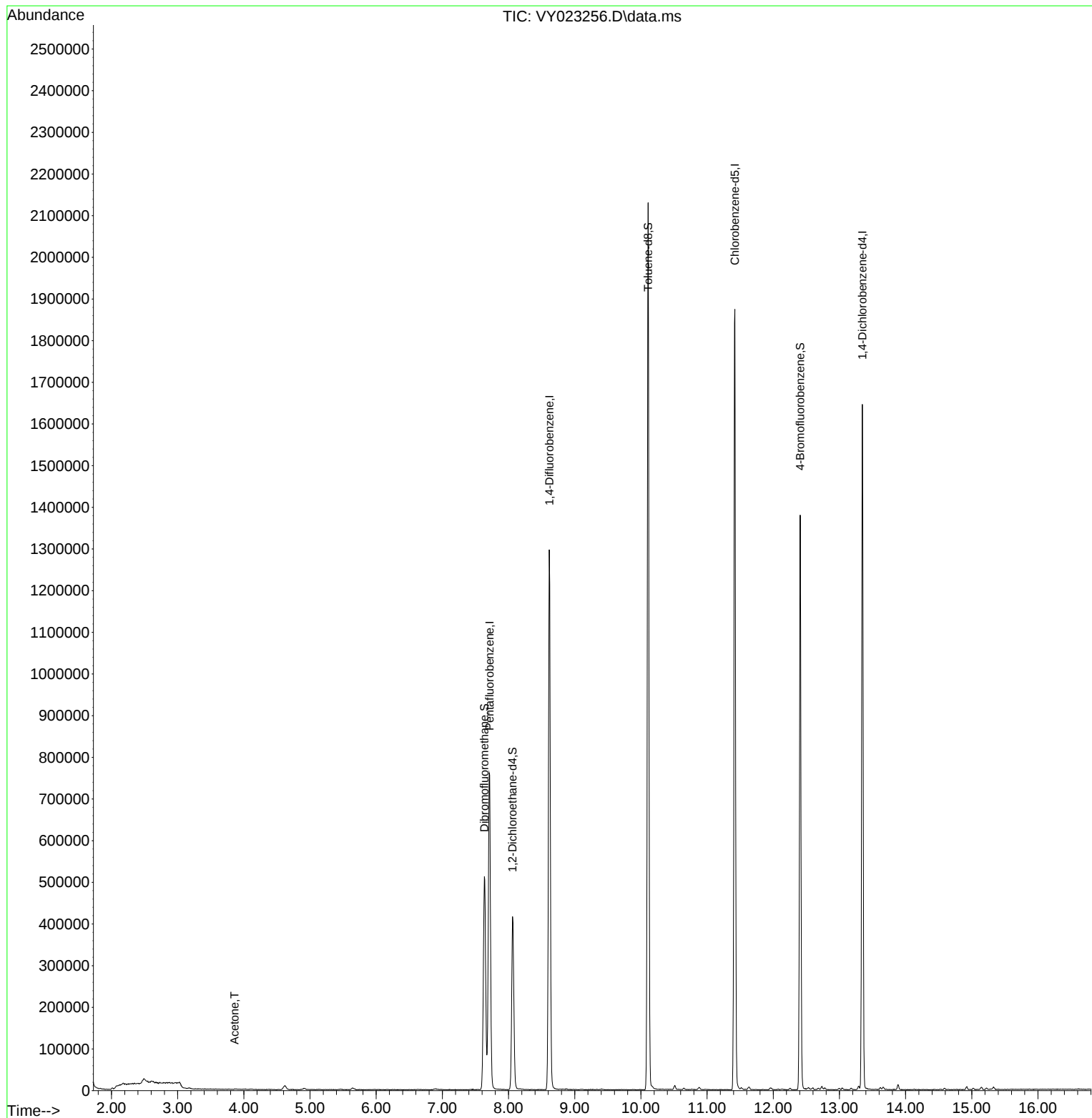
Internal Standards						
1) Pentafluorobenzene	7.713	168	622469	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1154364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1053581	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	426135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	324003	54.614	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	109.220%	
35) Dibromofluoromethane	7.634	113	372463	53.923	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	107.840%	
50) Toluene-d8	10.109	98	1380240	51.150	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	102.300%	
62) 4-Bromofluorobenzene	12.407	95	408895	47.118	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	=	94.240%	
Target Compounds						
16) Acetone	3.860	43	2004	1.559	ug/l	Qvalue # 76

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

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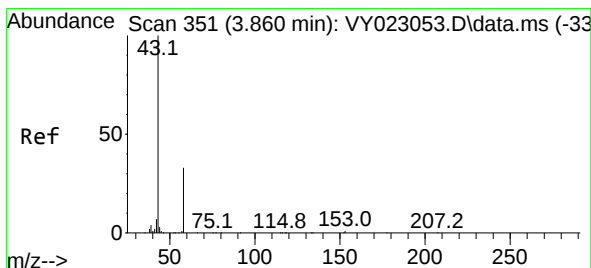
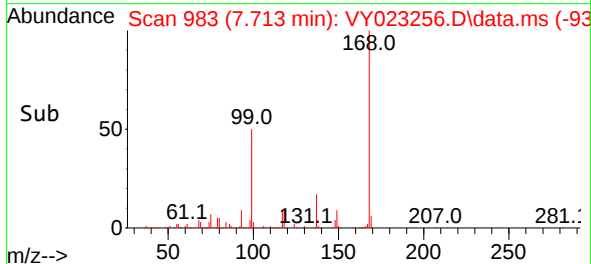
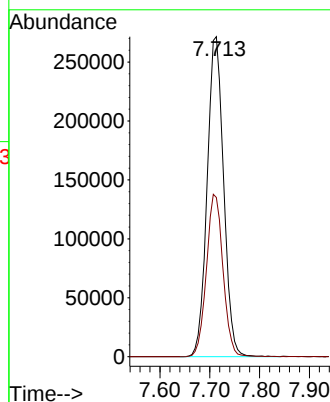
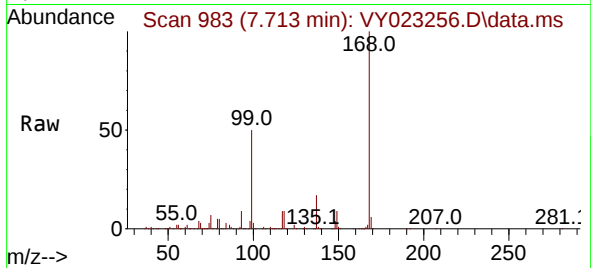




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023256.D
Acq: 02 Sep 2025 11:39

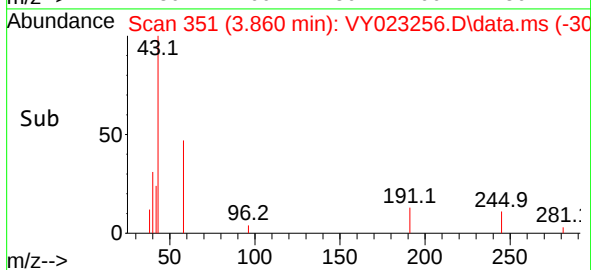
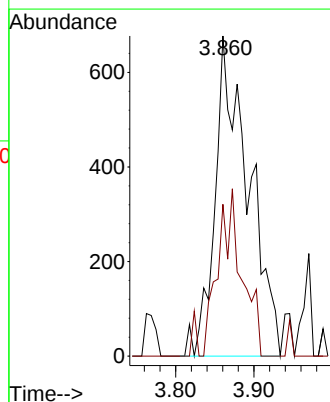
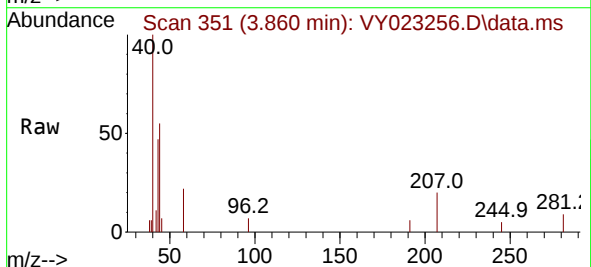
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-2

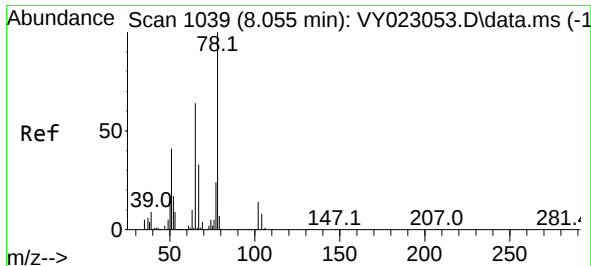
Tgt Ion:168 Resp: 622469
Ion Ratio Lower Upper
168 100
99 49.8 42.8 64.2



#16
Acetone
Concen: 1.559 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY023256.D
Acq: 02 Sep 2025 11:39

Tgt Ion: 43 Resp: 2004
Ion Ratio Lower Upper
43 100
58 47.4 27.1 40.7#





#33

1,2-Dichloroethane-d4

Concen: 54.614 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023256.D

Acq: 02 Sep 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

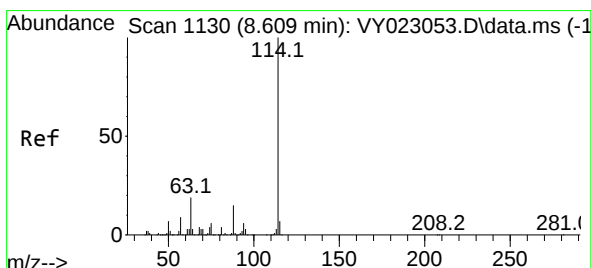
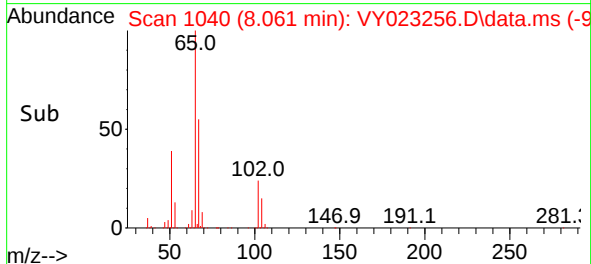
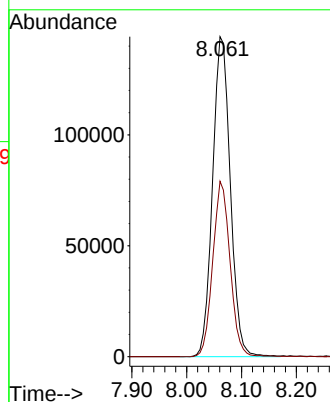
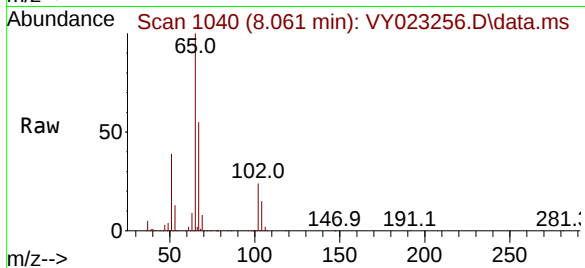
NORTH-TP-2

Tgt Ion: 65 Resp: 324003

Ion Ratio Lower Upper

65 100

67 53.5 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: VY023256.D

Acq: 02 Sep 2025 11:39

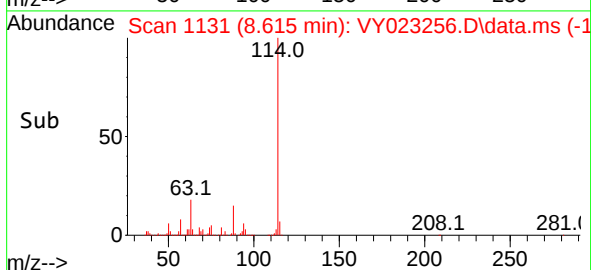
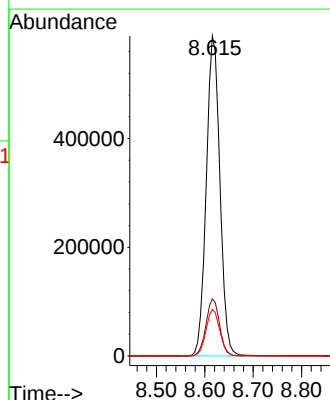
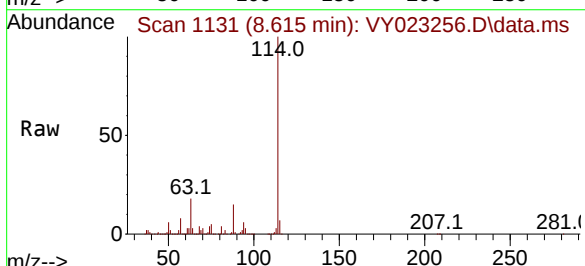
Tgt Ion:114 Resp: 1154364

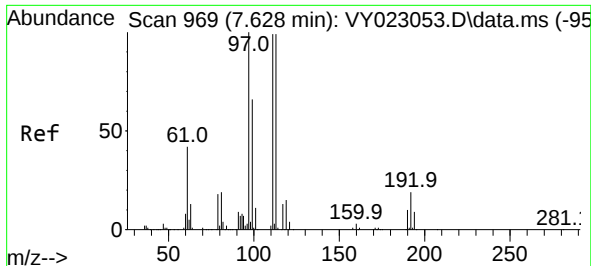
Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 14.5 0.0 30.0

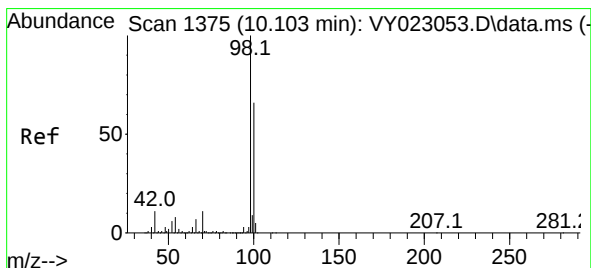
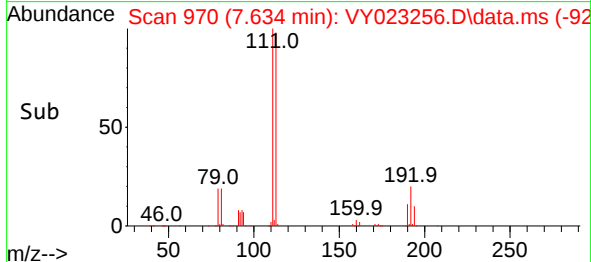
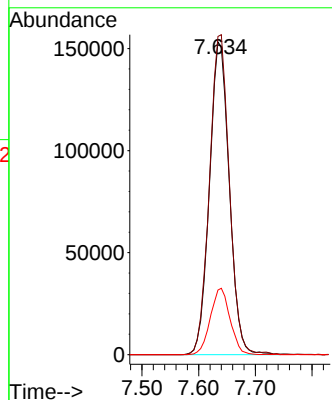
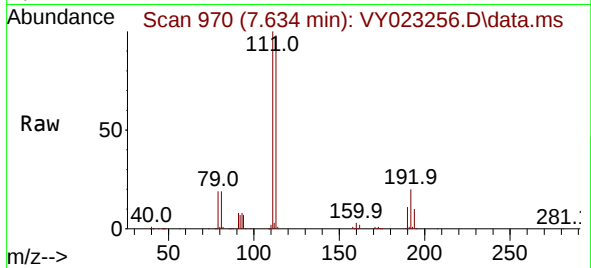




#35
Dibromofluoromethane
Concen: 53.923 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023256.D
Acq: 02 Sep 2025 11:39

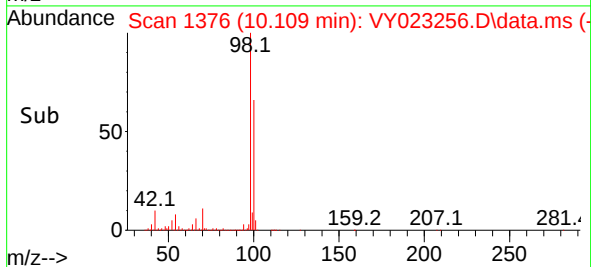
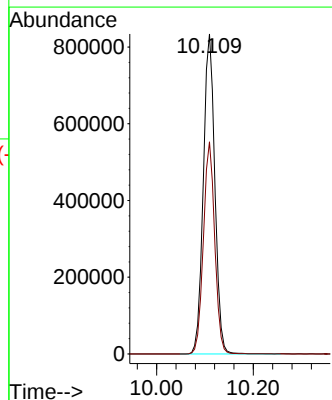
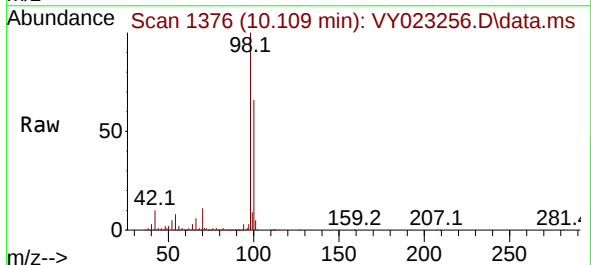
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-2

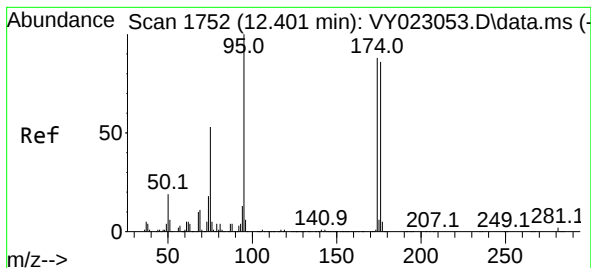
Tgt Ion:113 Resp: 372463
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 21.1 16.2 24.4



#50
Toluene-d8
Concen: 51.150 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023256.D
Acq: 02 Sep 2025 11:39

Tgt Ion: 98 Resp: 1380240
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

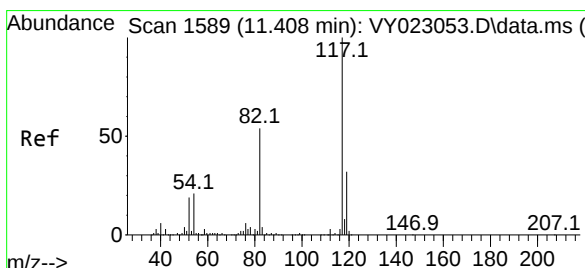
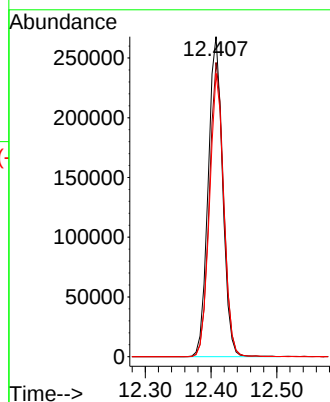
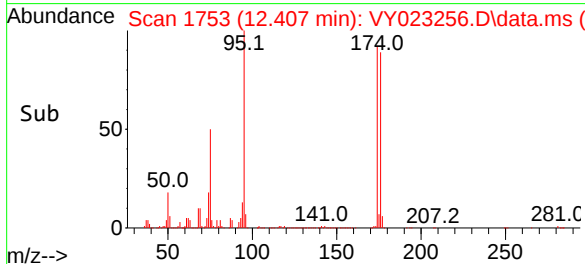
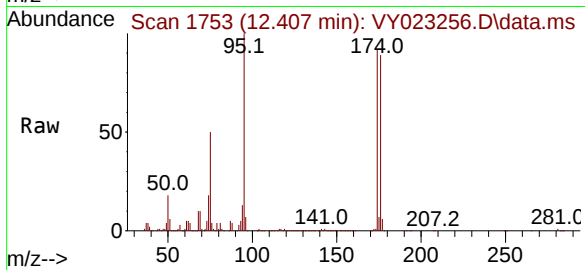




#62
4-Bromofluorobenzene
Concen: 47.118 ug/l
RT: 12.407 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023256.D
Acq: 02 Sep 2025 11:39

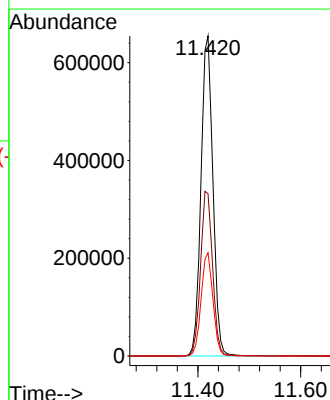
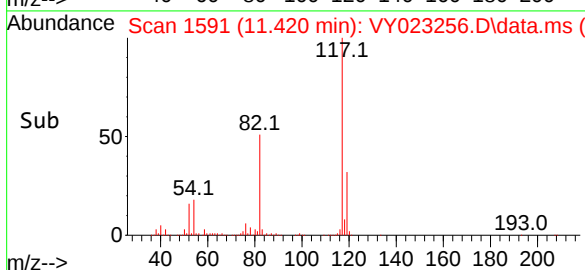
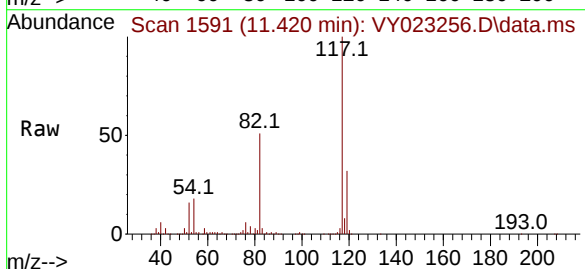
Instrument :
MSVOA_Y
ClientSampleId :
NORTH-TP-2

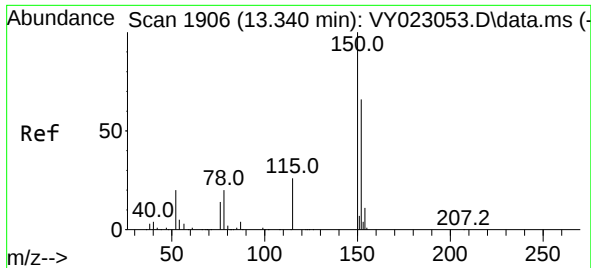
Tgt Ion: 95 Resp: 408895
Ion Ratio Lower Upper
95 100
174 91.7 0.0 171.6
176 87.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.012 min
Lab File: VY023256.D
Acq: 02 Sep 2025 11:39

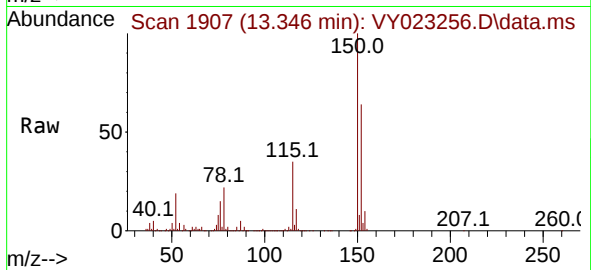
Tgt Ion: 117 Resp: 1053581
Ion Ratio Lower Upper
117 100
82 50.7 43.4 65.0
119 32.3 25.6 38.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY023256.D
 Acq: 02 Sep 2025 11:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 NORTH-TP-2



Tgt Ion:	152	Resp:	426135
Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.2	84.6
150	156.4	0.0	348.0

