

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082925\
 Data File : VY023248.D
 Acq On : 29 Aug 2025 15:28
 Operator : SY/MD
 Sample : Q2989-03
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-TP-6

Quant Time: Aug 30 01:23:28 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)

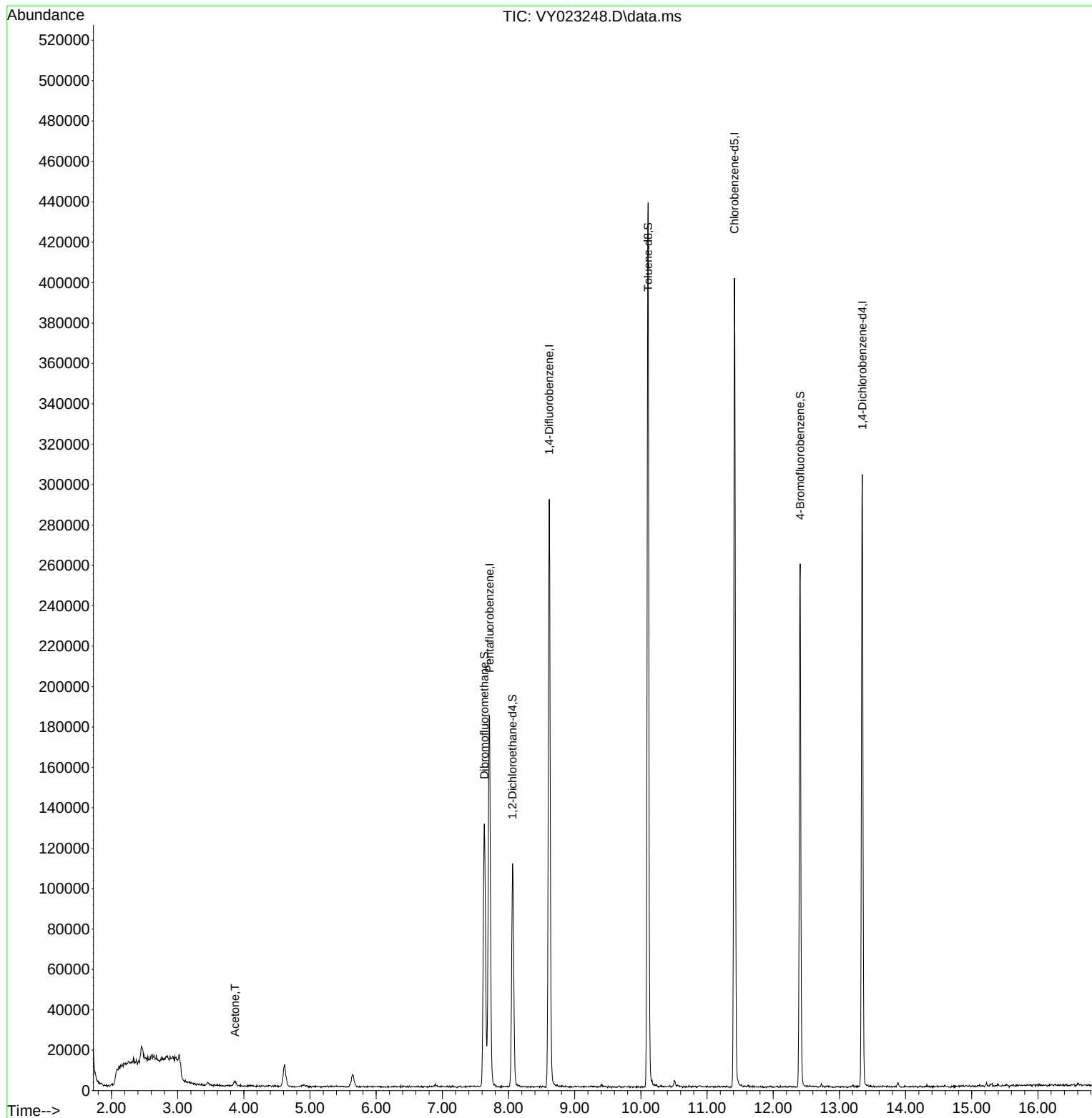
Internal Standards						
1) Pentafluorobenzene	7.713	168	148558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	253315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	227834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	82022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	85755	60.567	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	121.140%
35) Dibromofluoromethane	7.634	113	93600	61.751	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	123.500%
50) Toluene-d8	10.109	98	299085	50.509	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.408	95	78431	41.186	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.380%
Target Compounds						
16) Acetone	3.866	43	4046	13.190	ug/l	Qvalue # 88

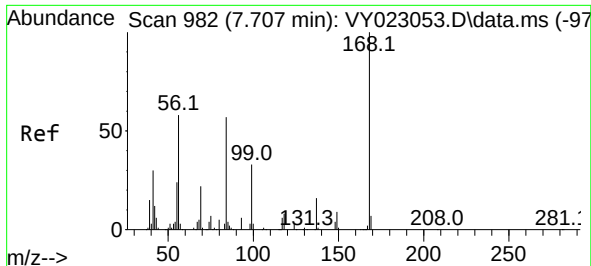
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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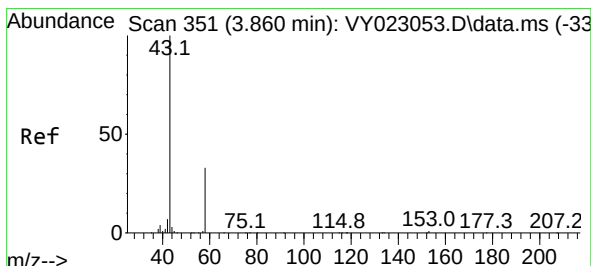
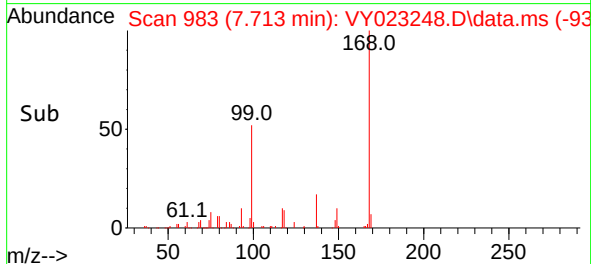
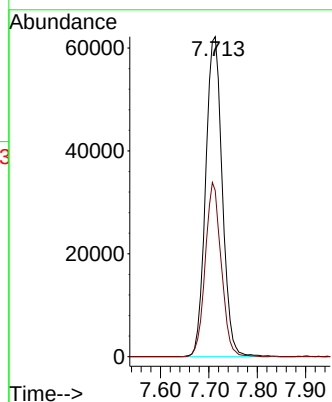
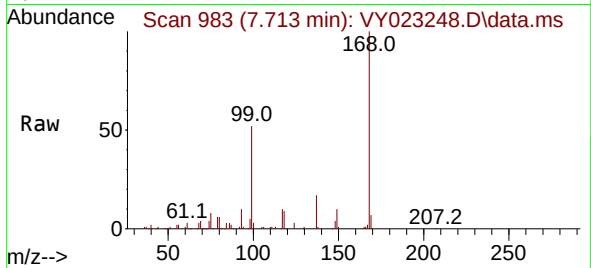




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

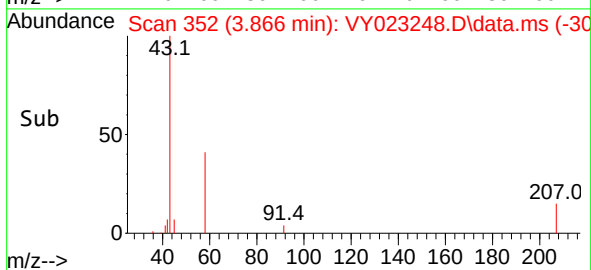
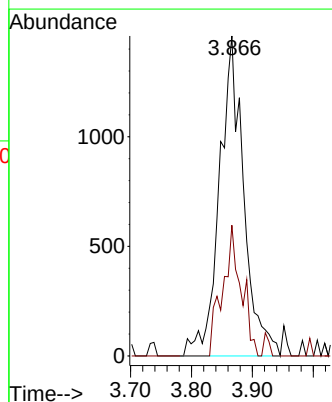
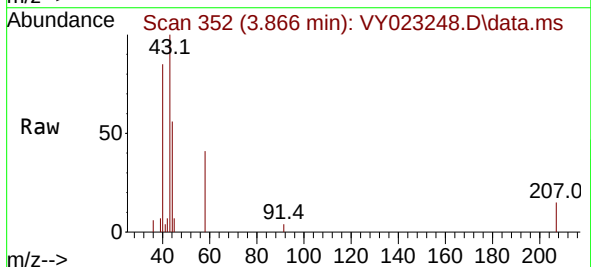
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

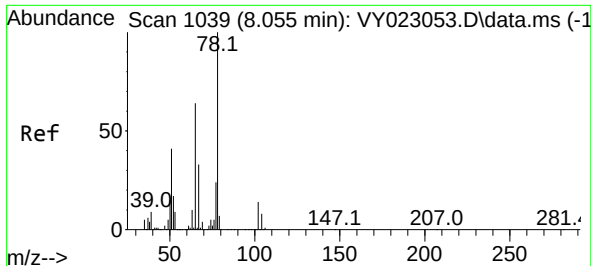
Tgt Ion:168 Resp: 148558
Ion Ratio Lower Upper
168 100
99 51.9 42.8 64.2



#16
Acetone
Concen: 13.190 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 43 Resp: 4046
Ion Ratio Lower Upper
43 100
58 40.8 27.1 40.7#





#33

1,2-Dichloroethane-d4

Concen: 60.567 ug/l

RT: 8.061 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY023248.D

Acq: 29 Aug 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

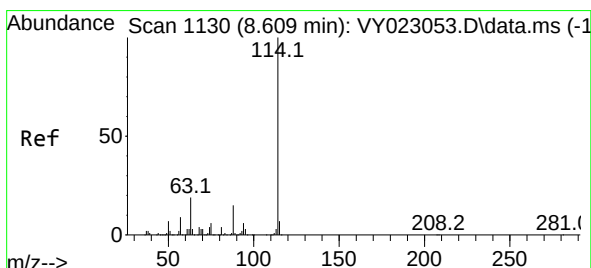
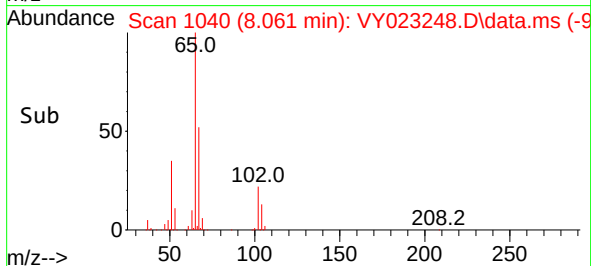
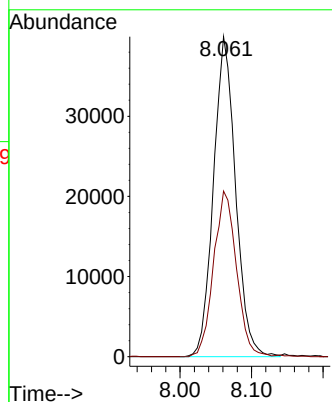
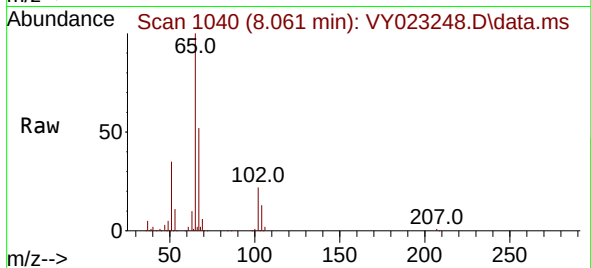
SOUTH-TP-6

Tgt Ion: 65 Resp: 85755

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023248.D

Acq: 29 Aug 2025 15:28

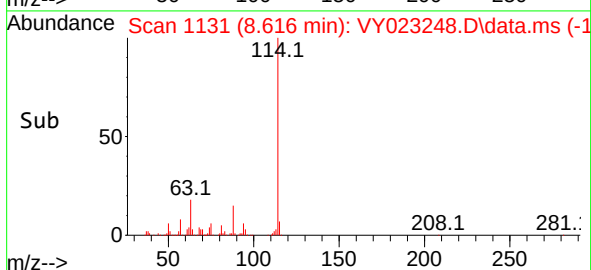
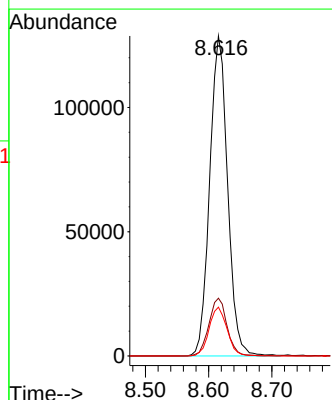
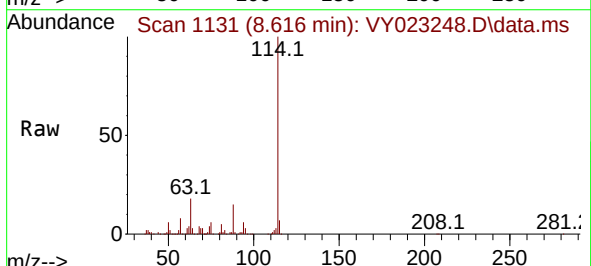
Tgt Ion: 114 Resp: 253315

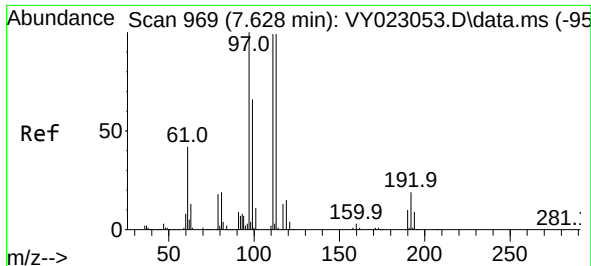
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

88 15.3 0.0 30.0

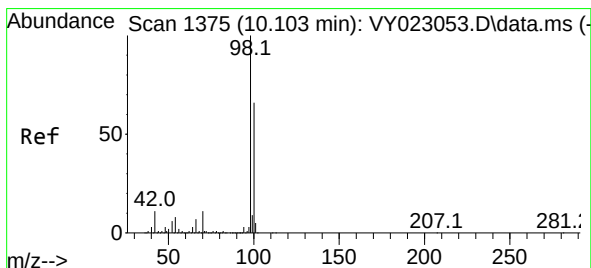
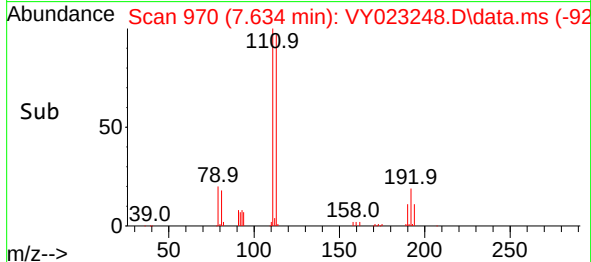
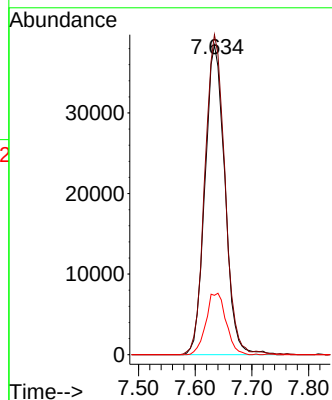
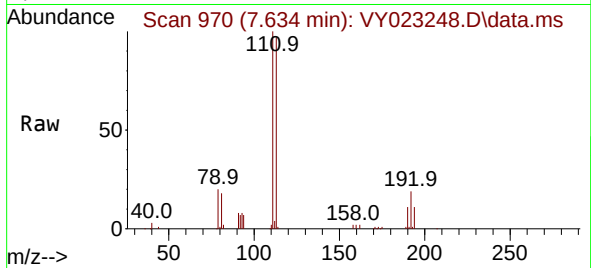




#35
Dibromofluoromethane
Concen: 61.751 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

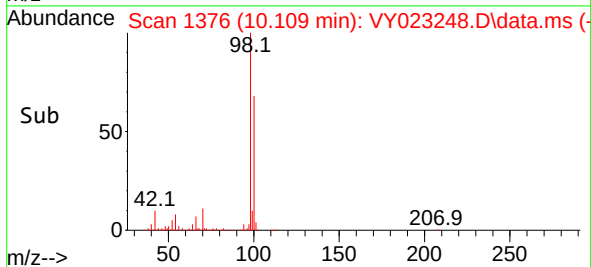
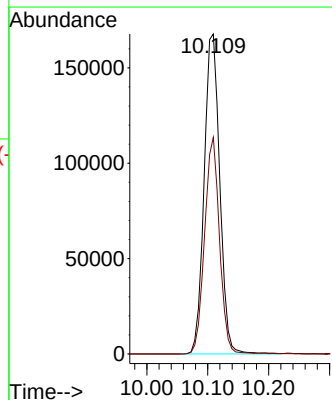
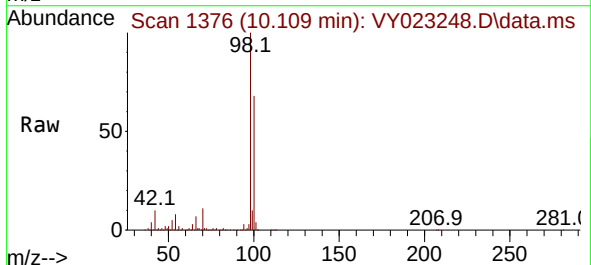
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

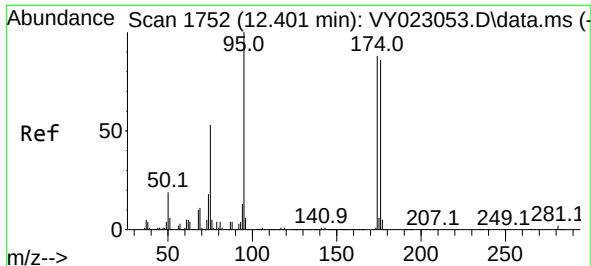
Tgt Ion:113 Resp: 93600
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 20.1 16.2 24.4



#50
Toluene-d8
Concen: 50.509 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 98 Resp: 299085
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5

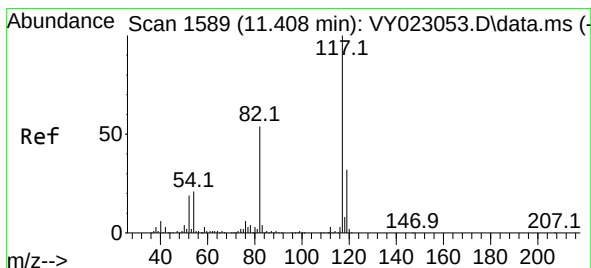
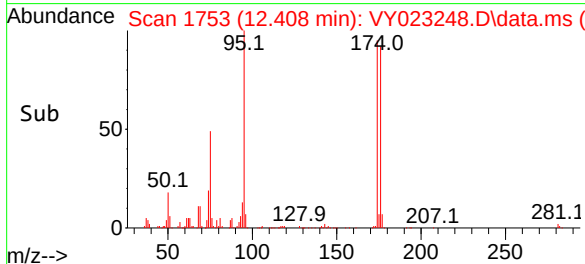
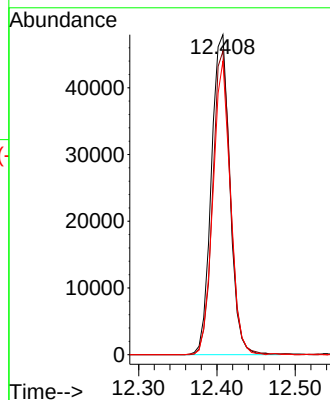
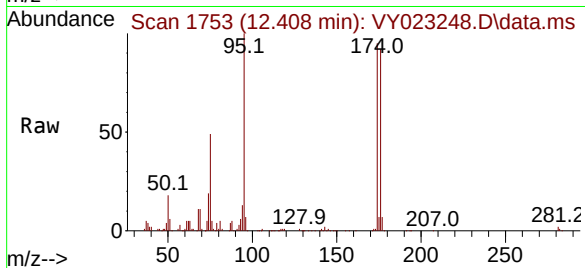




#62
4-Bromofluorobenzene
Concen: 41.186 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

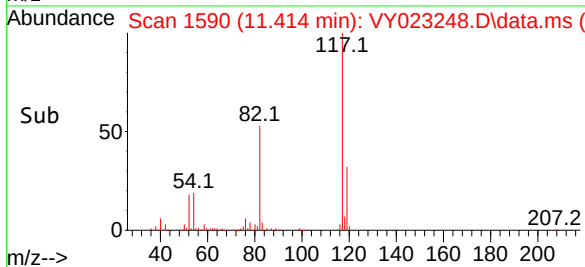
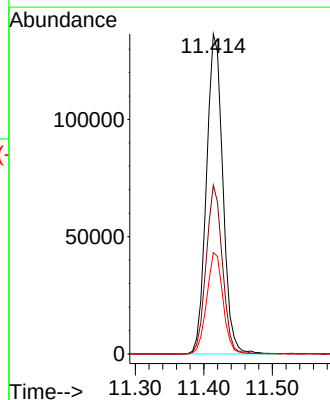
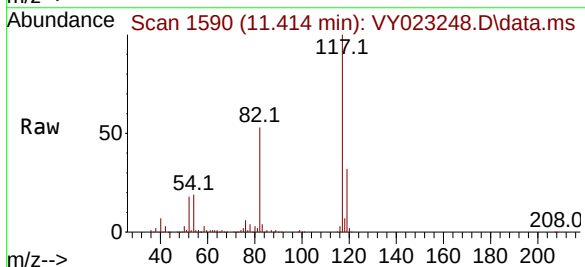
Instrument :
MSVOA_Y
ClientSampleId :
SOUTH-TP-6

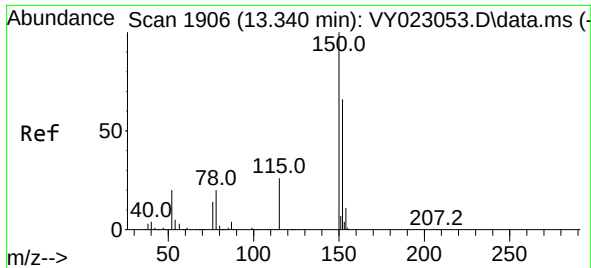
Tgt Ion: 95 Resp: 78431
Ion Ratio Lower Upper
95 100
174 91.6 0.0 171.6
176 86.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023248.D
Acq: 29 Aug 2025 15:28

Tgt Ion: 117 Resp: 227834
Ion Ratio Lower Upper
117 100
82 52.8 43.4 65.0
119 31.6 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: VY023248.D
 Acq: 29 Aug 2025 15:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOUTH-TP-6

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.2	84.6
150	157.7	0.0	348.0

