

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021616.D
 Acq On : 24 Mar 2025 14:28
 Operator : SY/MD
 Sample : Q1619-05
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: Mar 25 01:30:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

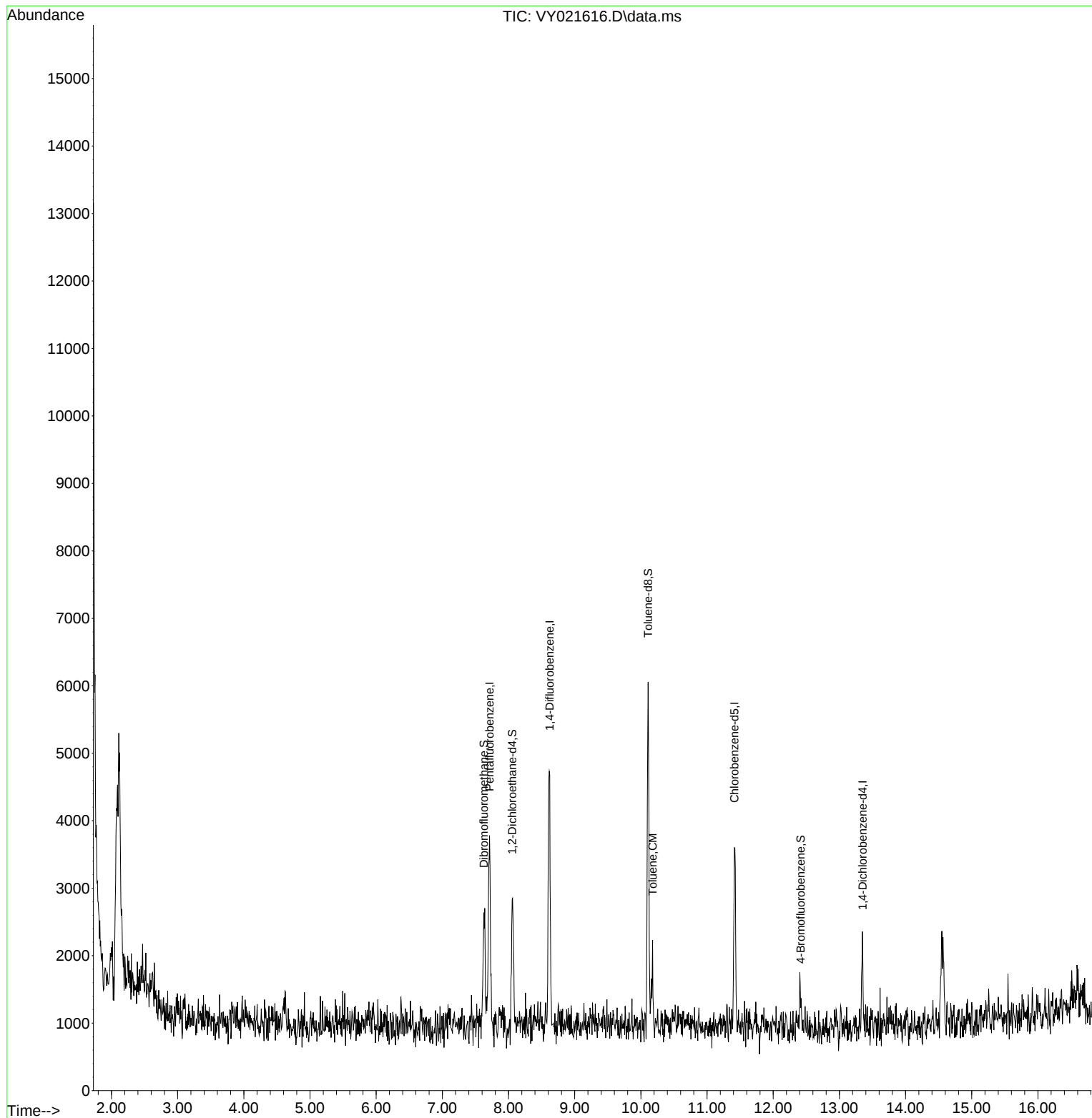
Internal Standards						
1) Pentafluorobenzene	7.713	168	2492	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.622	114	3569	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1721	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	1693	64.277	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.560%	
35) Dibromofluoromethane	7.628	113	1349	57.503	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.000%	
50) Toluene-d8	10.109	98	3407	38.356	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.720%	
62) 4-Bromofluorobenzene	12.414	95	305	10.094	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 20.180%#	
Target Compounds						
52) Toluene	10.176	92	397	5.821	ug/l	Qvalue 89

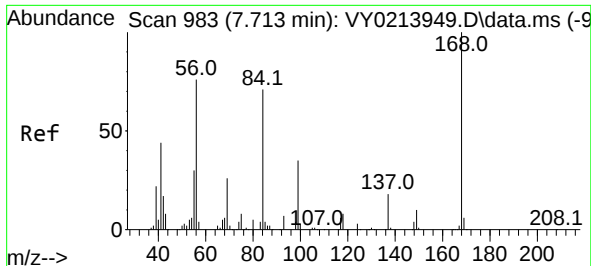
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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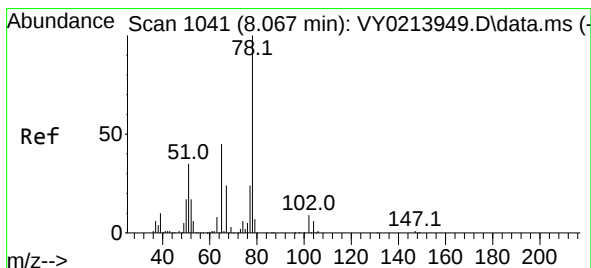
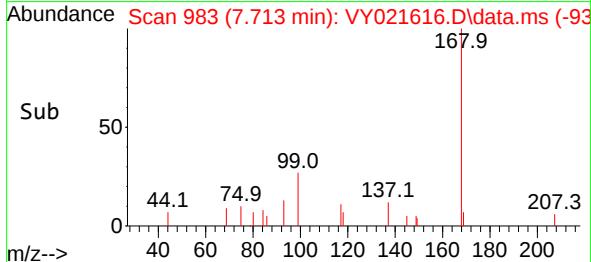
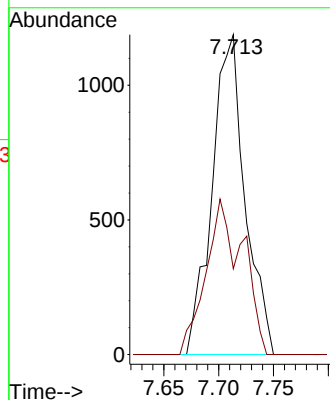
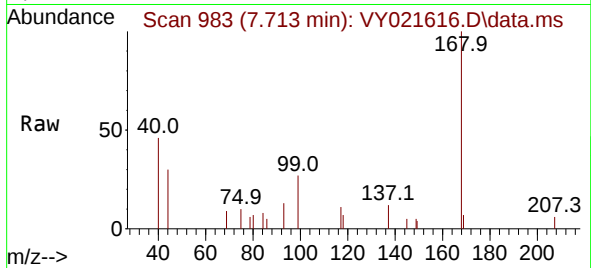




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021616.D
Acq: 24 Mar 2025 14:28

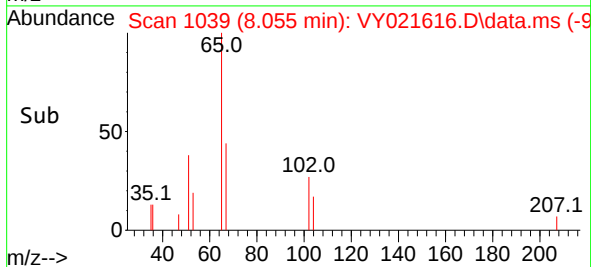
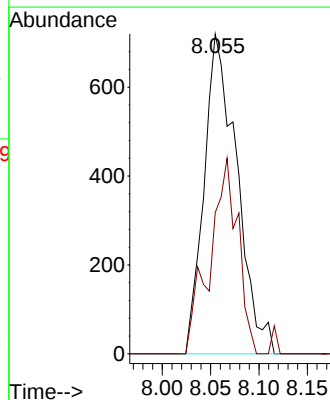
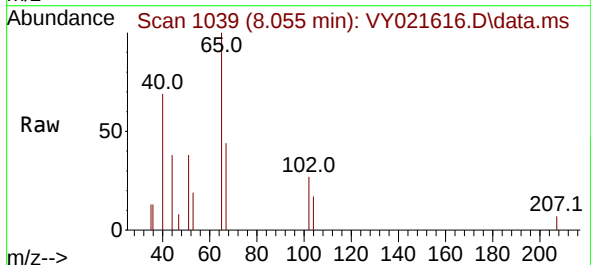
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

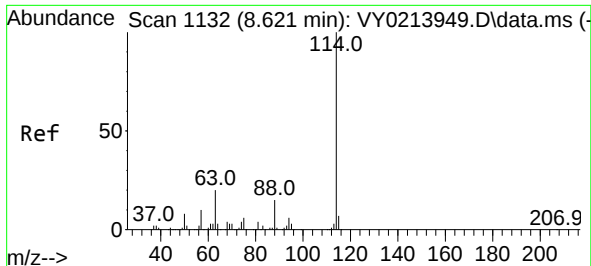
Tgt Ion:168 Resp: 2492
Ion Ratio Lower Upper
168 100
99 26.9 46.0 69.0#



#33
1,2-Dichloroethane-d4
Concen: 64.277 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021616.D
Acq: 24 Mar 2025 14:28

Tgt Ion: 65 Resp: 1693
Ion Ratio Lower Upper
65 100
67 52.8 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VY021616.D

Acq: 24 Mar 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-1

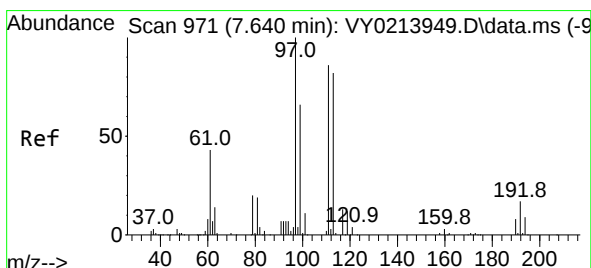
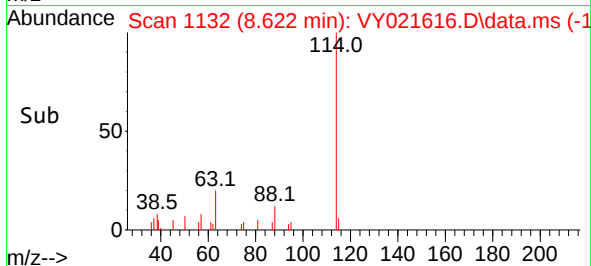
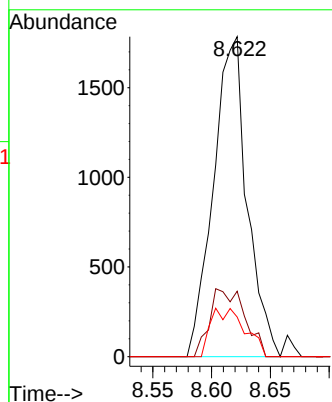
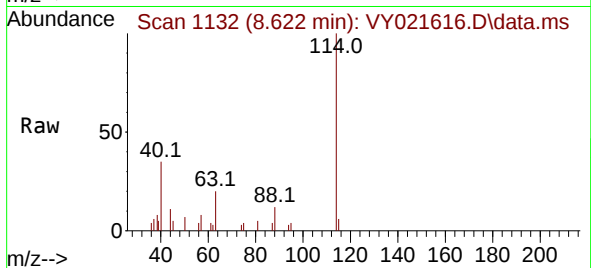
Tgt Ion:114 Resp: 3569

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 12.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 57.503 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.012 min

Lab File: VY021616.D

Acq: 24 Mar 2025 14:28

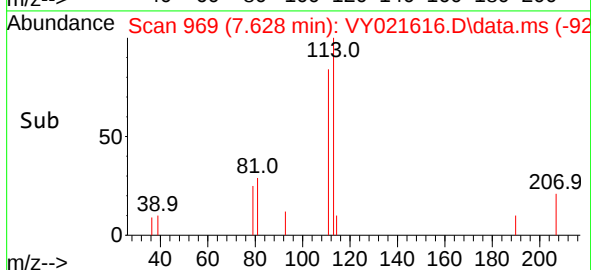
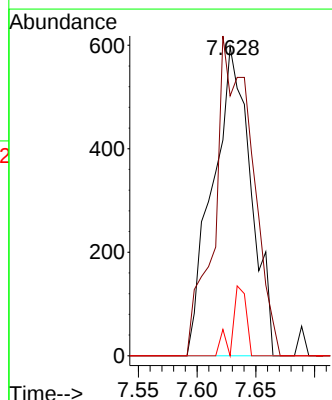
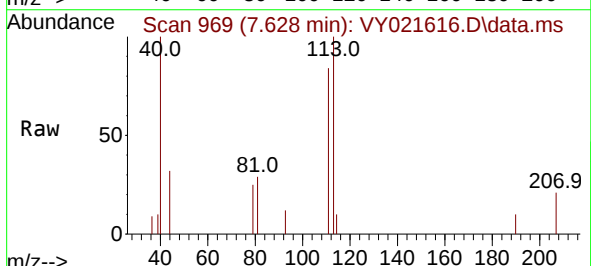
Tgt Ion:113 Resp: 1349

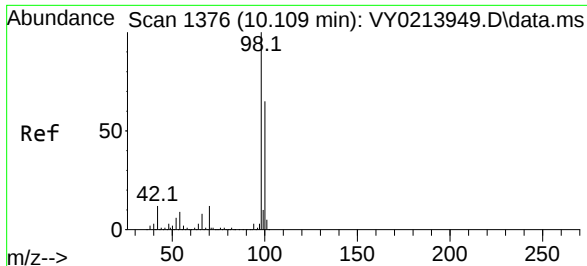
Ion Ratio Lower Upper

113 100

111 101.0 82.0 123.0

192 8.3 15.9 23.9#

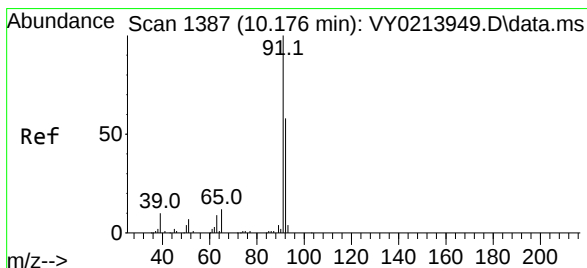
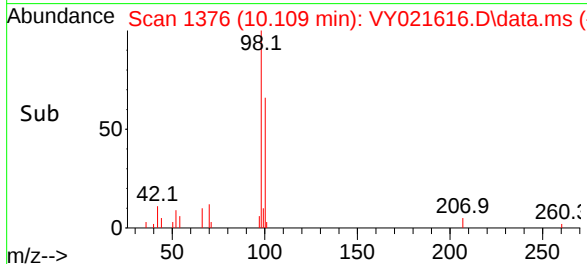
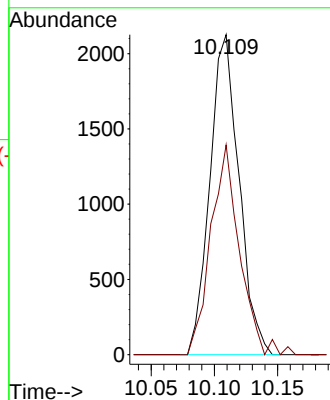
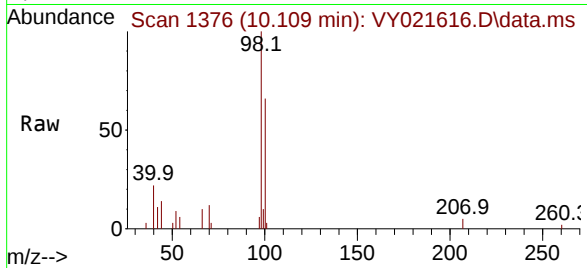




#50
Toluene-d8
Concen: 38.356 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021616.D
Acq: 24 Mar 2025 14:28

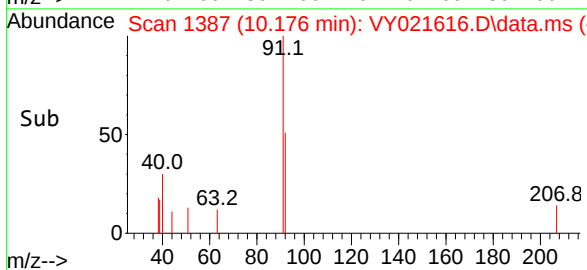
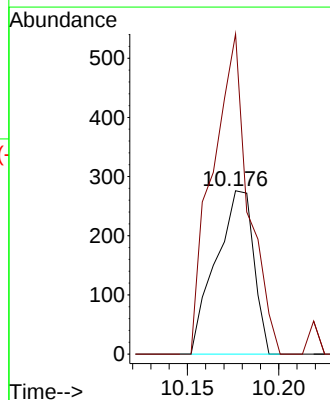
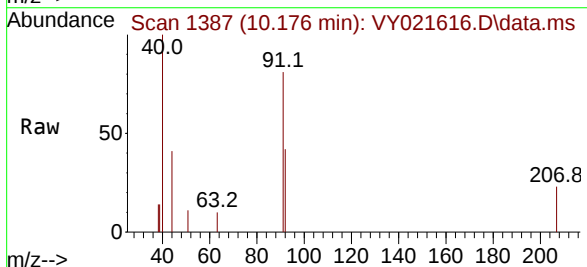
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

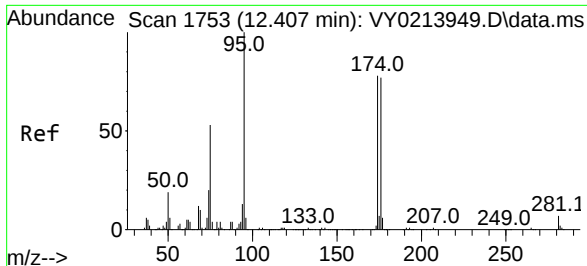
Tgt Ion: 98 Resp: 3407
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#52
Toluene
Concen: 5.821 ug/l
RT: 10.176 min Scan# 1387
Delta R.T. 0.000 min
Lab File: VY021616.D
Acq: 24 Mar 2025 14:28

Tgt Ion: 92 Resp: 397
Ion Ratio Lower Upper
92 100
91 187.9 138.2 207.2

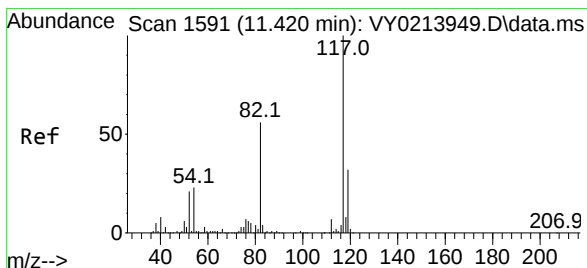
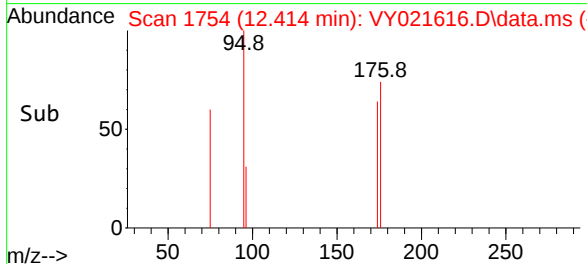
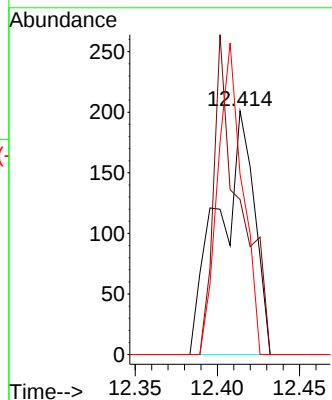
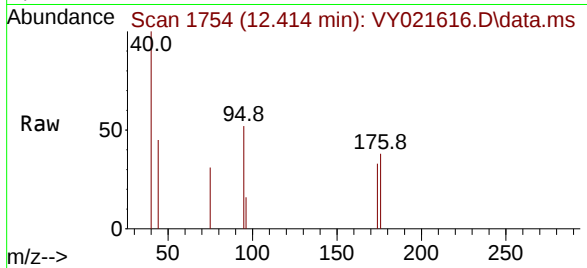




#62
4-Bromofluorobenzene
Concen: 10.094 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021616.D
Acq: 24 Mar 2025 14:28

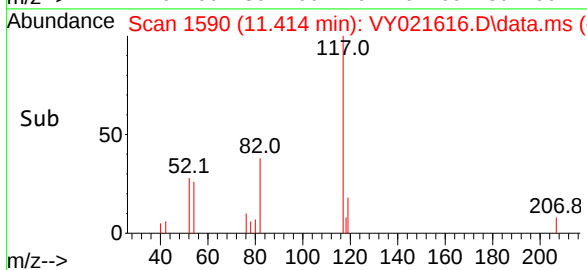
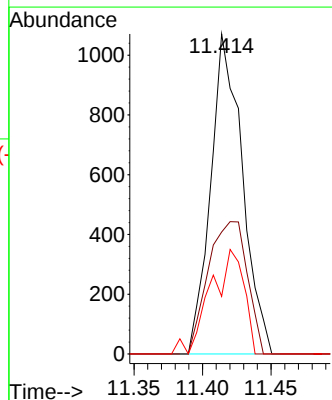
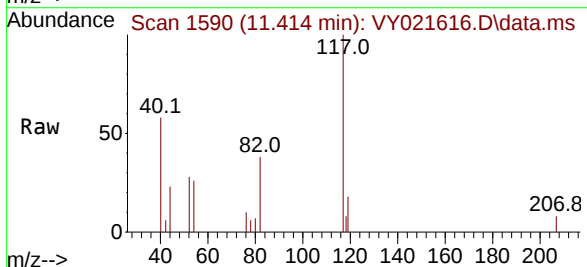
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

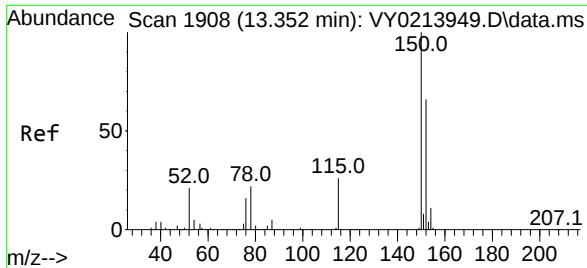
Tgt Ion: 95 Resp: 305
Ion Ratio Lower Upper
95 100
174 94.1 0.0 165.0
176 88.5 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021616.D
Acq: 24 Mar 2025 14:28

Tgt Ion: 117 Resp: 1721
Ion Ratio Lower Upper
117 100
82 38.1 44.6 67.0#
119 18.0 25.4 38.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021616.D

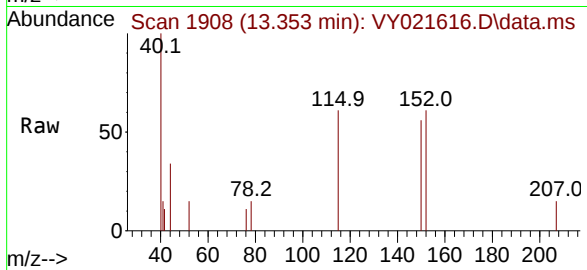
Acq: 24 Mar 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

TP-1



Tgt Ion:152 Resp: 423

Ion Ratio Lower Upper

152 100

115 67.4 29.0 87.0

150 122.5 0.0 347.2

