

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032125\
 Data File : VY021598.D
 Acq On : 21 Mar 2025 14:39
 Operator : SY/MD
 Sample : Q1619-07
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Mar 21 23:11:27 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)

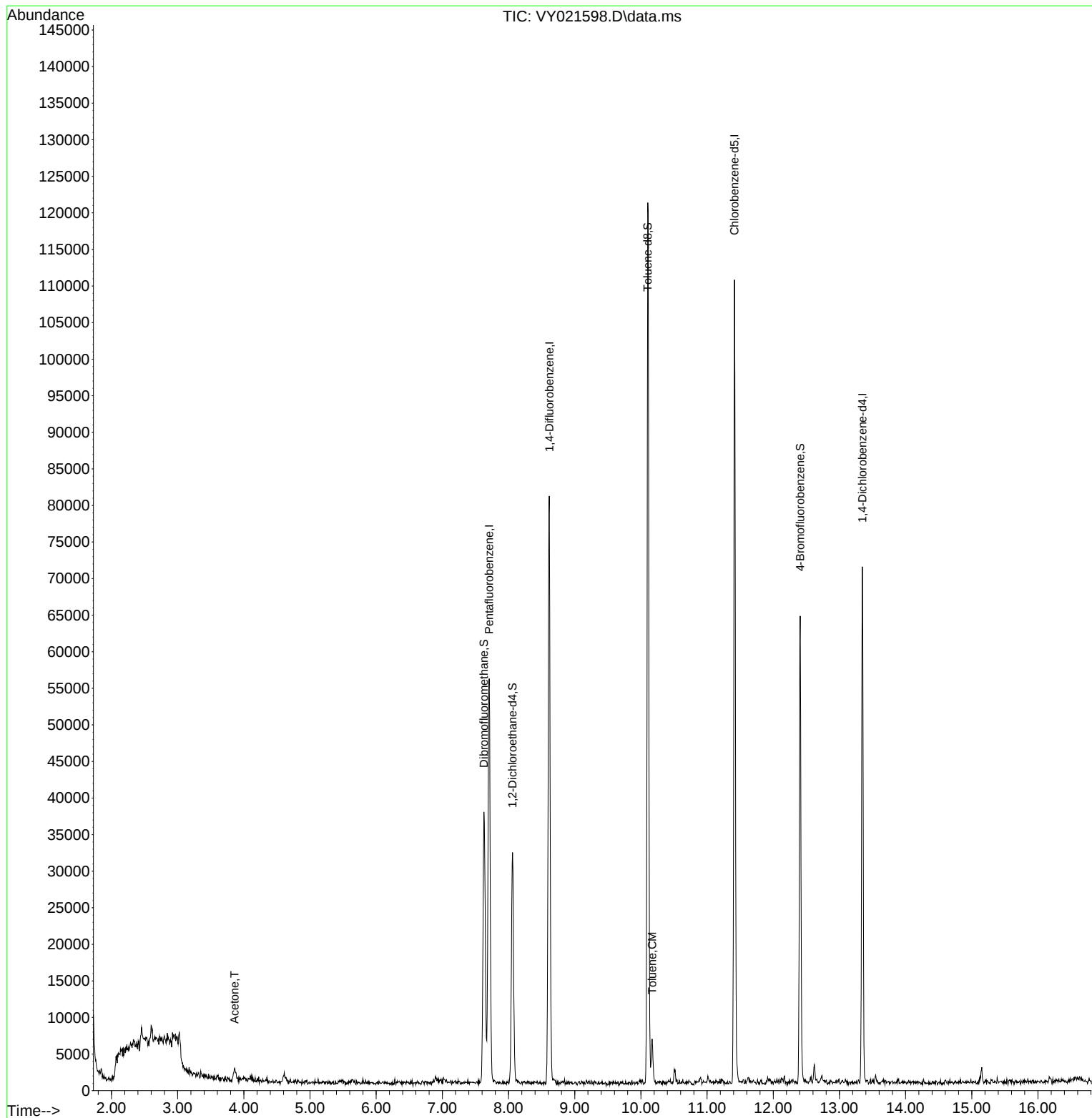
Internal Standards						
1) Pentafluorobenzene	7.707	168	41643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	66577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	55442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	17662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25321	57.529	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.060%
35) Dibromofluoromethane	7.628	113	25434	58.119	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.240%
50) Toluene-d8	10.103	98	77648	46.861	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.720%
62) 4-Bromofluorobenzene	12.408	95	19516	34.625	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.260%
Target Compounds						Qvalue
16) Acetone	3.860	43	2711	28.240	ug/l	92
52) Toluene	10.170	92	2196	1.726	ug/l	97

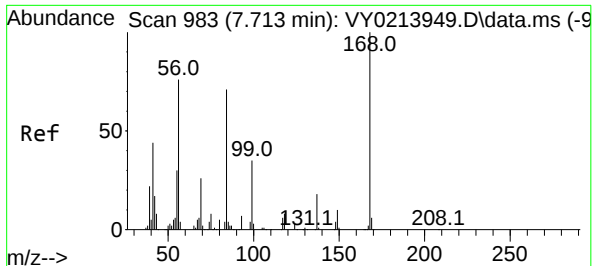
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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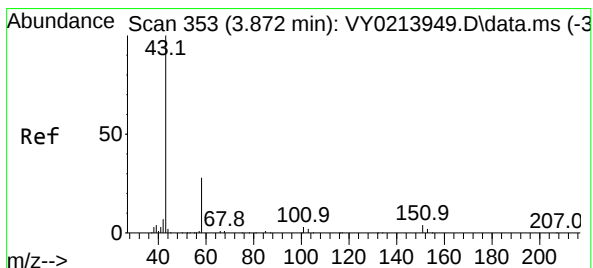
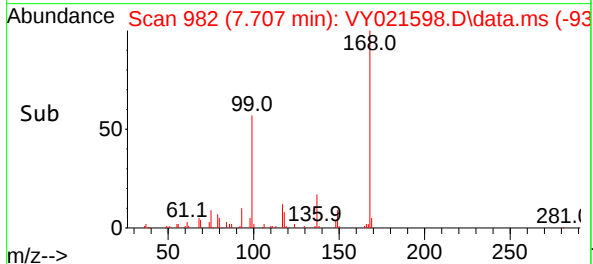
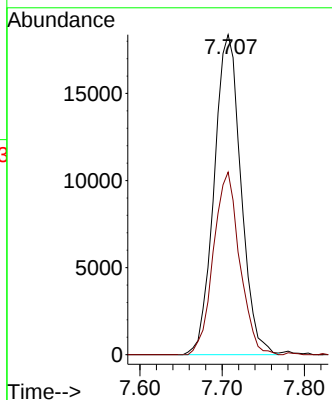
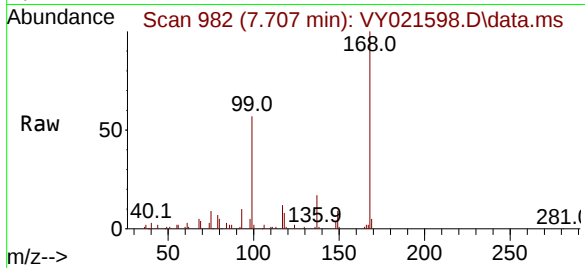




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

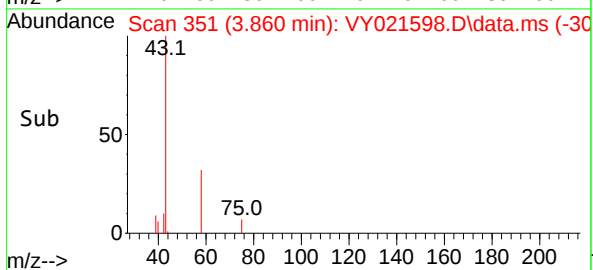
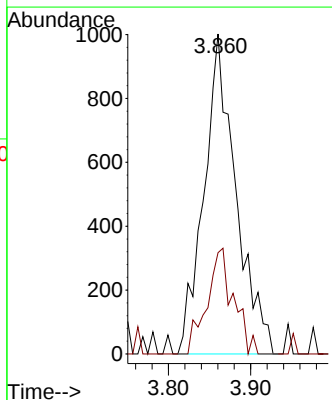
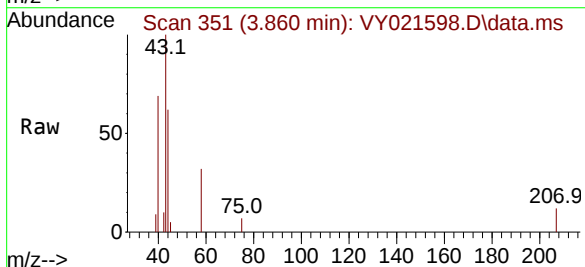
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

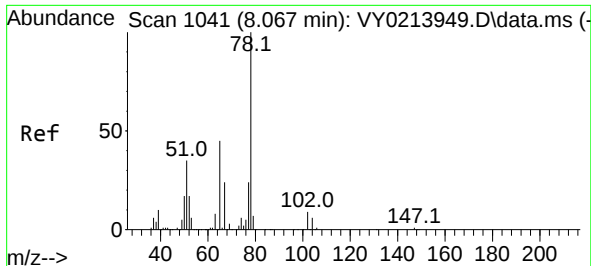
Tgt Ion:168 Resp: 41643
Ion Ratio Lower Upper
168 100
99 57.0 46.0 69.0



#16
Acetone
Concen: 28.240 ug/l
RT: 3.860 min Scan# 351
Delta R.T. -0.012 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion: 43 Resp: 2711
Ion Ratio Lower Upper
43 100
58 31.6 22.1 33.1





#33

1,2-Dichloroethane-d4

Concen: 57.529 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021598.D

Acq: 21 Mar 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

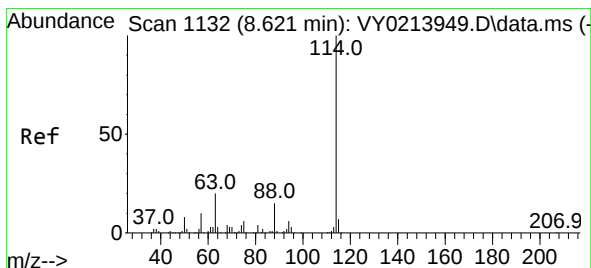
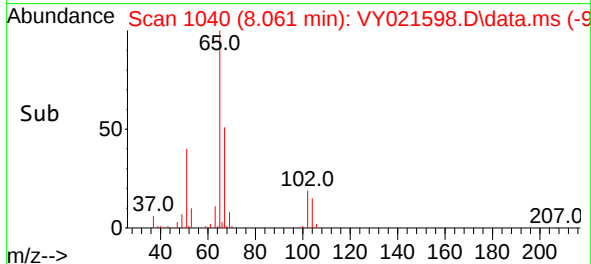
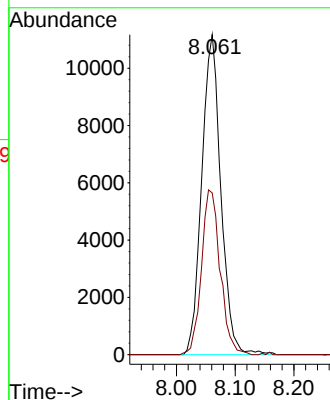
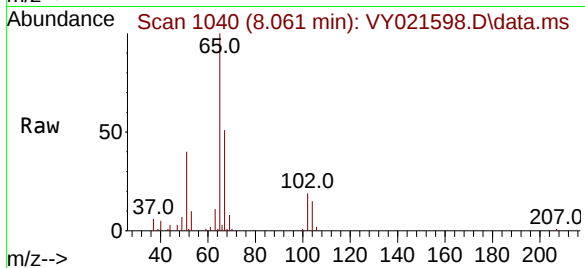
TP-2

Tgt Ion: 65 Resp: 25321

Ion Ratio Lower Upper

65 100

67 50.3 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021598.D

Acq: 21 Mar 2025 14:39

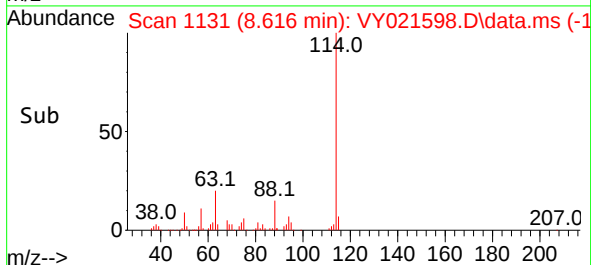
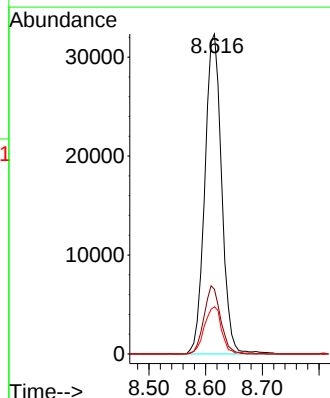
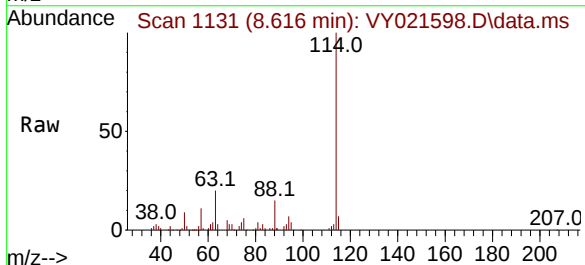
Tgt Ion:114 Resp: 66577

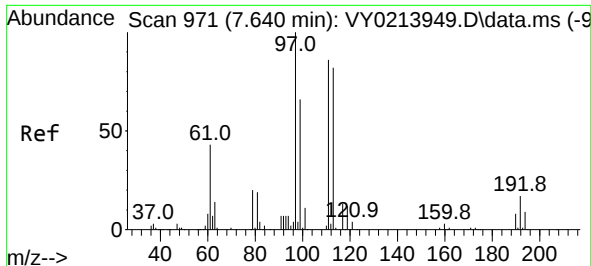
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 14.7 0.0 30.8

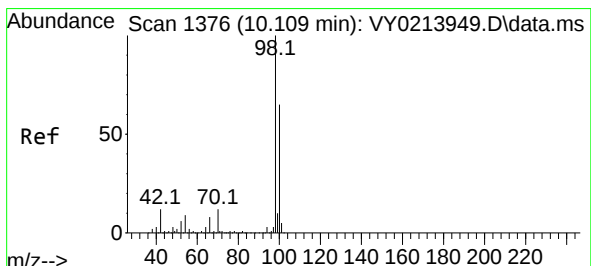
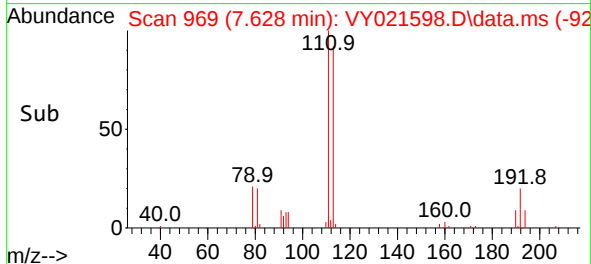
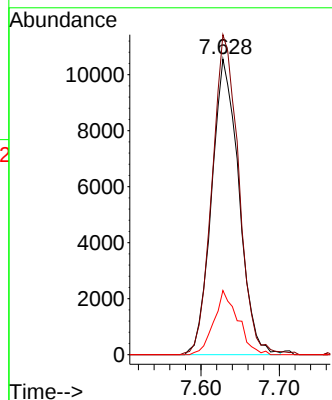
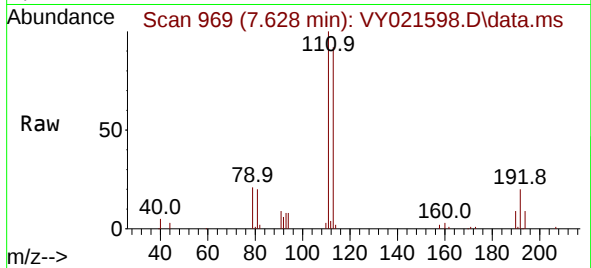




#35
Dibromofluoromethane
Concen: 58.119 ug/l
RT: 7.628 min Scan# 90
Delta R.T. -0.012 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

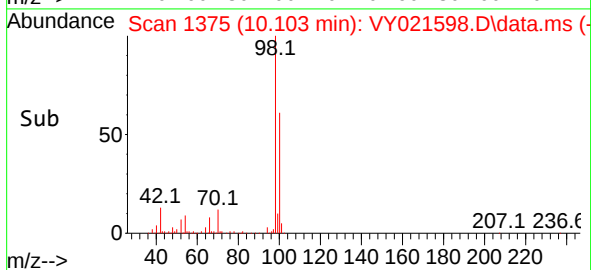
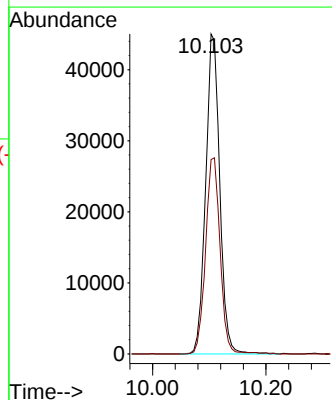
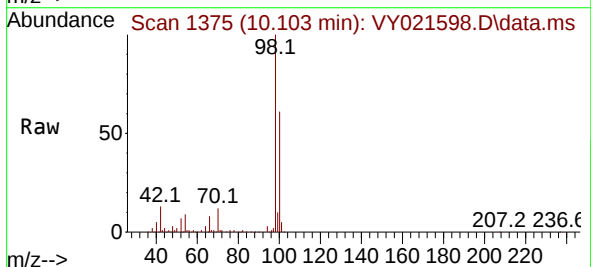
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

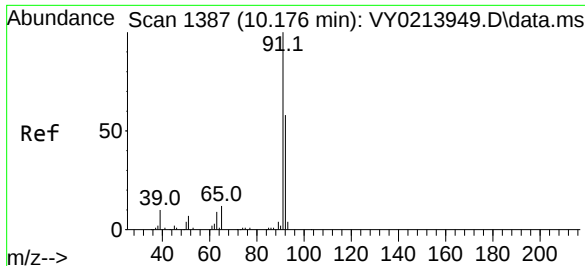
Tgt Ion:113 Resp: 25434
Ion Ratio Lower Upper
113 100
111 106.6 82.0 123.0
192 19.3 15.9 23.9



#50
Toluene-d8
Concen: 46.861 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion: 98 Resp: 77648
Ion Ratio Lower Upper
98 100
100 63.3 52.1 78.1





#52

Toluene

Concen: 1.726 ug/l

RT: 10.170 min Scan# 1386

Delta R.T. -0.006 min

Lab File: VY021598.D

Acq: 21 Mar 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

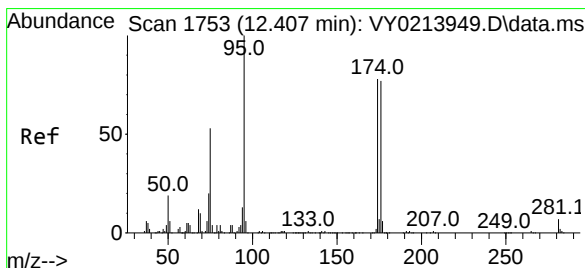
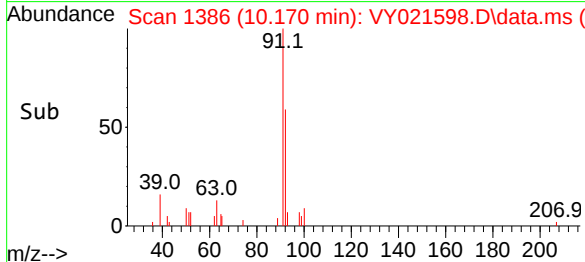
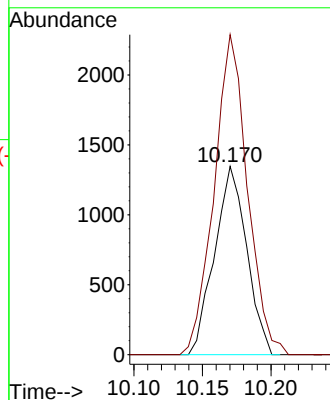
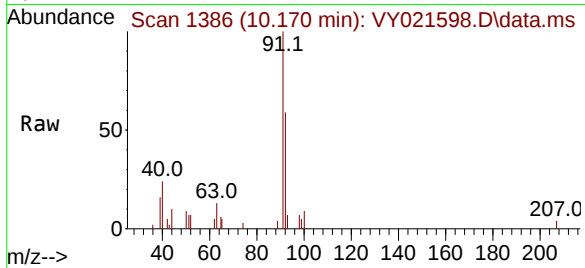
TP-2

Tgt Ion: 92 Resp: 2196

Ion Ratio Lower Upper

92 100

91 176.4 138.2 207.2



#62

4-Bromofluorobenzene

Concen: 34.625 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021598.D

Acq: 21 Mar 2025 14:39

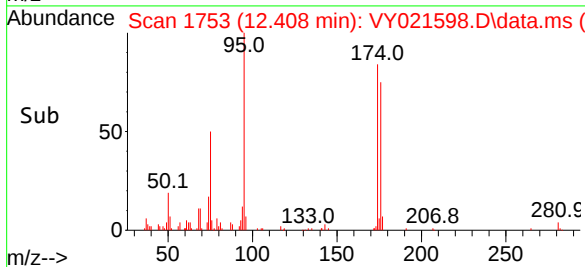
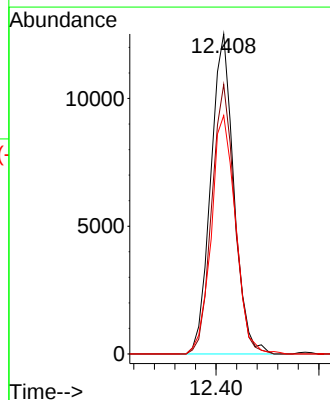
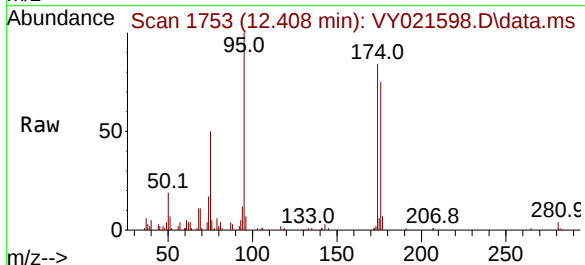
Tgt Ion: 95 Resp: 19516

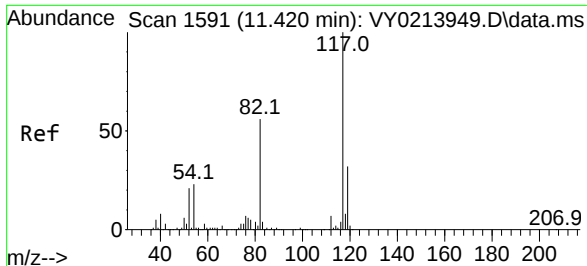
Ion Ratio Lower Upper

95 100

174 83.2 0.0 165.0

176 78.3 0.0 160.0

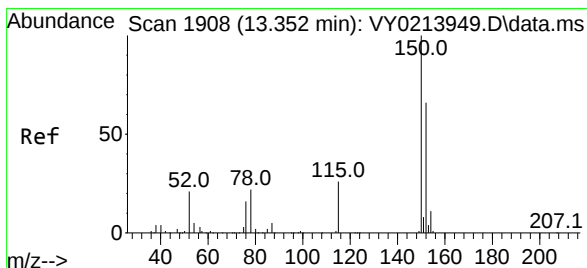
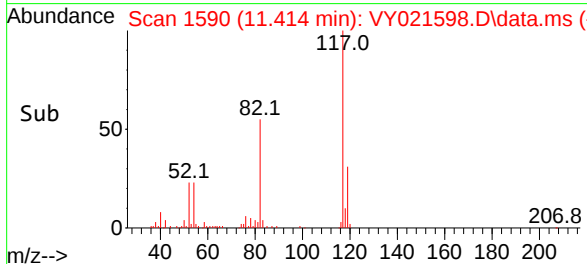
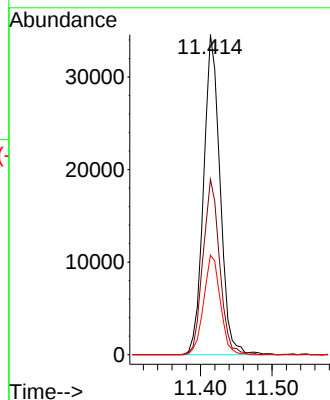
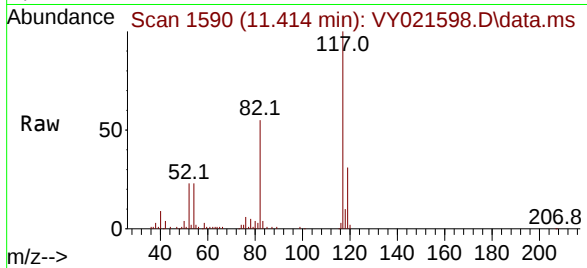




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Instrument :
MSVOA_Y
ClientSampleId :
TP-2

Tgt Ion:117 Resp: 55442
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 31.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021598.D
Acq: 21 Mar 2025 14:39

Tgt Ion:152 Resp: 17662
Ion Ratio Lower Upper
152 100
115 61.4 29.0 87.0
150 154.2 0.0 347.2

