

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021624.D
 Acq On : 24 Mar 2025 17:35
 Operator : SY/MD
 Sample : Q1634-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-032425

Quant Time: Mar 25 01:32:21 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	661	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	1161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	499	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	104	50.000	ug/l	# 0.00

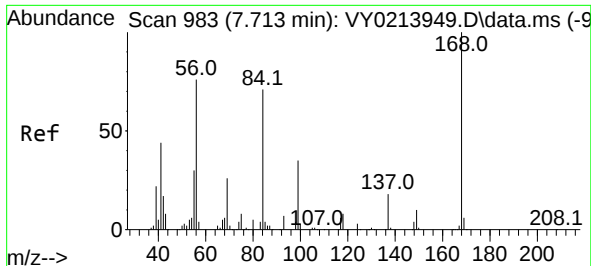
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	663	94.899	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	189.800%#
35) Dibromofluoromethane	7.628	113	261	34.201	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	68.400%
50) Toluene-d8	10.109	98	863	29.867	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	59.740%
62) 4-Bromofluorobenzene	12.408	95	151	15.363	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	30.720%

Target Compounds	Qvalue

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

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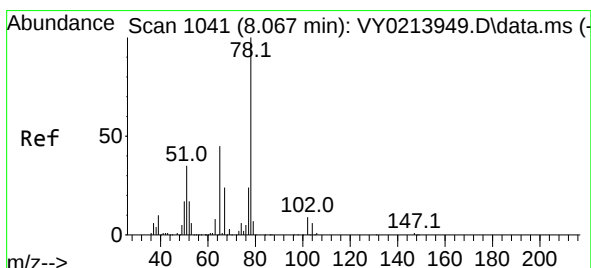
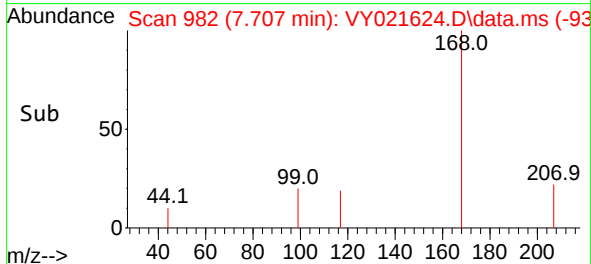
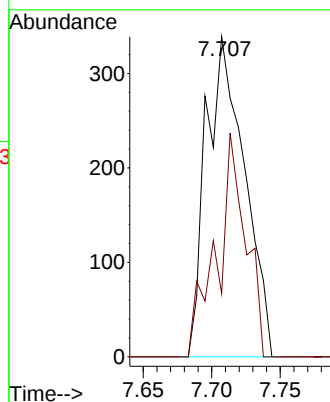
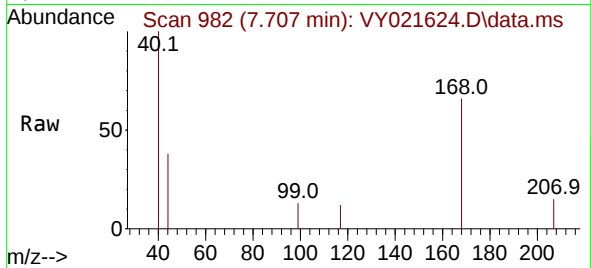




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY021624.D
Acq: 24 Mar 2025 17:35

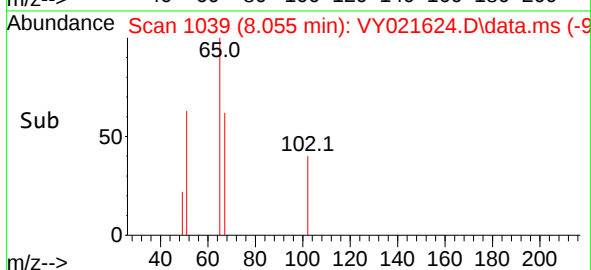
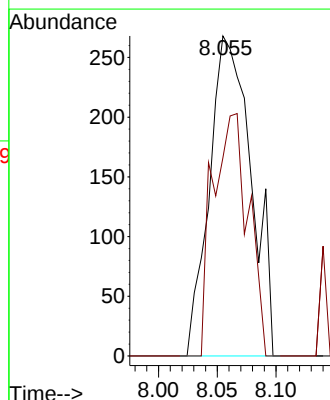
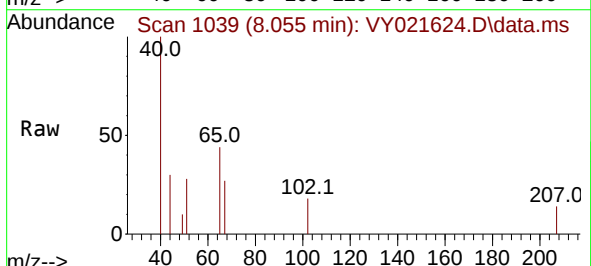
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-032425

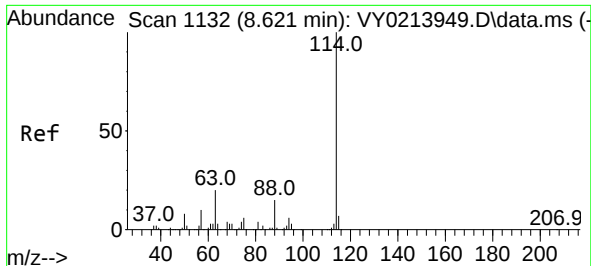
Tgt Ion:168 Resp: 661
Ion Ratio Lower Upper
168 100
99 19.8 46.0 69.0#



#33
1,2-Dichloroethane-d4
Concen: 94.899 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY021624.D
Acq: 24 Mar 2025 17:35

Tgt Ion: 65 Resp: 663
Ion Ratio Lower Upper
65 100
67 64.4 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021624.D

Acq: 24 Mar 2025 17:35

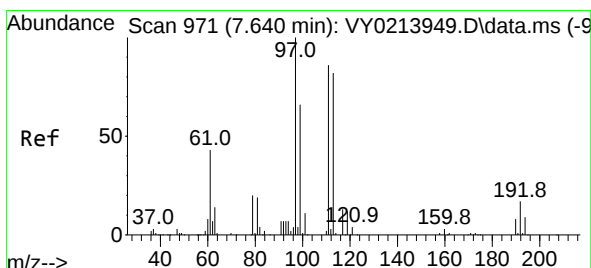
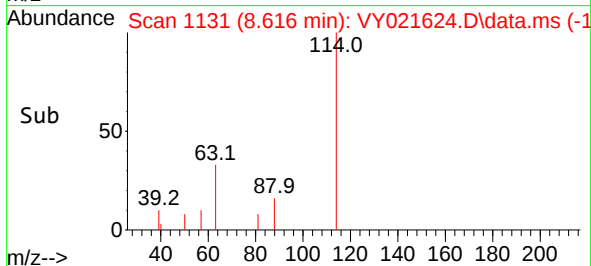
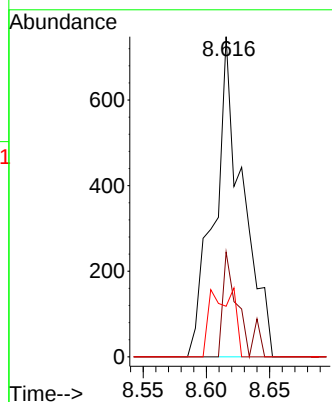
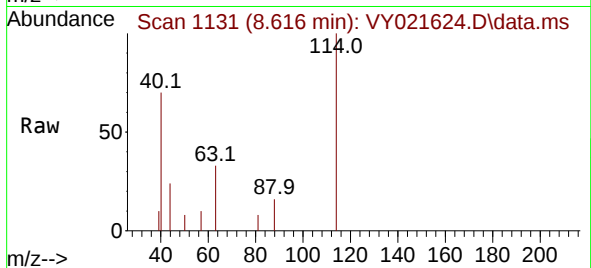
Instrument :

MSVOA_Y

ClientSampleId :

HR-04-032425

Tgt Ion:114	Resp:	1161
Ion	Ratio	Lower Upper
114	100	
63	32.8	0.0 40.8
88	15.8	0.0 30.8



#35

Dibromofluoromethane

Concen: 34.201 ug/l

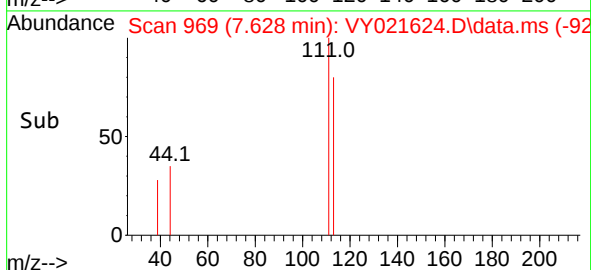
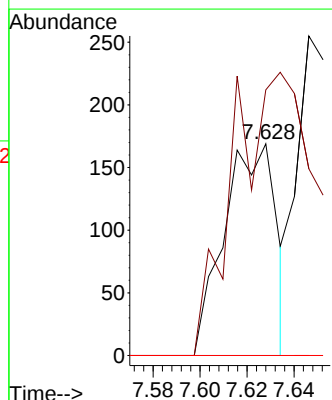
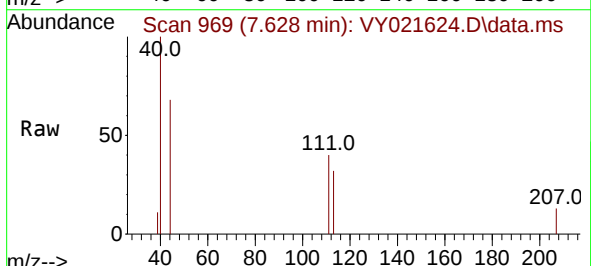
RT: 7.628 min Scan# 969

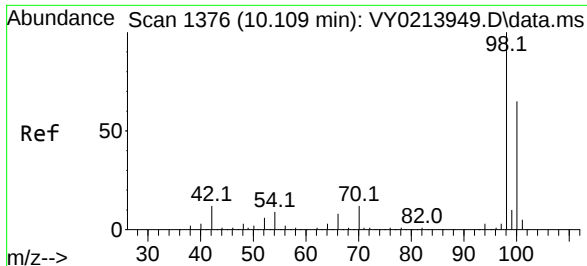
Delta R.T. -0.012 min

Lab File: VY021624.D

Acq: 24 Mar 2025 17:35

Tgt Ion:113	Resp:	261
Ion	Ratio	Lower Upper
113	100	
111	212.6	82.0 123.0#
192	0.0	15.9 23.9#





#50

Toluene-d8

Concen: 29.867 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021624.D

Acq: 24 Mar 2025 17:35

Instrument :

MSVOA_Y

ClientSampleId :

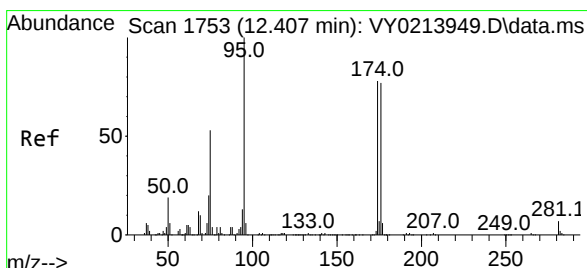
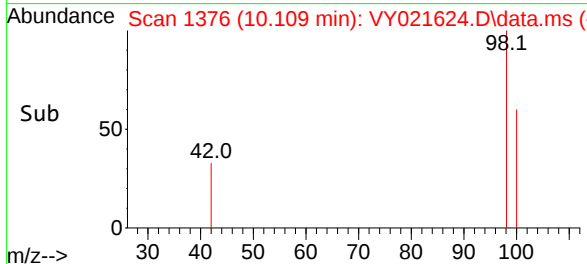
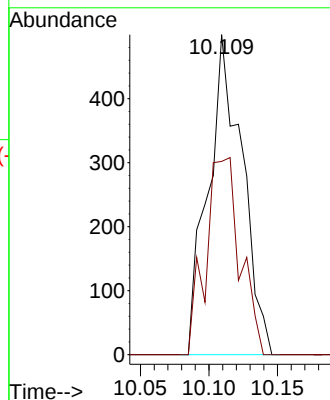
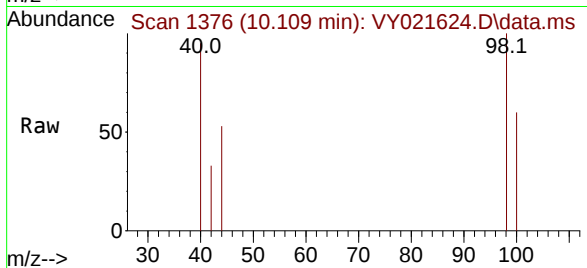
HR-04-032425

Tgt Ion: 98 Resp: 863

Ion Ratio Lower Upper

98 100

100 62.5 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 15.363 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021624.D

Acq: 24 Mar 2025 17:35

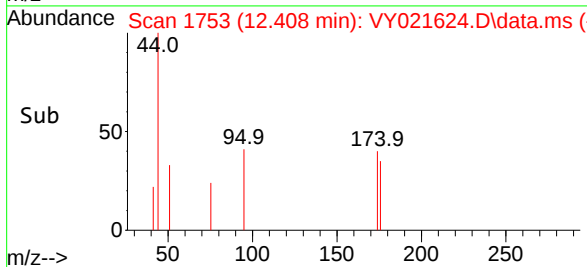
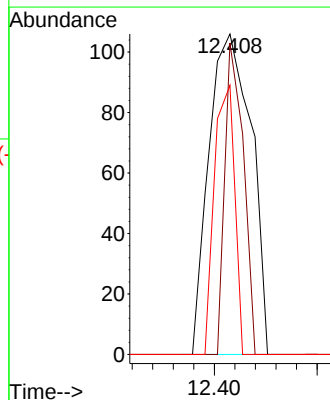
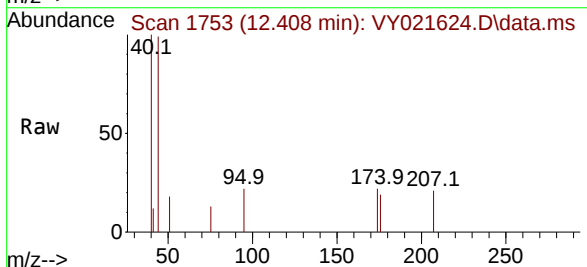
Tgt Ion: 95 Resp: 151

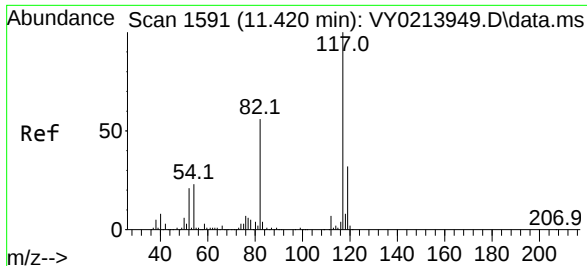
Ion Ratio Lower Upper

95 100

174 42.4 0.0 165.0

176 40.4 0.0 160.0

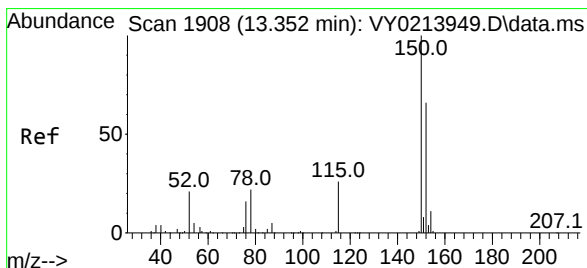
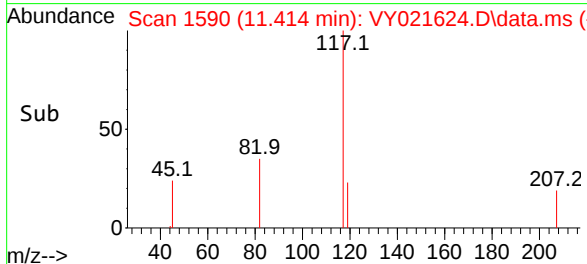
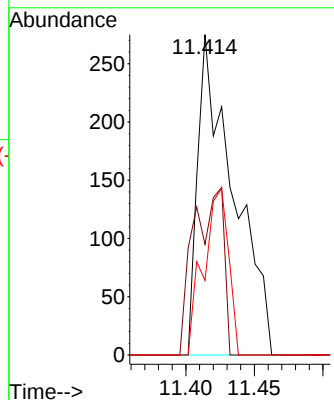
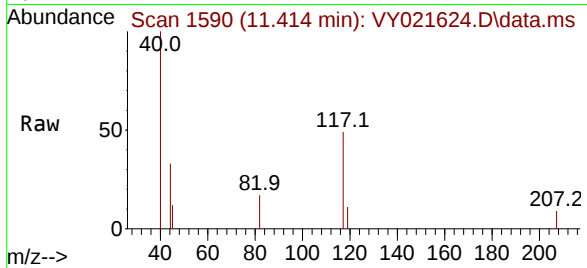




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021624.D
Acq: 24 Mar 2025 17:35

Instrument :
MSVOA_Y
ClientSampleId :
HR-04-032425

Tgt Ion:117 Resp: 499
Ion Ratio Lower Upper
117 100
82 34.5 44.6 67.0#
119 23.3 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: VY021624.D
Acq: 24 Mar 2025 17:35

Tgt Ion:152 Resp: 104
Ion Ratio Lower Upper
152 100
115 0.0 29.0 87.0#
150 352.9 0.0 347.2#

