

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032625\
 Data File : VY021652.D
 Acq On : 26 Mar 2025 17:21
 Operator : SY/MD
 Sample : Q1636-15
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-4-VOC

Quant Time: Mar 27 01:33:19 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)

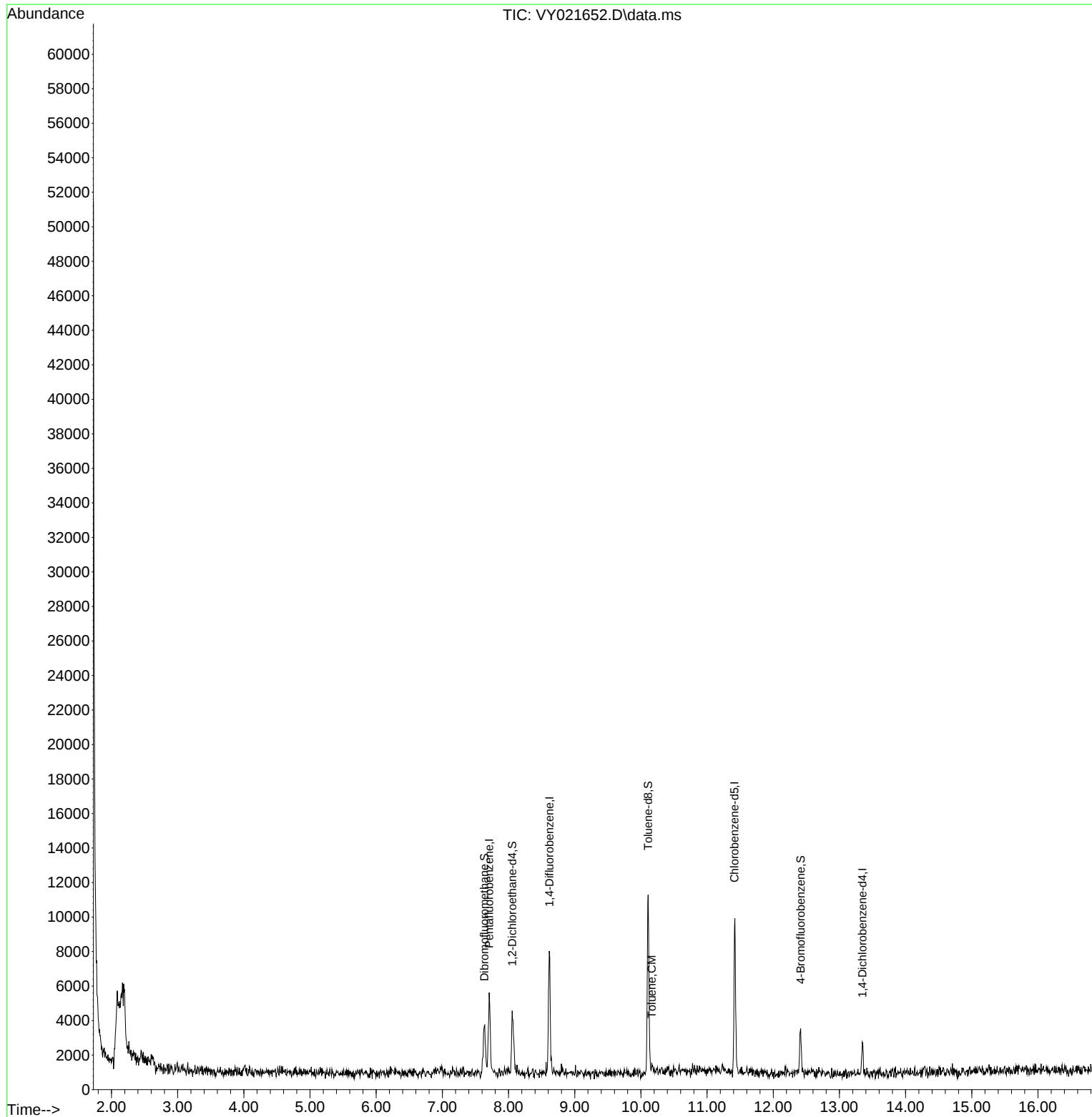
Internal Standards						
1) Pentafluorobenzene	7.707	168	3569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	5710	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	4433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	2927	77.594	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	155.180%
35) Dibromofluoromethane	7.634	113	2153	57.363	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.720%
50) Toluene-d8	10.109	98	6915	48.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.320%
62) 4-Bromofluorobenzene	12.414	95	1056	21.845	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	43.700%
Target Compounds						
52) Toluene	10.164	92	251	2.300	ug/l	Qvalue 86

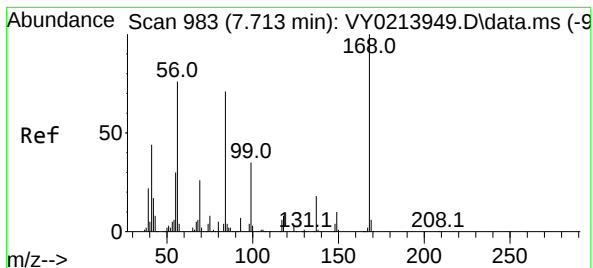
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VY021652.D

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Instrument :

MSVOA_Y

ClientSampleId :

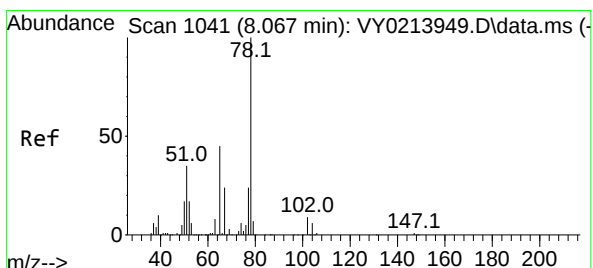
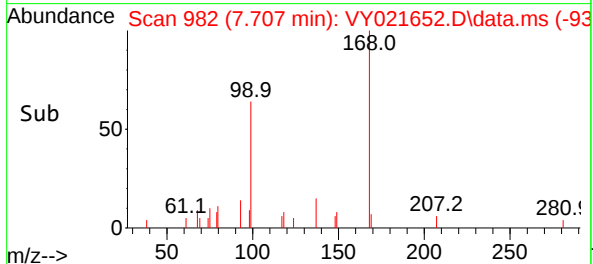
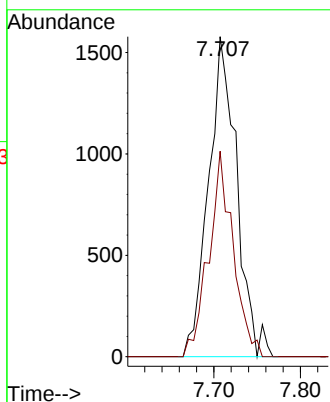
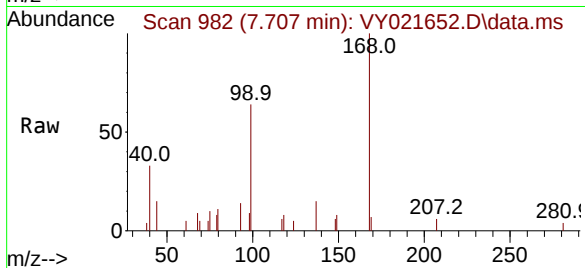
WC-4-VOC

Tgt Ion:168 Resp: 3569

Ion Ratio Lower Upper

168 100

99 64.2 46.0 69.0



#33

1,2-Dichloroethane-d4

Concen: 77.594 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY021652.D

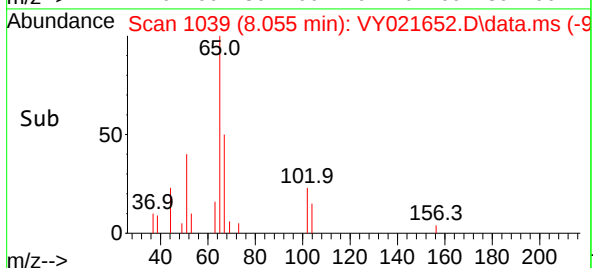
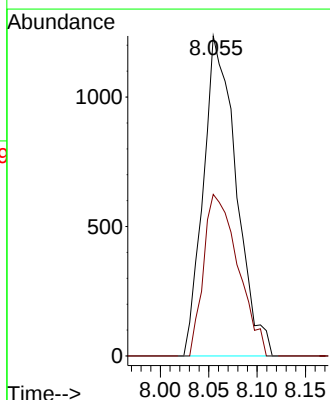
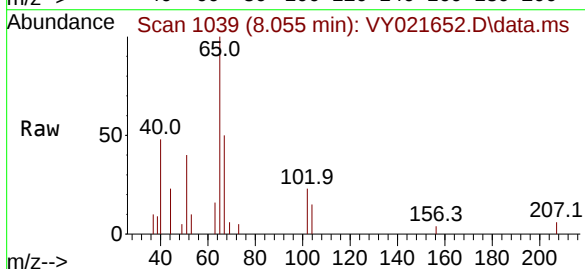
Acq: 26 Mar 2025 17:21

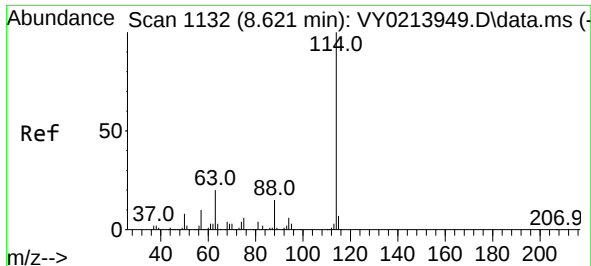
Tgt Ion: 65 Resp: 2927

Ion Ratio Lower Upper

65 100

67 52.7 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: VY021652.D

Acq: 26 Mar 2025 17:21

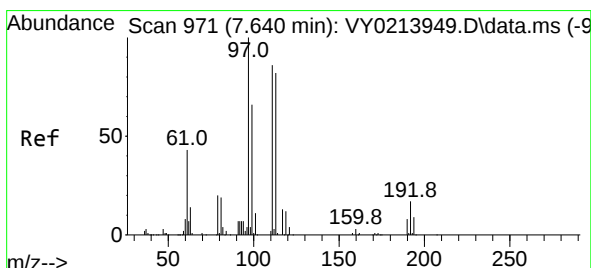
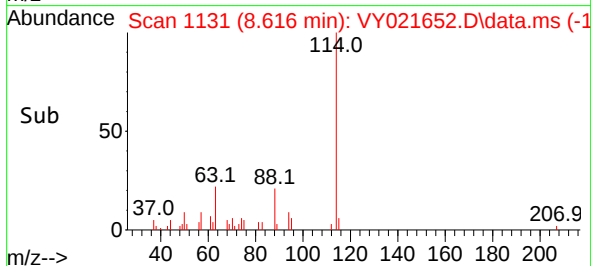
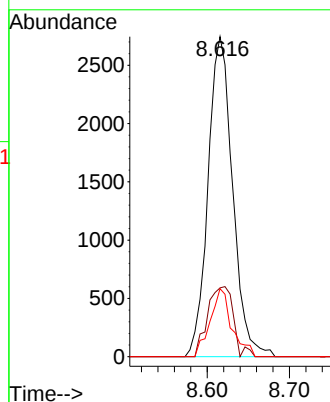
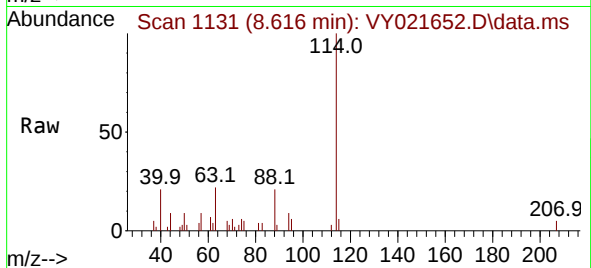
Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC

Tgt Ion:114	Resp:	5710
Ion Ratio	Lower	Upper
114	100	
63	21.5	0.0 40.8
88	21.3	0.0 30.8



#35

Dibromofluoromethane

Concen: 57.363 ug/l

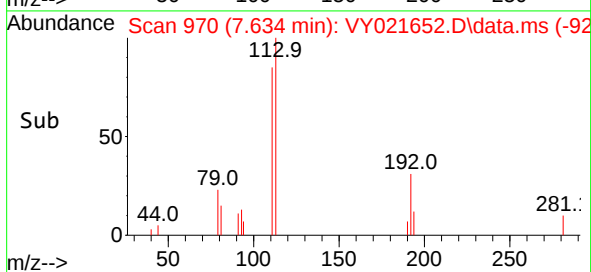
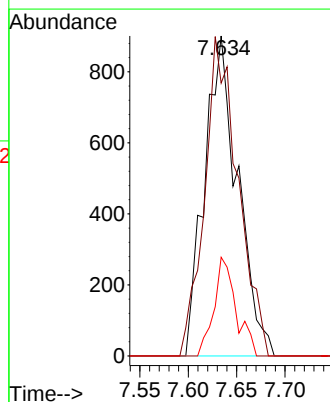
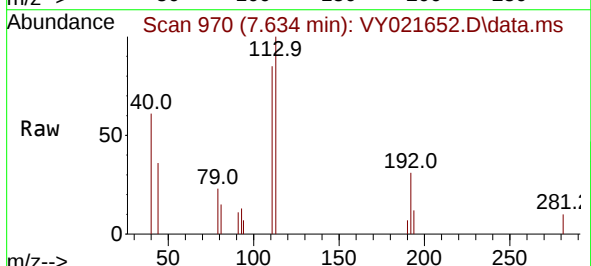
RT: 7.634 min Scan# 970

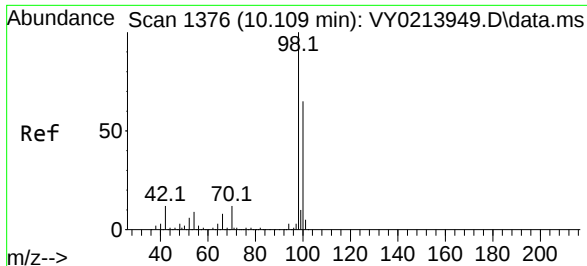
Delta R.T. -0.006 min

Lab File: VY021652.D

Acq: 26 Mar 2025 17:21

Tgt Ion:113	Resp:	2153
Ion Ratio	Lower	Upper
113	100	
111	100.0	82.0 123.0
192	20.4	15.9 23.9





#50

Toluene-d8

Concen: 48.659 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021652.D

Acq: 26 Mar 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

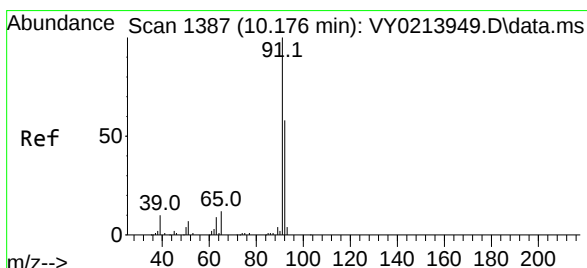
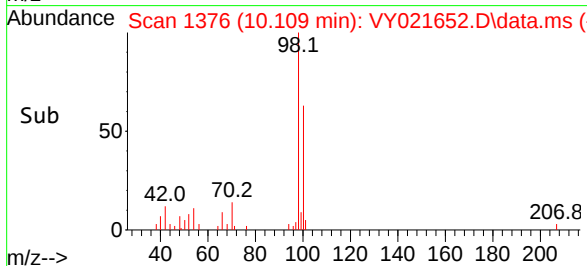
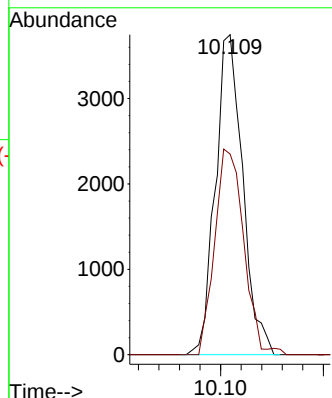
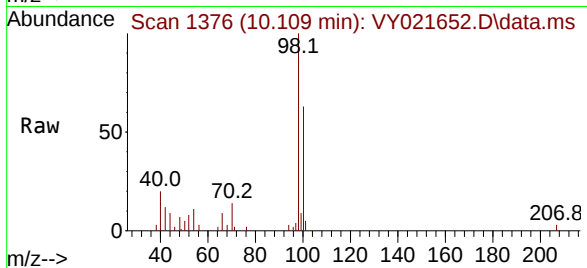
WC-4-VOC

Tgt Ion: 98 Resp: 6915

Ion Ratio Lower Upper

98 100

100 68.2 52.1 78.1



#52

Toluene

Concen: 2.300 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. -0.012 min

Lab File: VY021652.D

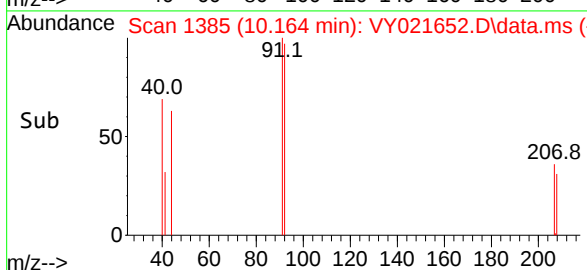
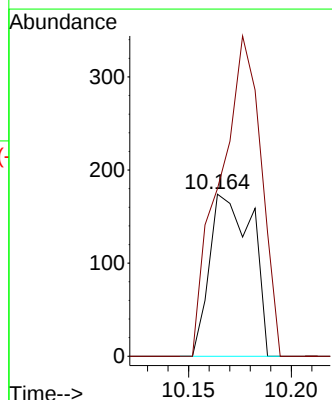
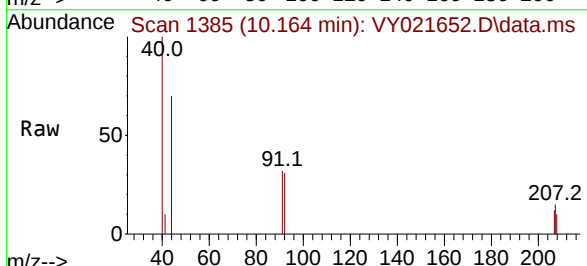
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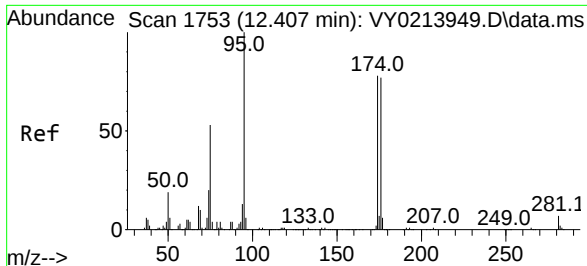
Tgt Ion: 92 Resp: 251

Ion Ratio Lower Upper

92 100

91 191.6 138.2 207.2

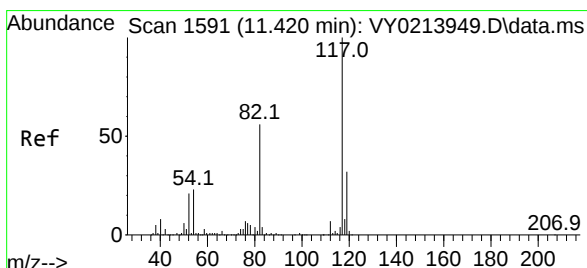
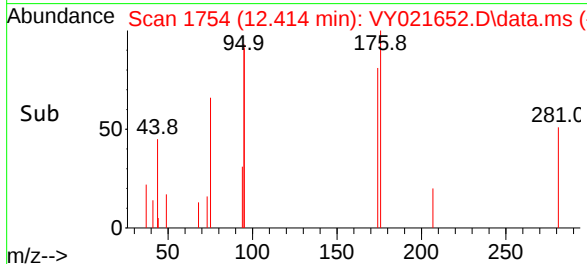
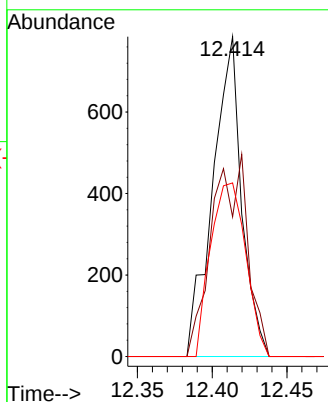
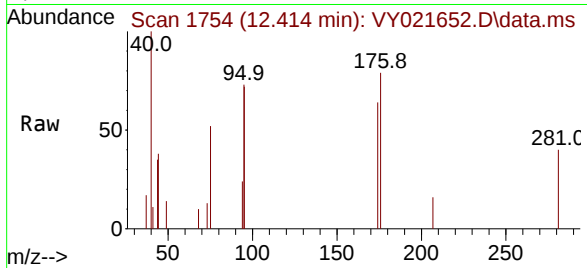




#62
4-Bromofluorobenzene
Concen: 21.845 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021652.D
Acq: 26 Mar 2025 17:21

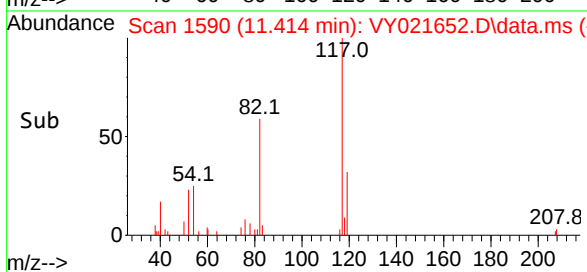
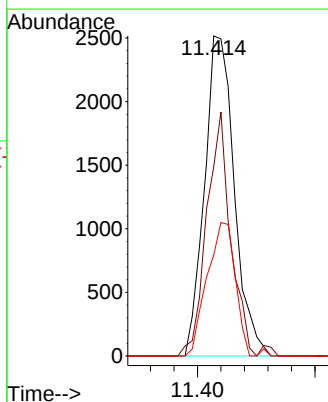
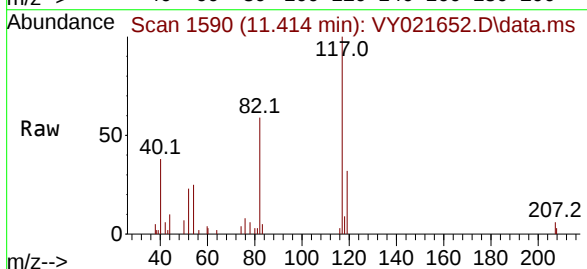
Instrument :
MSVOA_Y
ClientSampleId :
WC-4-VOC

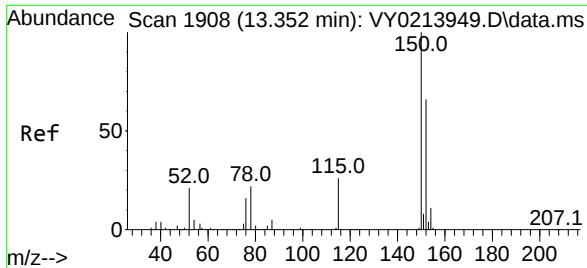
Tgt Ion: 95 Resp: 1056
Ion Ratio Lower Upper
95 100
174 77.1 0.0 165.0
176 66.2 0.0 160.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021652.D
Acq: 26 Mar 2025 17:21

Tgt Ion: 117 Resp: 4433
Ion Ratio Lower Upper
117 100
82 59.1 44.6 67.0
119 31.5 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: VY021652.D

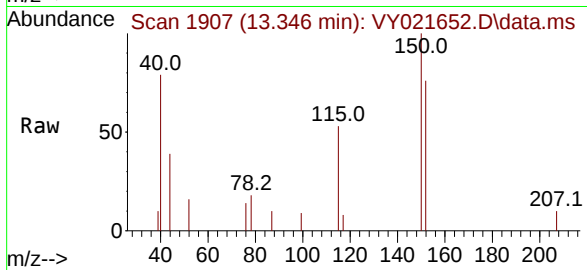
Acq: 26 Mar 2025 17:21

Instrument :

MSVOA_Y

ClientSampleId :

WC-4-VOC



Tgt Ion:152 Resp: 581

Ion Ratio Lower Upper

152 100

115 68.7 29.0 87.0

150 153.2 0.0 347.2

