

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032525\
 Data File : VY021633.D
 Acq On : 25 Mar 2025 14:12
 Operator : SY/MD
 Sample : Q1636-07
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-2-VOC

Quant Time: Mar 26 01:36:33 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	233624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	450541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	410298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	162767	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153413	62.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.260%
35) Dibromofluoromethane	7.634	113	154183	52.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.120%
50) Toluene-d8	10.109	98	546220	48.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.420%
62) 4-Bromofluorobenzene	12.408	95	171709	45.018	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.040%

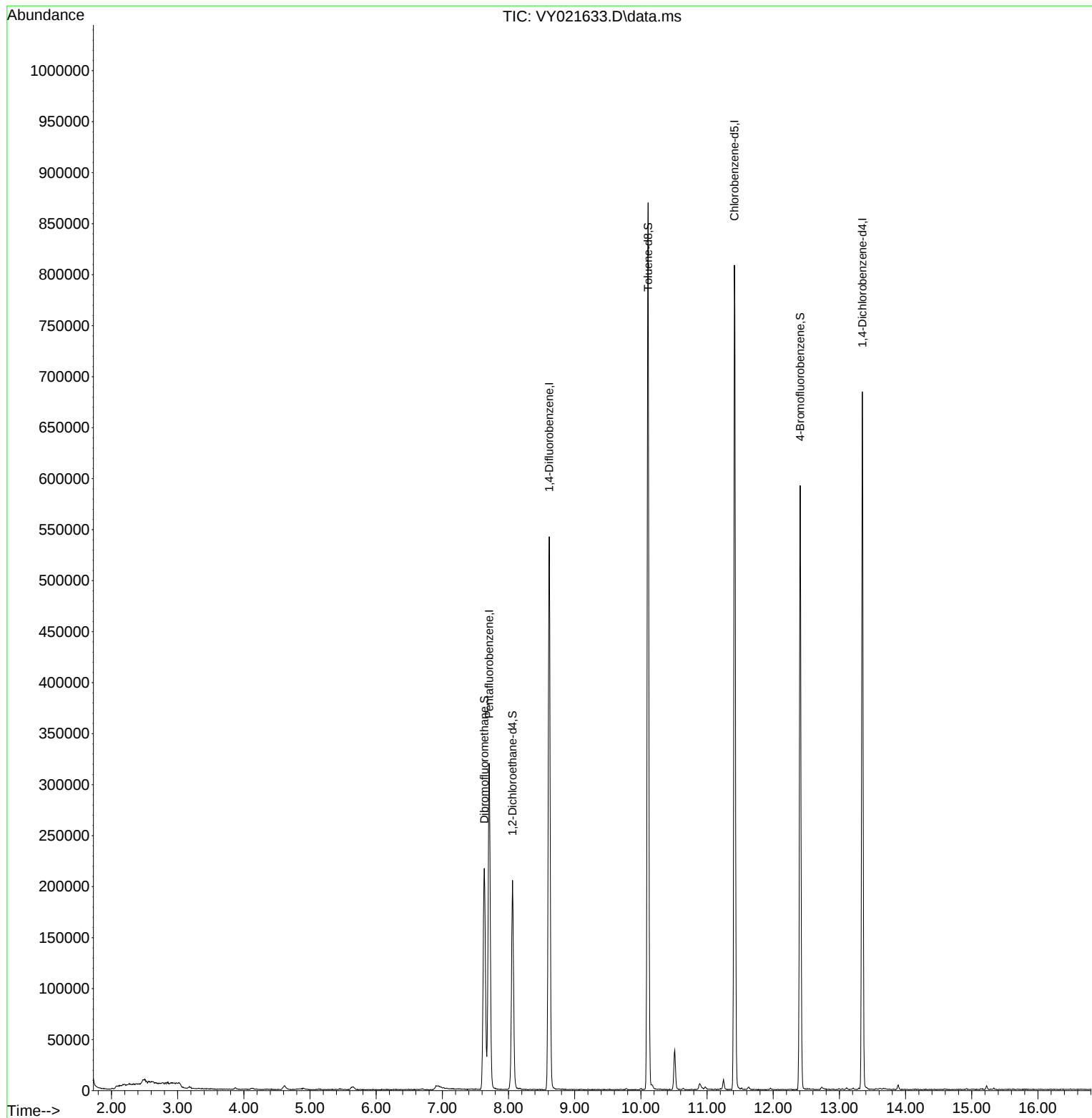
Target Compounds	Qvalue

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

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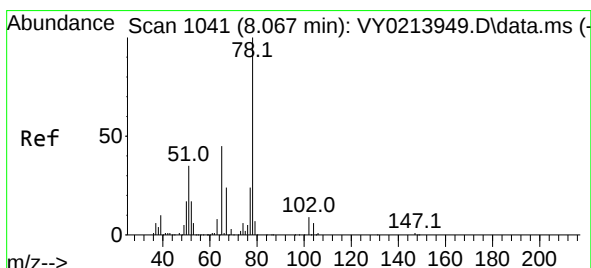
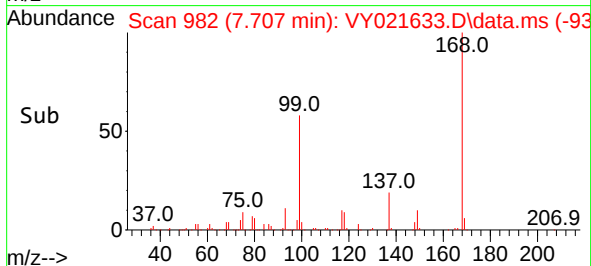
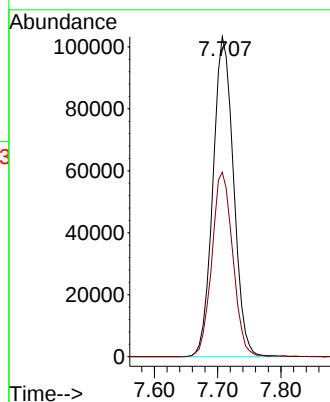
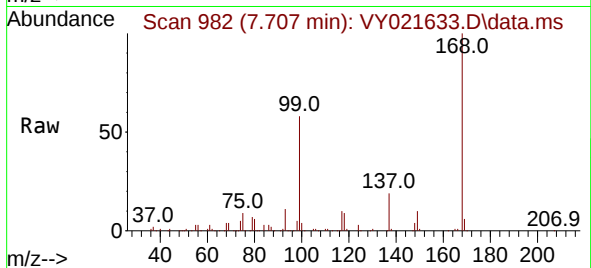




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

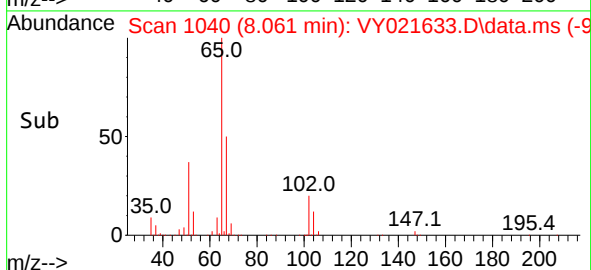
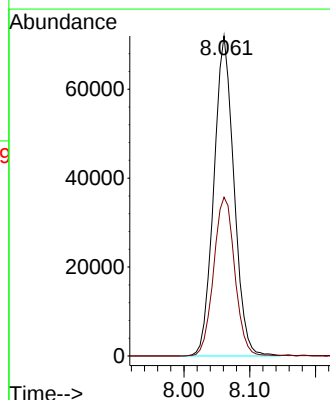
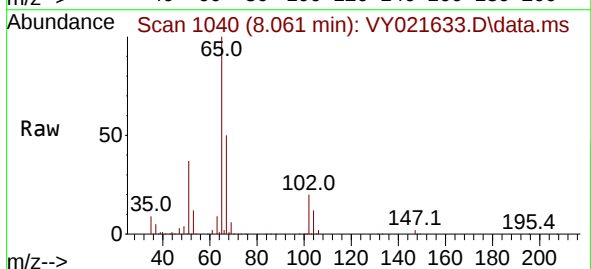
Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

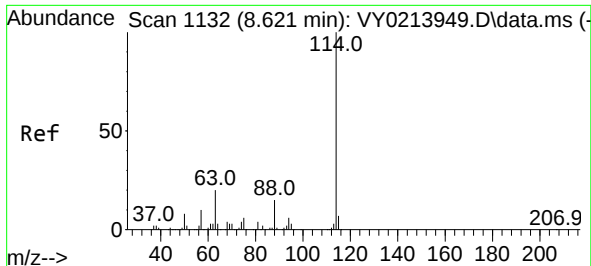
Tgt Ion:168 Resp: 233624
Ion Ratio Lower Upper
168 100
99 57.7 46.0 69.0



#33
1,2-Dichloroethane-d4
Concen: 62.129 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion: 65 Resp: 153413
Ion Ratio Lower Upper
65 100
67 52.1 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: VY021633.D

Acq: 25 Mar 2025 14:12

Instrument :

MSVOA_Y

ClientSampleId :

WC-2-VOC

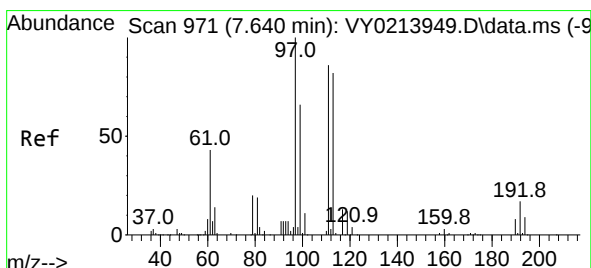
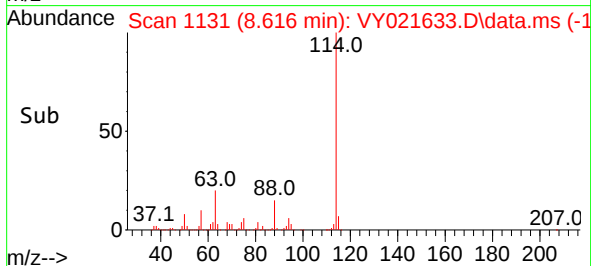
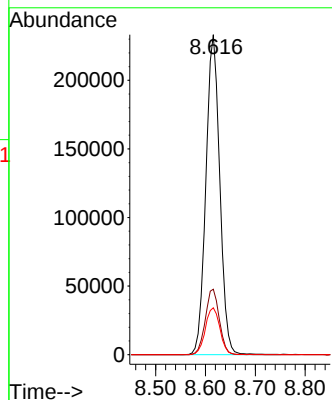
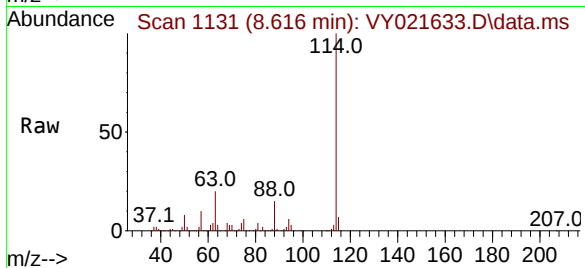
Tgt Ion:114 Resp: 450541

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 52.063 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021633.D

Acq: 25 Mar 2025 14:12

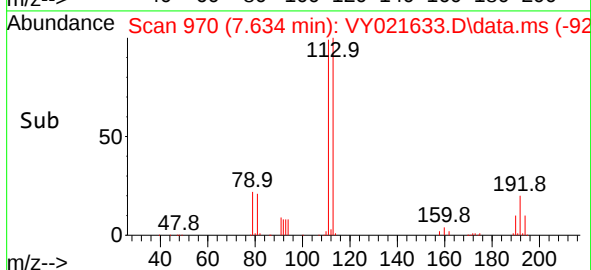
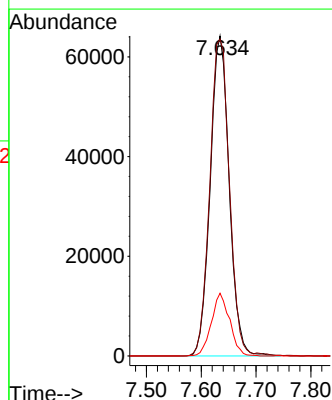
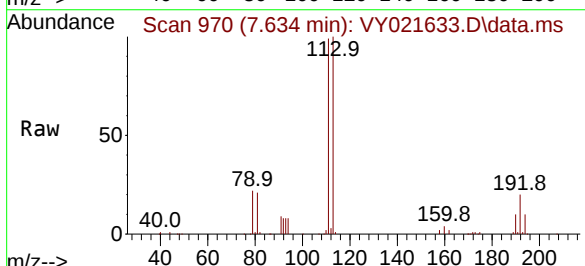
Tgt Ion:113 Resp: 154183

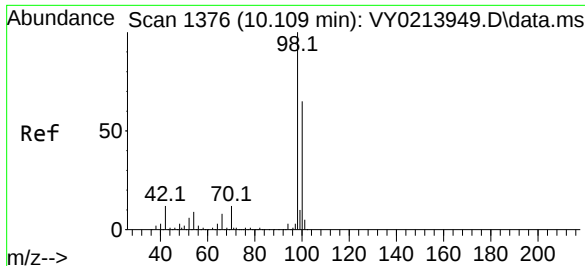
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 18.9 15.9 23.9

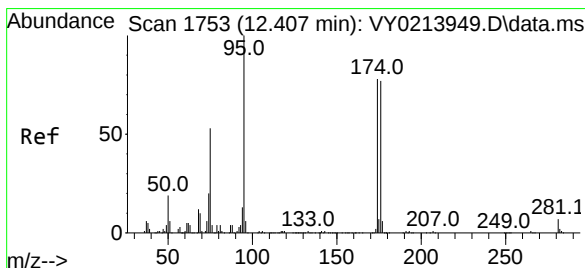
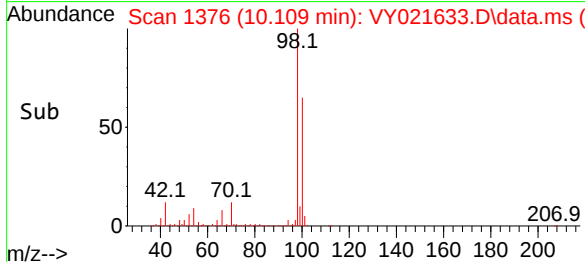
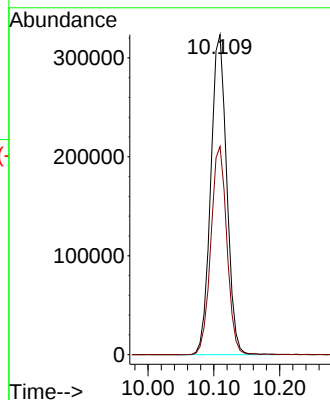
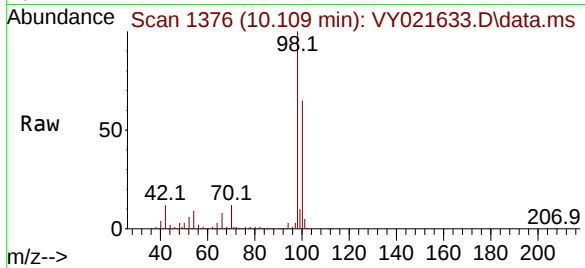




#50
Toluene-d8
Concen: 48.713 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

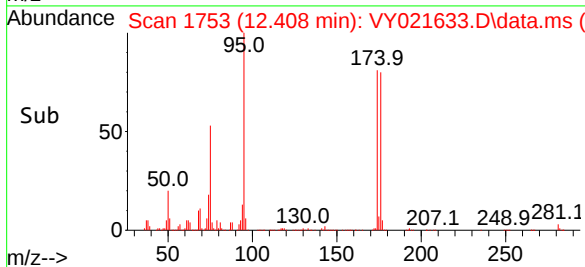
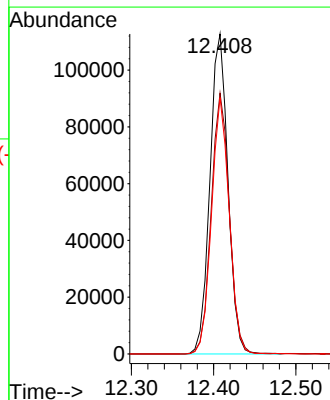
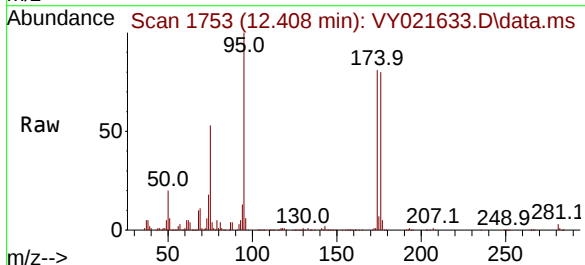
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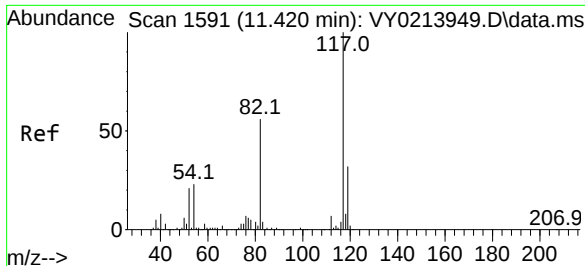
Tgt Ion: 98 Resp: 546220
Ion Ratio Lower Upper
98 100
100 65.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.018 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion: 95 Resp: 171709
Ion Ratio Lower Upper
95 100
174 82.1 0.0 165.0
176 78.6 0.0 160.0

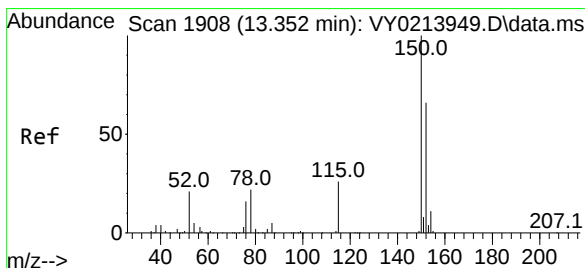
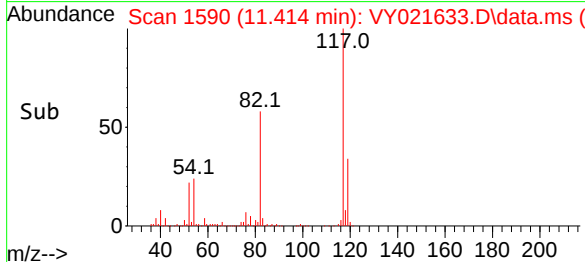
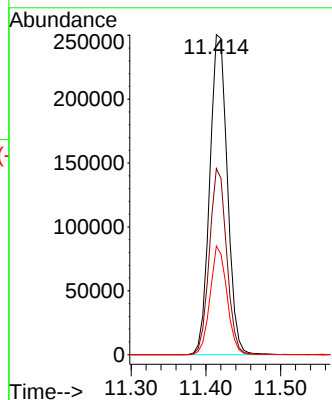
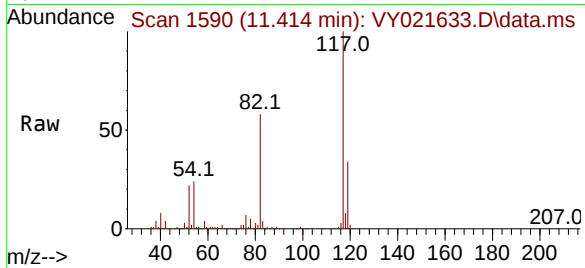




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1170
Delta R.T. -0.006 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :
WC-2-VOC

Tgt Ion:117 Resp: 410298
Ion Ratio Lower Upper
117 100
82 58.1 44.6 67.0
119 33.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021633.D
Acq: 25 Mar 2025 14:12

Tgt Ion:152 Resp: 162767
Ion Ratio Lower Upper
152 100
115 59.2 29.0 87.0
150 158.5 0.0 347.2

