

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061025\
 Data File : VY022649.D
 Acq On : 10 Jun 2025 14:42
 Operator : SY/MD
 Sample : Q2278-03
 Misc : 3.76g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2-VOC

Quant Time: Jun 11 01:52:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	229319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	428162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	334421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	112387	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122970	47.945	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.900%
35) Dibromofluoromethane	7.634	113	127793	50.005	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.000%
50) Toluene-d8	10.109	98	511700	49.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.408	95	119556	38.858	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.720%

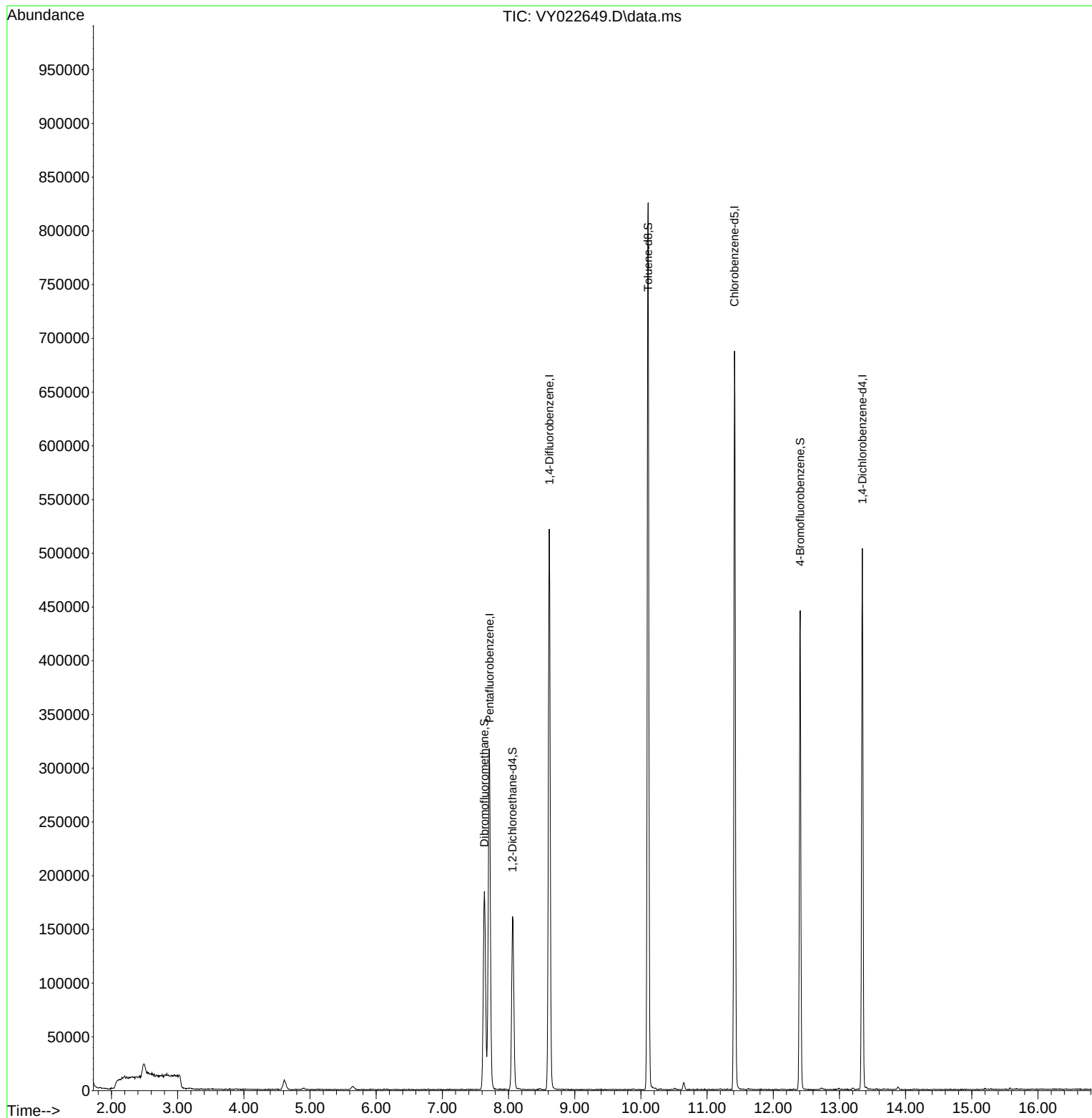
Target Compounds	Qvalue

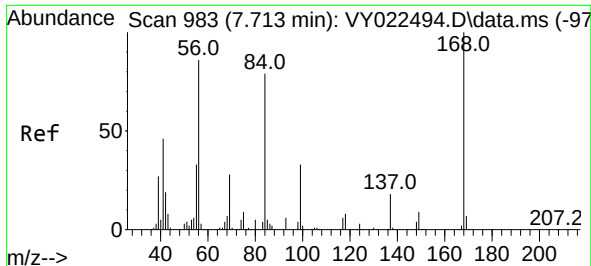
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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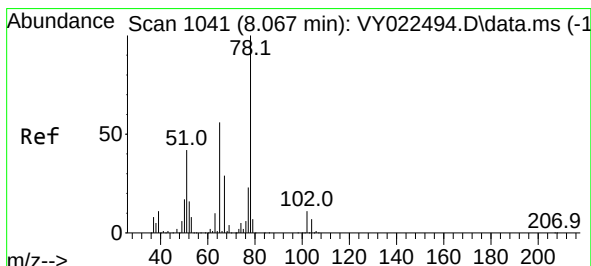
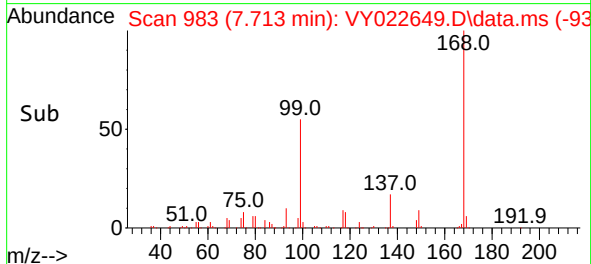
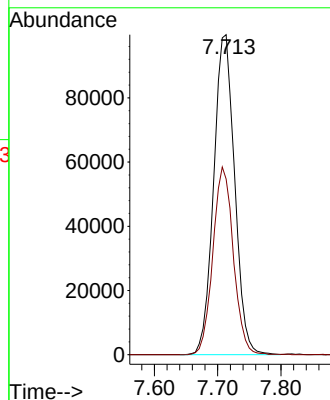
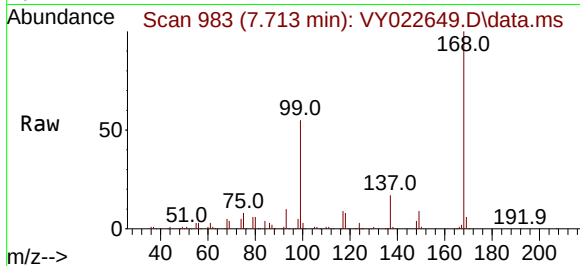




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

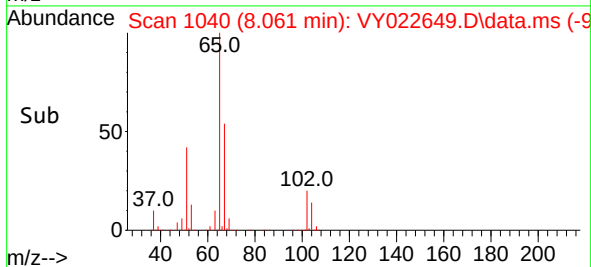
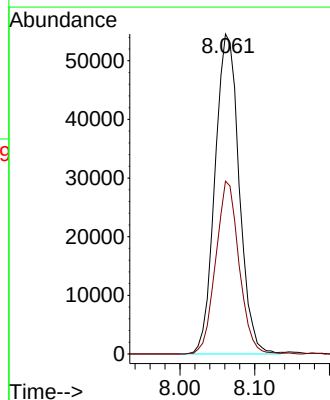
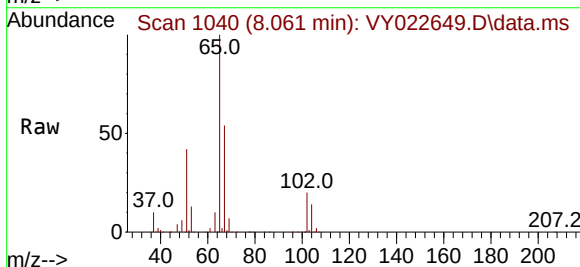
Instrument :
MSVOA_Y
ClientSampleId :
TP-2-VOC

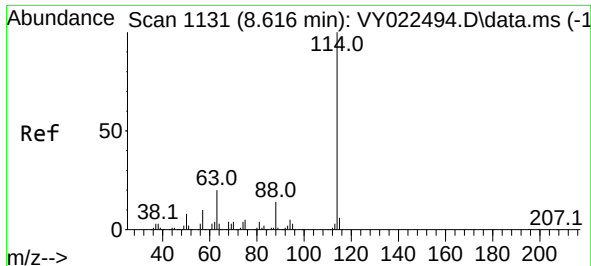
Tgt Ion:168 Resp: 229319
Ion Ratio Lower Upper
168 100
99 54.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 47.945 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

Tgt Ion: 65 Resp: 122970
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4

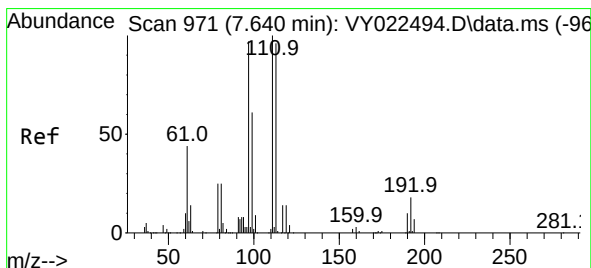
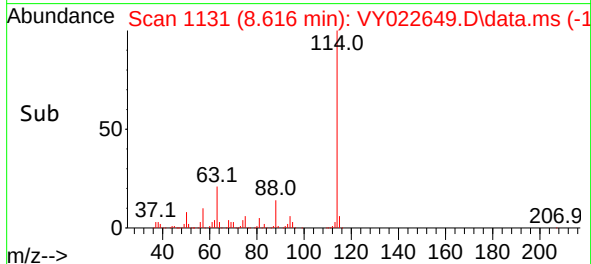
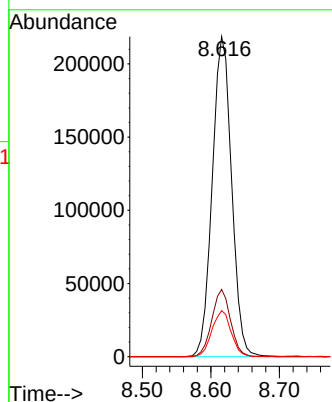
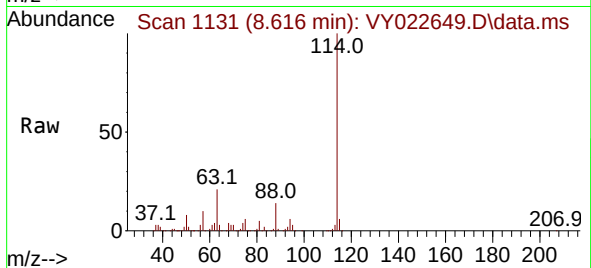




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

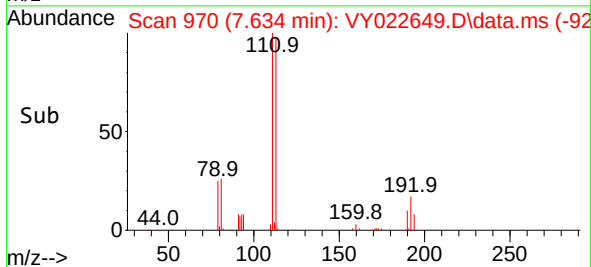
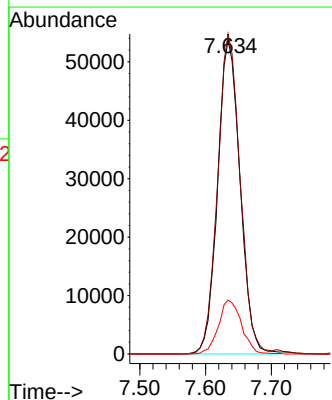
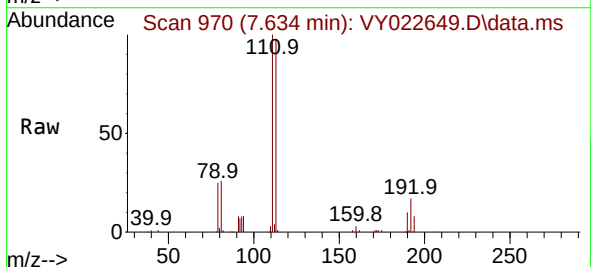
Instrument :
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ClientSampleId :
TP-2-VOC

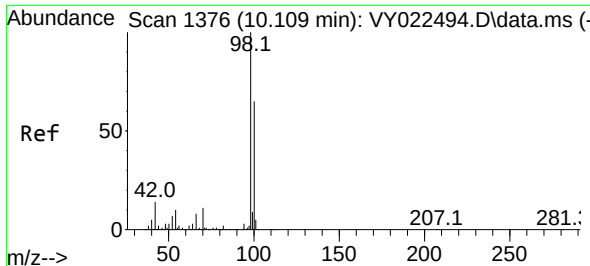
Tgt Ion:114 Resp: 428162
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.8
88 14.4 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.005 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

Tgt Ion:113 Resp: 127793
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 17.6 14.2 21.2

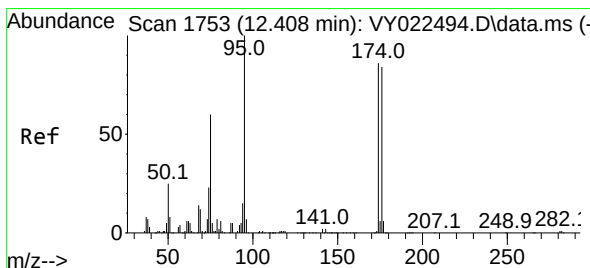
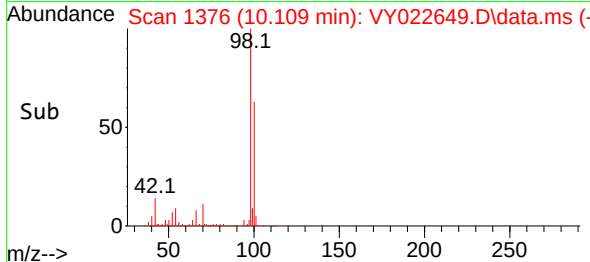
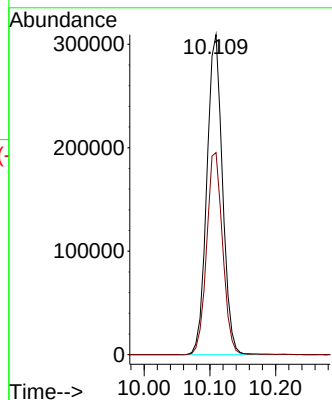
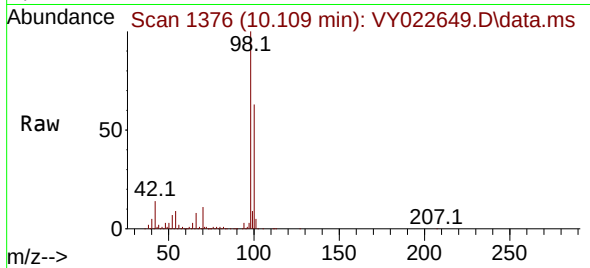




#50
Toluene-d8
Concen: 49.553 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

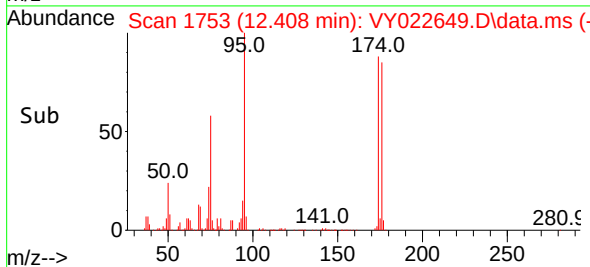
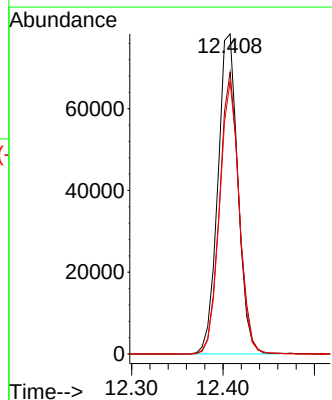
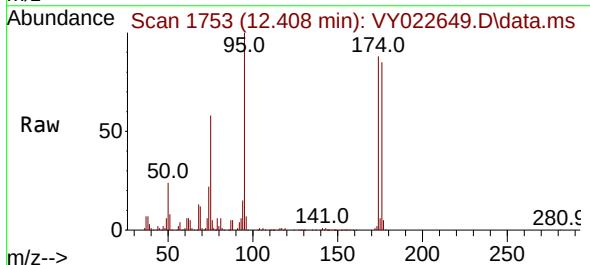
Instrument :
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TP-2-VOC

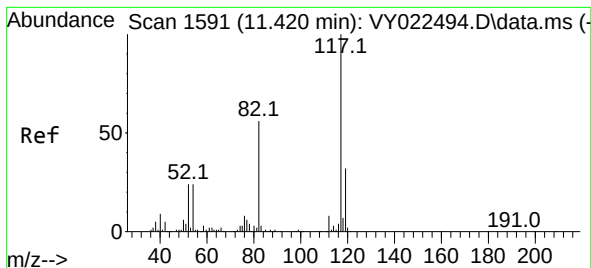
Tgt Ion: 98 Resp: 511700
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 38.858 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022649.D
Acq: 10 Jun 2025 14:42

Tgt Ion: 95 Resp: 119556
Ion Ratio Lower Upper
95 100
174 85.4 0.0 170.0
176 82.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022649.D

Acq: 10 Jun 2025 14:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-2-VOC

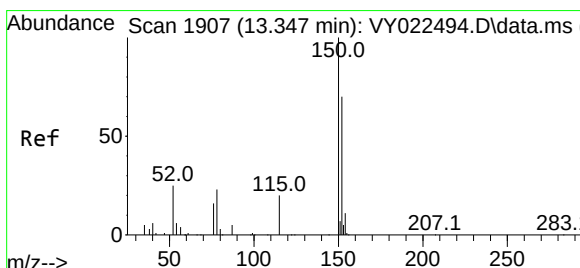
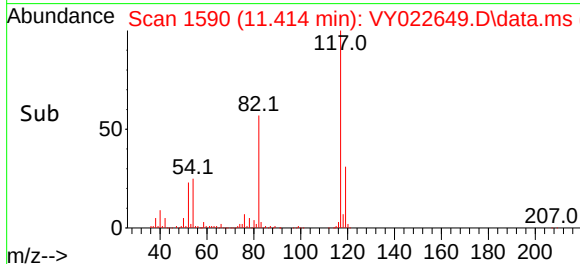
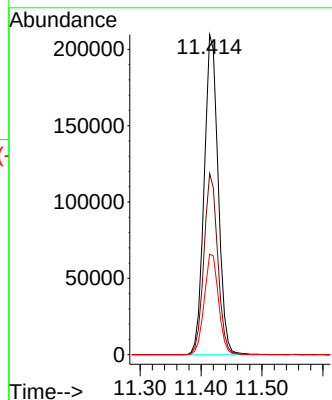
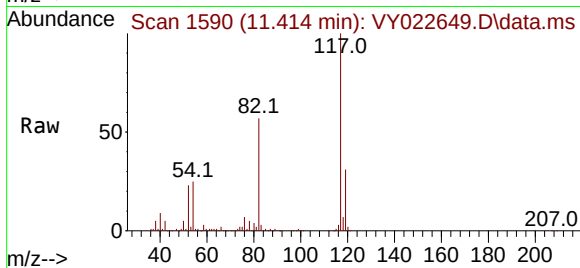
Tgt Ion:117 Resp: 334421

Ion Ratio Lower Upper

117 100

82 56.6 44.6 66.8

119 31.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022649.D

Acq: 10 Jun 2025 14:42

Tgt Ion:152 Resp: 112387

Ion Ratio Lower Upper

152 100

115 59.2 28.9 86.7

150 157.3 0.0 349.6

