

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022573.D
 Acq On : 05 Jun 2025 14:44
 Operator : SY/MD
 Sample : Q2208-11
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-703-VOC-07

Quant Time: Jun 06 01:25:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	416711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	771777	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	242844	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	253891	54.475	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.960%
35) Dibromofluoromethane	7.628	113	237472	51.551	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.100%
50) Toluene-d8	10.103	98	945265	50.784	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.560%
62) 4-Bromofluorobenzene	12.402	95	247265	44.585	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.180%

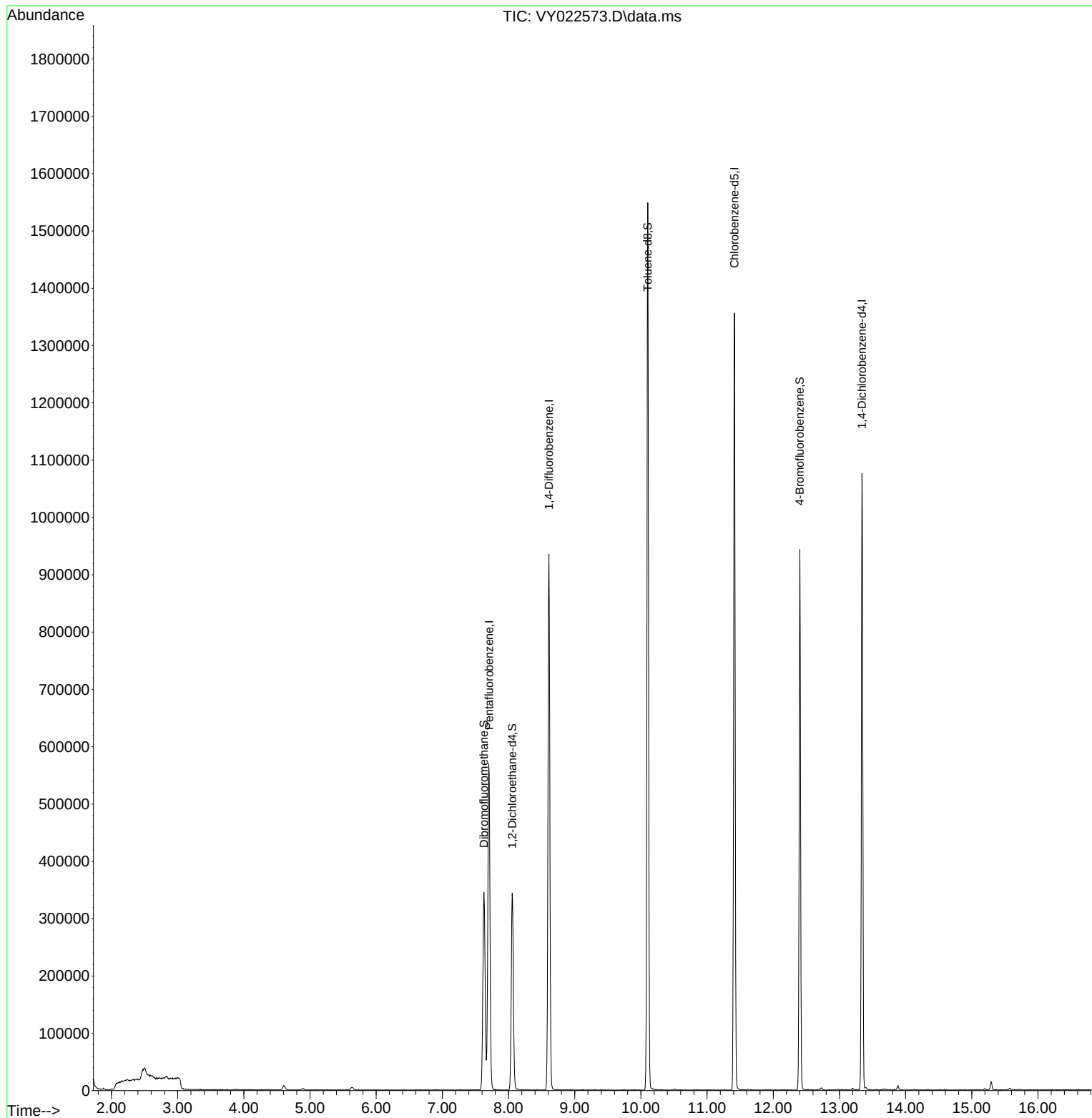
Target Compounds	Qvalue

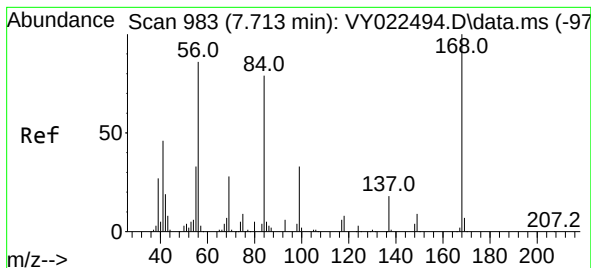
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022573.D

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MSVOA_Y

ClientSampleId :

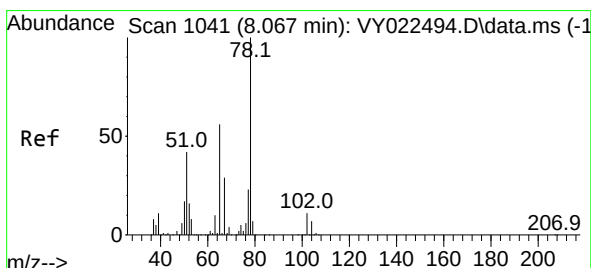
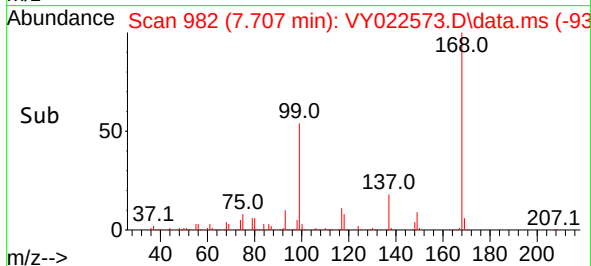
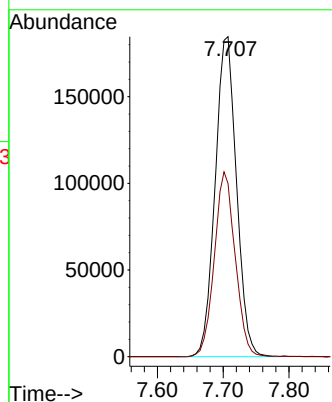
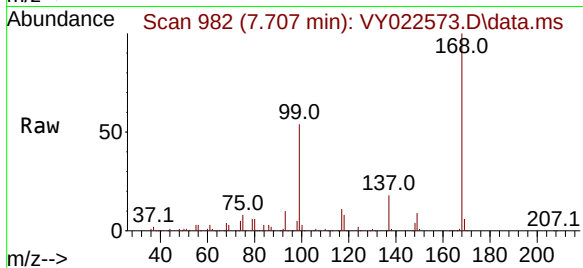
BU-703-VOC-07

Tgt Ion:168 Resp: 416711

Ion Ratio Lower Upper

168 100

99 54.1 44.3 66.5



#33

1,2-Dichloroethane-d4

Concen: 54.475 ug/l

RT: 8.055 min Scan# 1039

Delta R.T. -0.012 min

Lab File: VY022573.D

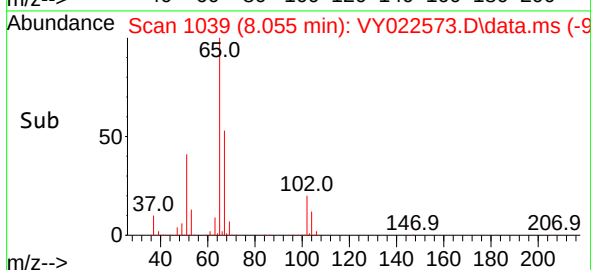
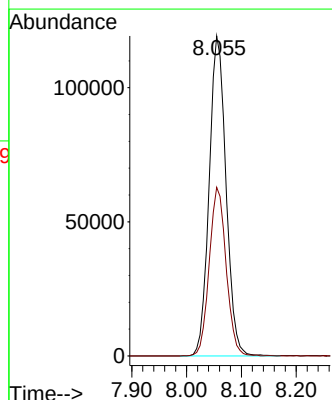
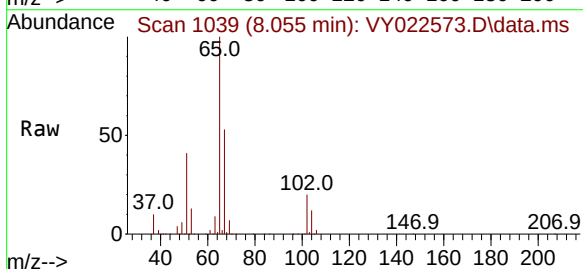
Acq: 05 Jun 2025 14:44

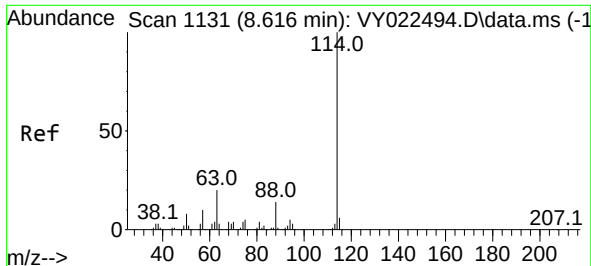
Tgt Ion: 65 Resp: 253891

Ion Ratio Lower Upper

65 100

67 52.8 0.0 103.4

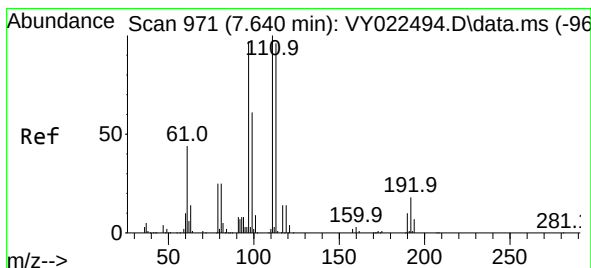
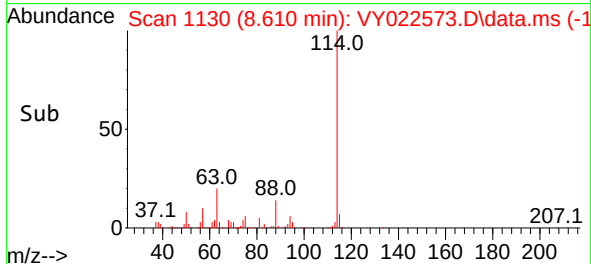
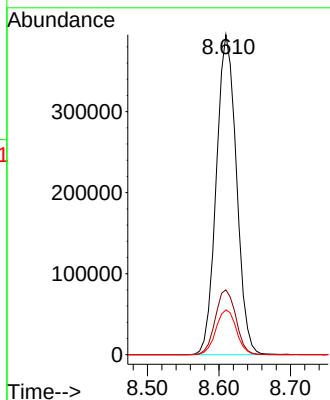
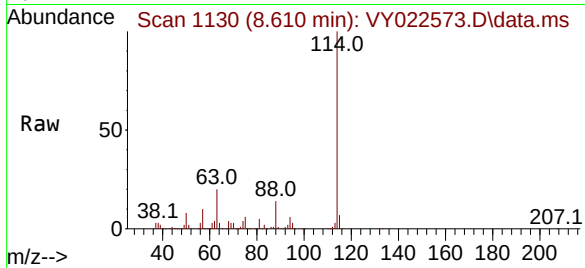




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

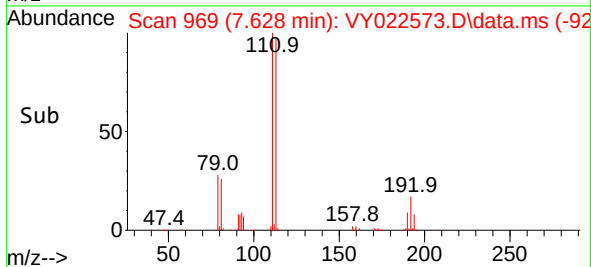
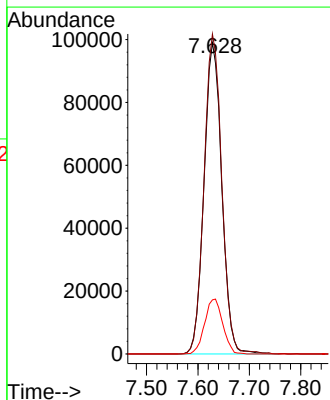
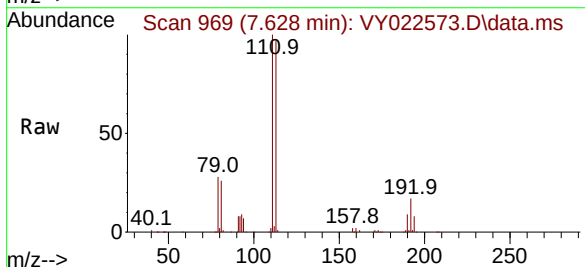
Instrument :
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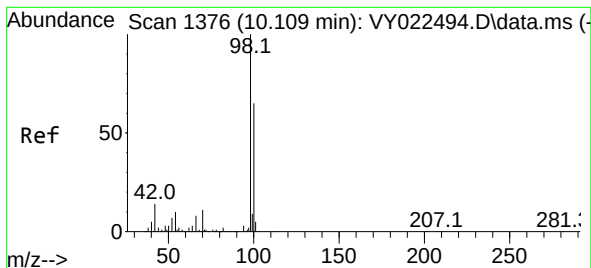
Tgt Ion:114 Resp: 771777
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 14.0 0.0 27.8



#35
Dibromofluoromethane
Concen: 51.551 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

Tgt Ion:113 Resp: 237472
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.0 14.2 21.2

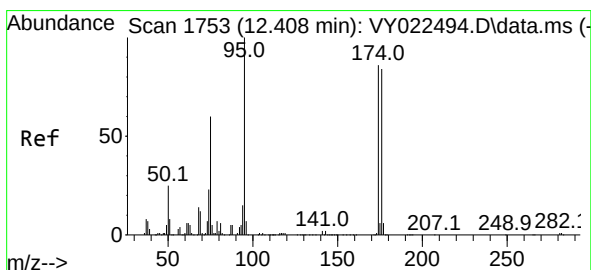
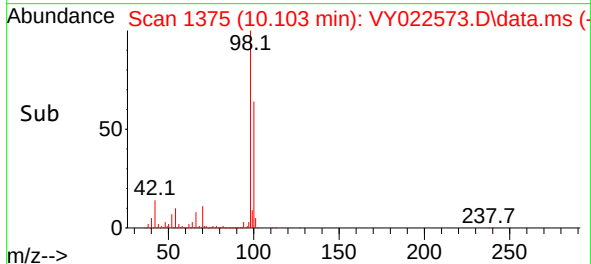
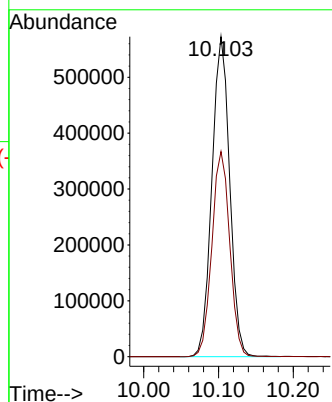
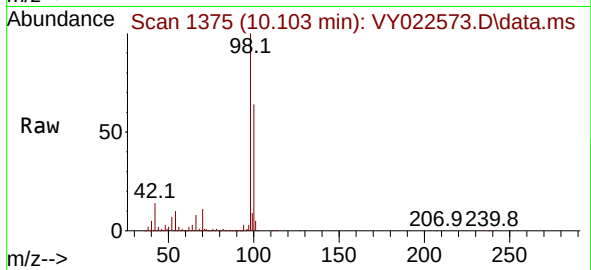




#50
Toluene-d8
Concen: 50.784 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

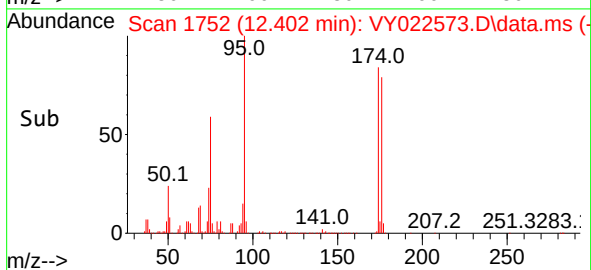
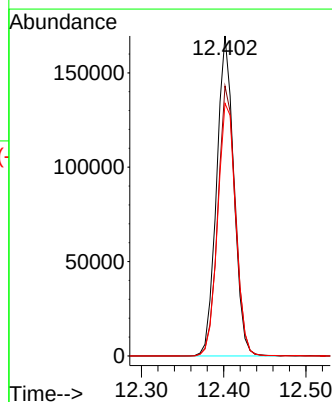
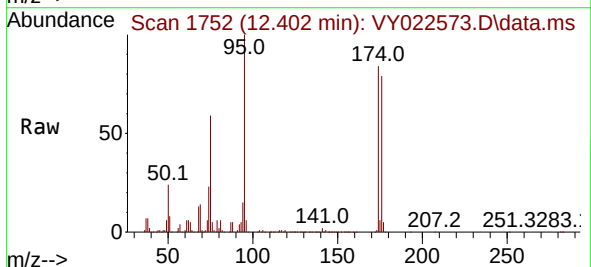
Instrument :
MSVOA_Y
ClientSampleId :
BU-703-VOC-07

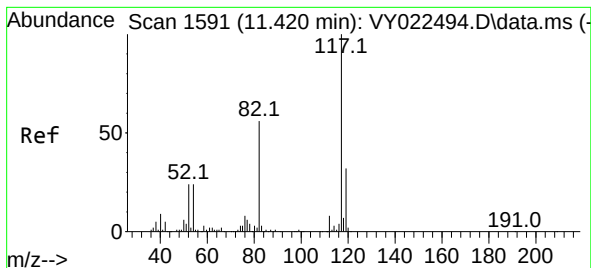
Tgt Ion: 98 Resp: 945265
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.585 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022573.D
Acq: 05 Jun 2025 14:44

Tgt Ion: 95 Resp: 247265
Ion Ratio Lower Upper
95 100
174 86.0 0.0 170.0
176 82.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022573.D

Acq: 05 Jun 2025 14:44

Instrument :

MSVOA_Y

ClientSampleId :

BU-703-VOC-07

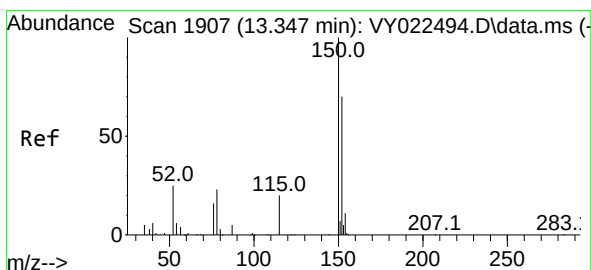
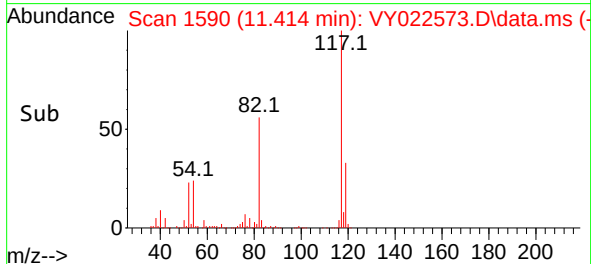
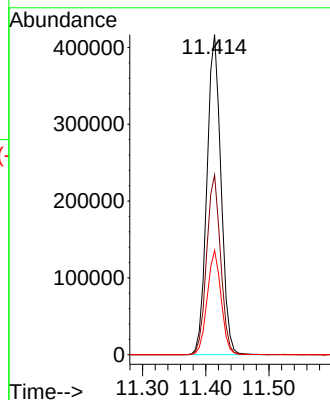
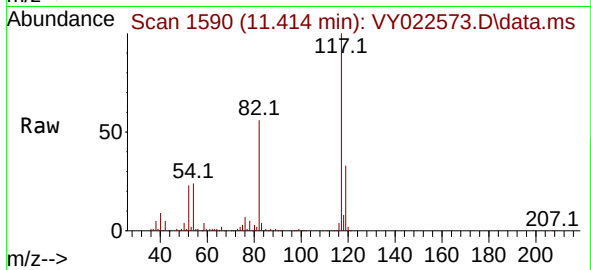
Tgt Ion:117 Resp: 644858

Ion Ratio Lower Upper

117 100

82 56.2 44.6 66.8

119 32.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022573.D

Acq: 05 Jun 2025 14:44

Tgt Ion:152 Resp: 242844

Ion Ratio Lower Upper

152 100

115 57.5 28.9 86.7

150 158.4 0.0 349.6

