

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023375.D
 Acq On : 25 Sep 2025 15:43
 Operator : SY/MD
 Sample : Q3208-02
 Misc : 4.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-ESM-VOC-01

Quant Time: Sep 26 04:25:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	617081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1170828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1124064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	473969	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	332071	61.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.480%
35) Dibromofluoromethane	7.634	113	392507	54.843	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.680%
50) Toluene-d8	10.109	98	1377592	50.975	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.960%
62) 4-Bromofluorobenzene	12.401	95	443545	52.153	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	104.300%

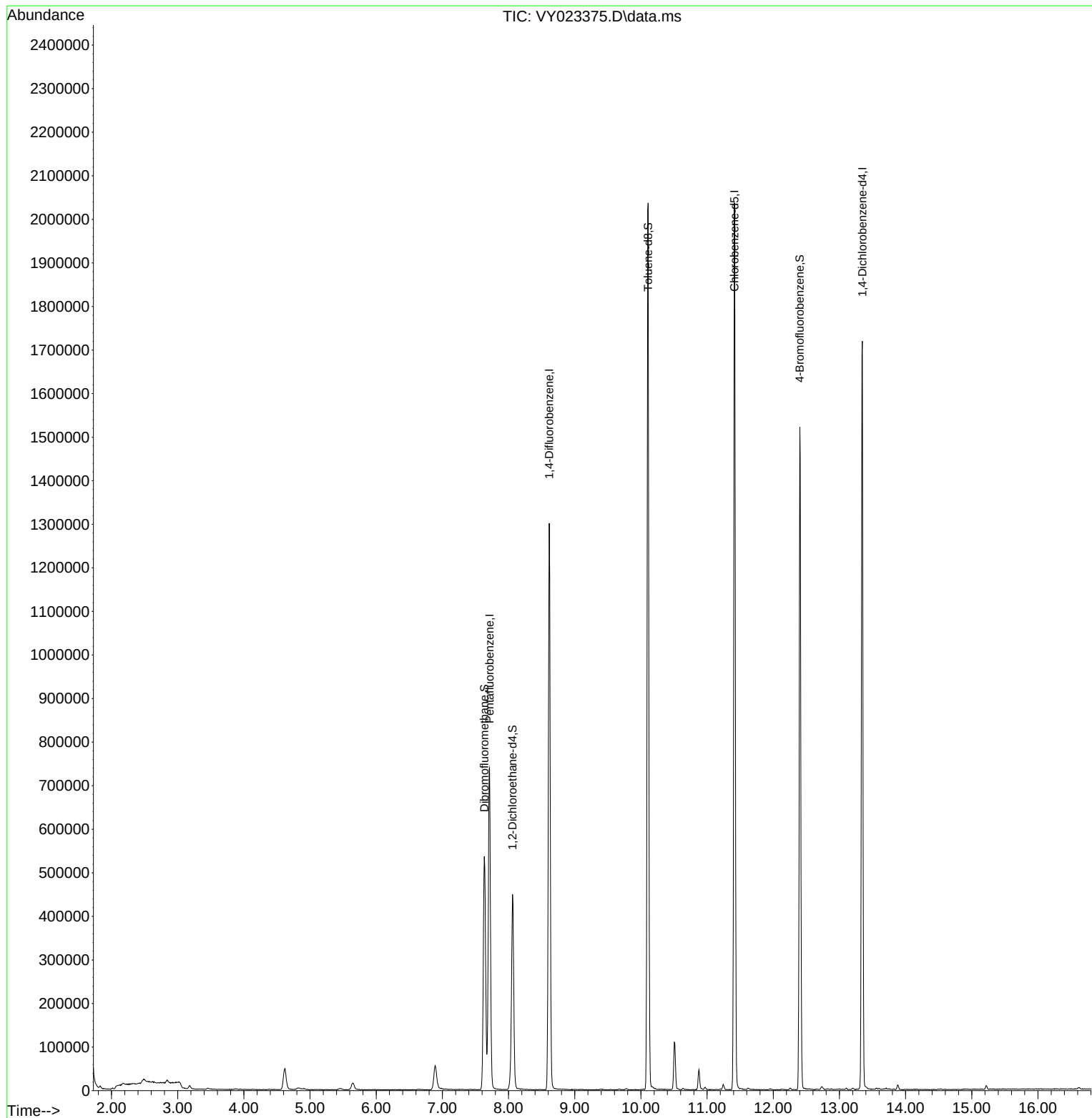
Target Compounds	Qvalue

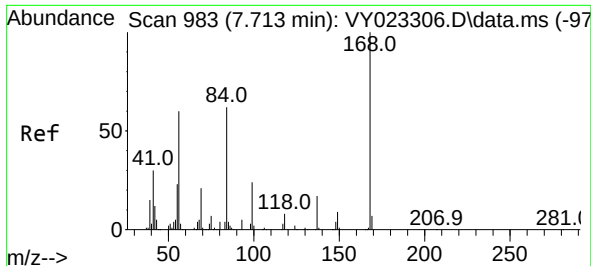
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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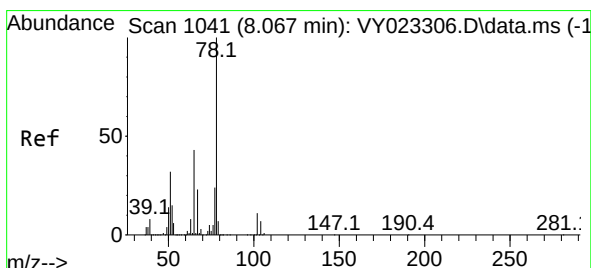
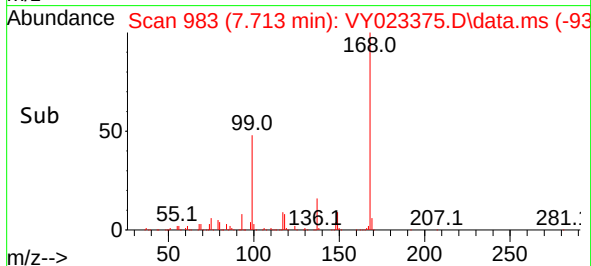
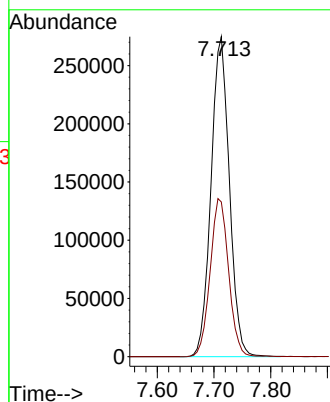
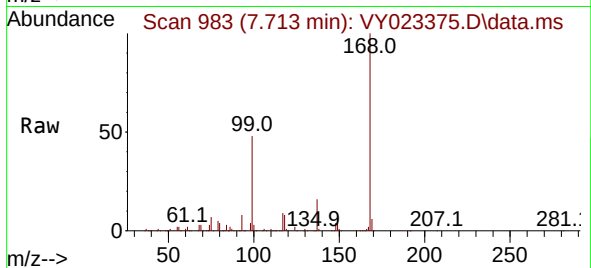




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

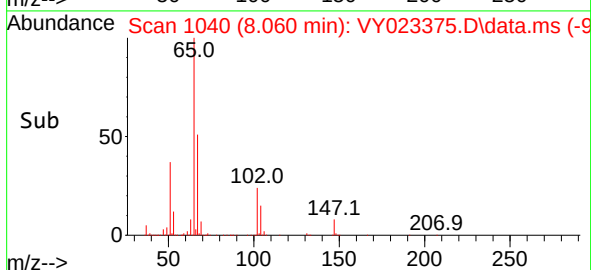
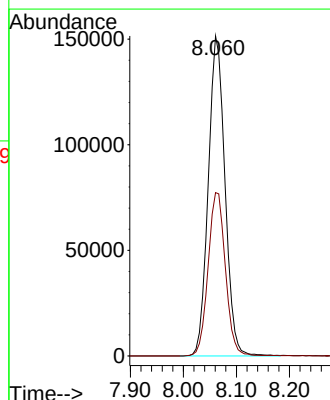
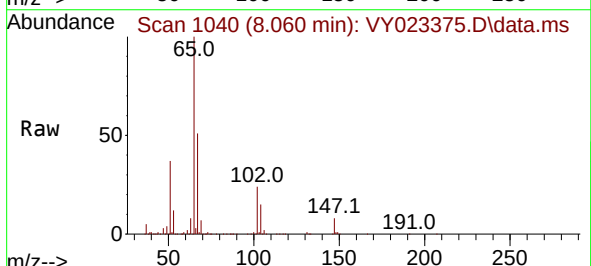
Instrument :
MSVOA_Y
ClientSampleId :
SU-ESM-VOC-01

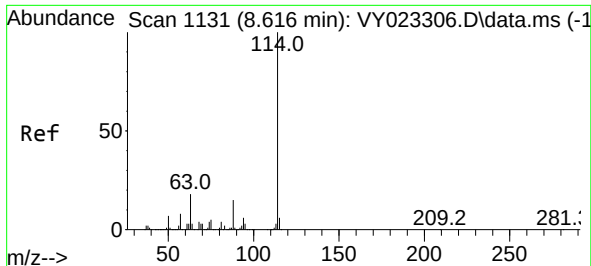
Tgt Ion:168 Resp: 617081
Ion Ratio Lower Upper
168 100
99 48.3 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 61.241 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Tgt Ion: 65 Resp: 332071
Ion Ratio Lower Upper
65 100
67 52.8 0.0 106.8

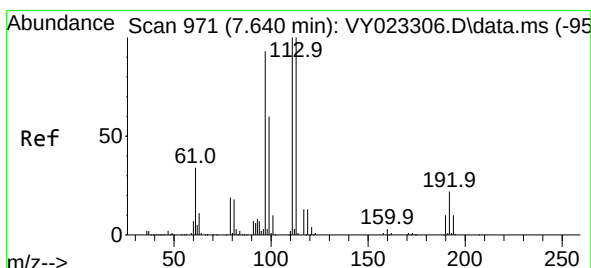
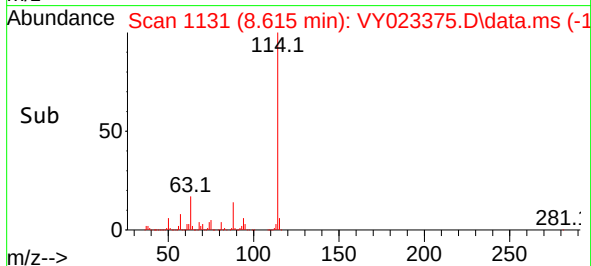
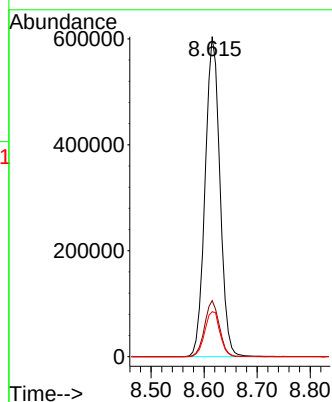
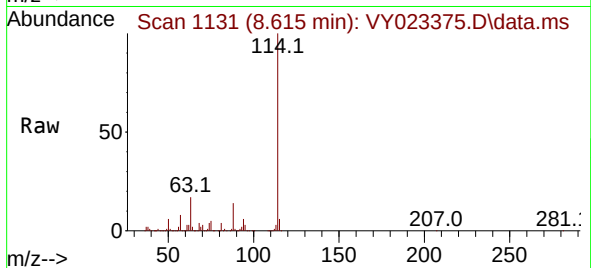




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

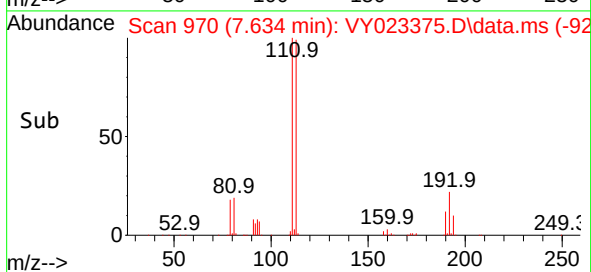
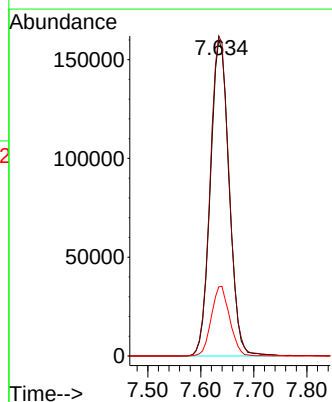
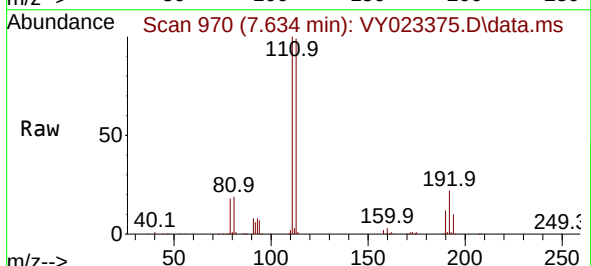
Instrument :
MSVOA_Y
ClientSampleId :
SU-ESM-VOC-01

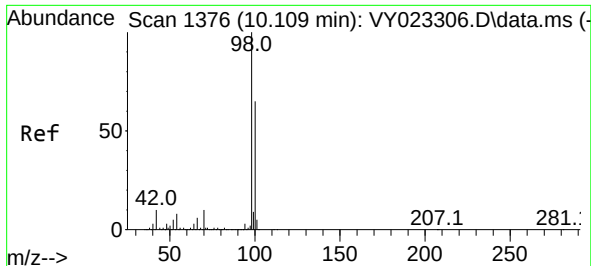
Tgt Ion:114 Resp: 1170828
Ion Ratio Lower Upper
114 100
63 17.5 0.0 38.4
88 14.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.843 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Tgt Ion:113 Resp: 392507
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 21.5 16.2 24.4

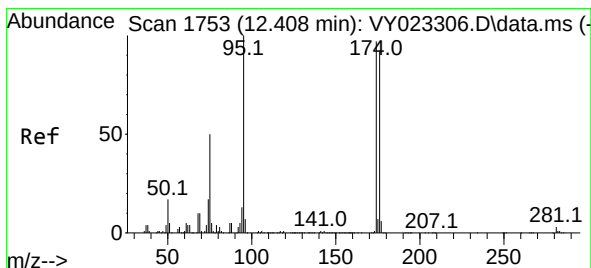
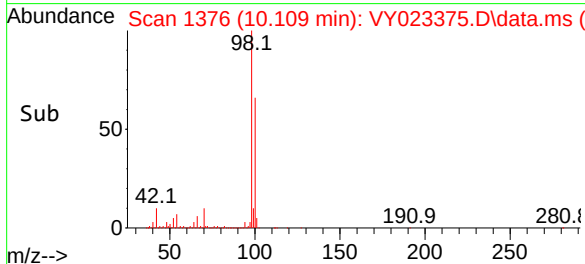
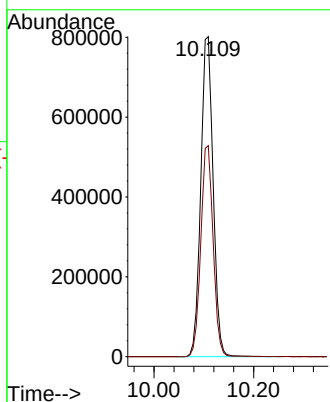
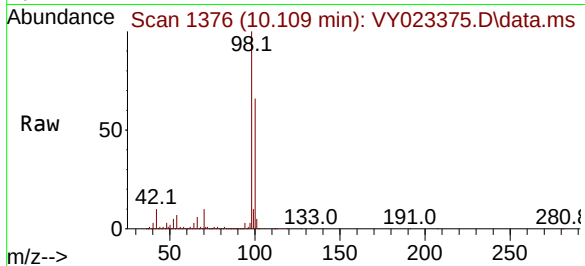




#50
Toluene-d8
Concen: 50.975 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

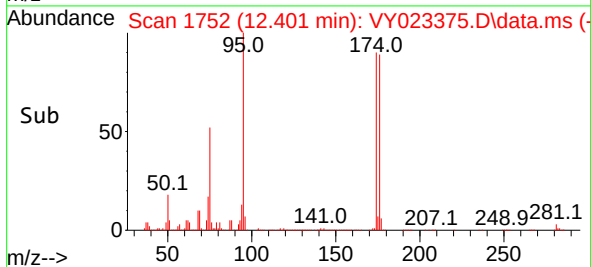
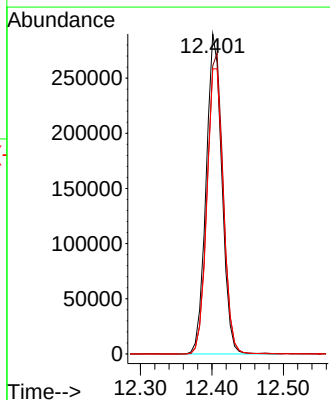
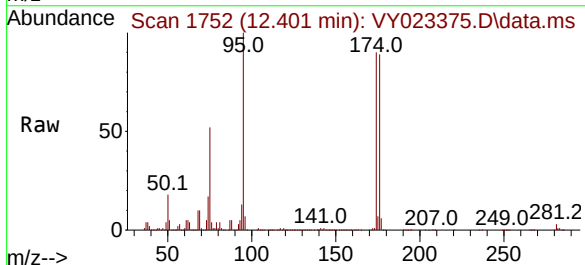
Instrument :
MSVOA_Y
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SU-ESM-VOC-01

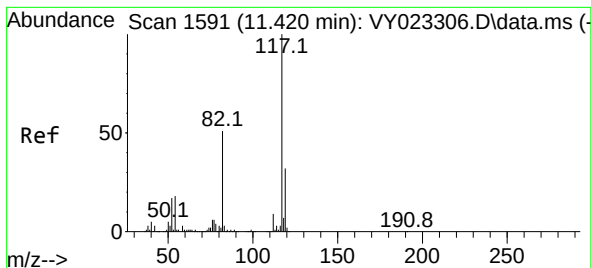
Tgt Ion: 98 Resp: 1377592
Ion Ratio Lower Upper
98 100
100 65.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 52.153 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023375.D
Acq: 25 Sep 2025 15:43

Tgt Ion: 95 Resp: 443545
Ion Ratio Lower Upper
95 100
174 95.7 0.0 171.6
176 93.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023375.D

Acq: 25 Sep 2025 15:43

Instrument :

MSVOA_Y

ClientSampleId :

SU-ESM-VOC-01

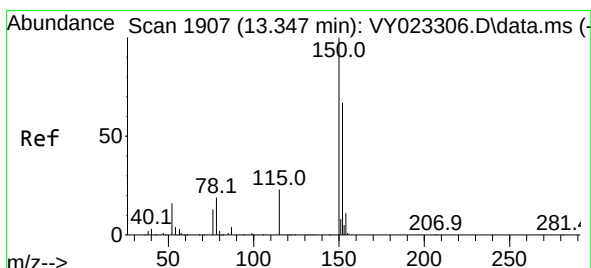
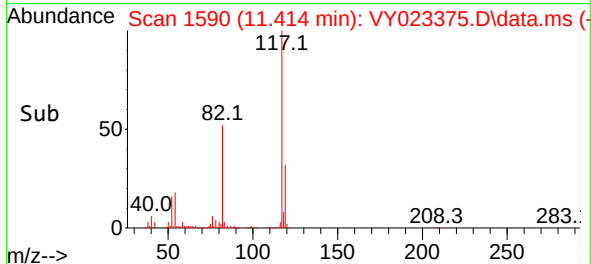
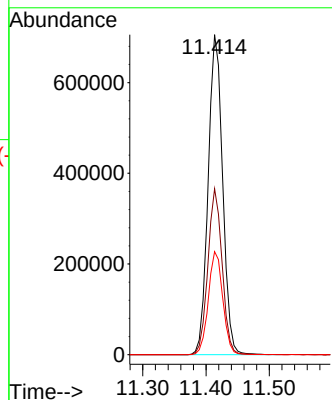
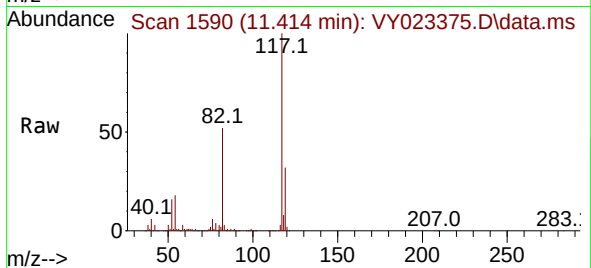
Tgt Ion:117 Resp: 1124064

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023375.D

Acq: 25 Sep 2025 15:43

Tgt Ion:152 Resp: 473969

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.6

150 157.1 0.0 348.0

