

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041425\
 Data File : VY021869.D
 Acq On : 14 Apr 2025 15:03
 Operator : SY/MD
 Sample : Q1768-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CRUSHED STONE

Quant Time: Apr 14 23:31:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	273892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	490223	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	394299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	131817	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	143502	48.357	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.720%
35) Dibromofluoromethane	7.634	113	160918	50.603	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.200%
50) Toluene-d8	10.109	98	565092	46.711	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.420%
62) 4-Bromofluorobenzene	12.407	95	148783	36.359	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.720%

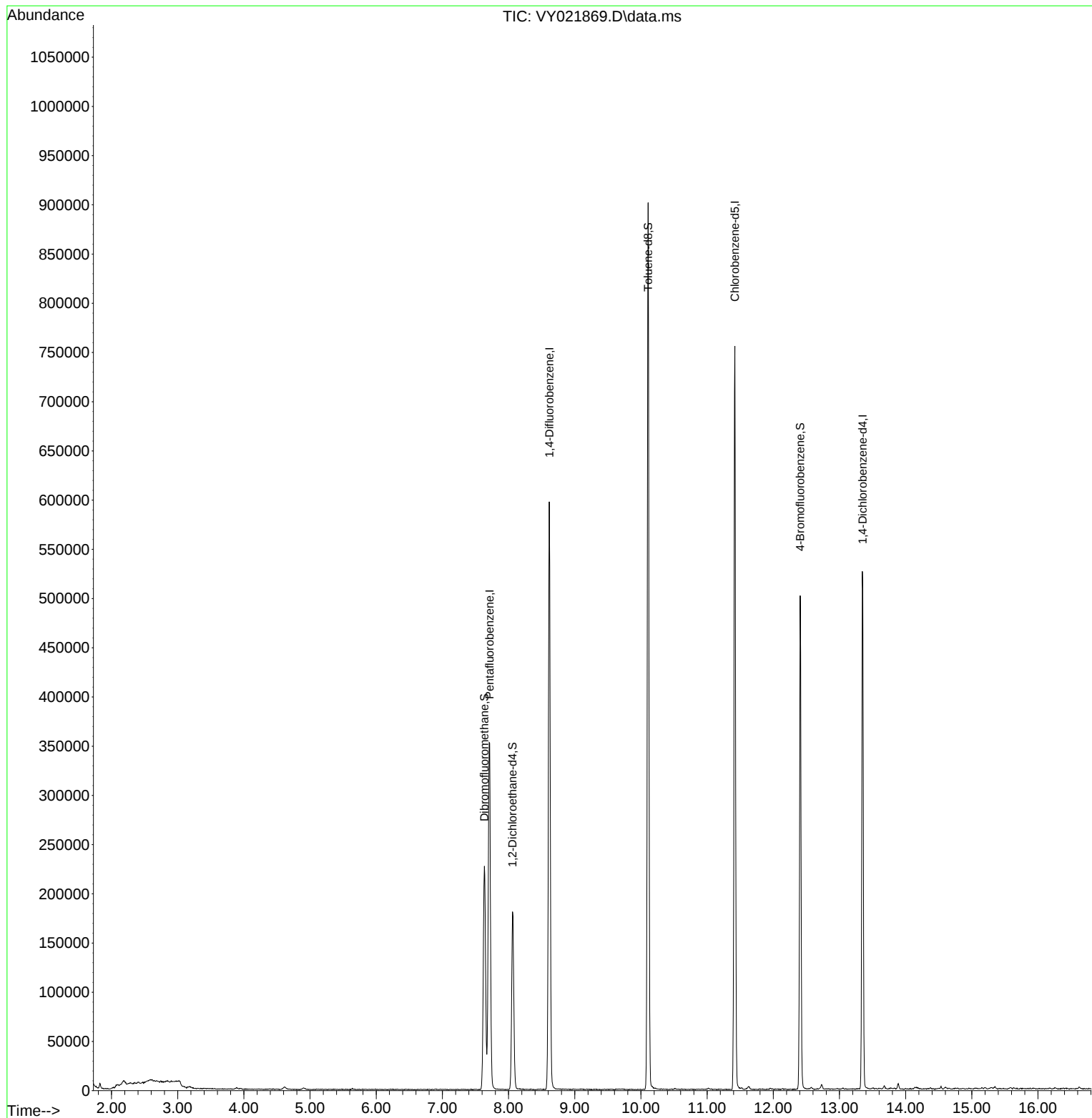
Target Compounds	Qvalue

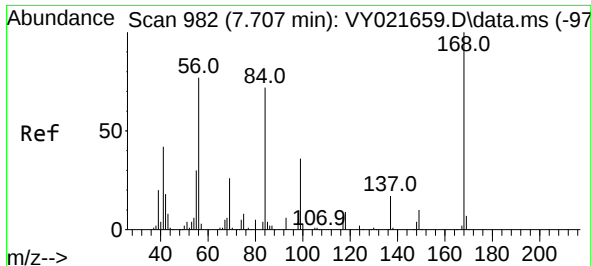
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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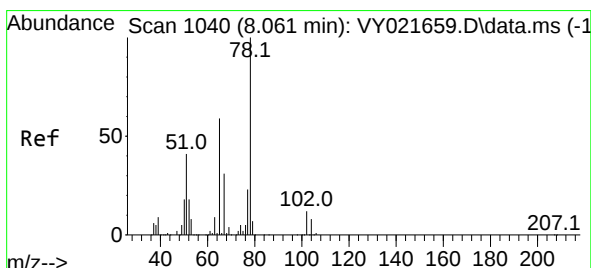
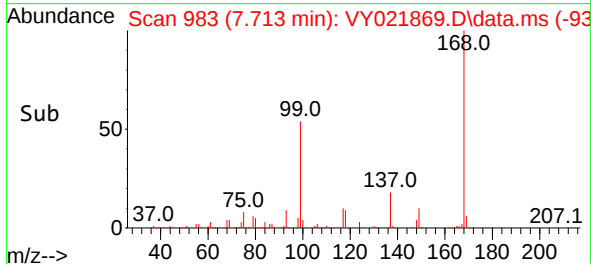
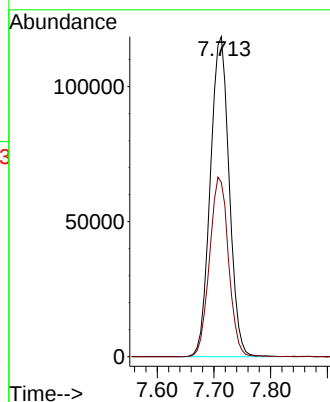
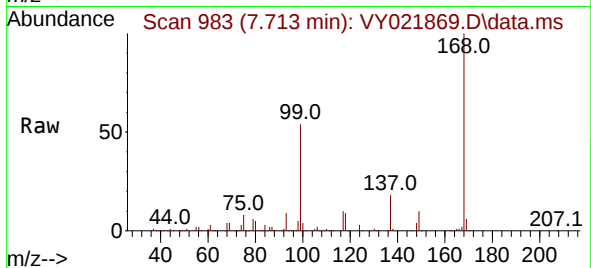




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021869.D
Acq: 14 Apr 2025 15:03

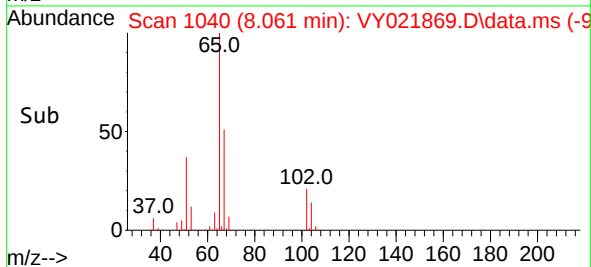
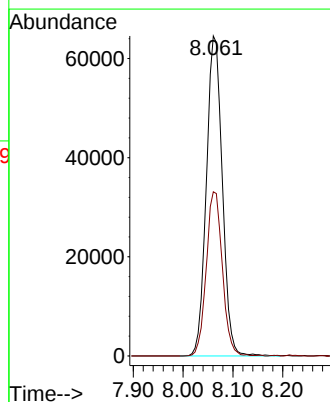
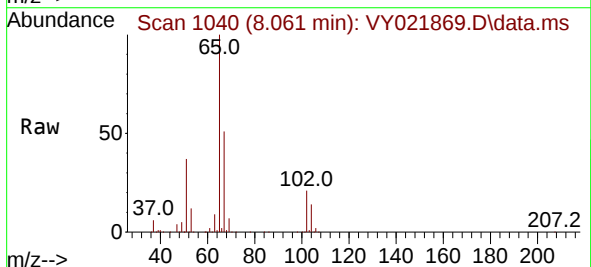
Instrument :
MSVOA_Y
ClientSampleId :
CRUSHED STONE

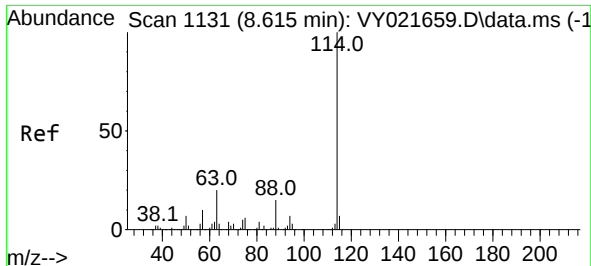
Tgt Ion:168 Resp: 273892
Ion Ratio Lower Upper
168 100
99 54.4 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 48.357 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021869.D
Acq: 14 Apr 2025 15:03

Tgt Ion: 65 Resp: 143502
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6

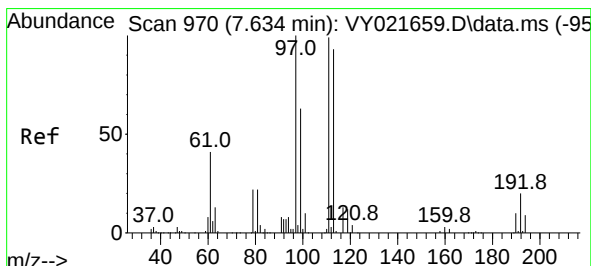
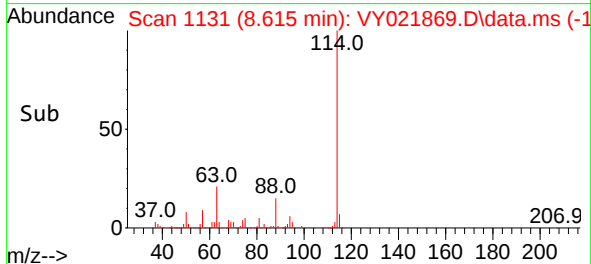
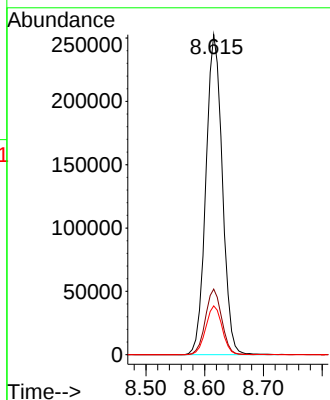
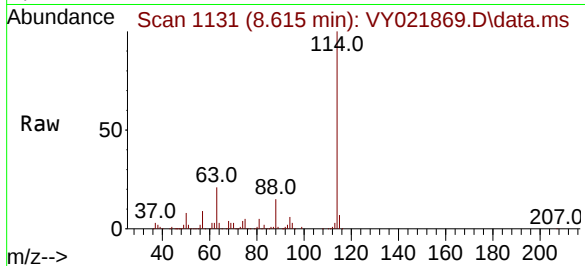




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021869.D
Acq: 14 Apr 2025 15:03

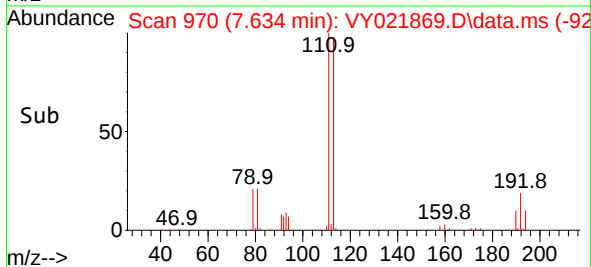
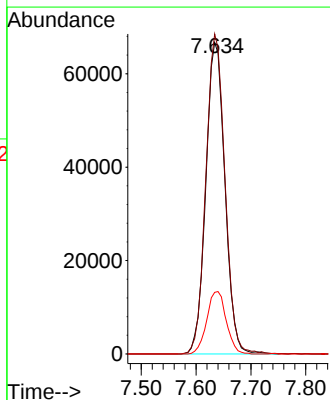
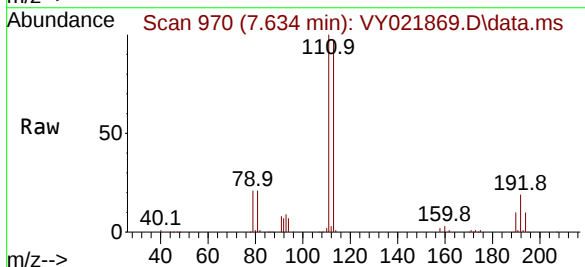
Instrument :
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ClientSampleId :
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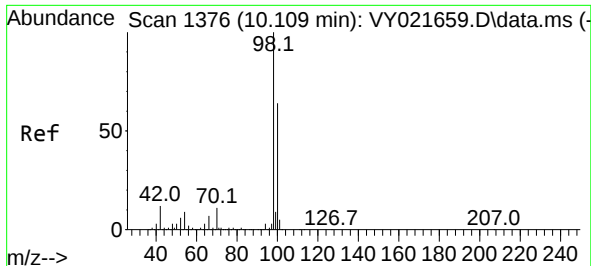
Tgt Ion:114 Resp: 490223
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.2
88 15.2 0.0 29.8



#35
Dibromofluoromethane
Concen: 50.603 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021869.D
Acq: 14 Apr 2025 15:03

Tgt Ion:113 Resp: 160918
Ion Ratio Lower Upper
113 100
111 102.7 82.6 123.8
192 20.4 16.2 24.4

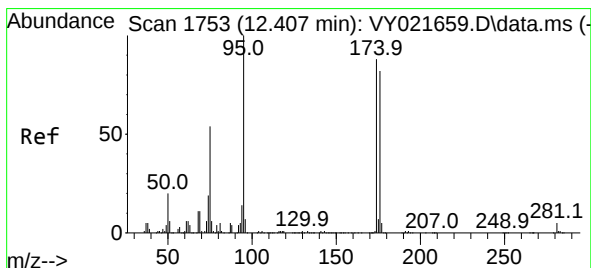
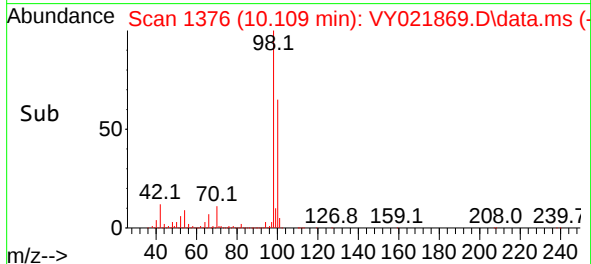
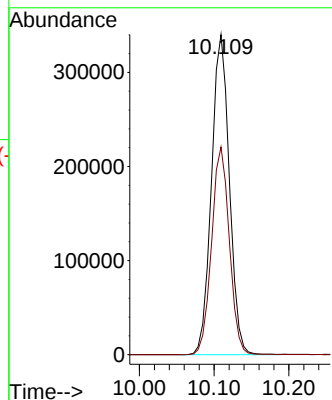
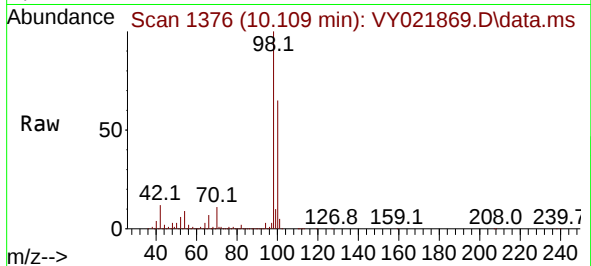




#50
Toluene-d8
Concen: 46.711 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021869.D
Acq: 14 Apr 2025 15:03

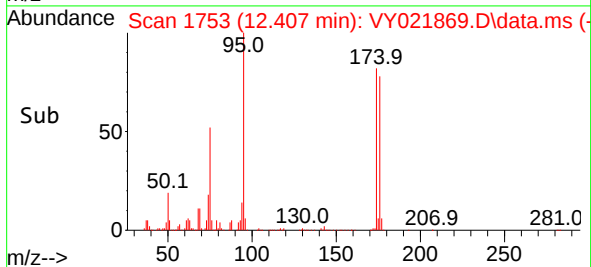
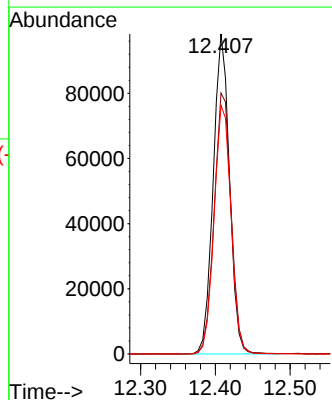
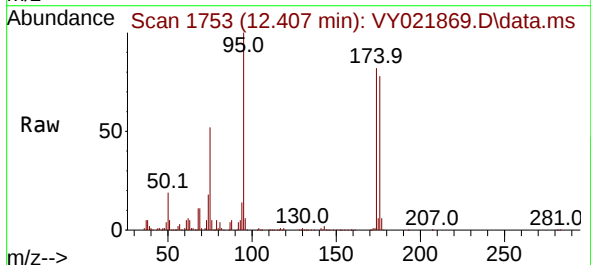
Instrument :
MSVOA_Y
ClientSampleId :
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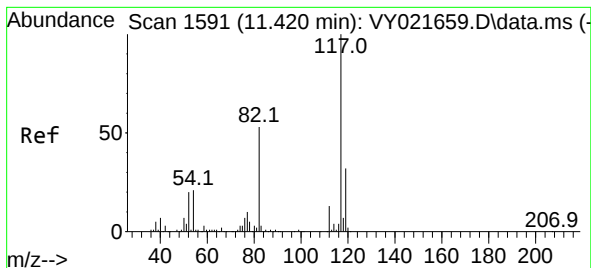
Tgt Ion: 98 Resp: 565092
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 36.359 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021869.D
Acq: 14 Apr 2025 15:03

Tgt Ion: 95 Resp: 148783
Ion Ratio Lower Upper
95 100
174 85.1 0.0 170.8
176 80.7 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021869.D

Acq: 14 Apr 2025 15:03

Instrument :

MSVOA_Y

ClientSampleId :

CRUSHED STONE

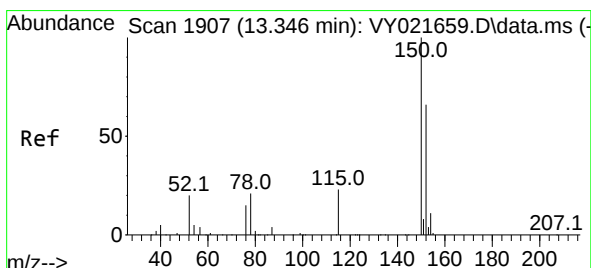
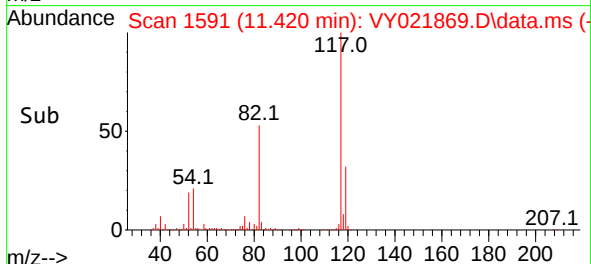
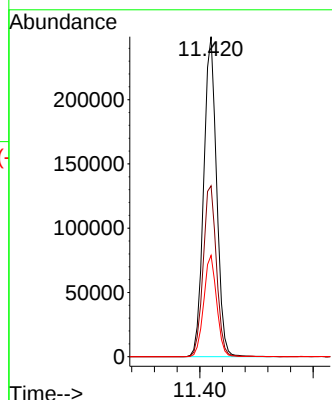
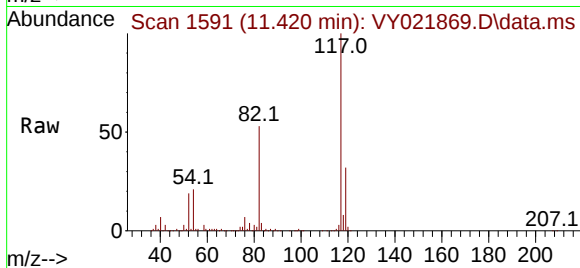
Tgt Ion:117 Resp: 394299

Ion Ratio Lower Upper

117 100

82 53.4 42.8 64.2

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021869.D

Acq: 14 Apr 2025 15:03

Tgt Ion:152 Resp: 131817

Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 158.5 0.0 348.4

