

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021687.D
 Acq On : 28 Mar 2025 13:17
 Operator : SY/MD
 Sample : Q1656-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ239

Quant Time: Mar 28 23:42:58 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	7.707	168	6252	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	9694	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	7942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1595	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	4953	73.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	146.240%
35) Dibromofluoromethane	7.634	113	3716	59.094	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	118.180%
50) Toluene-d8	10.103	98	11368	47.520	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.040%
62) 4-Bromofluorobenzene	12.401	95	2419	29.894	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.780%

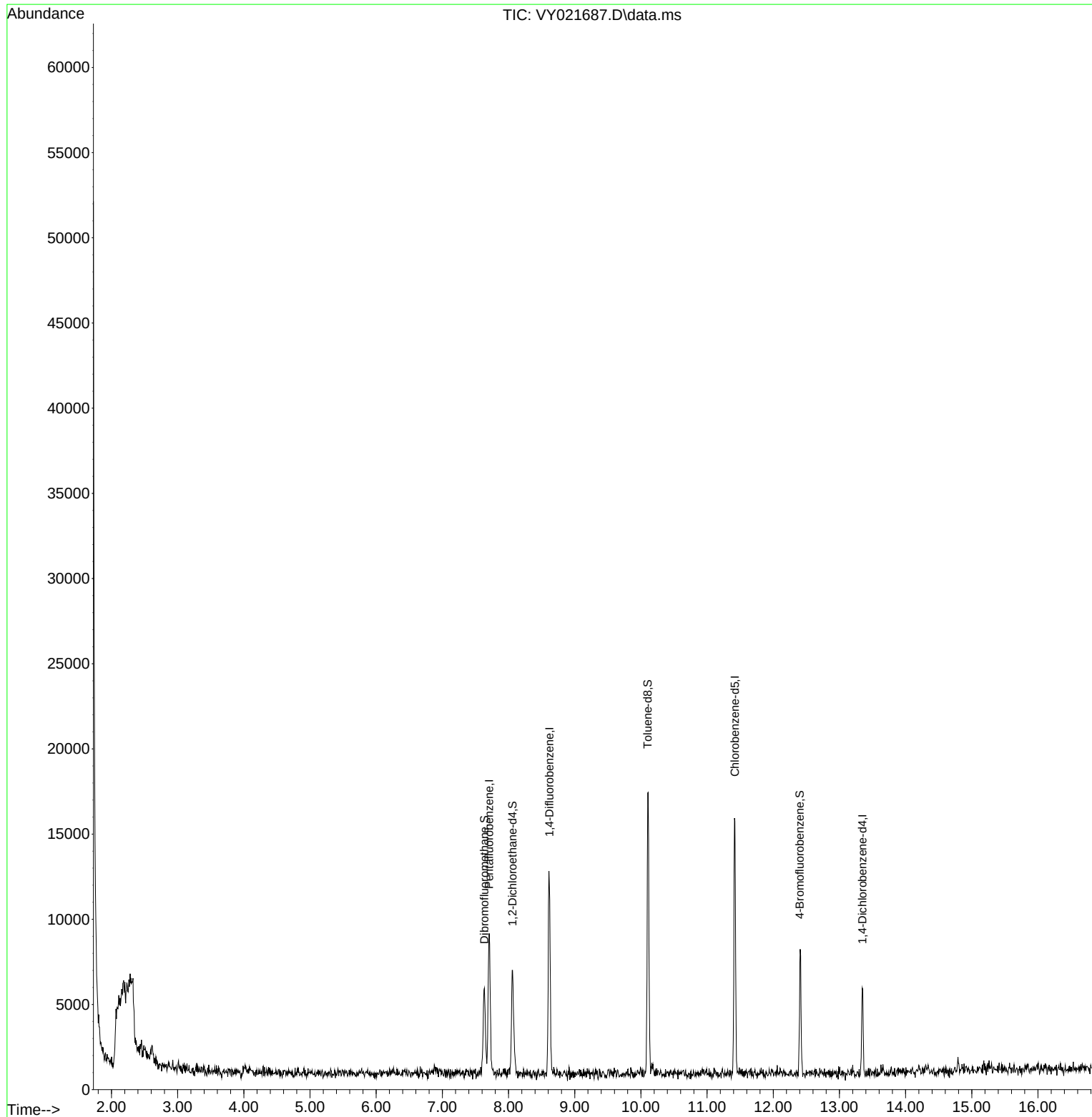
Target Compounds	Qvalue

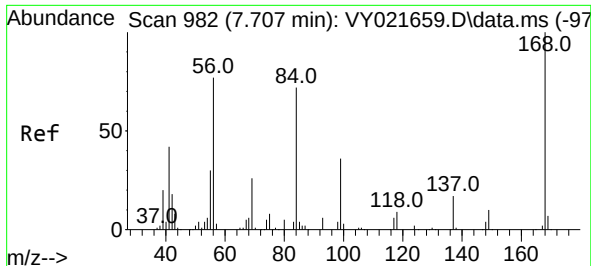
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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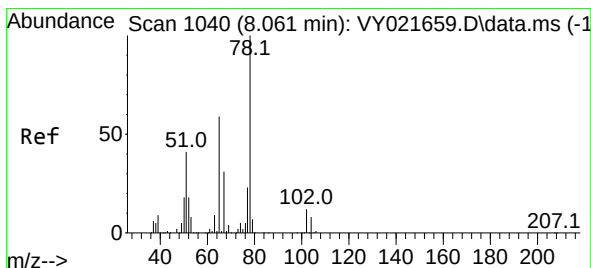
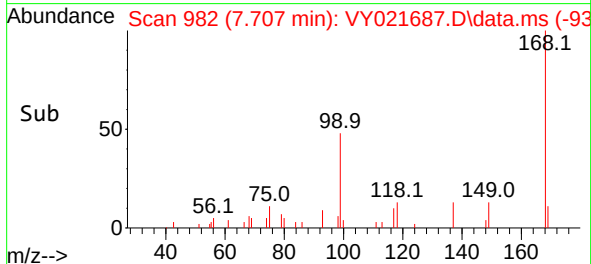
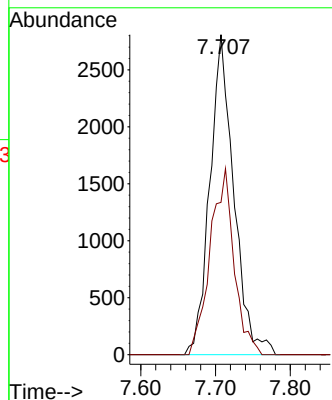
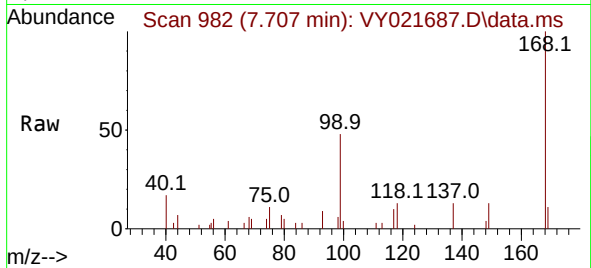




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

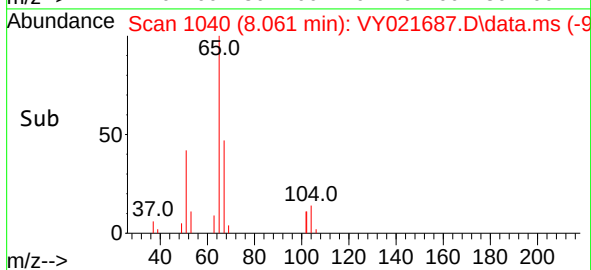
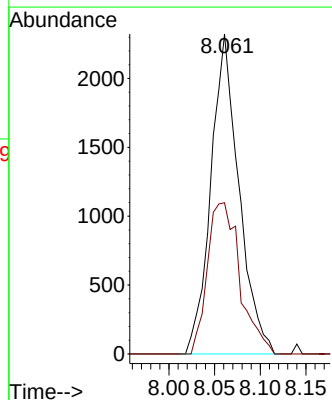
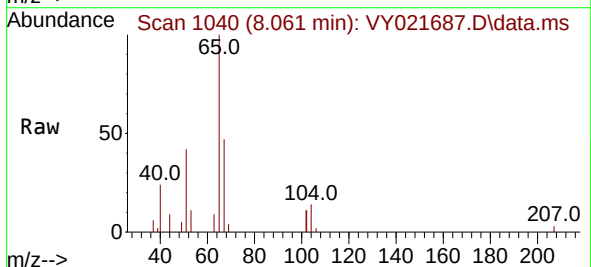
Instrument :
MSVOA_Y
ClientSampleId :
VNJ239

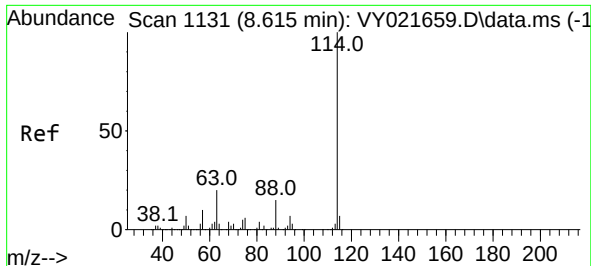
Tgt Ion:168 Resp: 6252
Ion Ratio Lower Upper
168 100
99 47.6 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 73.119 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 65 Resp: 4953
Ion Ratio Lower Upper
65 100
67 54.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021687.D

Acq: 28 Mar 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VNJ239

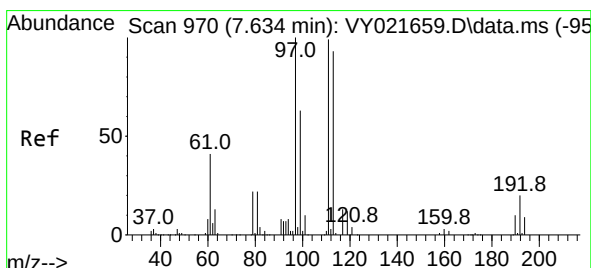
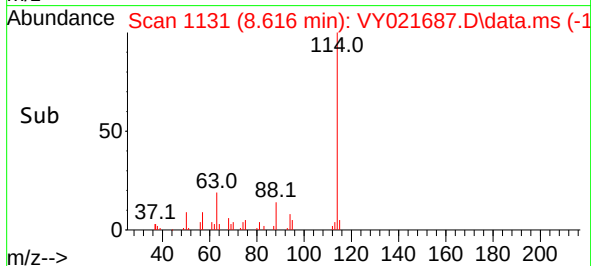
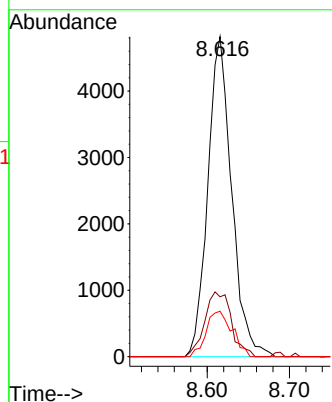
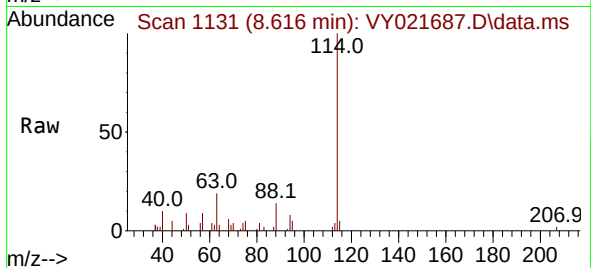
Tgt Ion:114 Resp: 9694

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.2

88 14.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 59.094 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021687.D

Acq: 28 Mar 2025 13:17

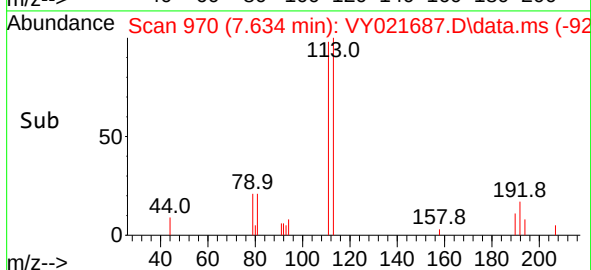
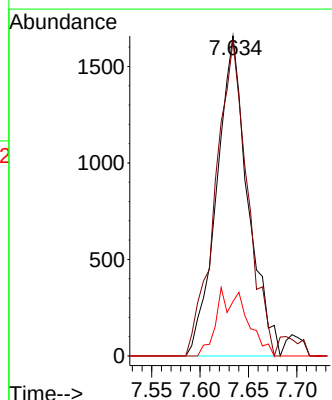
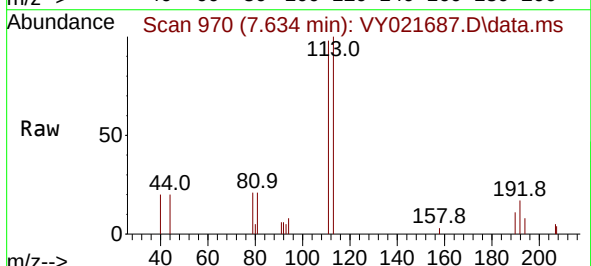
Tgt Ion:113 Resp: 3716

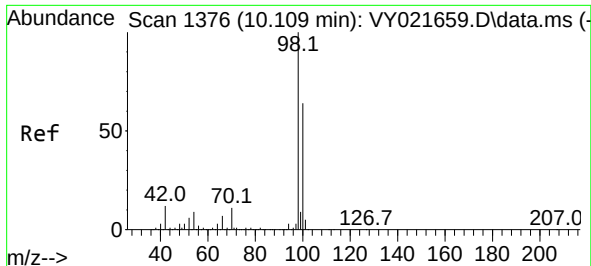
Ion Ratio Lower Upper

113 100

111 101.1 82.6 123.8

192 20.2 16.2 24.4

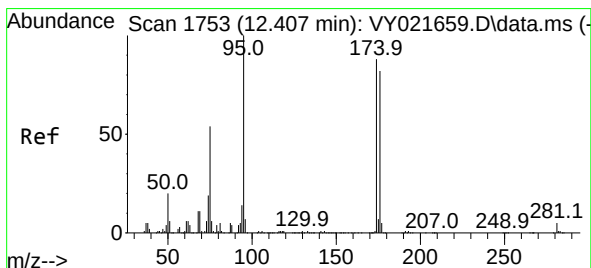
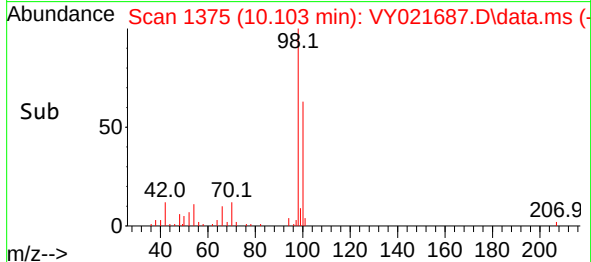
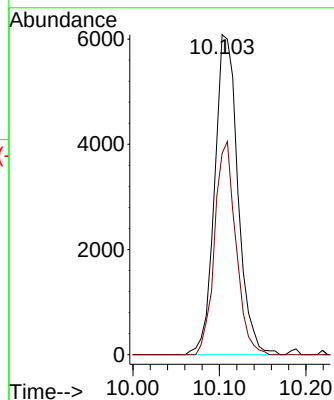
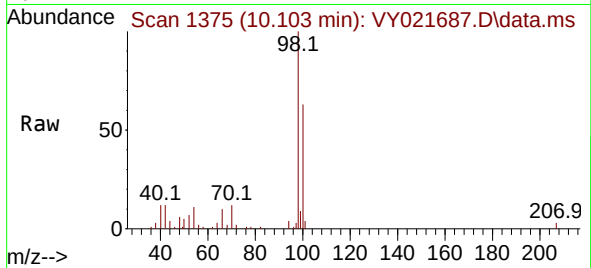




#50
Toluene-d8
Concen: 47.520 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

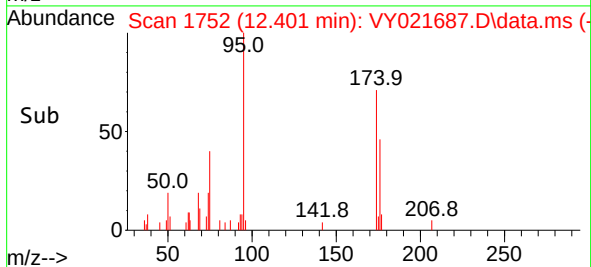
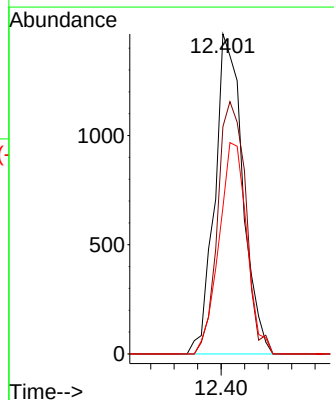
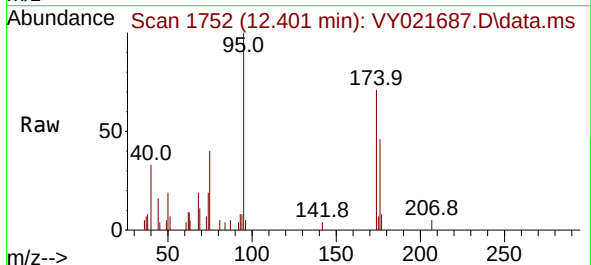
Instrument :
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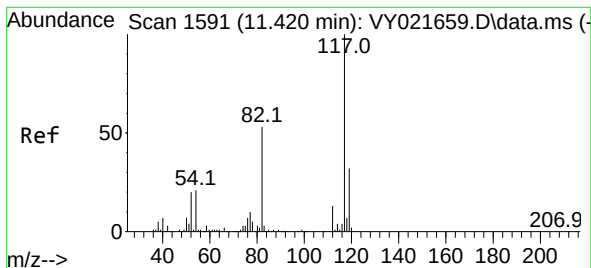
Tgt Ion: 98 Resp: 11368
Ion Ratio Lower Upper
98 100
100 60.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 29.894 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021687.D
Acq: 28 Mar 2025 13:17

Tgt Ion: 95 Resp: 2419
Ion Ratio Lower Upper
95 100
174 79.4 0.0 170.8
176 65.9 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: VY021687.D

Acq: 28 Mar 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

VNJ239

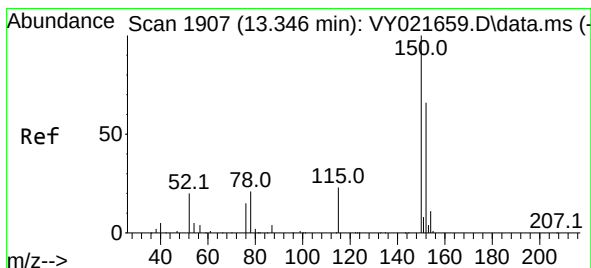
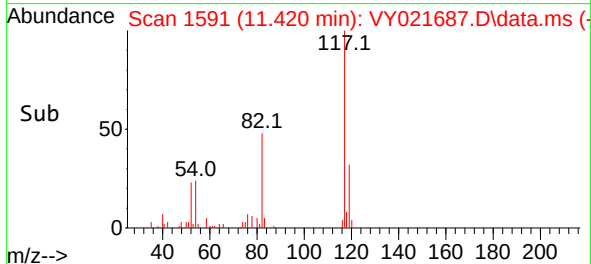
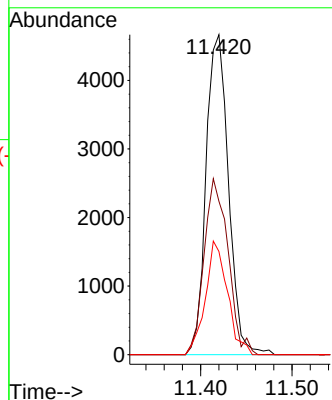
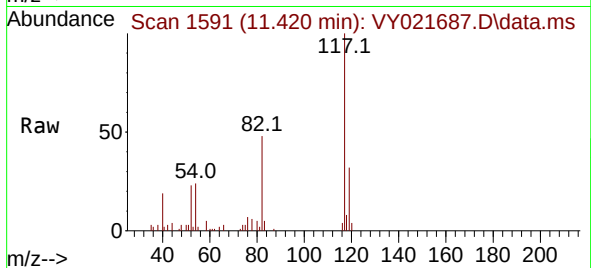
Tgt Ion:117 Resp: 7942

Ion Ratio Lower Upper

117 100

82 48.0 42.8 64.2

119 32.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021687.D

Acq: 28 Mar 2025 13:17

Tgt Ion:152 Resp: 1595

Ion Ratio Lower Upper

152 100

115 47.8 28.8 86.5

150 143.1 0.0 348.4

