

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052925\
 Data File : VY022465.D
 Acq On : 29 May 2025 14:22
 Operator : SY/MD
 Sample : Q2150-06
 Misc : 7.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-50

Quant Time: May 30 05:35:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	284911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	538977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	400662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115590	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	162327	54.091	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	108.180%
35) Dibromofluoromethane	7.640	113	161633	51.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.420%
50) Toluene-d8	10.109	98	633488	49.232	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.408	95	140518	36.103	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.200%

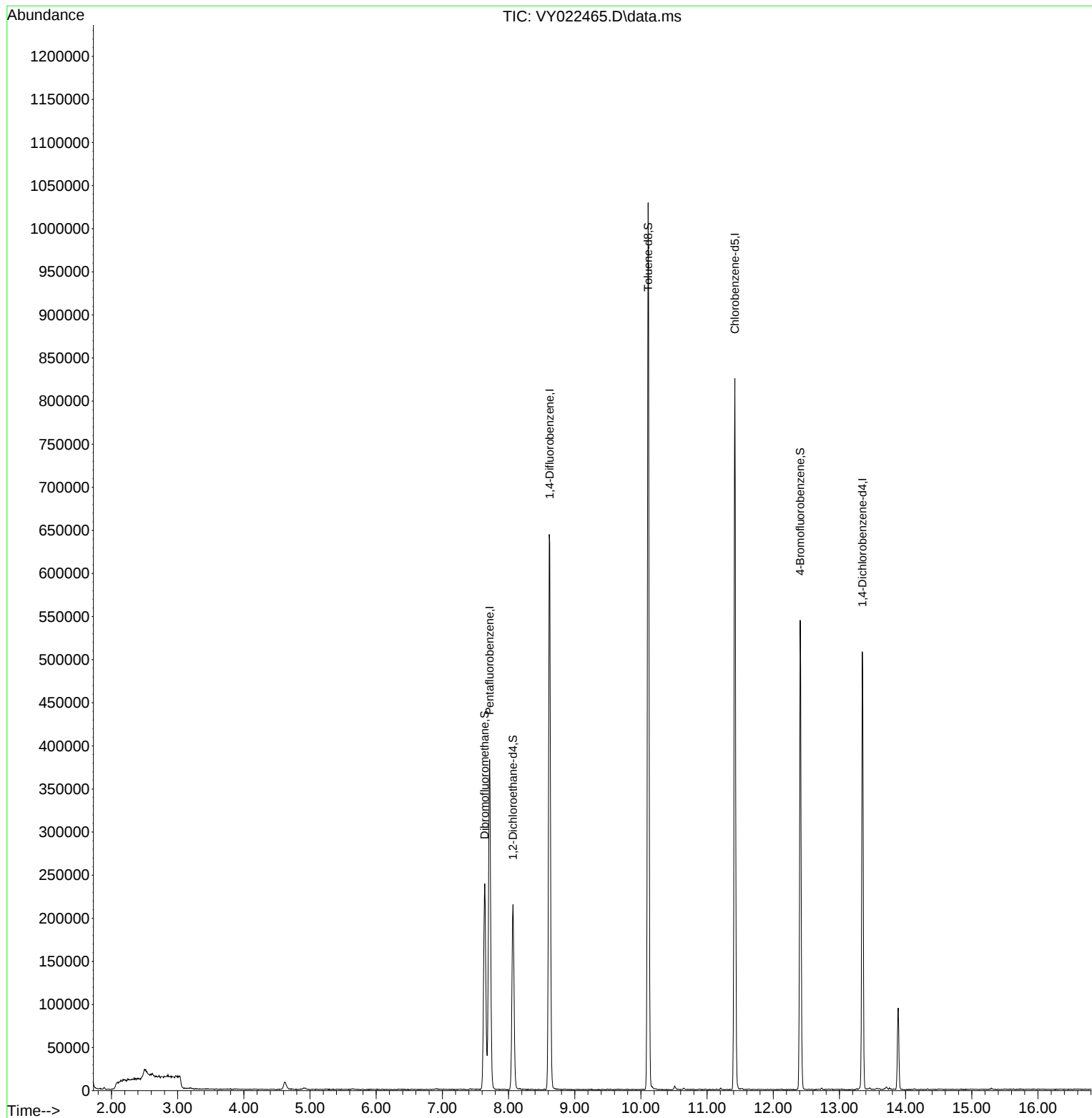
Target Compounds	Qvalue

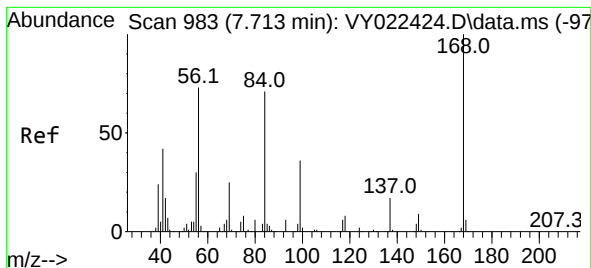
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY022465.D

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Instrument :

MSVOA_Y

ClientSampleId :

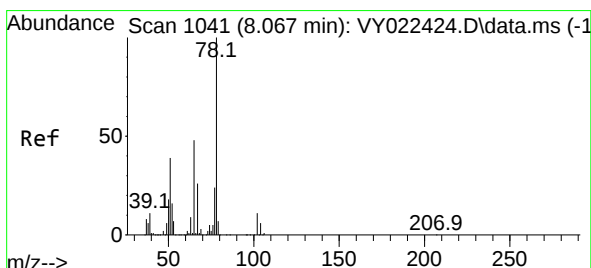
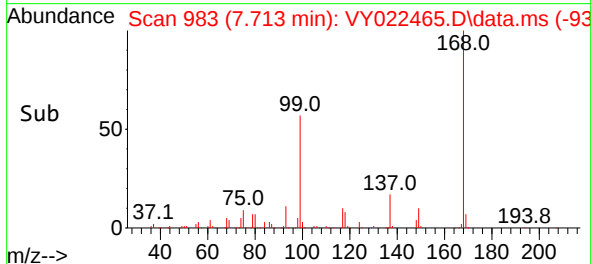
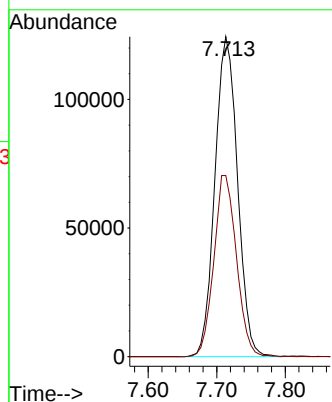
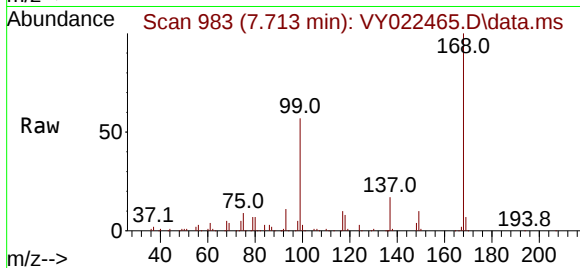
TP-50

Tgt Ion:168 Resp: 284911

Ion Ratio Lower Upper

168 100

99 56.6 44.7 67.1



#33

1,2-Dichloroethane-d4

Concen: 54.091 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VY022465.D

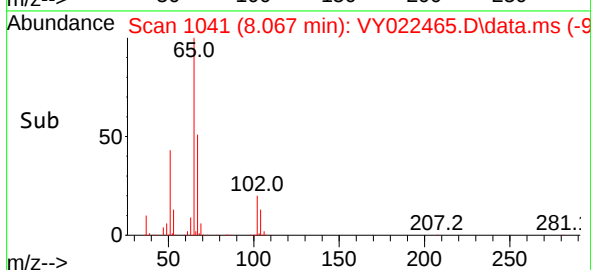
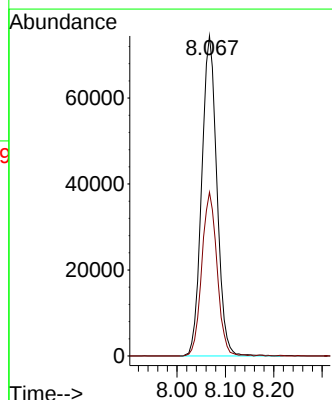
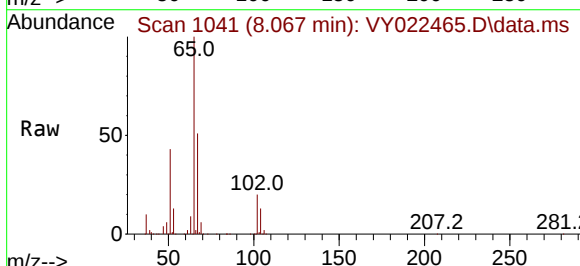
Acq: 29 May 2025 14:22

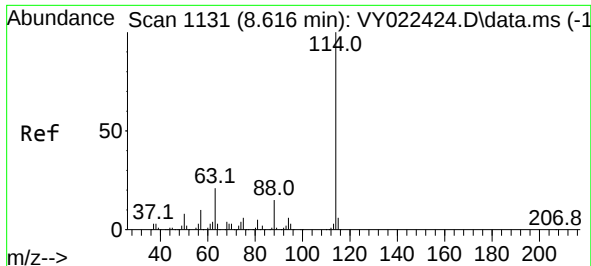
Tgt Ion: 65 Resp: 162327

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

Instrument :

MSVOA_Y

ClientSampleId :

TP-50

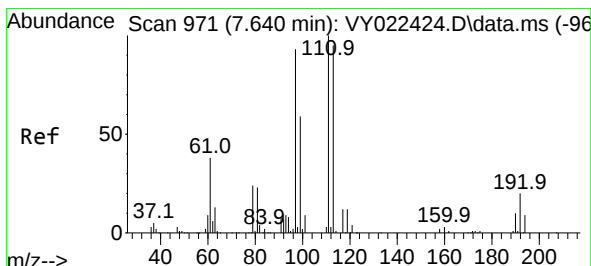
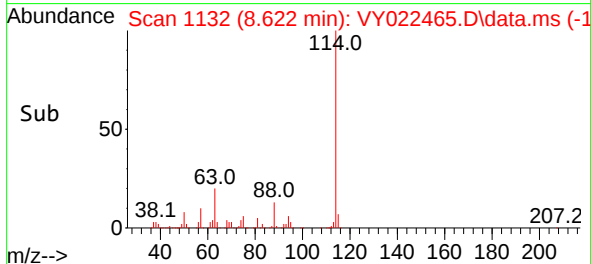
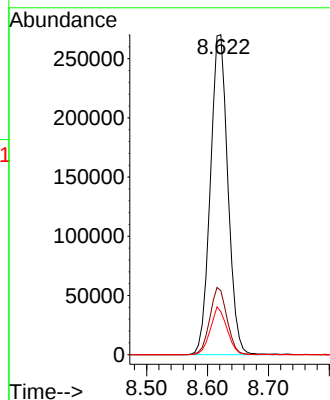
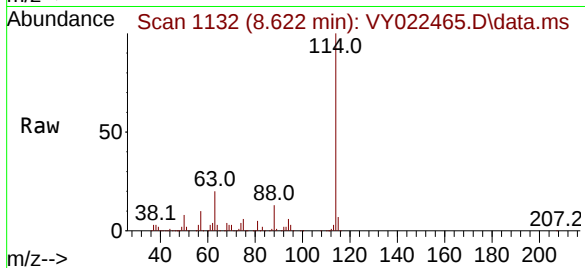
Tgt Ion:114 Resp: 538977

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.6

88 13.4 0.0 29.4



#35

Dibromofluoromethane

Concen: 51.208 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY022465.D

Acq: 29 May 2025 14:22

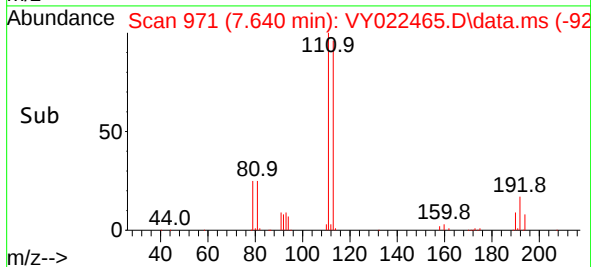
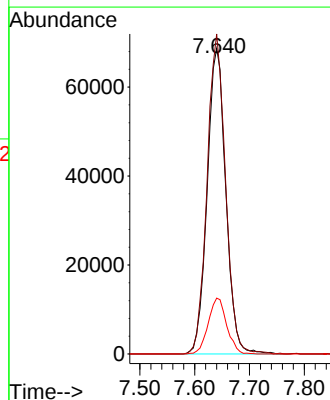
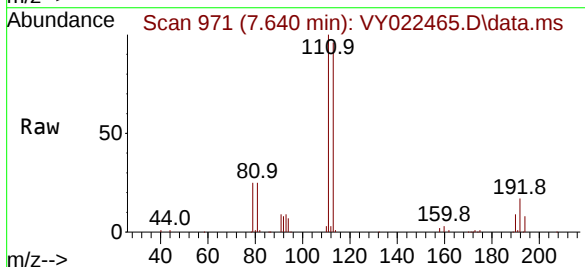
Tgt Ion:113 Resp: 161633

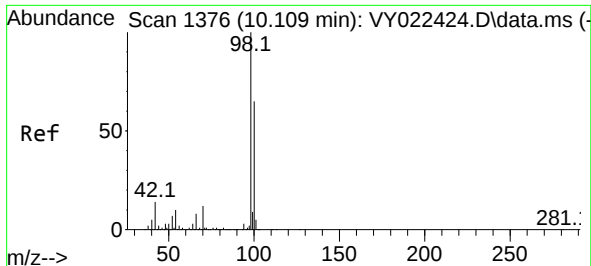
Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 18.1 15.2 22.8

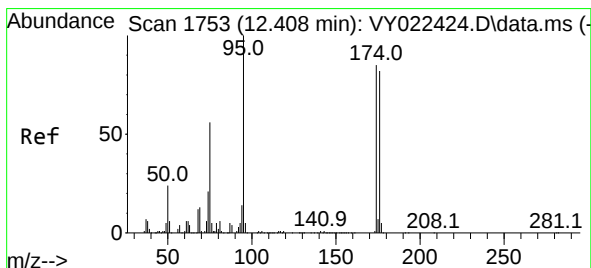
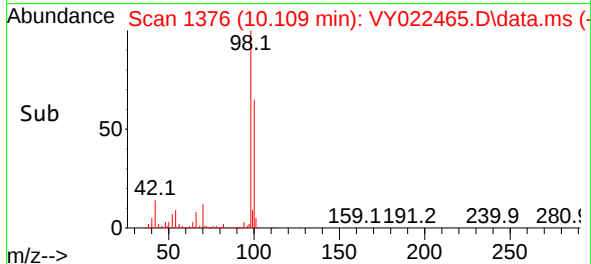
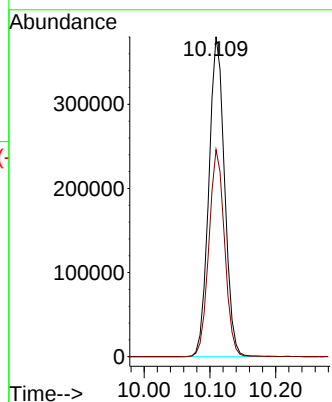
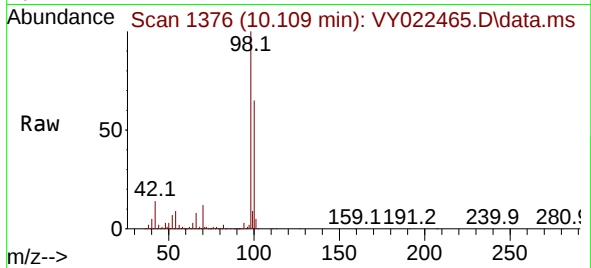




#50
Toluene-d8
Concen: 49.232 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

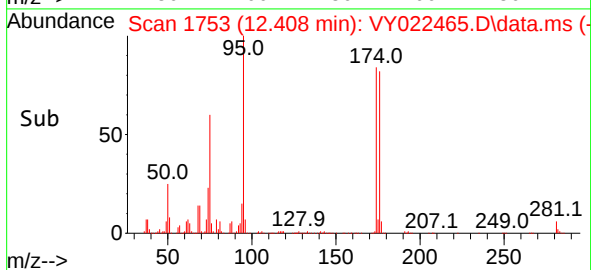
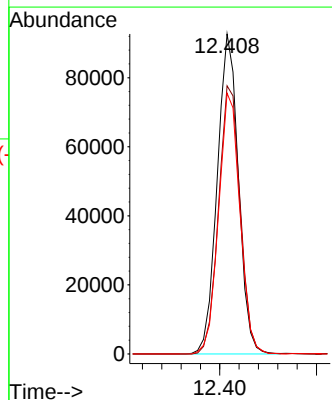
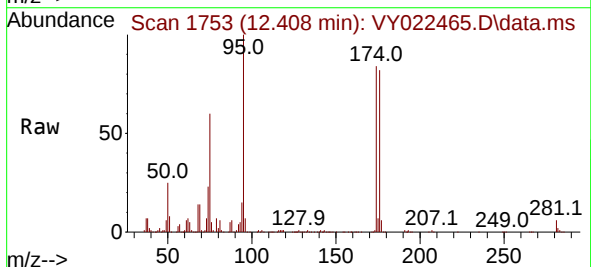
Instrument :
MSVOA_Y
ClientSampleId :
TP-50

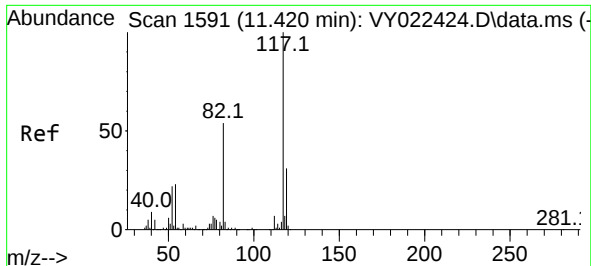
Tgt Ion: 98 Resp: 633488
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 36.103 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion: 95 Resp: 140518
Ion Ratio Lower Upper
95 100
174 85.8 0.0 171.6
176 82.2 0.0 164.6

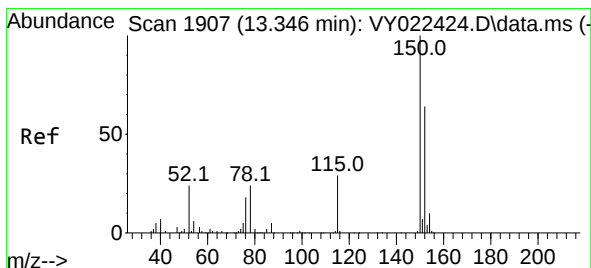
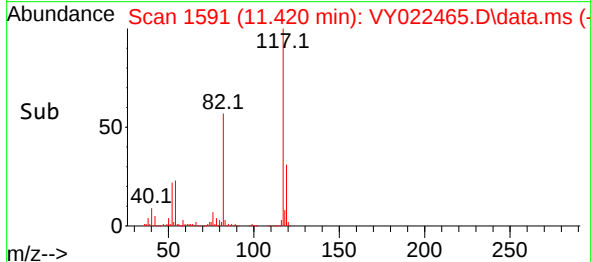
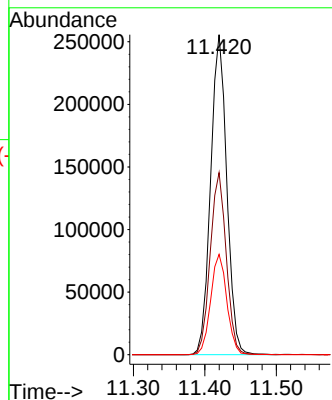
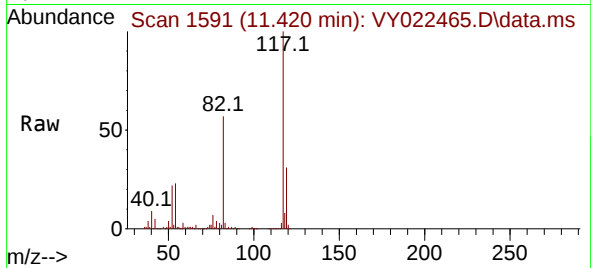




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Instrument :
MSVOA_Y
ClientSampleId :
TP-50

Tgt Ion:117 Resp: 400662
Ion Ratio Lower Upper
117 100
82 56.9 43.3 64.9
119 31.4 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY022465.D
Acq: 29 May 2025 14:22

Tgt Ion:152 Resp: 115590
Ion Ratio Lower Upper
152 100
115 58.2 28.4 85.3
150 156.2 0.0 345.8

