

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021830.D
 Acq On : 10 Apr 2025 12:06
 Operator : SY/MD
 Sample : Q1747-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS20-0008RE

Quant Time: Apr 11 01:49:56 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	4223	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	7192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	5301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	735	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	3105	67.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.720%
35) Dibromofluoromethane	7.646	113	1640	35.153	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.300%
50) Toluene-d8	10.115	98	8162	45.987	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.980%
62) 4-Bromofluorobenzene	12.414	95	1348	22.454	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	44.900%

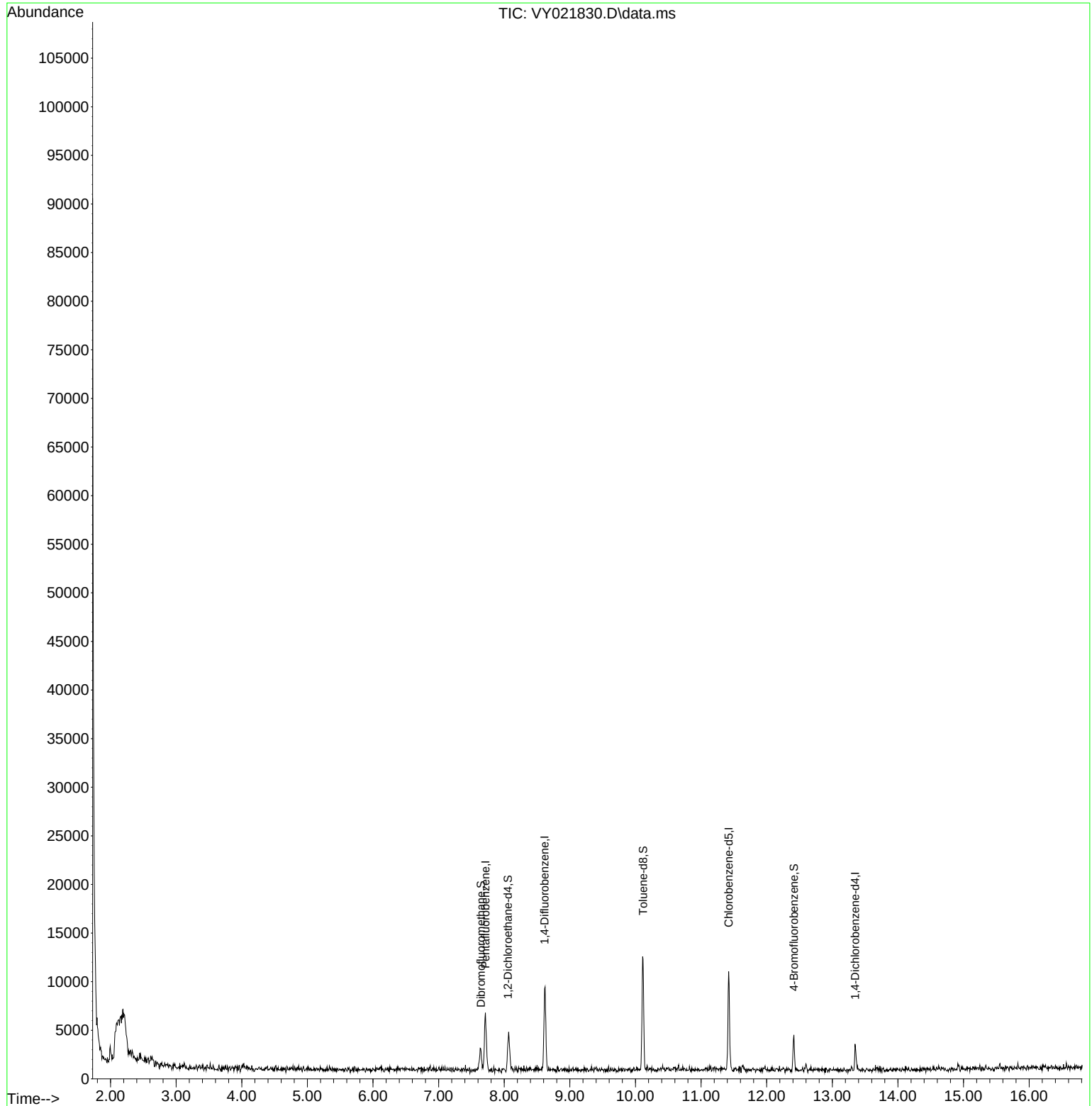
Target Compounds	Qvalue

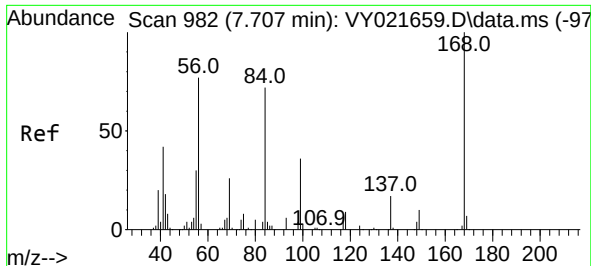
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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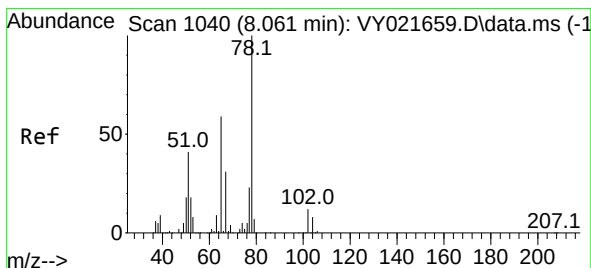
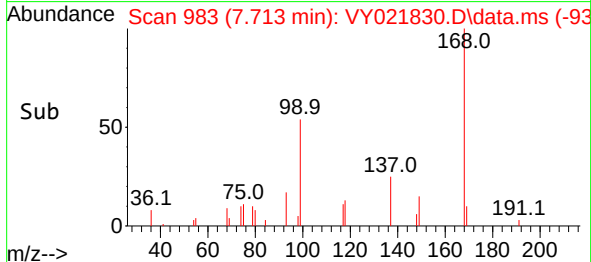
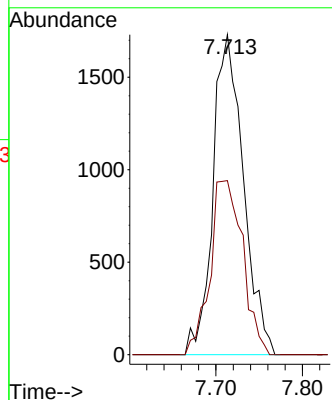
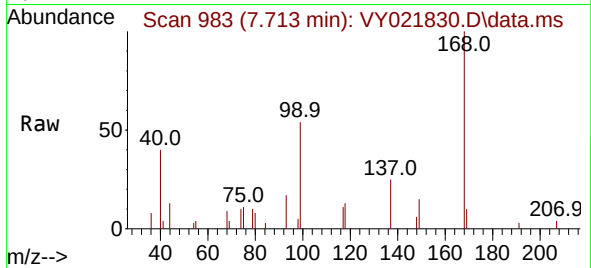




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021830.D
Acq: 10 Apr 2025 12:06

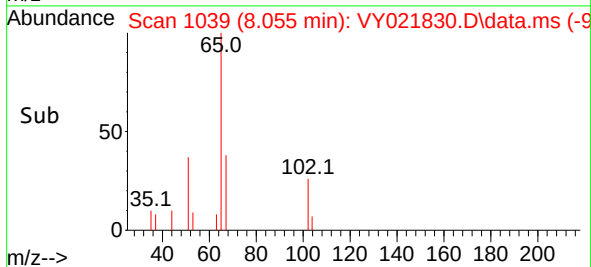
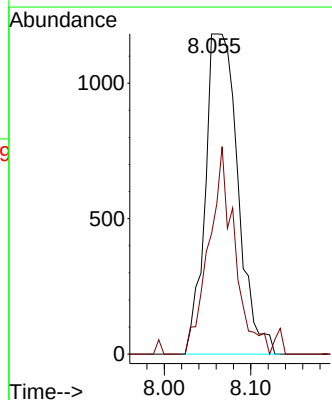
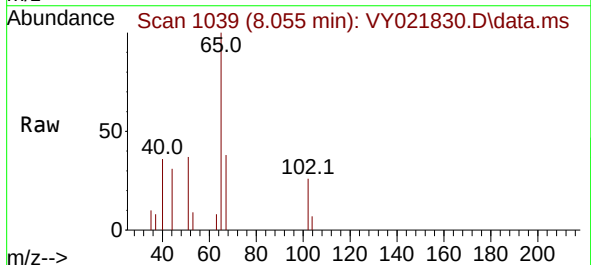
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008RE

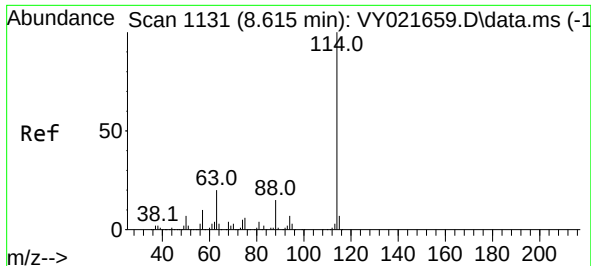
Tgt Ion:168 Resp: 4223
Ion Ratio Lower Upper
168 100
99 54.4 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 67.861 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY021830.D
Acq: 10 Apr 2025 12:06

Tgt Ion: 65 Resp: 3105
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.6

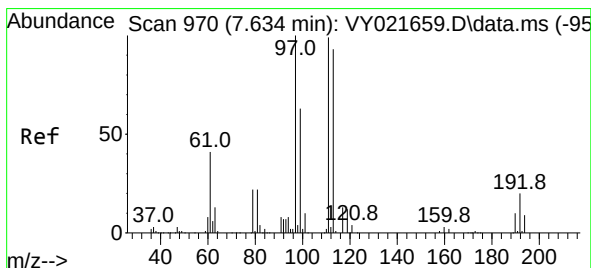
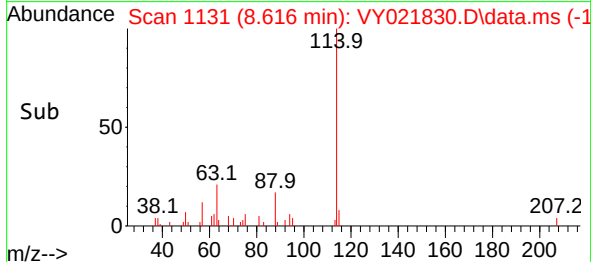
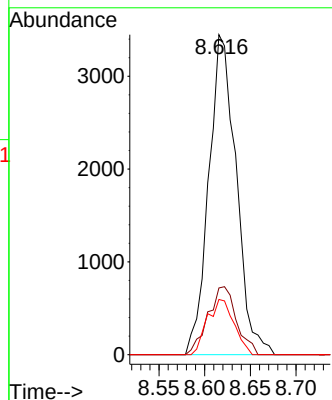
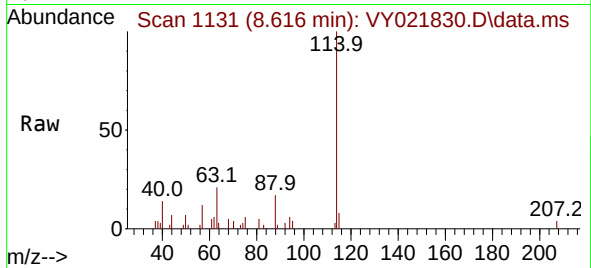




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021830.D
Acq: 10 Apr 2025 12:06

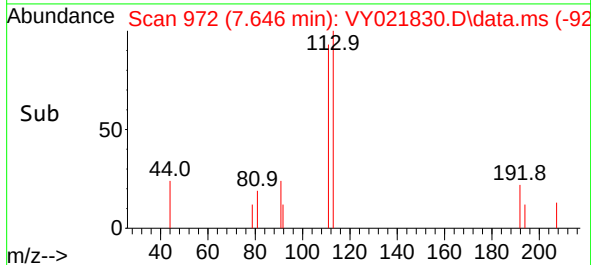
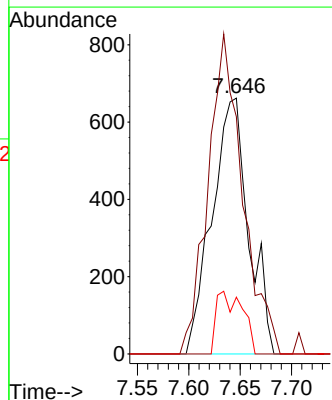
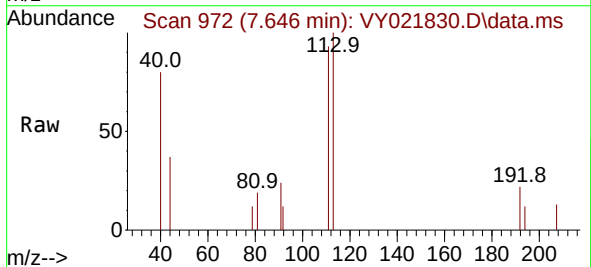
Instrument :
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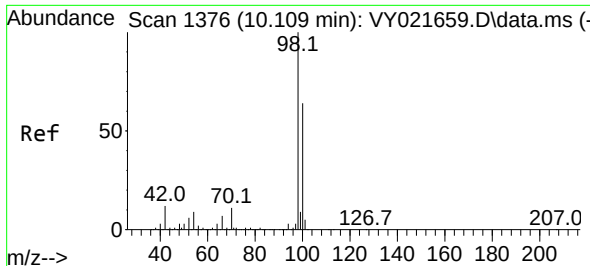
Tgt Ion:	114	Resp:	7192
Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.2
88	17.3	0.0	29.8



#35
Dibromofluoromethane
Concen: 35.153 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.012 min
Lab File: VY021830.D
Acq: 10 Apr 2025 12:06

Tgt Ion:	113	Resp:	1640
Ion	Ratio	Lower	Upper
113	100		
111	118.1	82.6	123.8
192	17.4	16.2	24.4

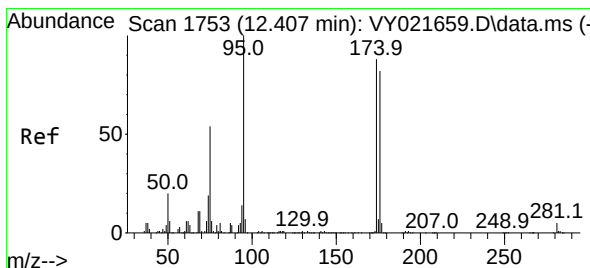
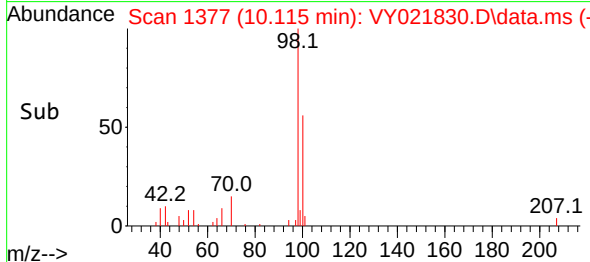
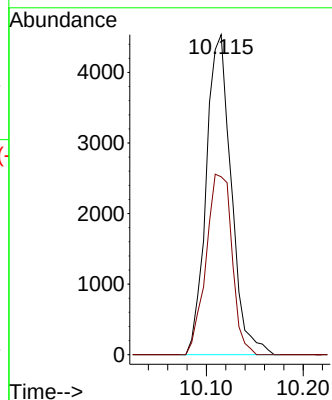
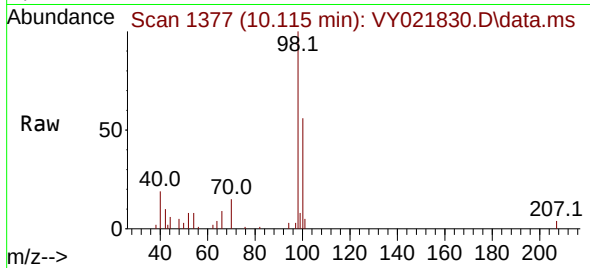




#50
Toluene-d8
Concen: 45.987 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021830.D
Acq: 10 Apr 2025 12:06

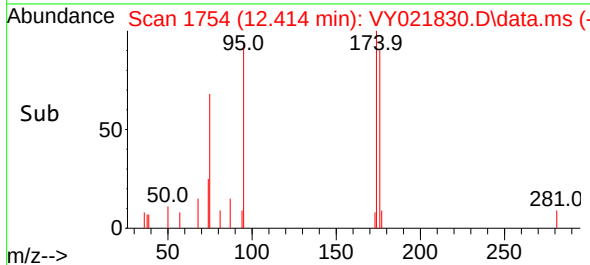
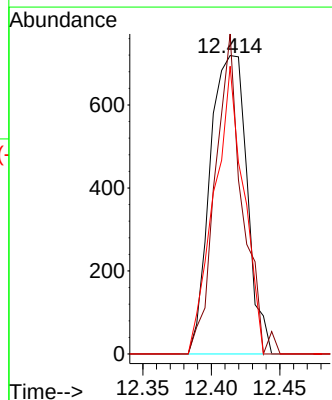
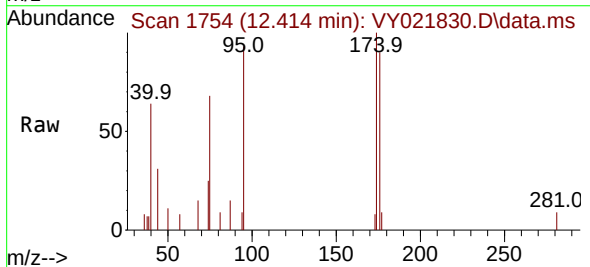
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0008RE

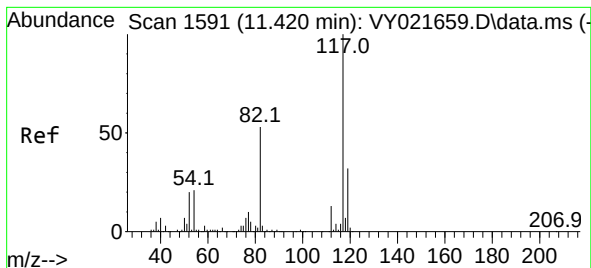
Tgt Ion: 98 Resp: 8162
Ion Ratio Lower Upper
98 100
100 58.4 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 22.454 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY021830.D
Acq: 10 Apr 2025 12:06

Tgt Ion: 95 Resp: 1348
Ion Ratio Lower Upper
95 100
174 78.3 0.0 170.8
176 77.5 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: VY021830.D

Acq: 10 Apr 2025 12:06

Instrument :

MSVOA_Y

ClientSampleId :

ARS20-0008RE

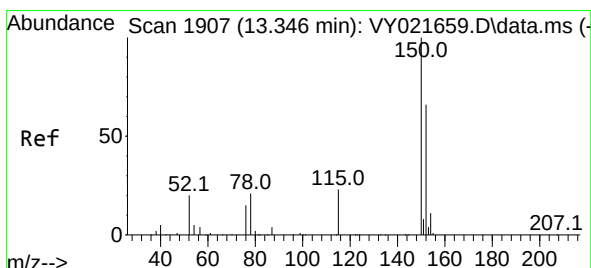
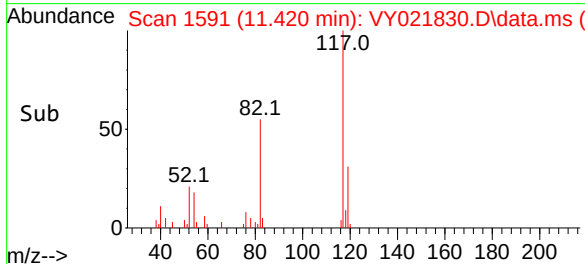
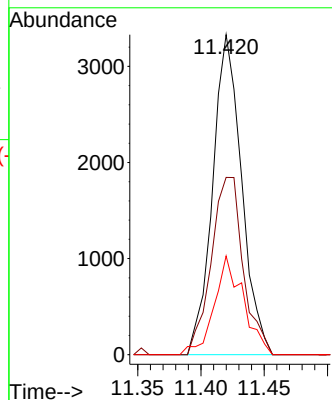
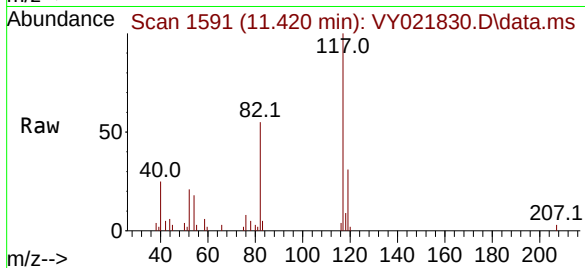
Tgt Ion:117 Resp: 5301

Ion Ratio Lower Upper

117 100

82 55.4 42.8 64.2

119 30.9 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: VY021830.D

Acq: 10 Apr 2025 12:06

Tgt Ion:152 Resp: 735

Ion Ratio Lower Upper

152 100

115 57.0 28.8 86.5

150 145.2 0.0 348.4

