

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050225\
 Data File : VY022124.D
 Acq On : 02 May 2025 13:17
 Operator : SY/MD
 Sample : Q1933-01
 Misc : 5.30g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-01-050125

Quant Time: May 03 02:50:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	80748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	120464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	92575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	27583	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	33972	45.548	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.100%
35) Dibromofluoromethane	7.634	113	43145	54.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.420%
50) Toluene-d8	10.109	98	135826	45.270	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.540%
62) 4-Bromofluorobenzene	12.408	95	29814	29.518	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	59.040%

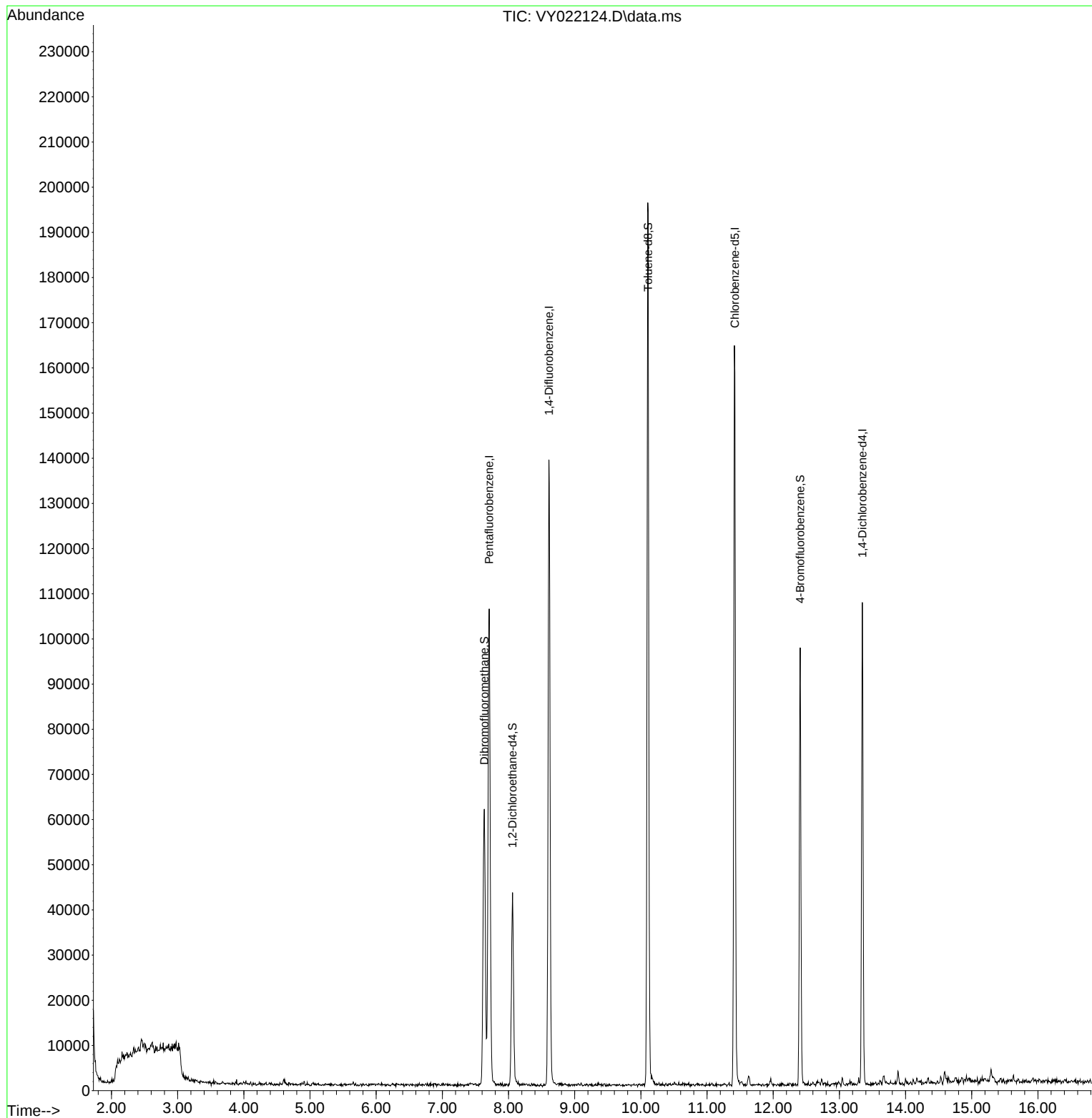
Target Compounds	Qvalue

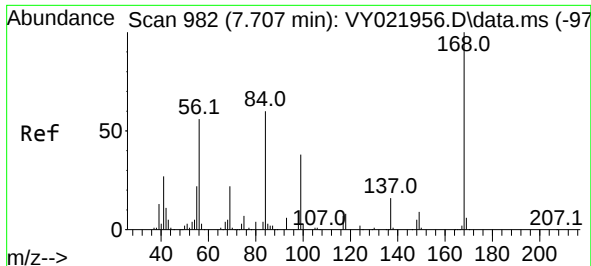
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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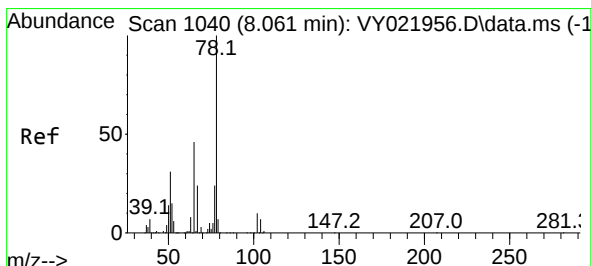
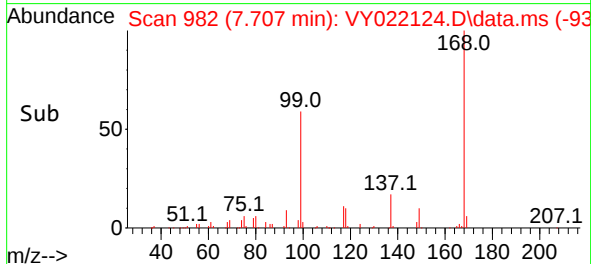
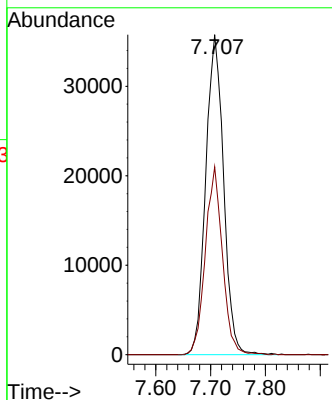
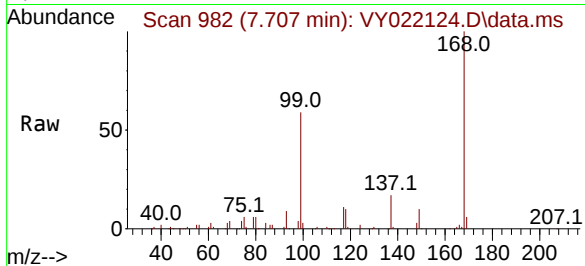




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022124.D
Acq: 02 May 2025 13:17

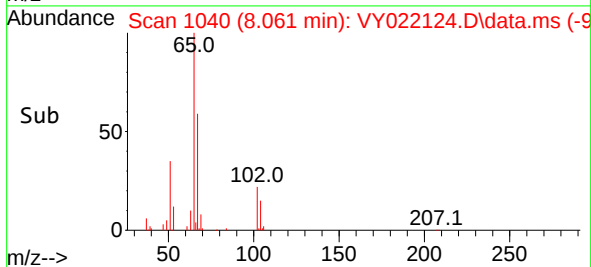
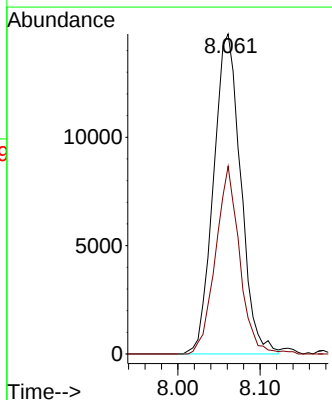
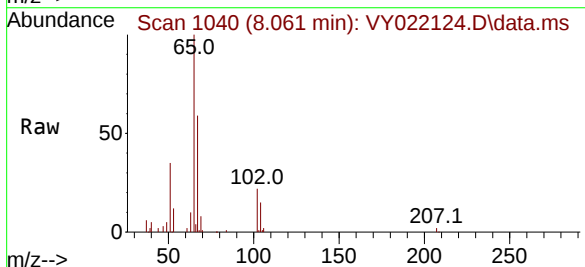
Instrument :
MSVOA_Y
ClientSampleId :
OK-01-050125

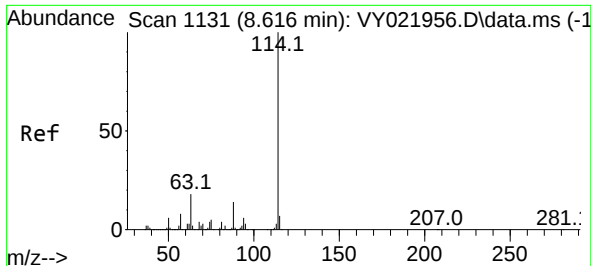
Tgt Ion:168 Resp: 80748
Ion Ratio Lower Upper
168 100
99 58.7 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 45.548 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022124.D
Acq: 02 May 2025 13:17

Tgt Ion: 65 Resp: 33972
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8

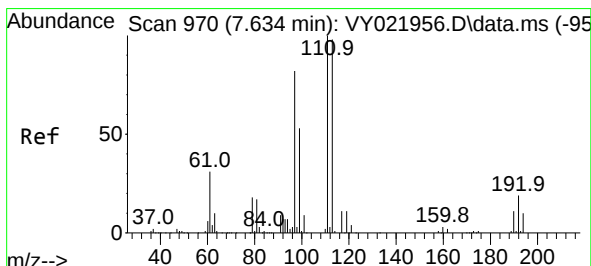
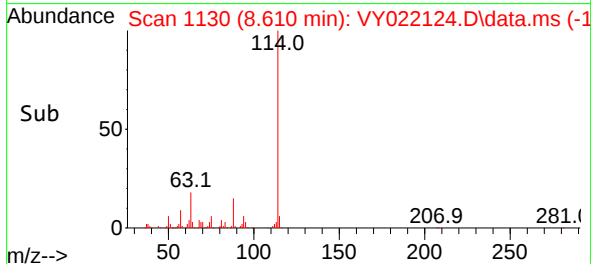
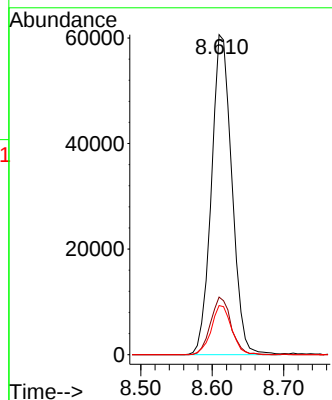
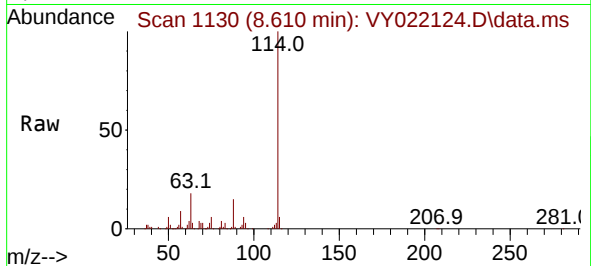




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022124.D
Acq: 02 May 2025 13:17

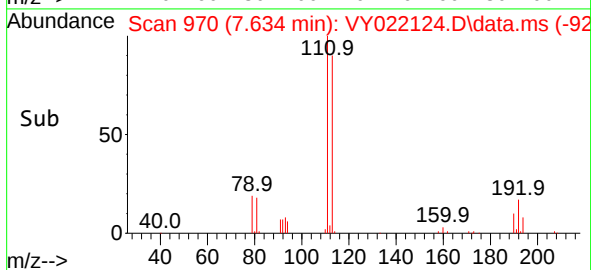
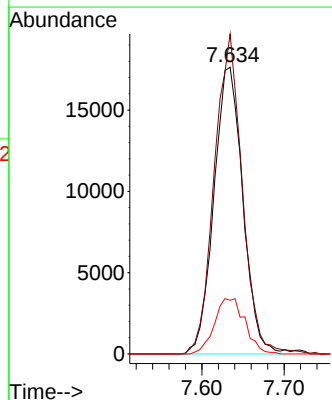
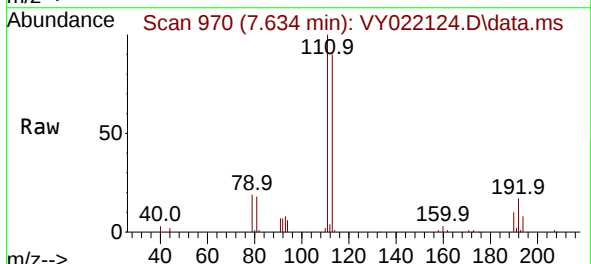
Instrument :
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ClientSampleId :
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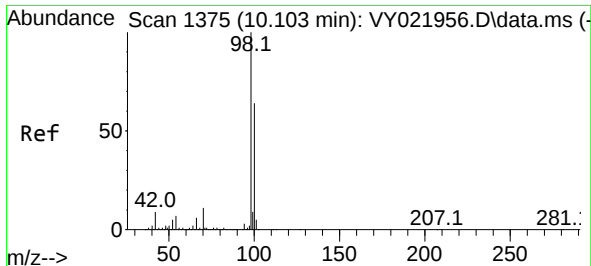
Tgt Ion:114 Resp: 120464
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.4
88 15.3 0.0 28.2



#35
Dibromofluoromethane
Concen: 54.212 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022124.D
Acq: 02 May 2025 13:17

Tgt Ion:113 Resp: 43145
Ion Ratio Lower Upper
113 100
111 107.6 81.8 122.8
192 20.5 15.6 23.4

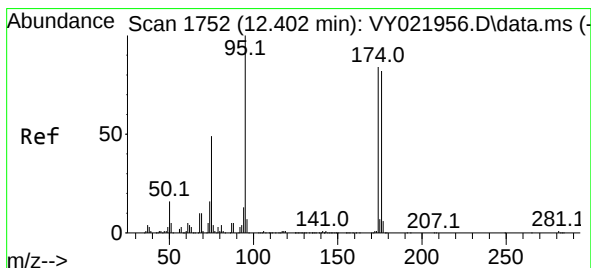
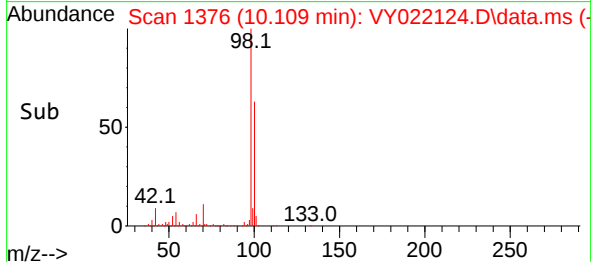
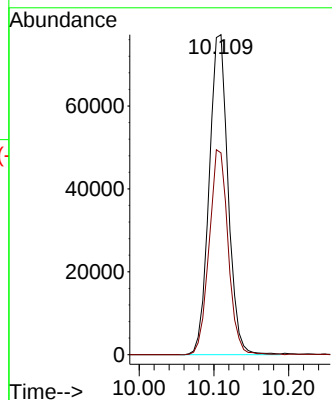
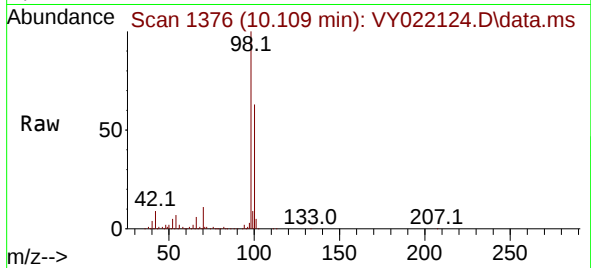




#50
Toluene-d8
Concen: 45.270 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022124.D
Acq: 02 May 2025 13:17

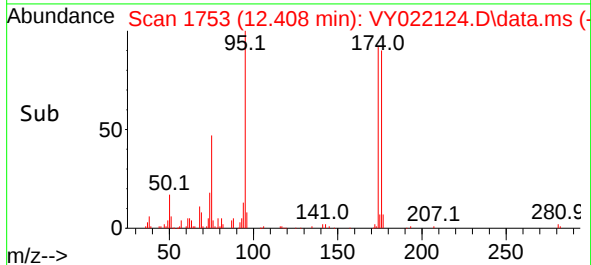
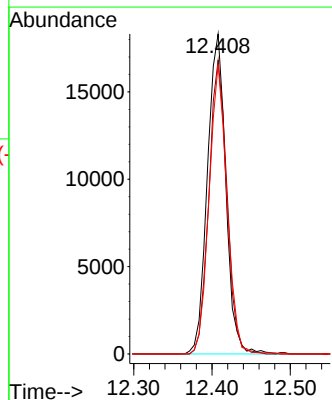
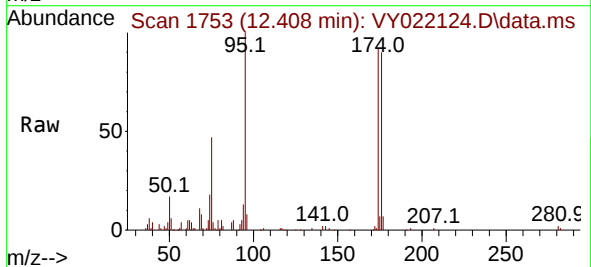
Instrument :
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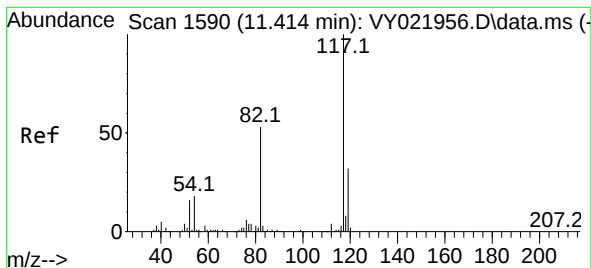
Tgt Ion: 98 Resp: 135826
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 29.518 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022124.D
Acq: 02 May 2025 13:17

Tgt Ion: 95 Resp: 29814
Ion Ratio Lower Upper
95 100
174 90.2 0.0 179.0
176 87.8 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022124.D

Acq: 02 May 2025 13:17

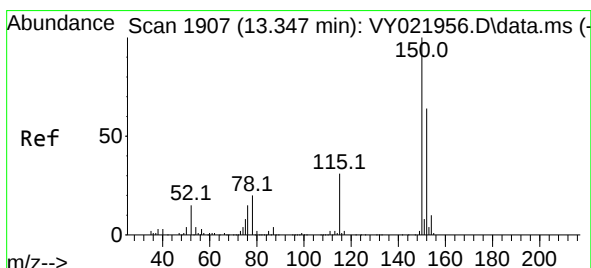
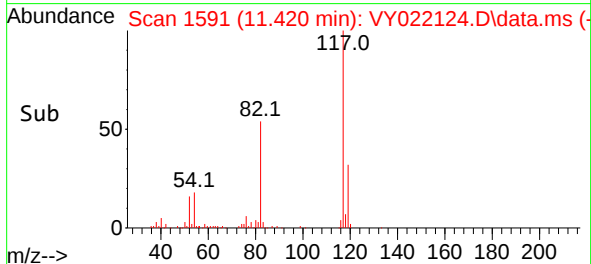
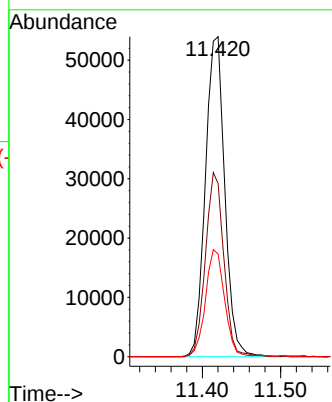
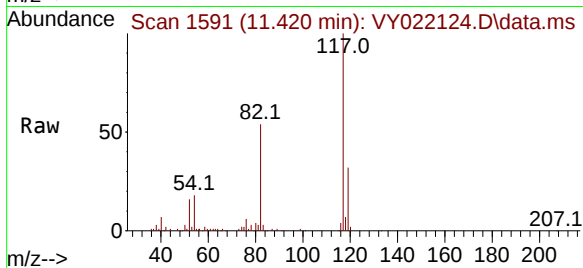
Instrument :

MSVOA_Y

ClientSampleId :

OK-01-050125

Tgt Ion:117	Resp:	92575
Ion	Ratio	Lower Upper
117	100	
82	54.1	42.1 63.1
119	32.1	25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022124.D

Acq: 02 May 2025 13:17

Tgt Ion:152	Resp:	27583
Ion	Ratio	Lower Upper
152	100	
115	57.2	28.0 84.0
150	159.3	0.0 345.6

