

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021693.D
 Acq On : 28 Mar 2025 15:38
 Operator : SY/MD
 Sample : Q1654-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3407

Quant Time: Mar 28 23:44:38 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	3240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	4969	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	2810	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	479	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	2481	70.675	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.340%
35) Dibromofluoromethane	7.634	113	1794	55.657	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.320%
50) Toluene-d8	10.109	98	5122	41.770	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.540%
62) 4-Bromofluorobenzene	12.408	95	585	14.104	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	28.200%#

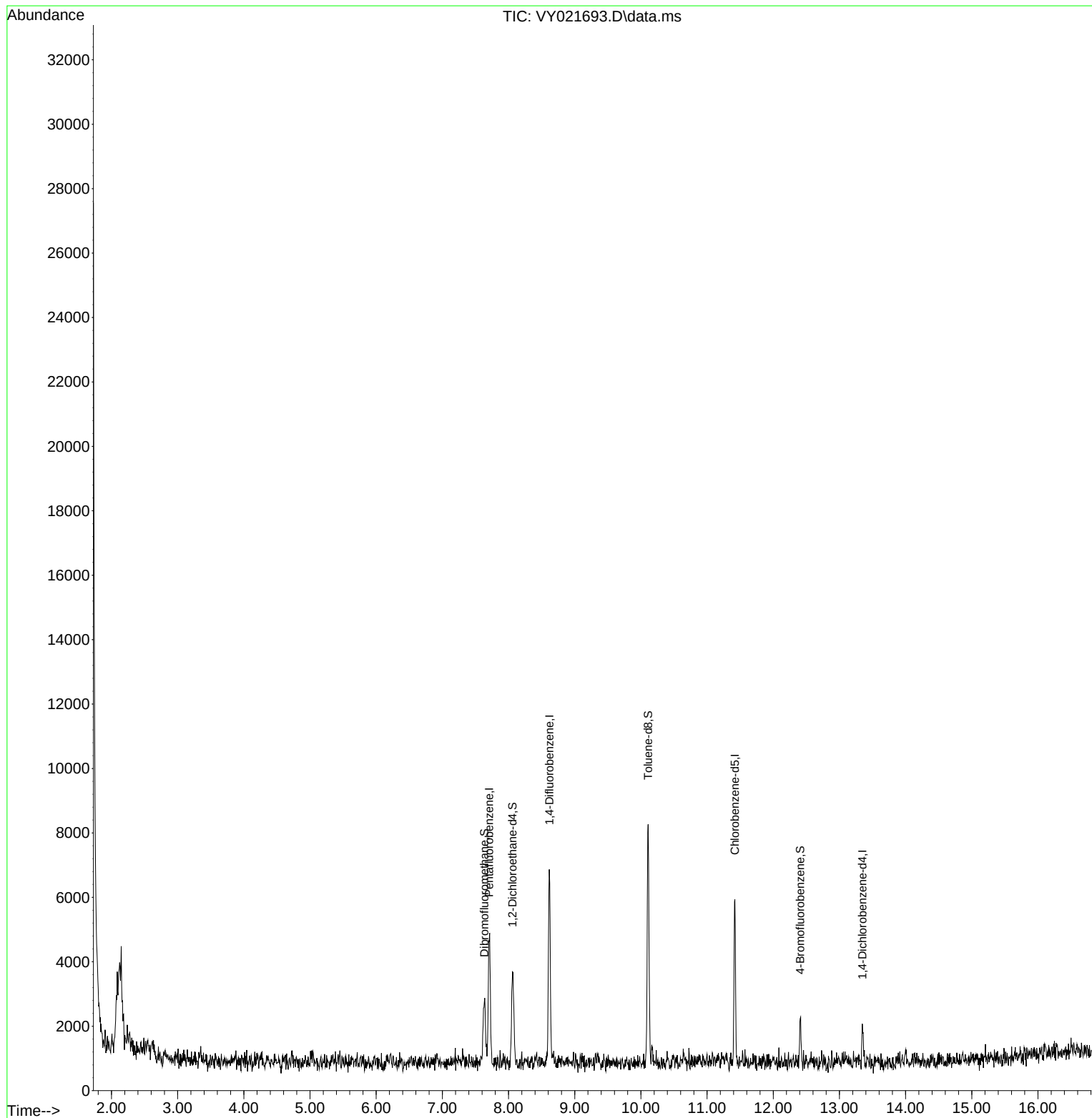
Target Compounds	Qvalue

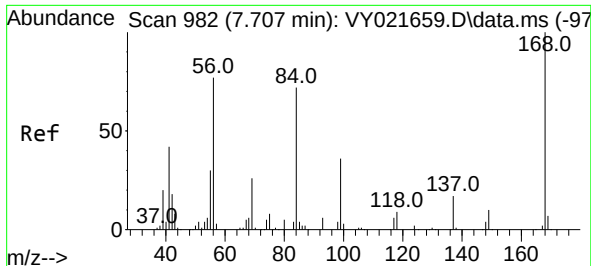
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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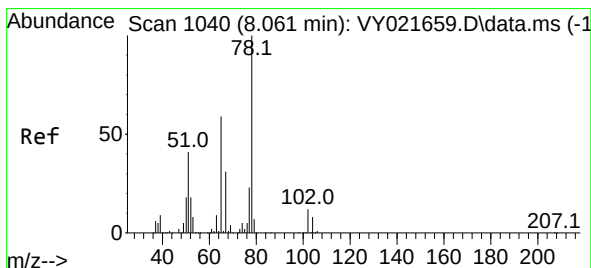
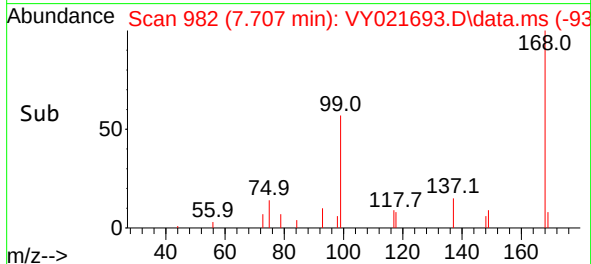
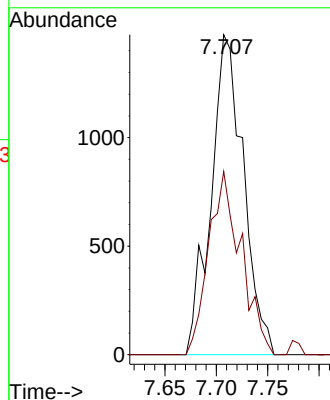
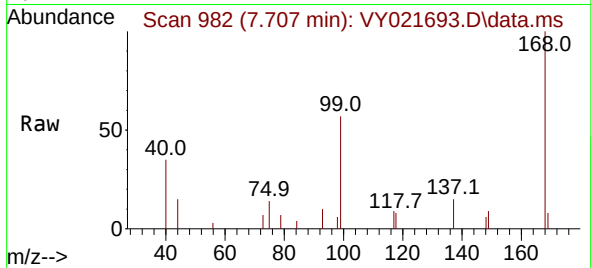




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

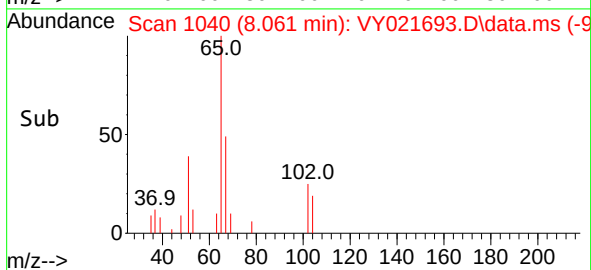
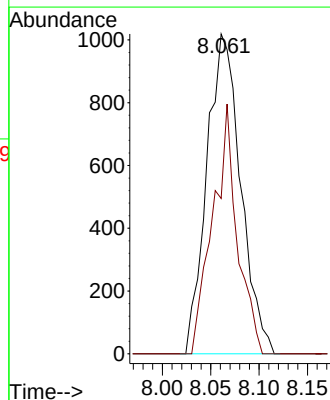
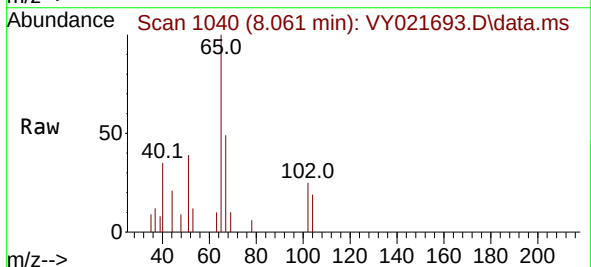
Instrument :
MSVOA_Y
ClientSampleId :
RT3407

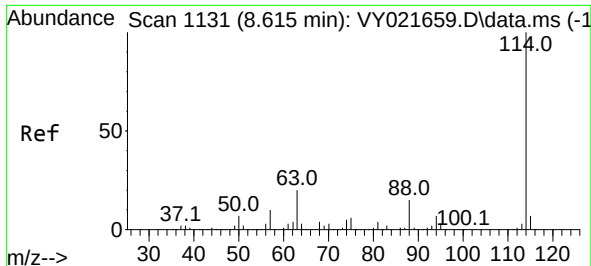
Tgt Ion:168 Resp: 3240
Ion Ratio Lower Upper
168 100
99 57.3 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 70.675 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 65 Resp: 2481
Ion Ratio Lower Upper
65 100
67 56.5 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: VY021693.D

Acq: 28 Mar 2025 15:38

Instrument :

MSVOA_Y

ClientSampleId :

RT3407

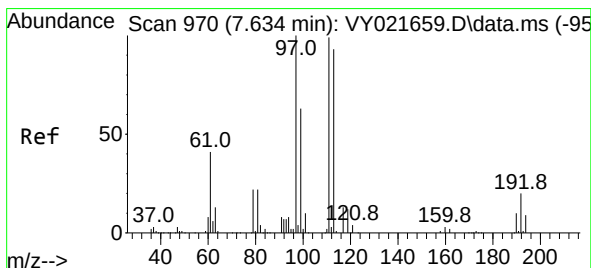
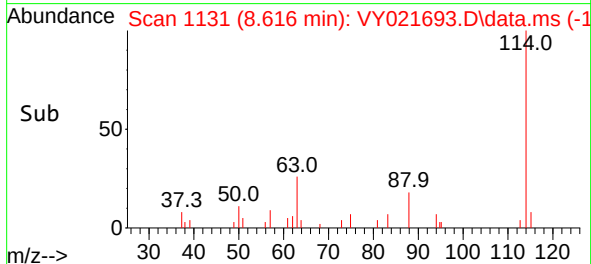
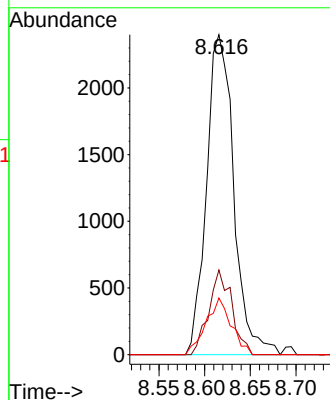
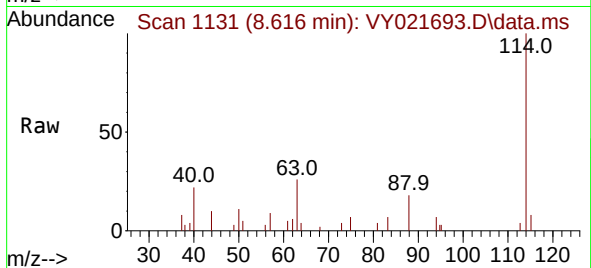
Tgt Ion:114 Resp: 4969

Ion Ratio Lower Upper

114 100

63 26.5 0.0 40.2

88 17.7 0.0 29.8



#35

Dibromofluoromethane

Concen: 55.657 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021693.D

Acq: 28 Mar 2025 15:38

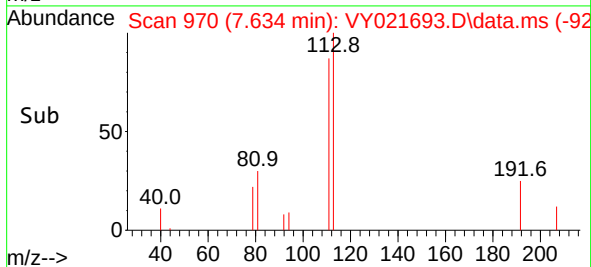
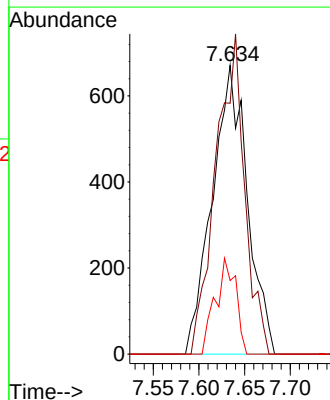
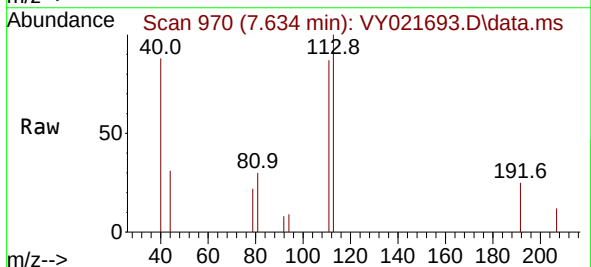
Tgt Ion:113 Resp: 1794

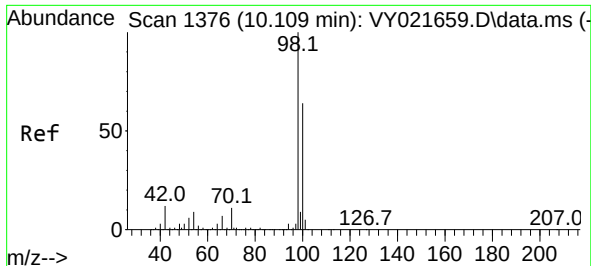
Ion Ratio Lower Upper

113 100

111 90.9 82.6 123.8

192 19.3 16.2 24.4

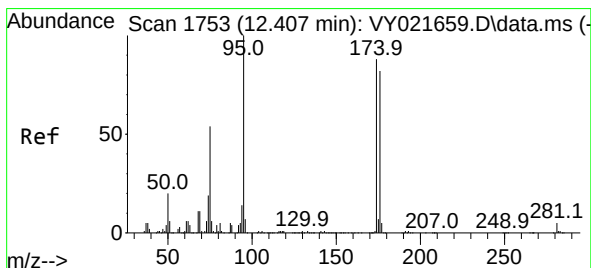
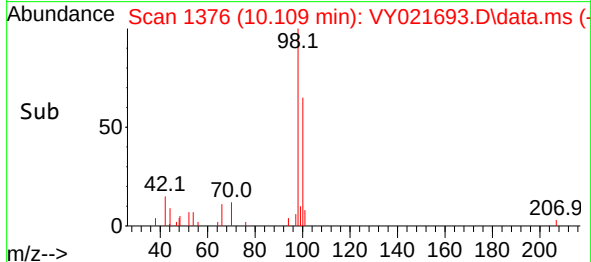
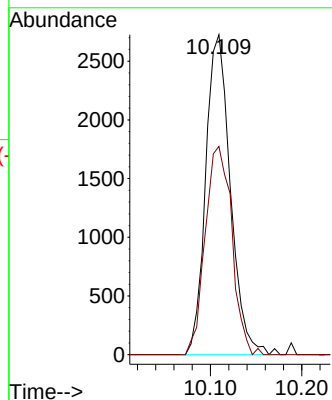
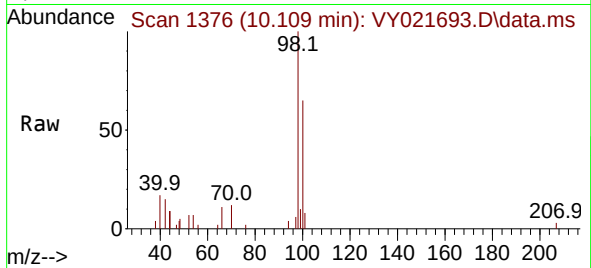




#50
Toluene-d8
Concen: 41.770 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

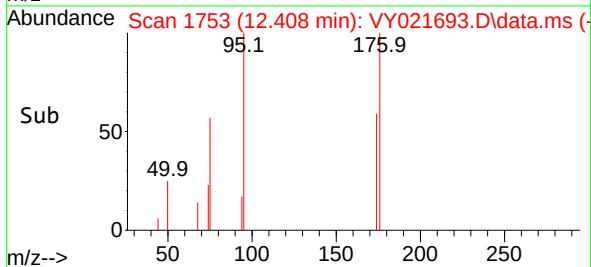
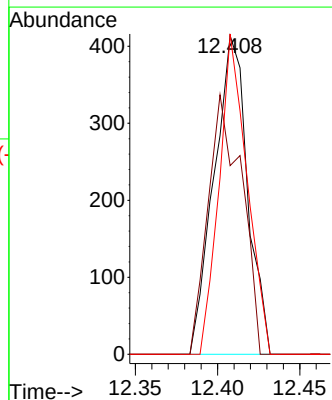
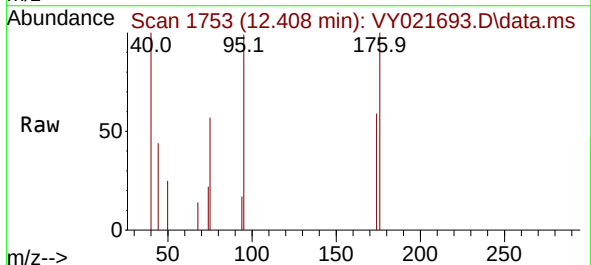
Instrument :
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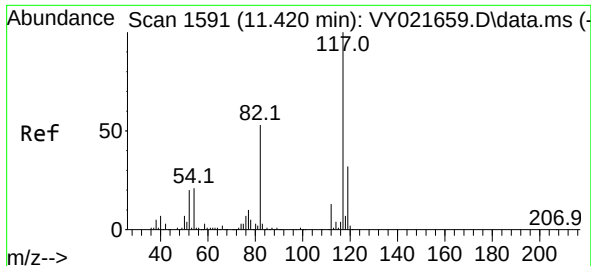
Tgt Ion: 98 Resp: 5122
Ion Ratio Lower Upper
98 100
100 70.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 14.104 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion: 95 Resp: 585
Ion Ratio Lower Upper
95 100
174 81.5 0.0 170.8
176 83.8 0.0 162.0

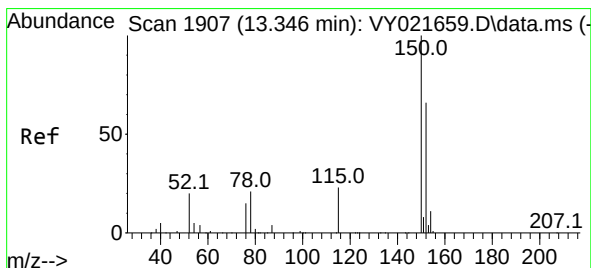
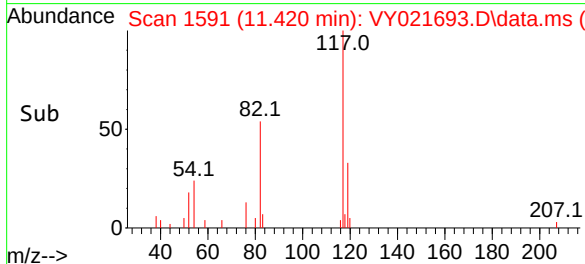
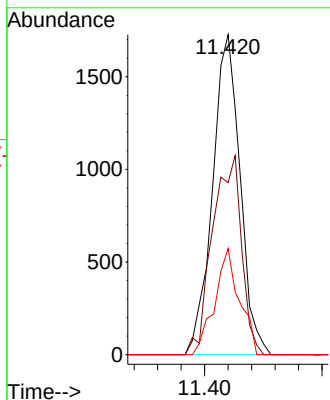
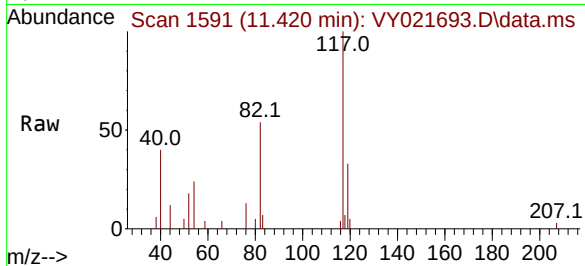




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021693.D
Acq: 28 Mar 2025 15:38

Instrument :
MSVOA_Y
ClientSampleId :
RT3407

Tgt Ion:	117	Resp:	2810
Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.8	64.2
119	33.2	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: VY021693.D
Acq: 28 Mar 2025 15:38

Tgt Ion:	152	Resp:	479
Ion	Ratio	Lower	Upper
152	100		
115	61.0	28.8	86.5
150	156.4	0.0	348.4

