

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022570.D
 Acq On : 05 Jun 2025 13:33
 Operator : SY/MD
 Sample : Q2214-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251425

Quant Time: Jun 06 01:24:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

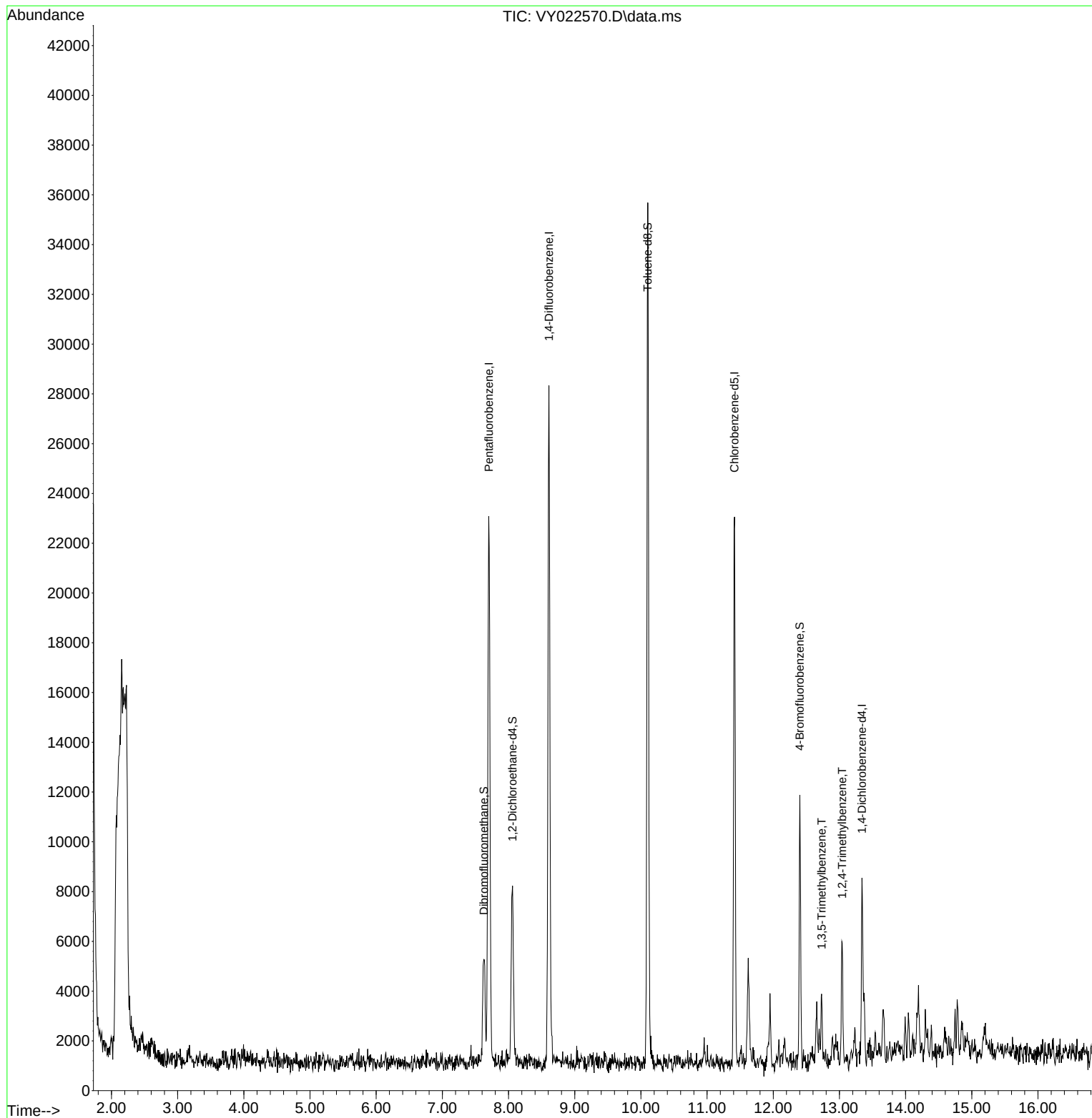
Internal Standards						
1) Pentafluorobenzene	7.701	168	15907	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	21867	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	11169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	1731	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	5351	30.077	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	60.160%
35) Dibromofluoromethane	7.628	113	3698	28.333	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	56.660%
50) Toluene-d8	10.103	98	22051	41.812	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.620%
62) 4-Bromofluorobenzene	12.402	95	2932	18.659	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.320%
Target Compounds						
80) 1,3,5-Trimethylbenzene	12.731	105	964	8.640	ug/l	91
84) 1,2,4-Trimethylbenzene	13.042	105	2818	25.253	ug/l	88

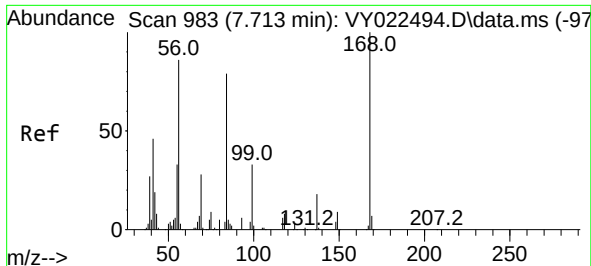
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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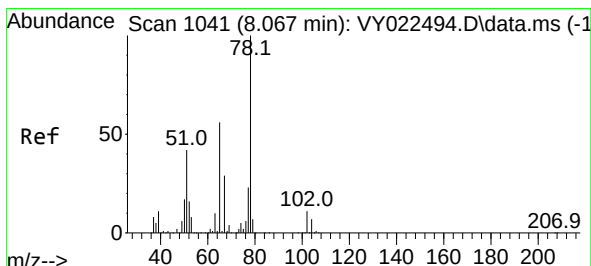
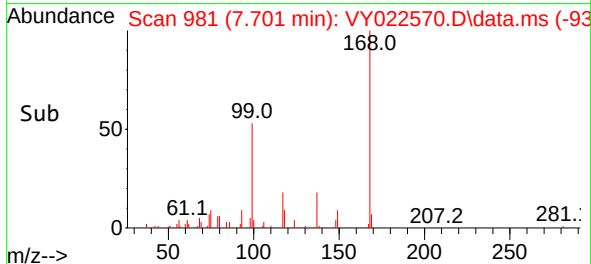
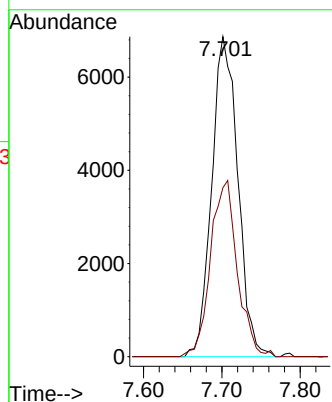
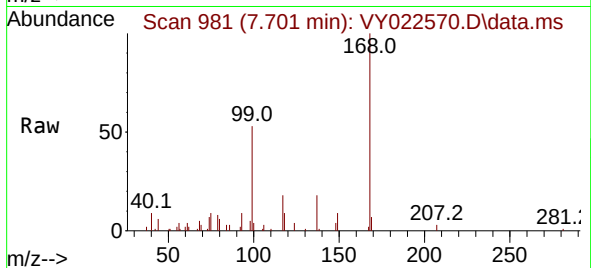




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022570.D
Acq: 05 Jun 2025 13:33

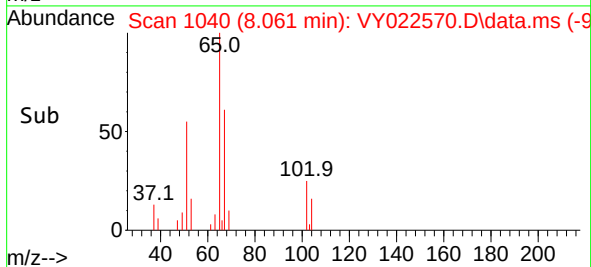
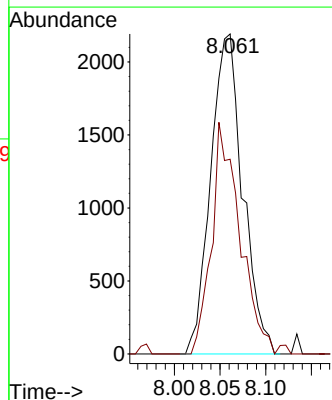
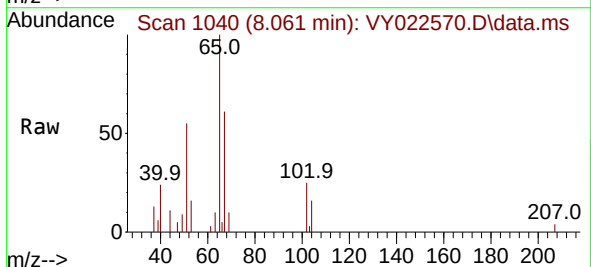
Instrument :
MSVOA_Y
ClientSampleId :
RBR251425

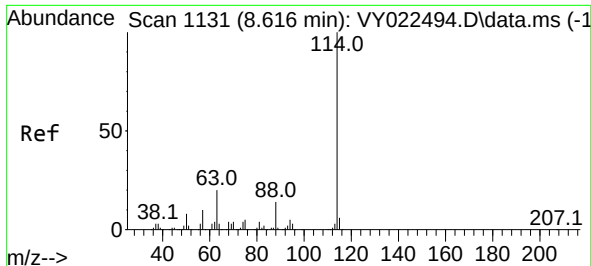
Tgt Ion:168 Resp: 15907
Ion Ratio Lower Upper
168 100
99 52.8 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 30.077 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022570.D
Acq: 05 Jun 2025 13:33

Tgt Ion: 65 Resp: 5351
Ion Ratio Lower Upper
65 100
67 64.5 0.0 103.4

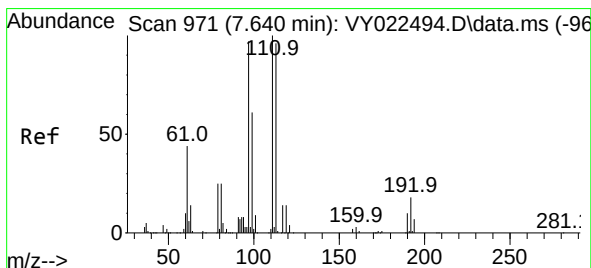
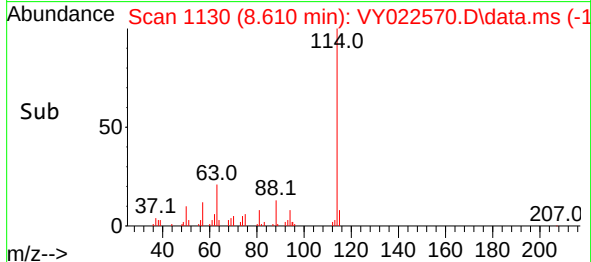
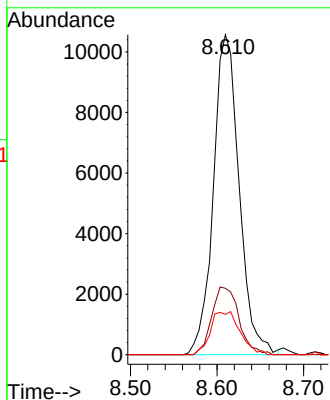
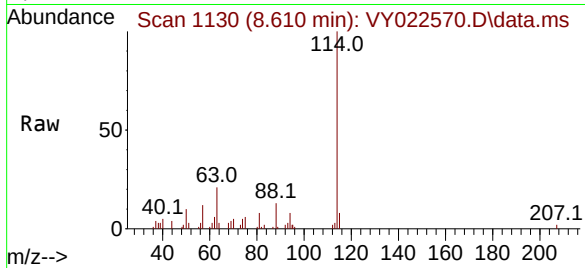




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022570.D
Acq: 05 Jun 2025 13:33

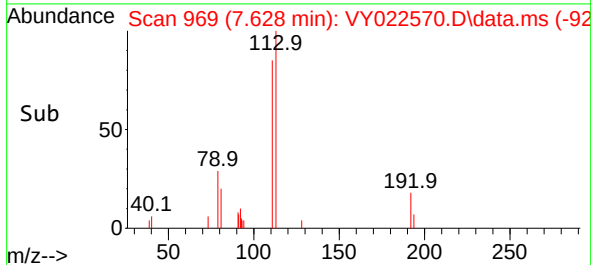
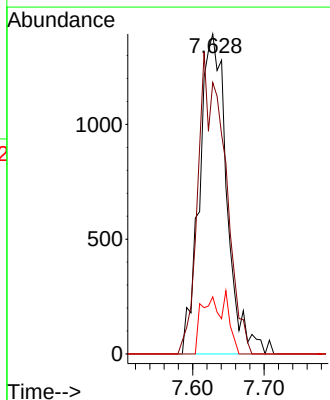
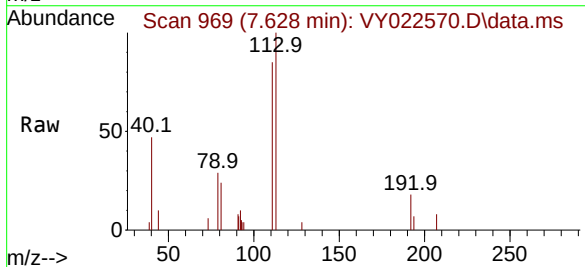
Instrument :
MSVOA_Y
ClientSampleId :
RBR251425

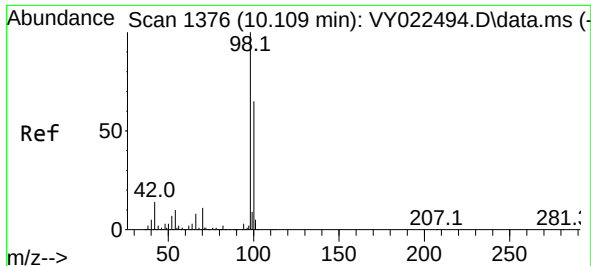
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	12.6	0.0	27.8



#35
Dibromofluoromethane
Concen: 28.333 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022570.D
Acq: 05 Jun 2025 13:33

Tgt Ion	Ratio	Lower	Upper
113	100		
111	92.8	81.1	121.7
192	12.0	14.2	21.2

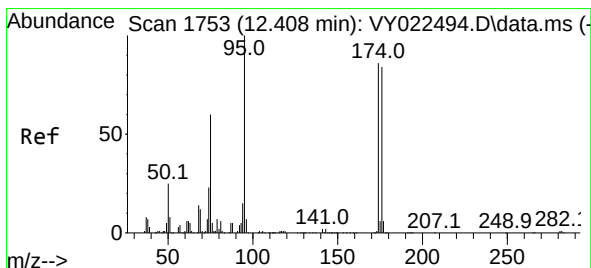
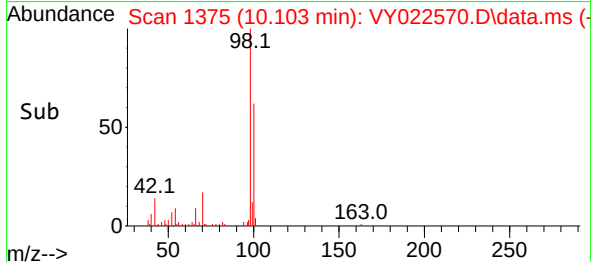
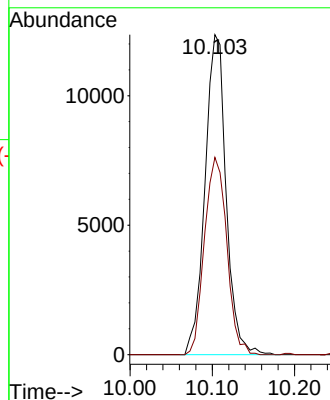
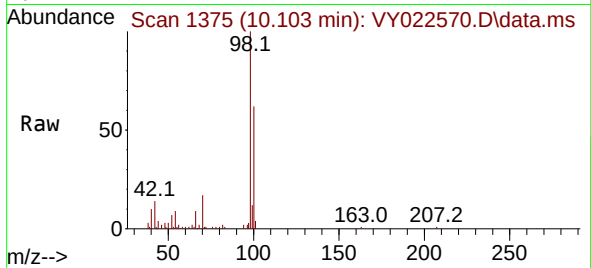




#50
Toluene-d8
Concen: 41.812 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022570.D
Acq: 05 Jun 2025 13:33

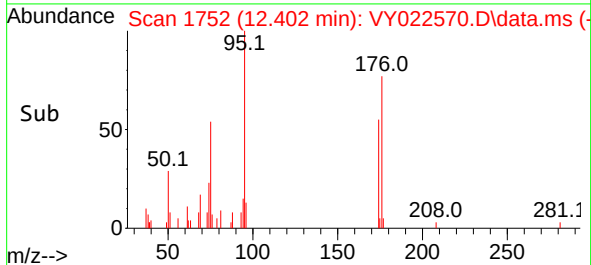
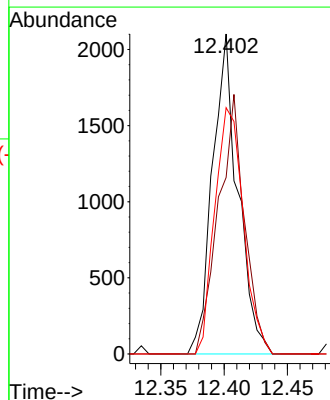
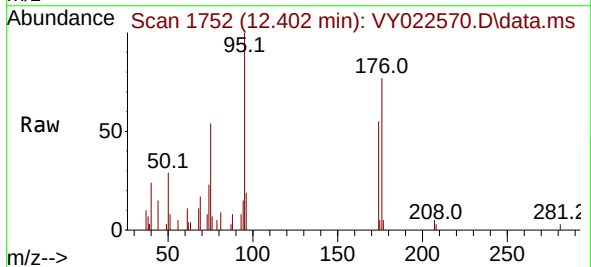
Instrument :
MSVOA_Y
ClientSampleId :
RBR251425

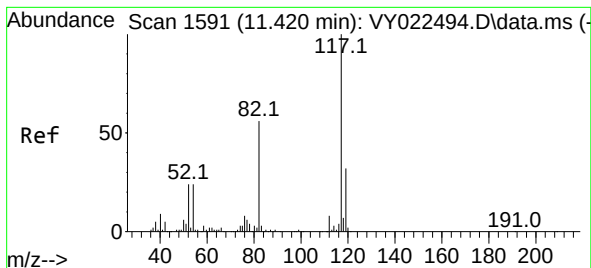
Tgt Ion: 98 Resp: 22051
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 18.659 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022570.D
Acq: 05 Jun 2025 13:33

Tgt Ion: 95 Resp: 2932
Ion Ratio Lower Upper
95 100
174 82.7 0.0 170.0
176 86.7 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11169

Delta R.T. -0.006 min

Lab File: VY022570.D

Acq: 05 Jun 2025 13:33

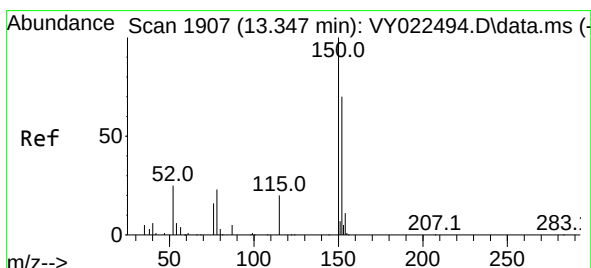
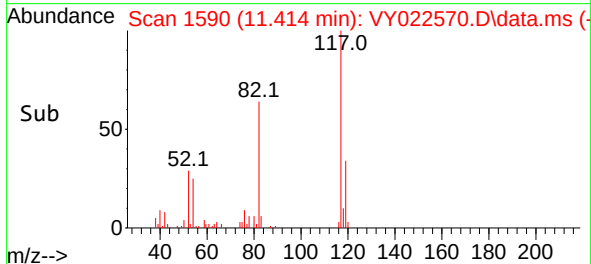
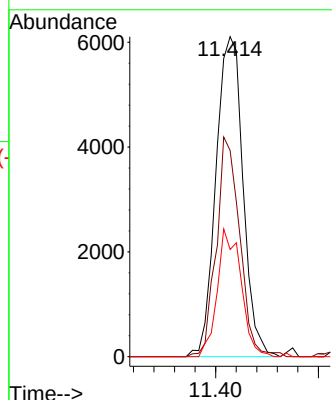
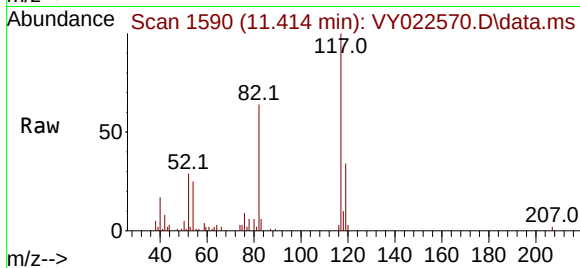
Instrument :

MSVOA_Y

ClientSampleId :

RBR251425

Tgt Ion:117	Resp:	11169
Ion	Ratio	Lower Upper
117	100	
82	64.5	44.6 66.8
119	33.5	25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

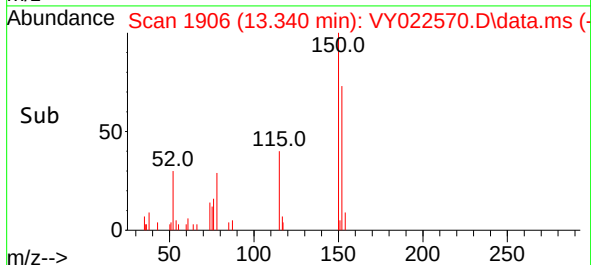
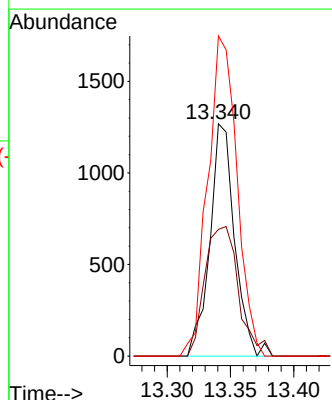
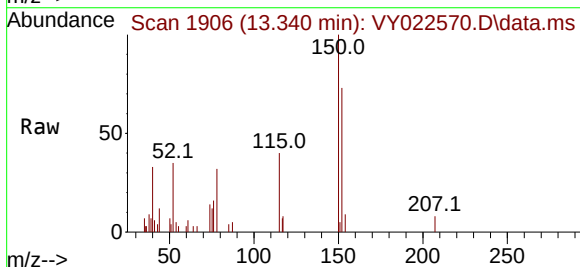
RT: 13.340 min Scan# 1906

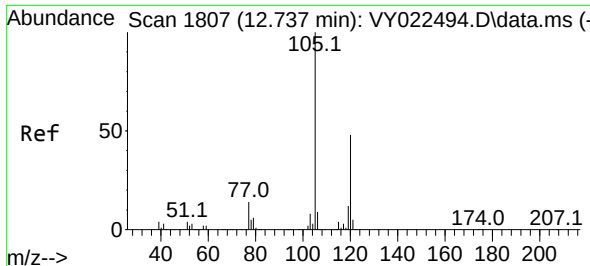
Delta R.T. -0.006 min

Lab File: VY022570.D

Acq: 05 Jun 2025 13:33

Tgt Ion:152	Resp:	1731
Ion	Ratio	Lower Upper
152	100	
115	75.5	28.9 86.7
150	162.3	0.0 349.6

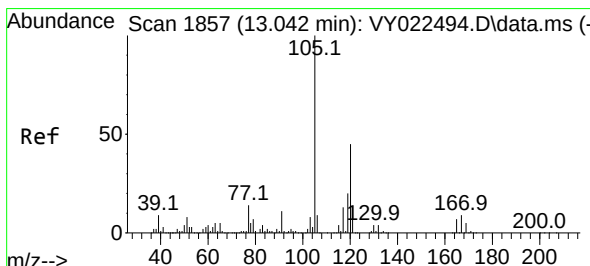
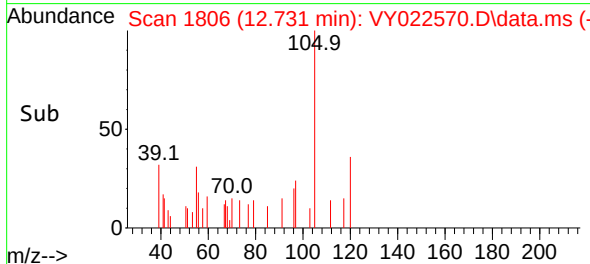
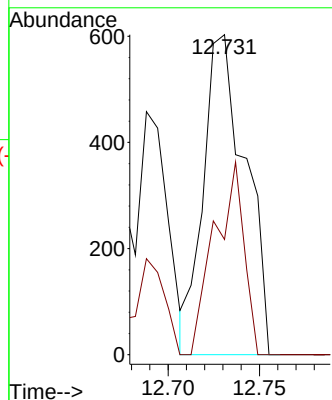
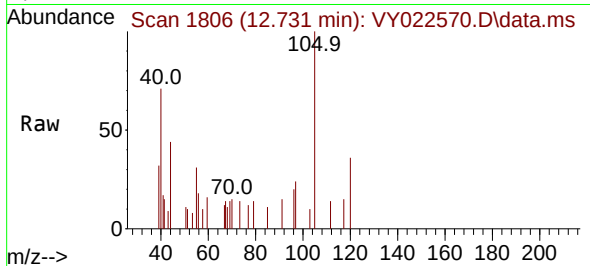




#80
 1,3,5-Trimethylbenzene
 Concen: 8.640 ug/l
 RT: 12.731 min Scan# 1806
 Delta R.T. -0.006 min
 Lab File: VY022570.D
 Acq: 05 Jun 2025 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251425

Tgt Ion:105 Resp: 964
 Ion Ratio Lower Upper
 105 100
 120 42.3 24.1 72.4



#84
 1,2,4-Trimethylbenzene
 Concen: 25.253 ug/l
 RT: 13.042 min Scan# 1857
 Delta R.T. 0.000 min
 Lab File: VY022570.D
 Acq: 05 Jun 2025 13:33

Tgt Ion:105 Resp: 2818
 Ion Ratio Lower Upper
 105 100
 120 37.4 22.7 68.1

