

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022283.D
 Acq On : 16 May 2025 12:04
 Operator : SY/MD
 Sample : Q1984-11
 Misc : 3.73g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-26-050725

Quant Time: May 17 01:31:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

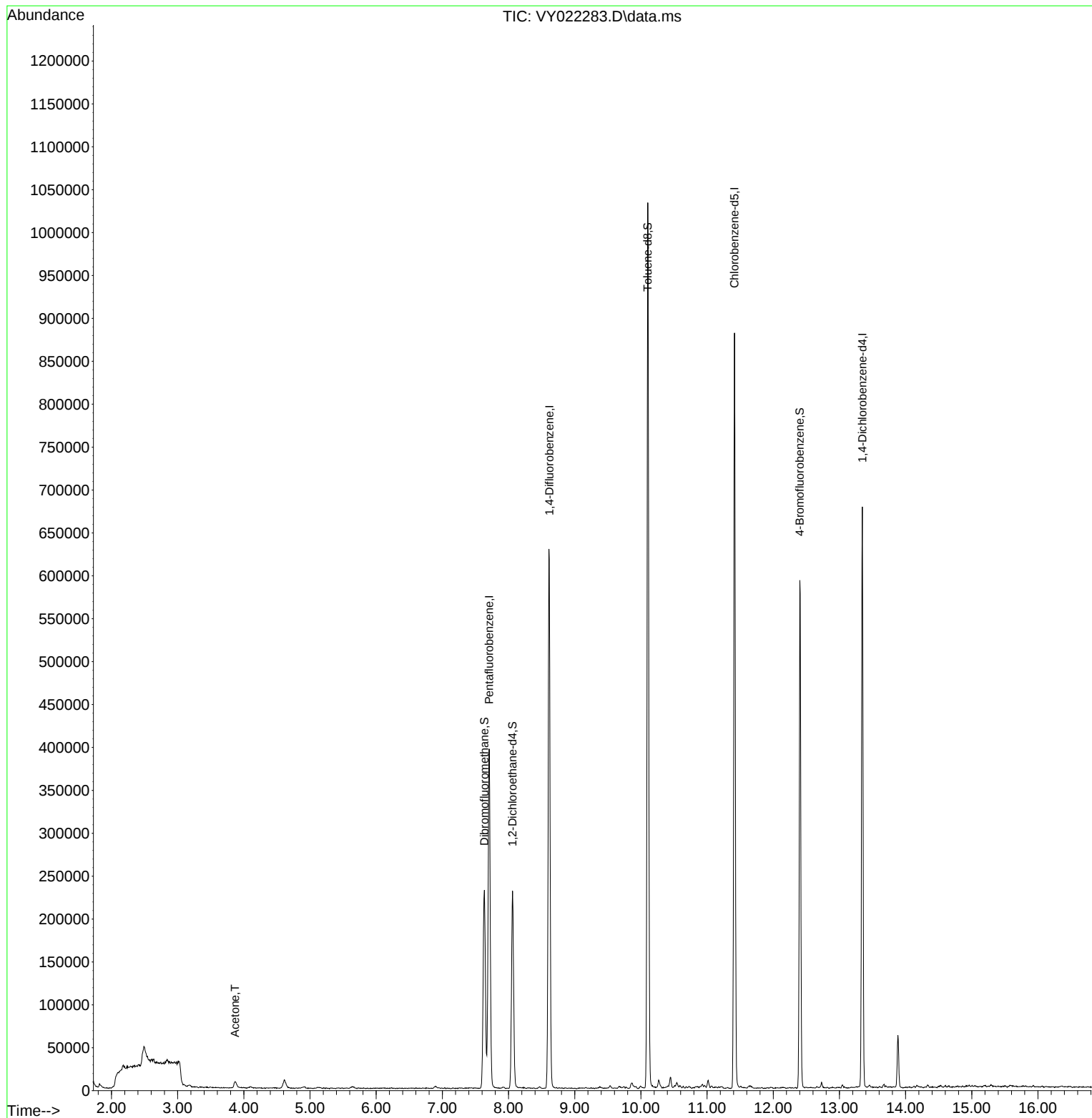
Internal Standards						
1) Pentafluorobenzene	7.707	168	289636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	518563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	423867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157695	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	170891	53.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.980%	
35) Dibromofluoromethane	7.634	113	159838	51.642	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.103	98	629825	49.686	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.380%	
62) 4-Bromofluorobenzene	12.401	95	166375	41.408	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.820%	
Target Compounds						Qvalue
16) Acetone	3.866	43	14552	24.517	ug/l	96

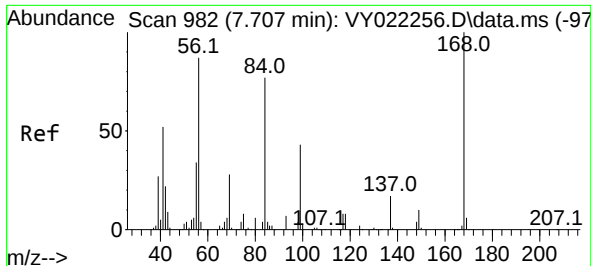
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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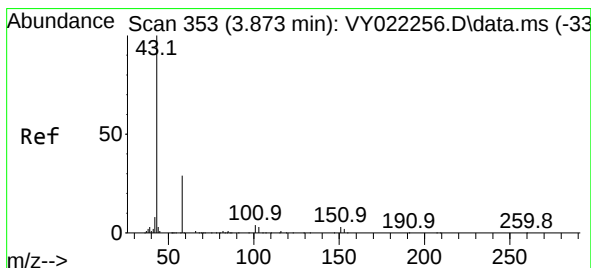
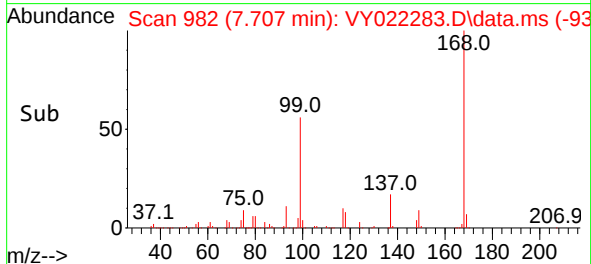
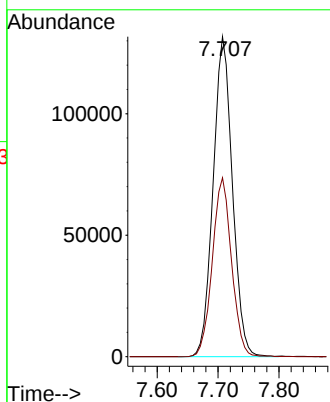
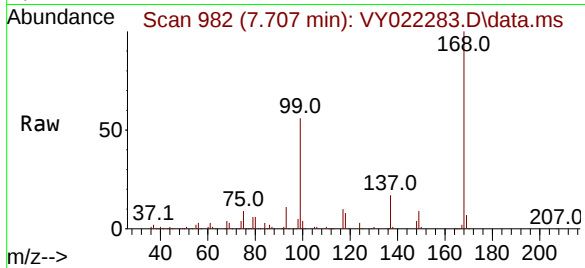




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

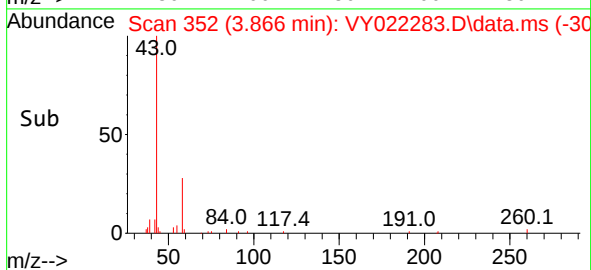
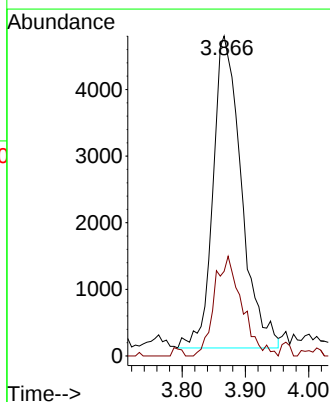
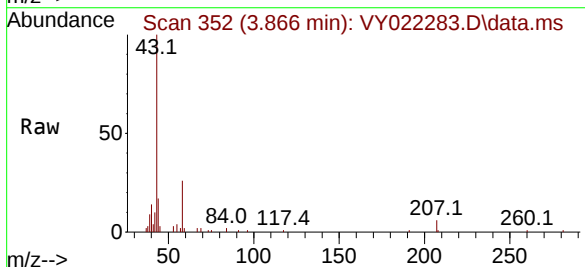
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-26-050725

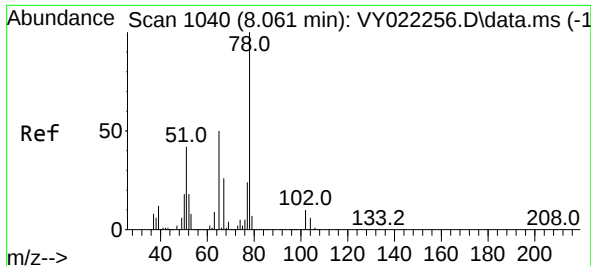
Tgt Ion:168 Resp: 289636
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#16
Acetone
Concen: 24.517 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.006 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 43 Resp: 14552
Ion Ratio Lower Upper
43 100
58 27.1 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 53.986 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VY022283.D

Acq: 16 May 2025 12:04

Instrument :

MSVOA_Y

ClientSampleId :

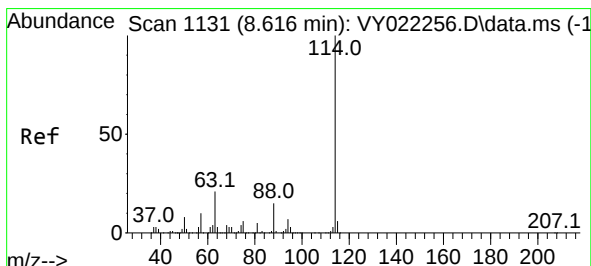
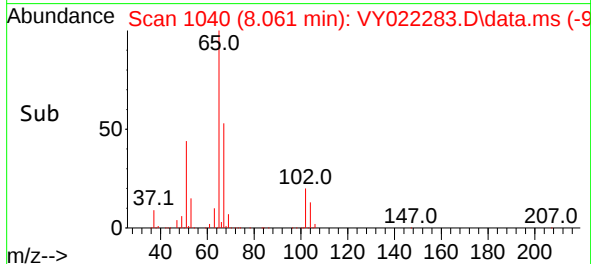
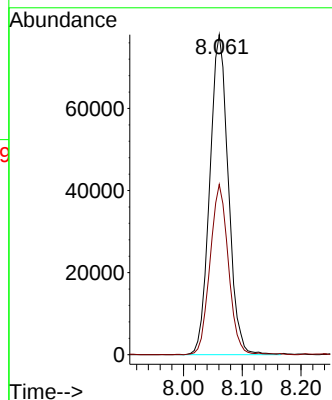
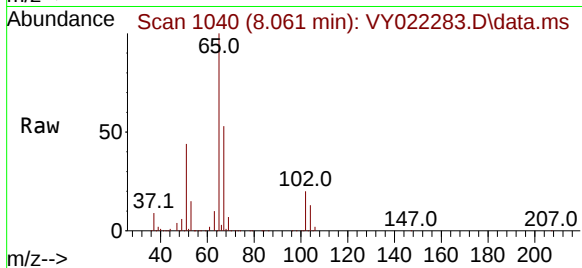
OU4-TS-26-050725

Tgt Ion: 65 Resp: 170891

Ion Ratio Lower Upper

65 100

67 52.5 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: VY022283.D

Acq: 16 May 2025 12:04

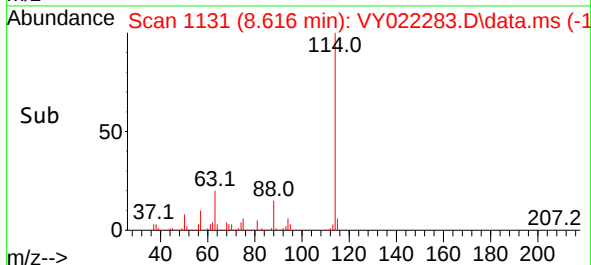
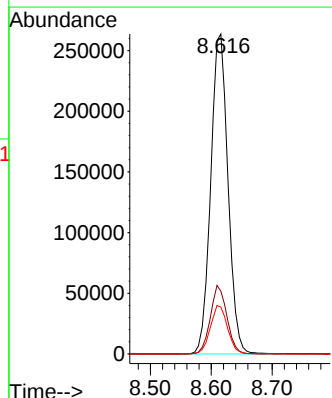
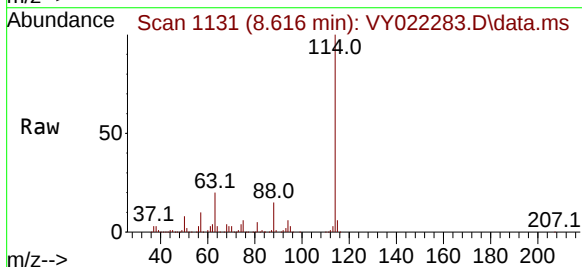
Tgt Ion: 114 Resp: 518563

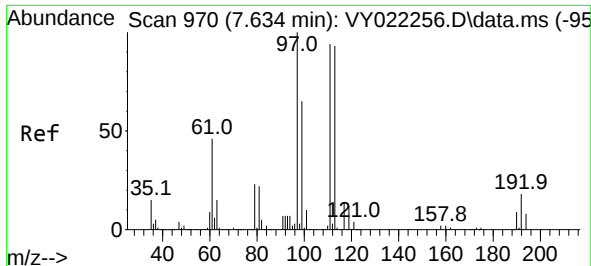
Ion Ratio Lower Upper

114 100

63 19.6 0.0 41.0

88 14.7 0.0 29.4

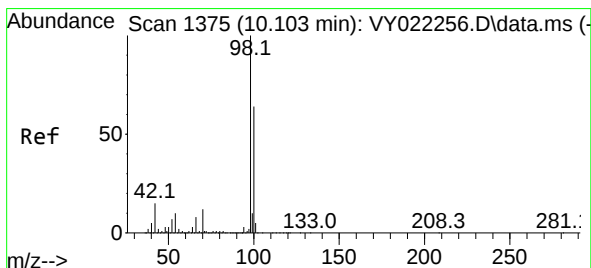
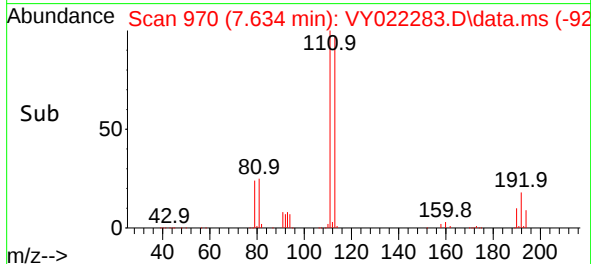
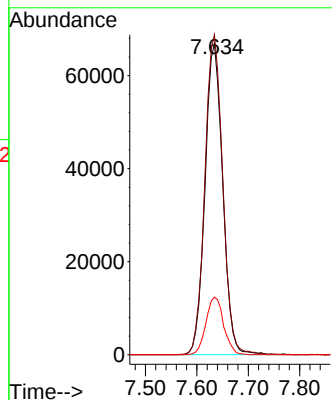
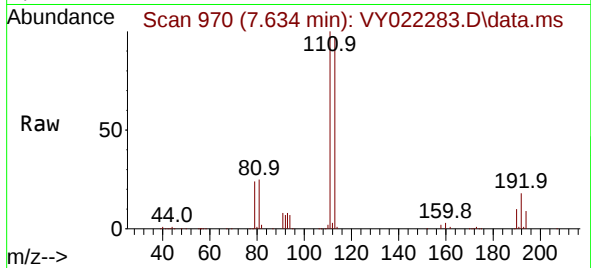




#35
Dibromofluoromethane
Concen: 51.642 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

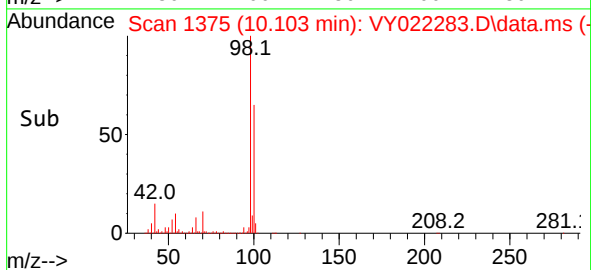
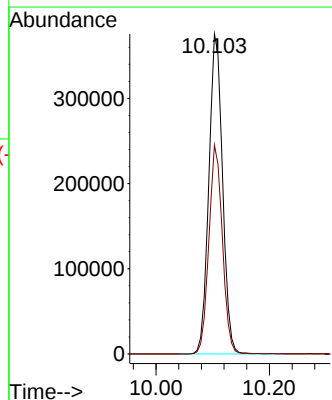
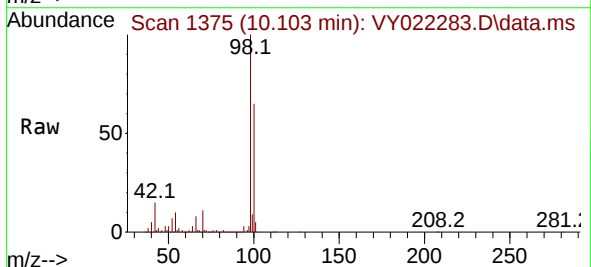
Instrument :
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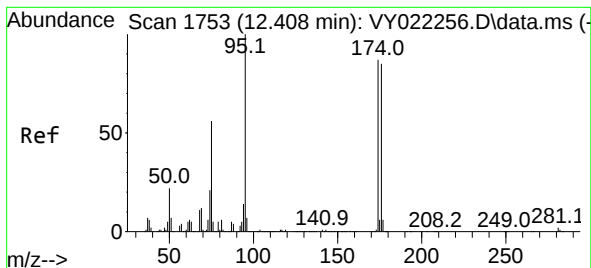
Tgt Ion:113 Resp: 159838
Ion Ratio Lower Upper
113 100
111 103.9 82.6 123.8
192 18.5 15.2 22.8



#50
Toluene-d8
Concen: 49.686 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

Tgt Ion: 98 Resp: 629825
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8

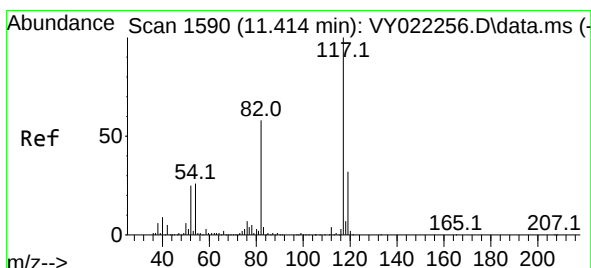
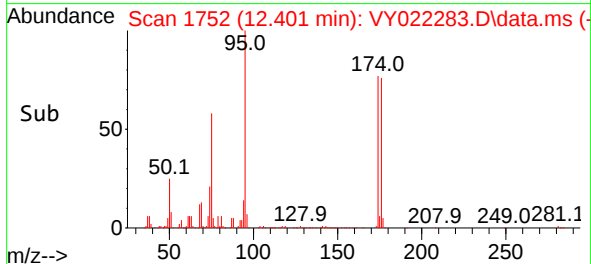
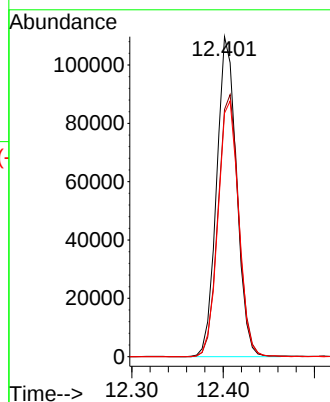
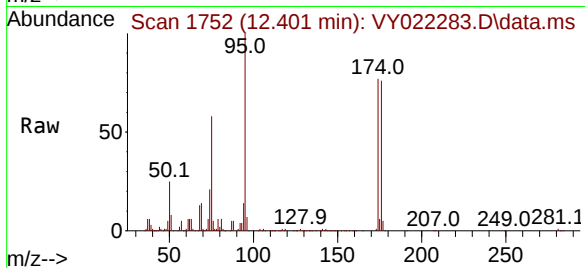




#62
4-Bromofluorobenzene
Concen: 41.408 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

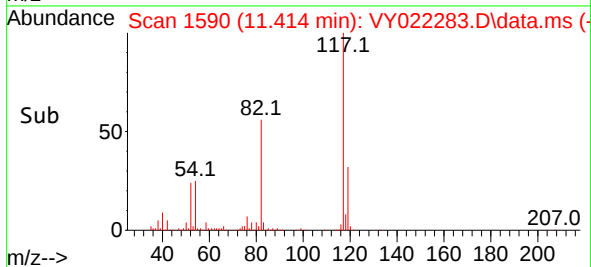
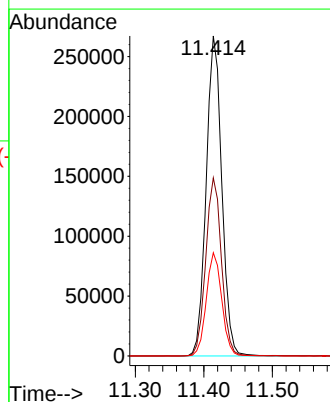
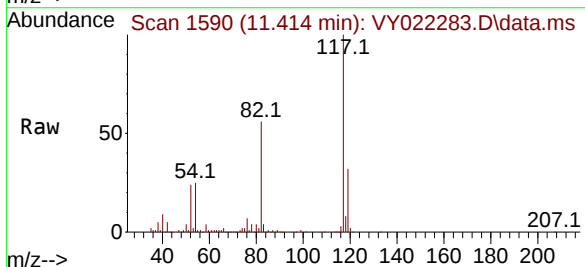
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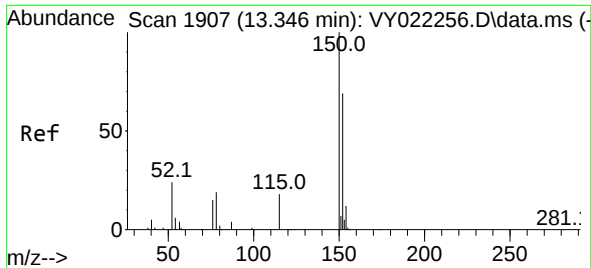
Tgt Ion: 95 Resp: 166375
Ion Ratio Lower Upper
95 100
174 85.0 0.0 166.8
176 83.0 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022283.D
Acq: 16 May 2025 12:04

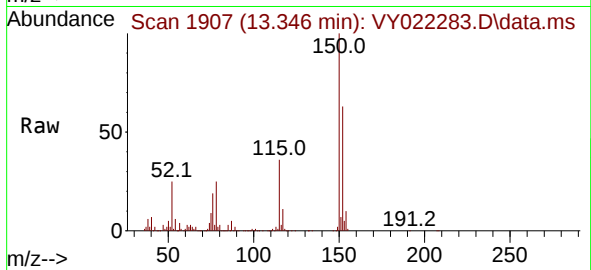
Tgt Ion: 117 Resp: 423867
Ion Ratio Lower Upper
117 100
82 55.7 46.6 70.0
119 32.3 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022283.D
 Acq: 16 May 2025 12:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-26-050725



Tgt Ion:152 Resp: 157695

Ion	Ratio	Lower	Upper
152	100		
115	56.9	29.4	88.2
150	155.5	0.0	353.8

