

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021825\
 Data File : VY021231.D
 Acq On : 18 Feb 2025 15:28
 Operator : SY/MD
 Sample : Q1384-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-021823025

Quant Time: Feb 19 04:15:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

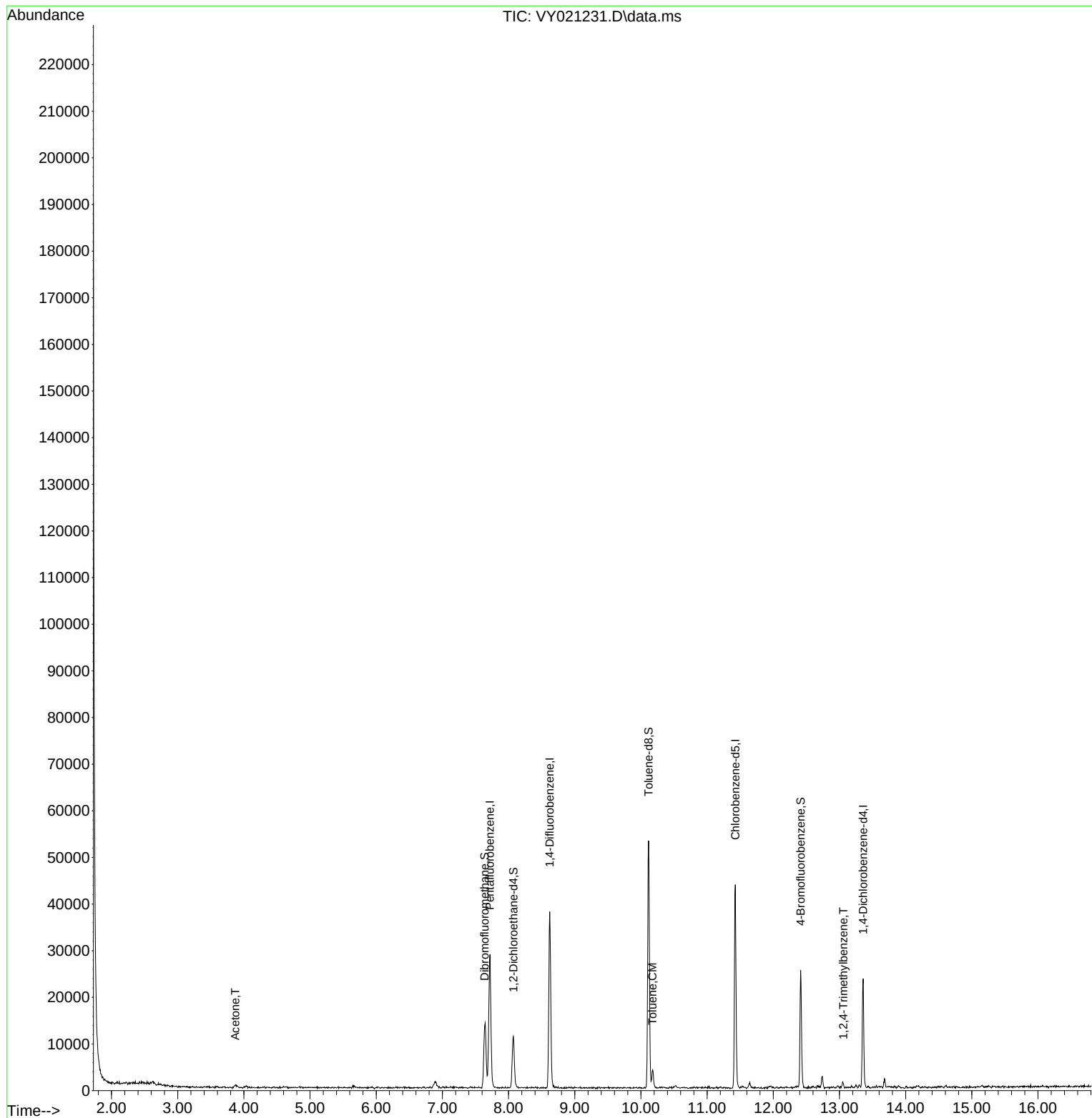
Internal Standards						
1) Pentafluorobenzene	7.719	168	21743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	31634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	23707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	5816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	9285	41.679	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.360%
35) Dibromofluoromethane	7.640	113	10397	51.284	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.560%
50) Toluene-d8	10.115	98	36452	47.229	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.413	95	7715	30.597	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.200%
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	1071	30.828	ug/l #	80
52) Toluene	10.176	92	1691	3.056	ug/l	82
84) 1,2,4-Trimethylbenzene	13.060	105	870	2.416	ug/l	89

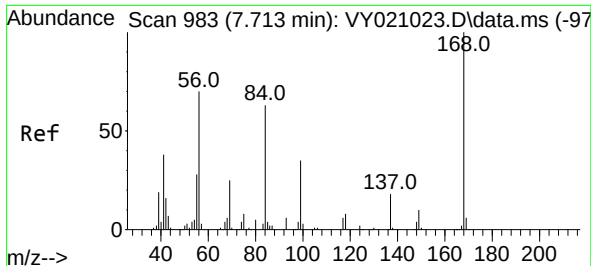
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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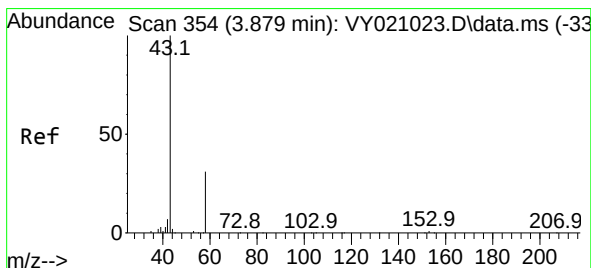
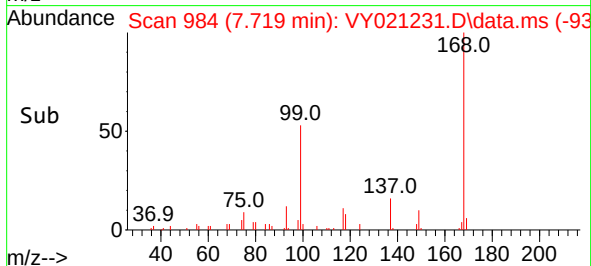
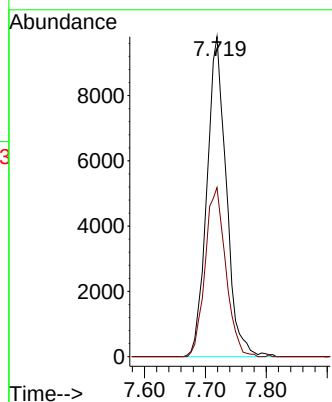
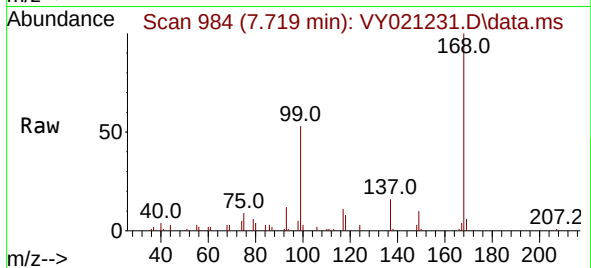




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

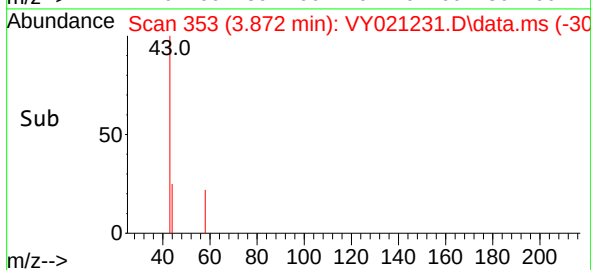
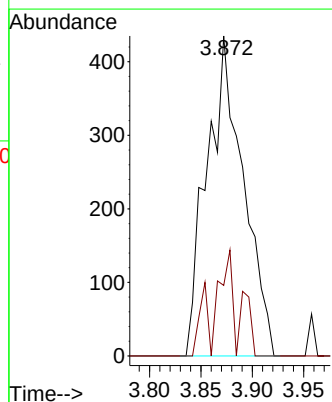
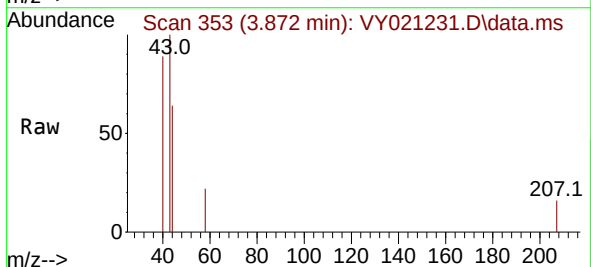
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-021823025

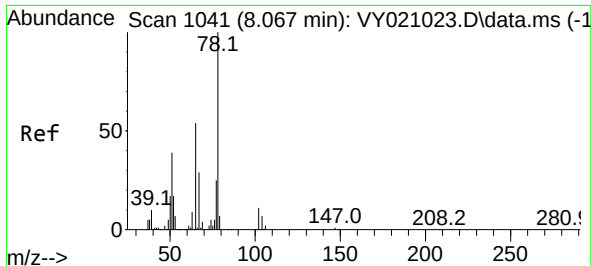
Tgt Ion:168 Resp: 21743
Ion Ratio Lower Upper
168 100
99 52.8 44.2 66.4



#16
Acetone
Concen: 30.828 ug/l
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Tgt Ion: 43 Resp: 1071
Ion Ratio Lower Upper
43 100
58 22.1 26.6 39.8#





#33

1,2-Dichloroethane-d4

Concen: 41.679 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

Instrument :

MSVOA_Y

ClientSampleId :

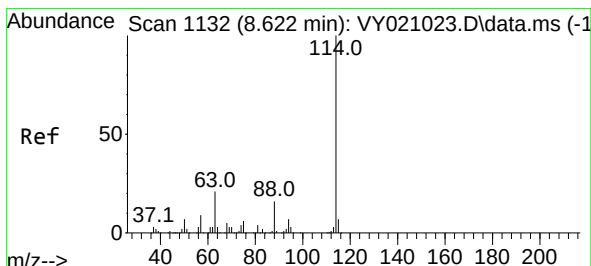
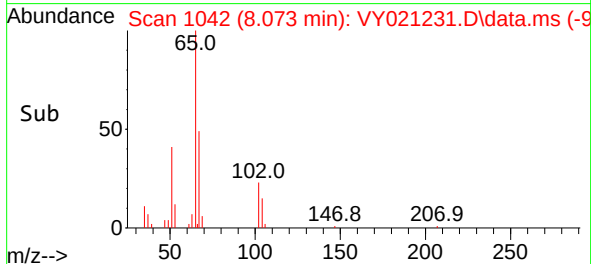
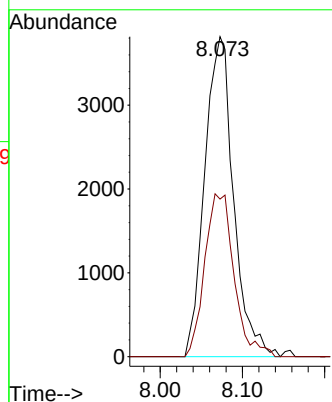
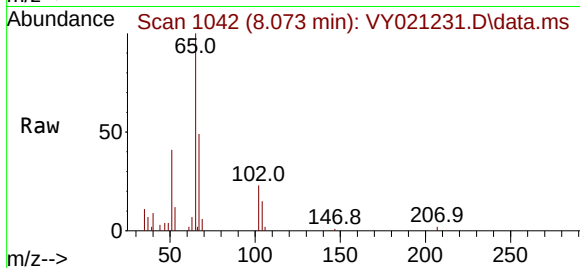
OR-03-021823025

Tgt Ion: 65 Resp: 9285

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021231.D

Acq: 18 Feb 2025 15:28

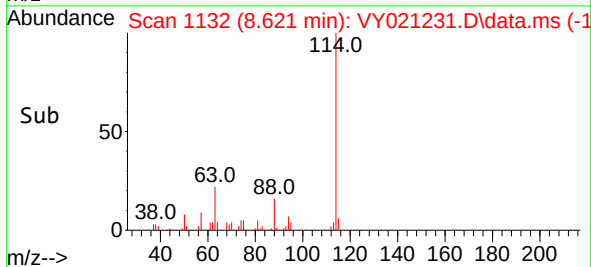
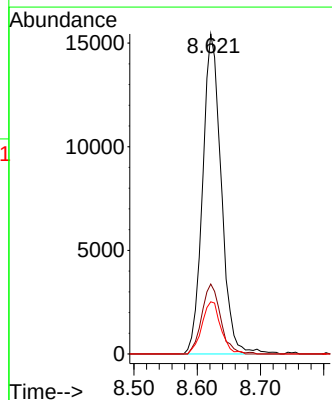
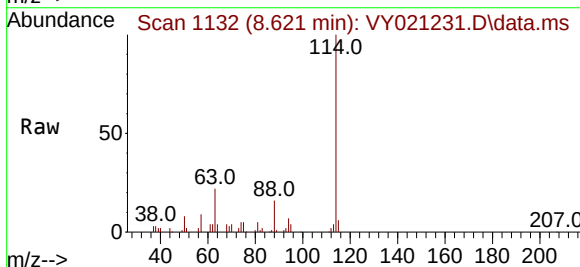
Tgt Ion: 114 Resp: 31634

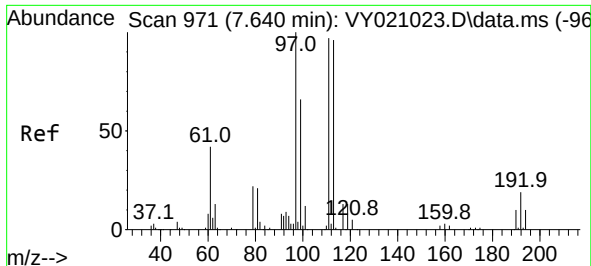
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.4

88 16.3 0.0 29.0

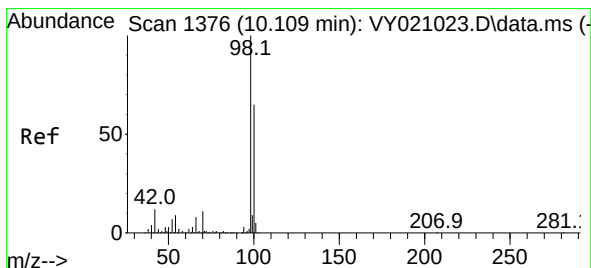
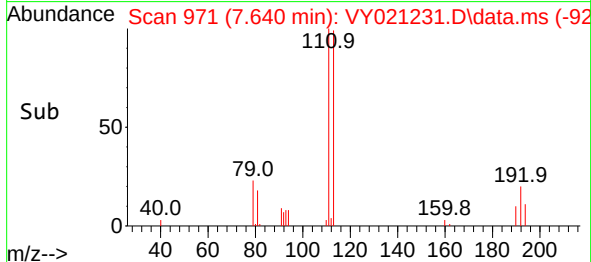
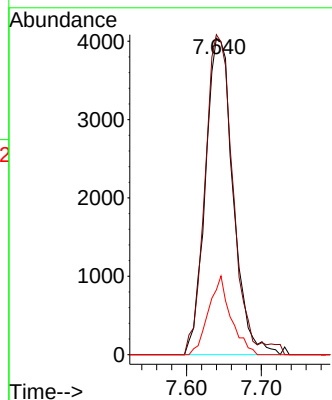
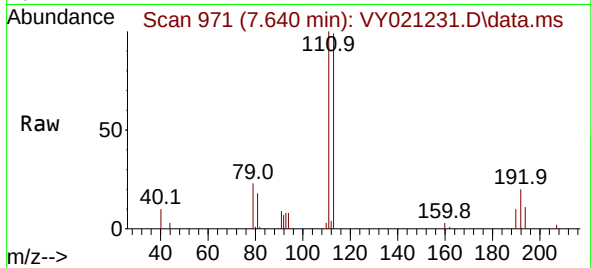




#35
Dibromofluoromethane
Concen: 51.284 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

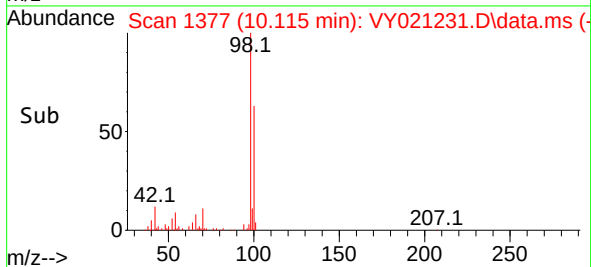
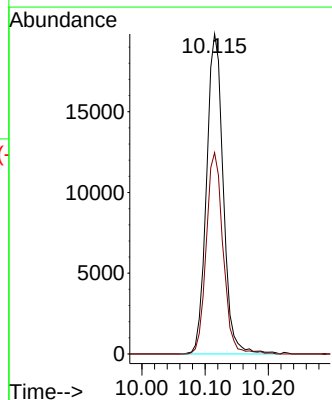
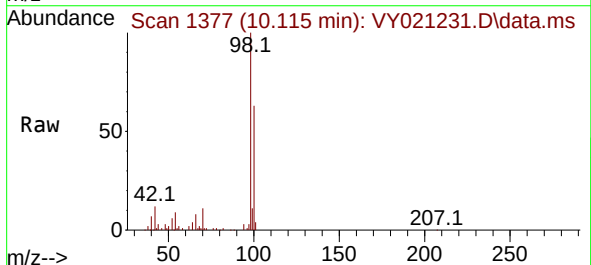
Instrument :
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ClientSampleId :
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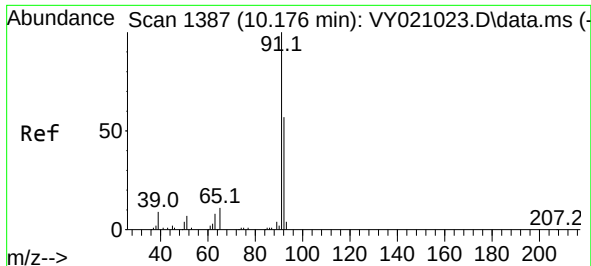
Tgt Ion:113 Resp: 10397
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.6
192 20.0 14.5 21.7



#50
Toluene-d8
Concen: 47.229 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Tgt Ion: 98 Resp: 36452
Ion Ratio Lower Upper
98 100
100 63.3 52.3 78.5

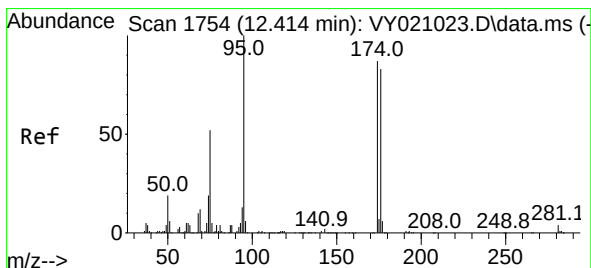
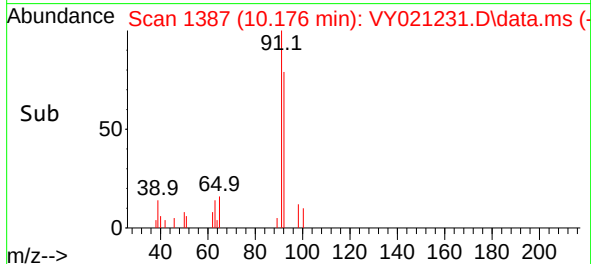
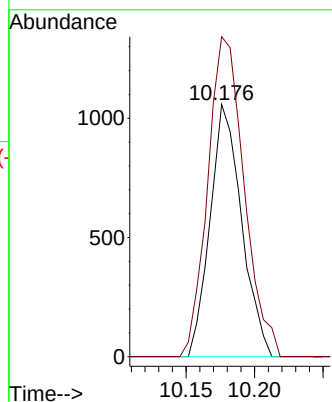
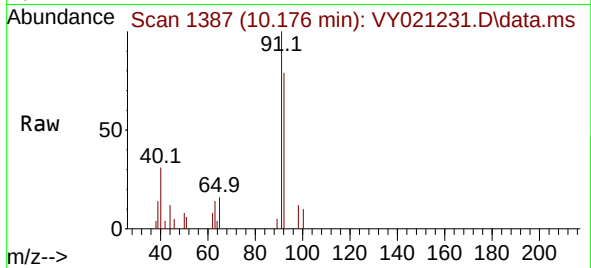




#52
Toluene
Concen: 3.056 ug/l
RT: 10.176 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

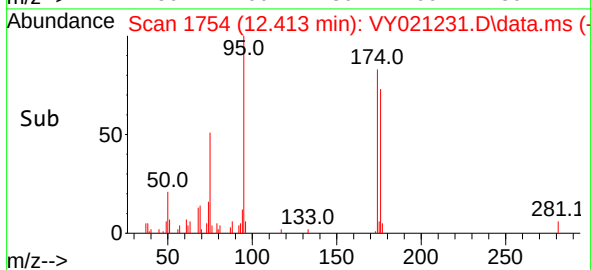
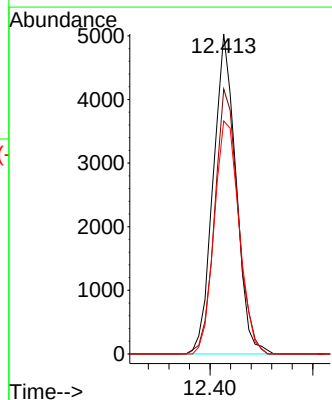
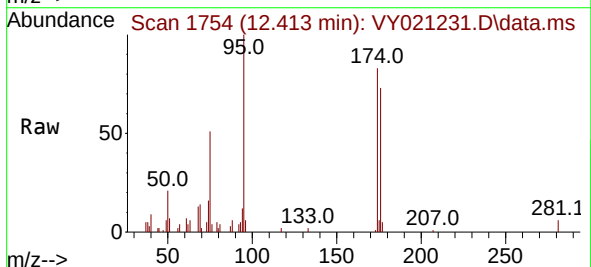
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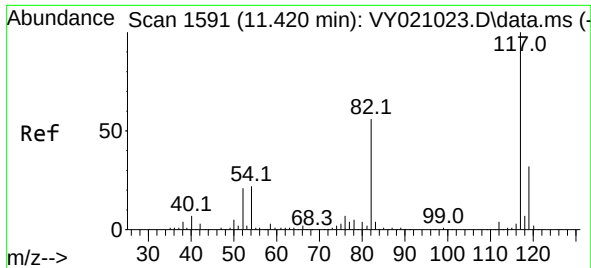
Tgt Ion: 92 Resp: 1691
Ion Ratio Lower Upper
92 100
91 146.7 137.6 206.4



#62
4-Bromofluorobenzene
Concen: 30.597 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Tgt Ion: 95 Resp: 7715
Ion Ratio Lower Upper
95 100
174 85.1 0.0 160.0
176 79.7 0.0 151.8

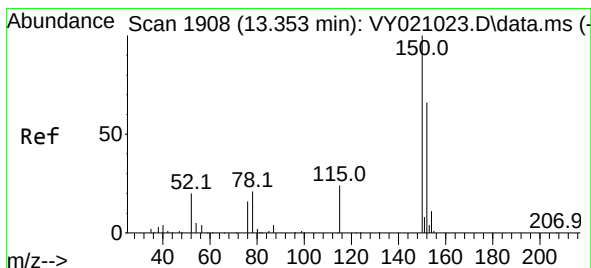
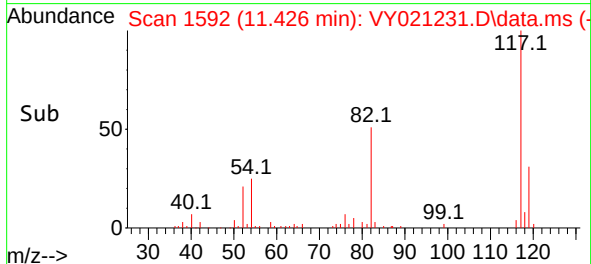
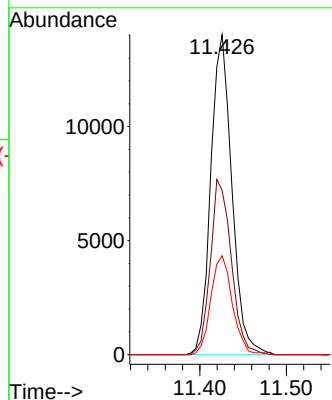
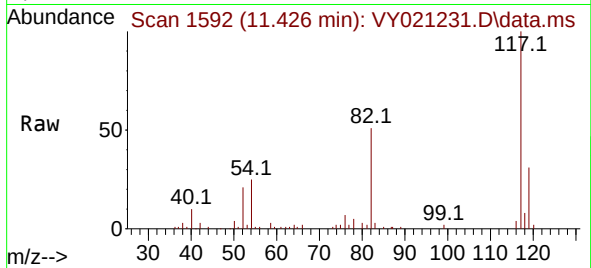




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

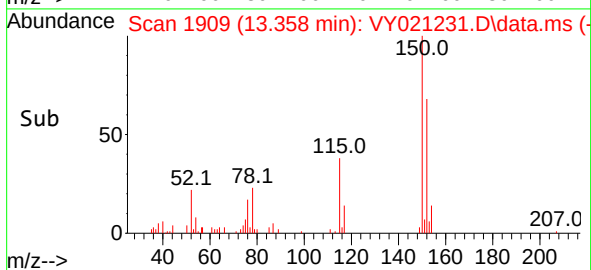
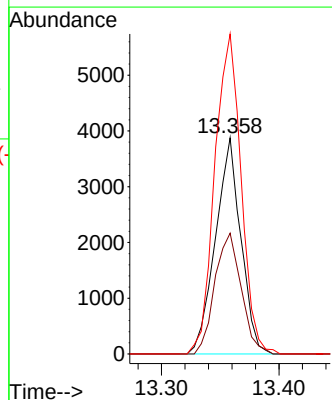
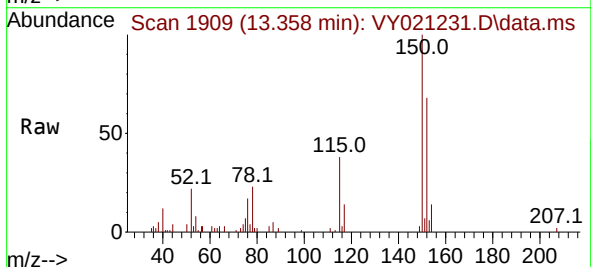
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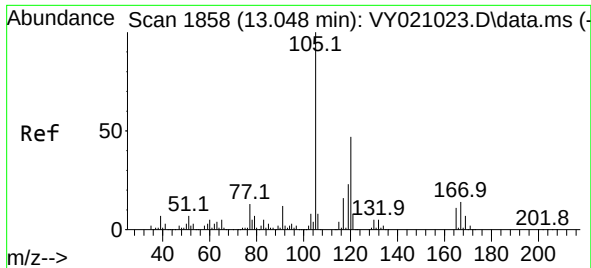
Tgt Ion:117 Resp: 23707
Ion Ratio Lower Upper
117 100
82 51.3 43.8 65.8
119 30.9 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.358 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Tgt Ion:152 Resp: 5816
Ion Ratio Lower Upper
152 100
115 58.0 30.0 90.0
150 153.5 0.0 344.6





#84
1,2,4-Trimethylbenzene
Concen: 2.416 ug/l
RT: 13.060 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY021231.D
Acq: 18 Feb 2025 15:28

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-021823025

Tgt Ion:105 Resp: 870
Ion Ratio Lower Upper
105 100
120 51.0 22.1 66.3

