

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022402.D
 Acq On : 22 May 2025 17:40
 Operator : SY/MD
 Sample : Q2109-03
 Misc : 6.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-02-MHF-VOC

Quant Time: May 23 03:40:58 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)

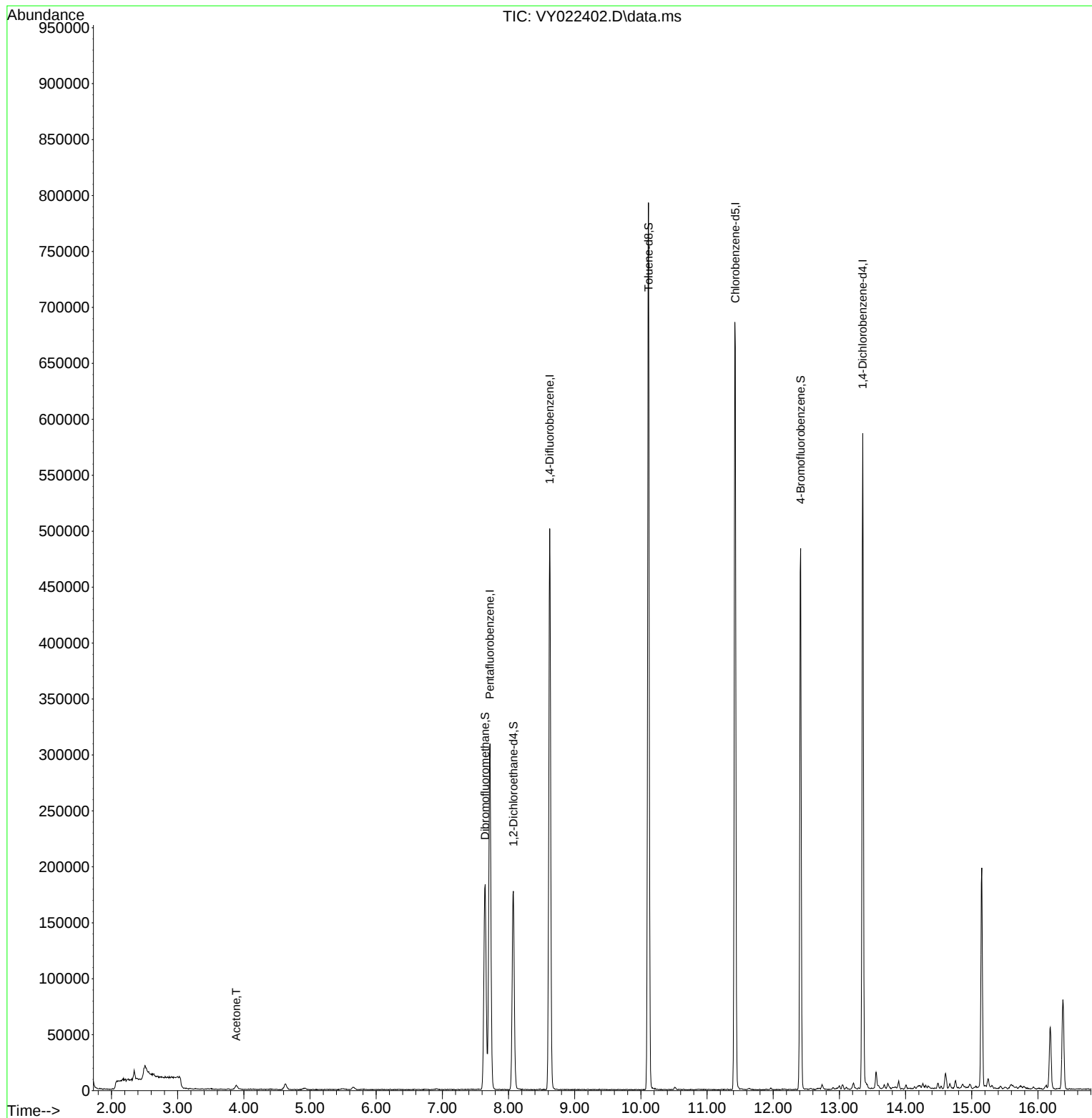
Internal Standards						
1) Pentafluorobenzene	7.719	168	234866	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	419294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	346062	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.353	152	130972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	134504	52.400	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.800%	
35) Dibromofluoromethane	7.646	113	128647	51.405	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.820%	
50) Toluene-d8	10.115	98	500002	48.783	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.560%	
62) 4-Bromofluorobenzene	12.414	95	131799	40.569	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.140%	
Target Compounds						Qvalue
16) Acetone	3.885	43	6821	14.172	ug/l	92

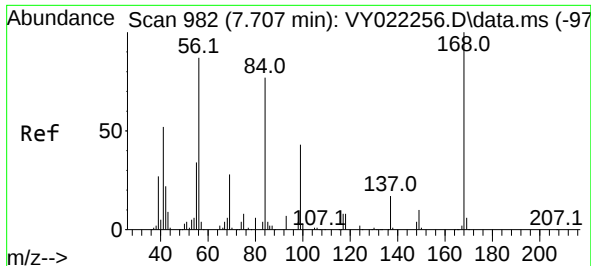
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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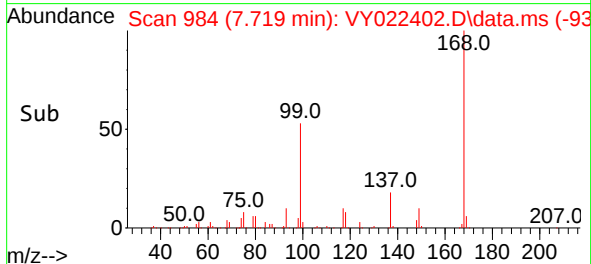
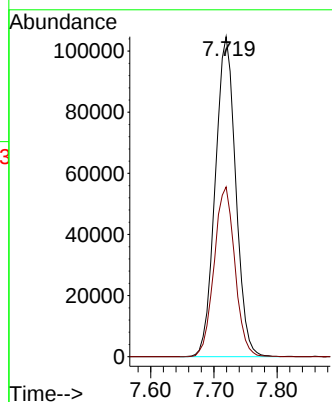
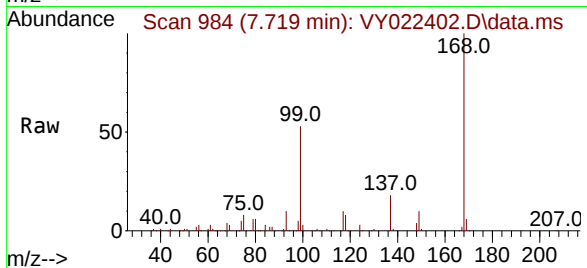




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

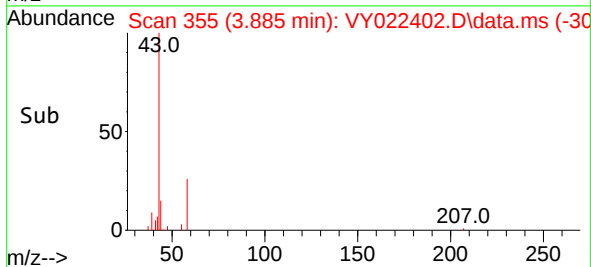
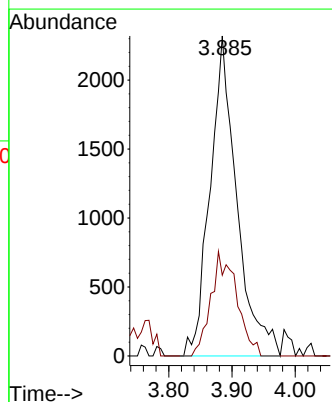
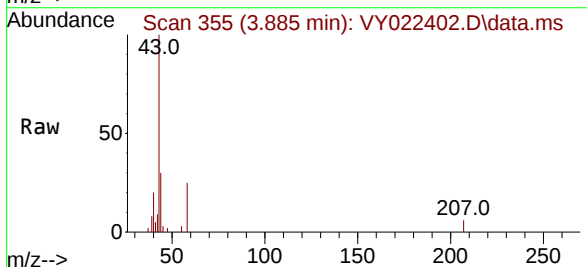
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

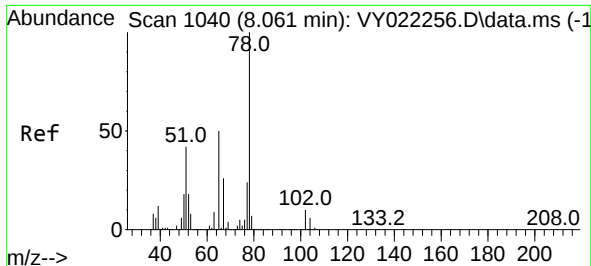
Tgt Ion:168 Resp: 234866
Ion Ratio Lower Upper
168 100
99 53.0 44.2 66.4



#16
Acetone
Concen: 14.172 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 43 Resp: 6821
Ion Ratio Lower Upper
43 100
58 25.2 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 52.400 ug/l

RT: 8.073 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY022402.D

Acq: 22 May 2025 17:40

Instrument :

MSVOA_Y

ClientSampleId :

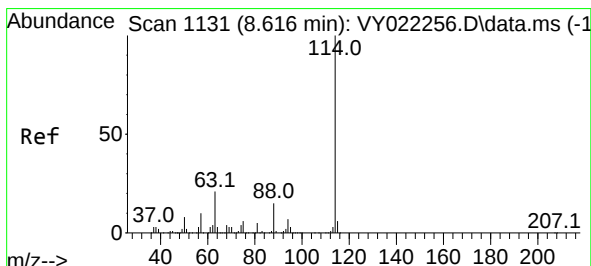
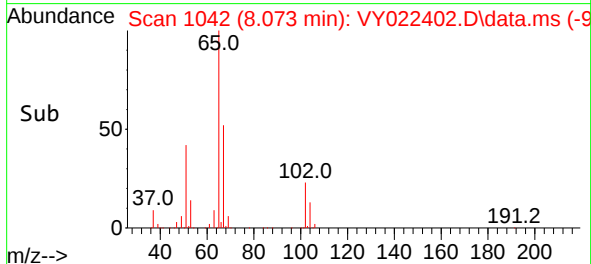
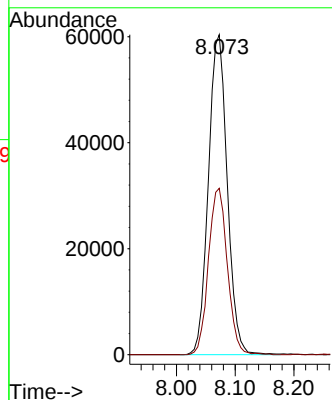
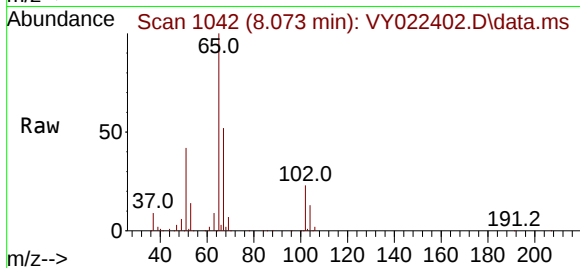
TP-02-MHF-VOC

Tgt Ion: 65 Resp: 134504

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022402.D

Acq: 22 May 2025 17:40

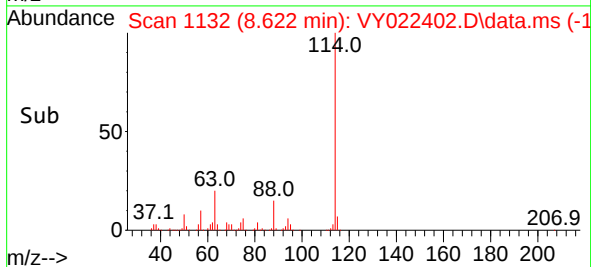
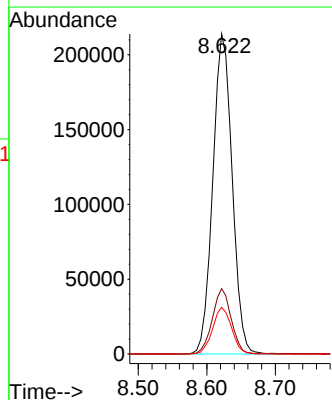
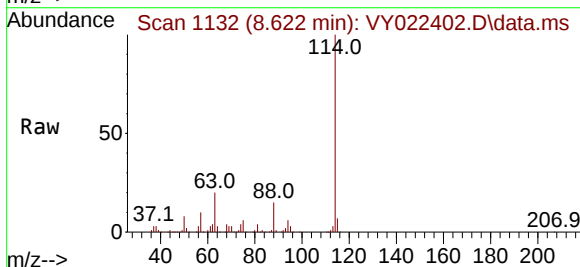
Tgt Ion:114 Resp: 419294

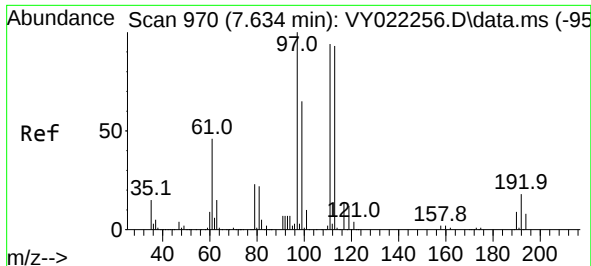
Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 14.6 0.0 29.4

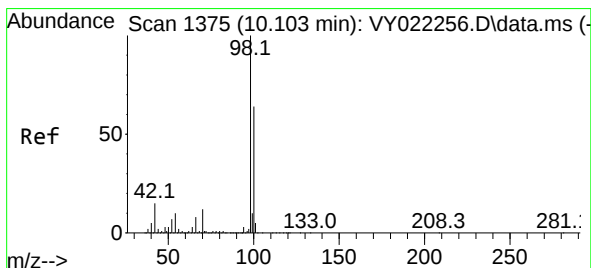
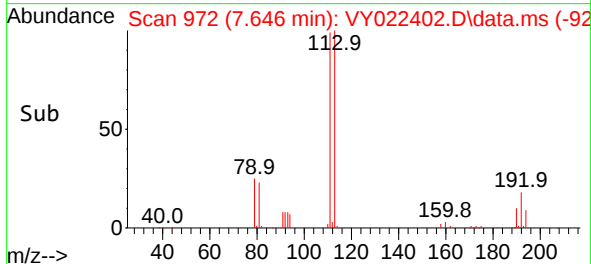
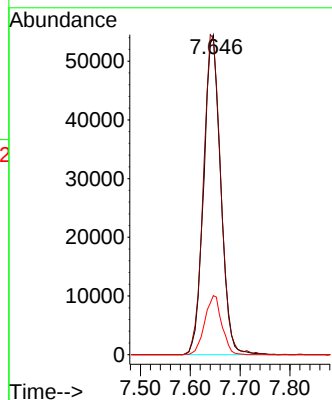
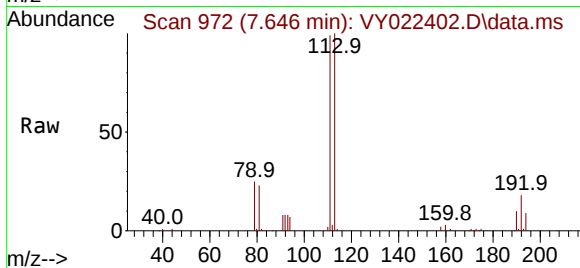




#35
Dibromofluoromethane
Concen: 51.405 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

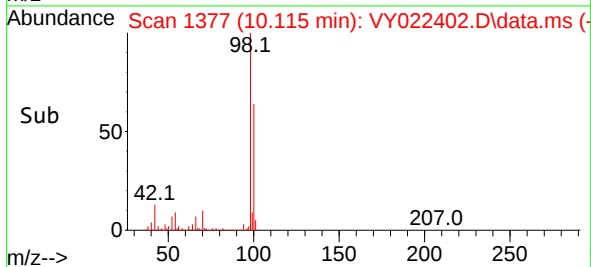
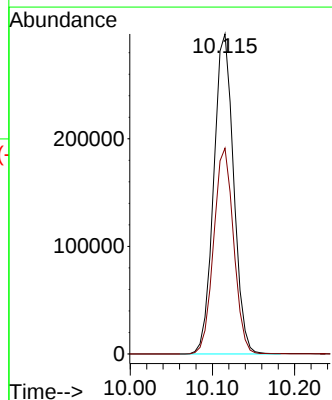
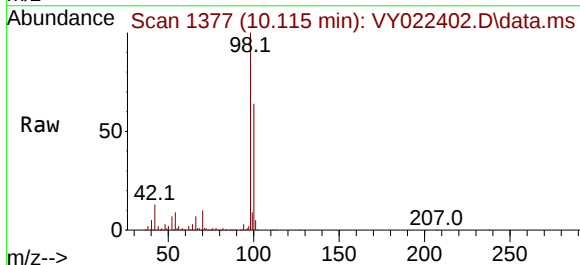
Instrument :
MSVOA_Y
ClientSampleId :
TP-02-MHF-VOC

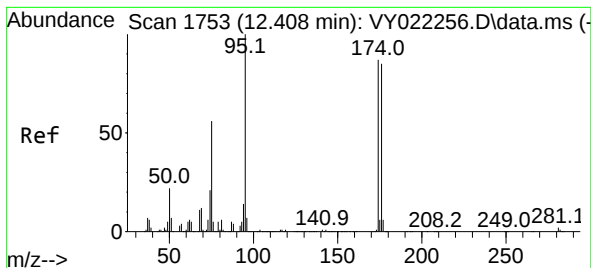
Tgt Ion:113 Resp: 128647
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 18.5 15.2 22.8



#50
Toluene-d8
Concen: 48.783 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 98 Resp: 500002
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8

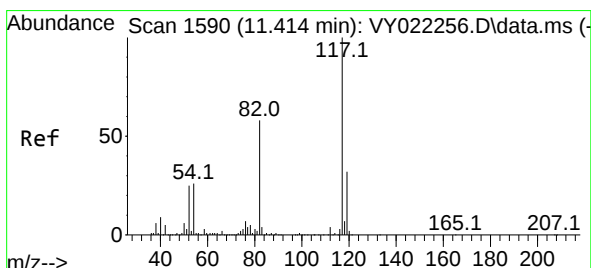
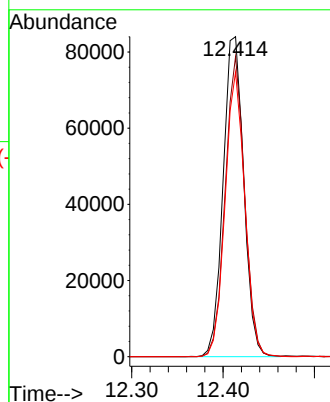
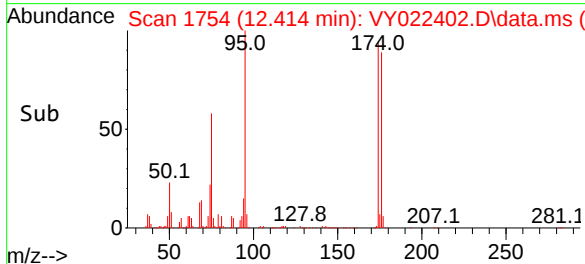
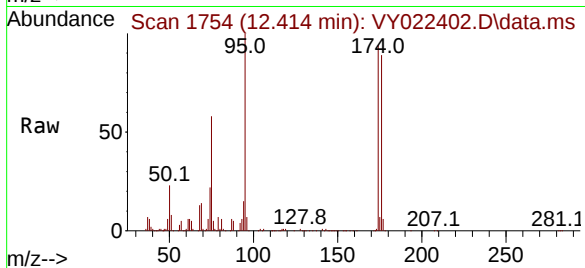




#62
4-Bromofluorobenzene
Concen: 40.569 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

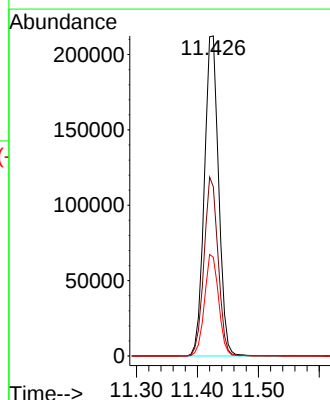
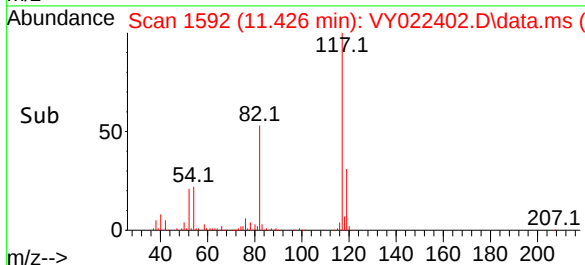
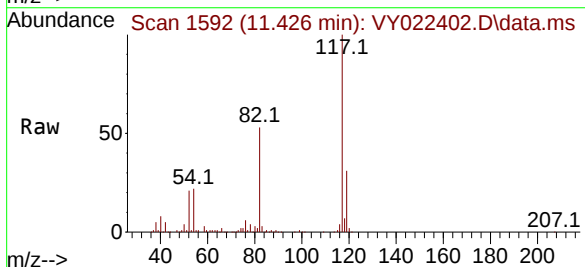
Instrument :
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ClientSampleId :
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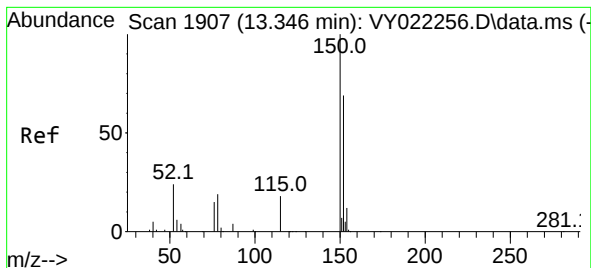
Tgt Ion: 95 Resp: 131799
Ion Ratio Lower Upper
95 100
174 89.0 0.0 166.8
176 84.9 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.012 min
Lab File: VY022402.D
Acq: 22 May 2025 17:40

Tgt Ion: 117 Resp: 346062
Ion Ratio Lower Upper
117 100
82 52.8 46.6 70.0
119 30.8 25.8 38.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY022402.D
 Acq: 22 May 2025 17:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-02-MHF-VOC

Tgt Ion:152 Resp: 130972
 Ion Ratio Lower Upper
 152 100
 115 58.3 29.4 88.2
 150 160.3 0.0 353.8

