

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022555.D
 Acq On : 04 Jun 2025 16:58
 Operator : SY/MD
 Sample : Q2177-04
 Misc : 6.37g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-187-SB02

Quant Time: Jun 05 04:18:40 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)

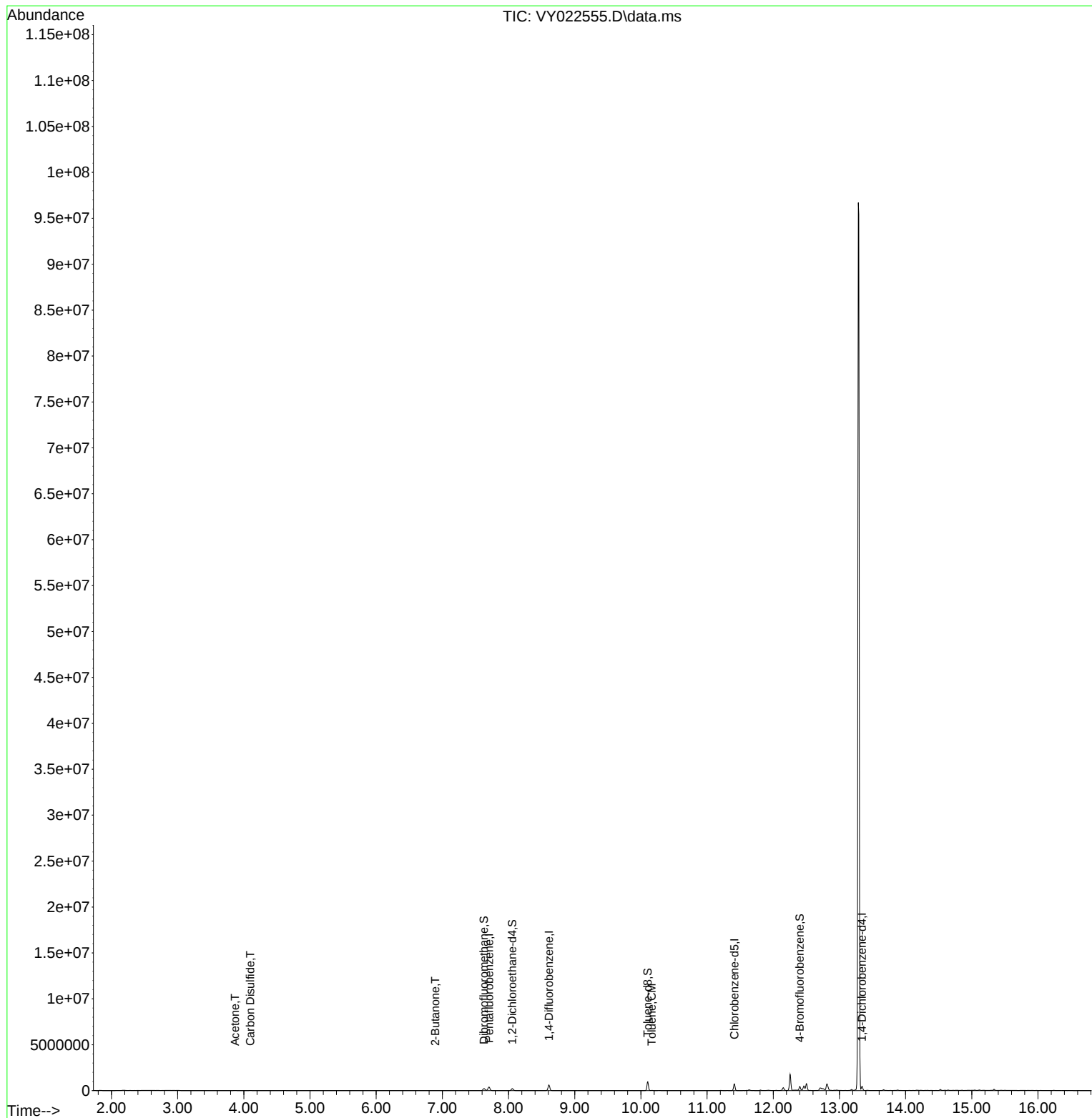
Internal Standards						
1) Pentafluorobenzene	7.707	168	280753	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	497958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	360175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	103121	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	163448	52.052	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.100%	
35) Dibromofluoromethane	7.628	113	154902	52.117	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.240%	
50) Toluene-d8	10.103	98	596438	49.663	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.320%	
62) 4-Bromofluorobenzene	12.401	95	118458	33.105	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.200%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	33897	53.155	ug/l	97
17) Carbon Disulfide	4.098	76	24493	2.598	ug/l	98
25) 2-Butanone	6.890	43	8145	8.855	ug/l	# 82
52) Toluene	10.164	92	10437	1.166	ug/l	99

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

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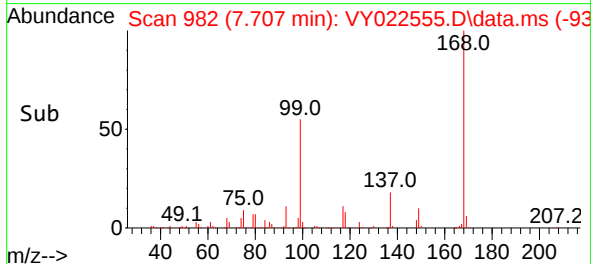
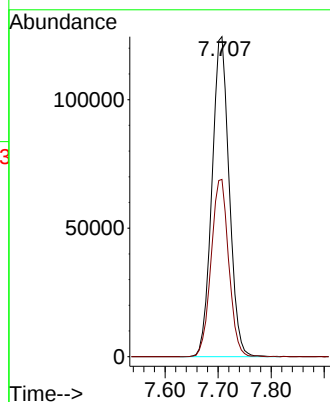
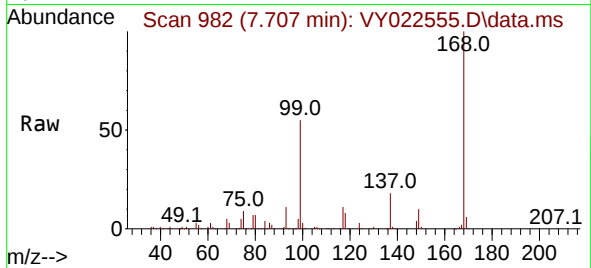




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

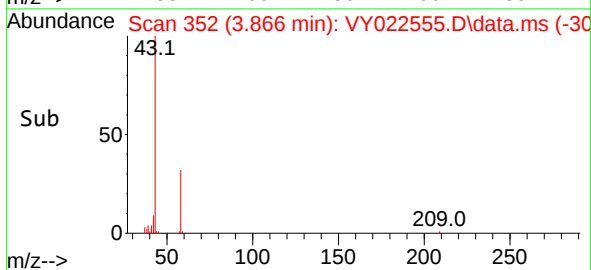
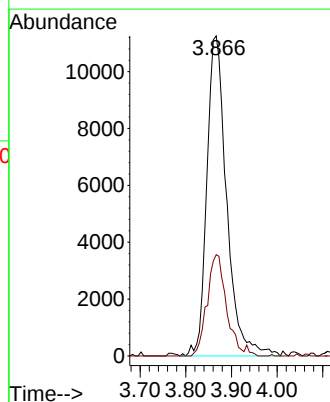
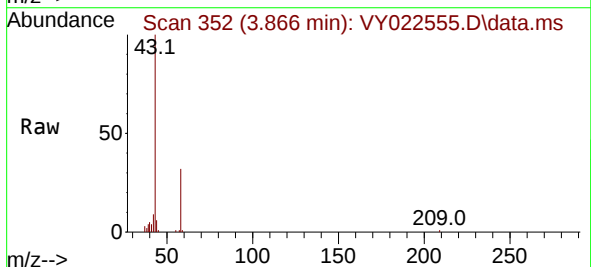
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

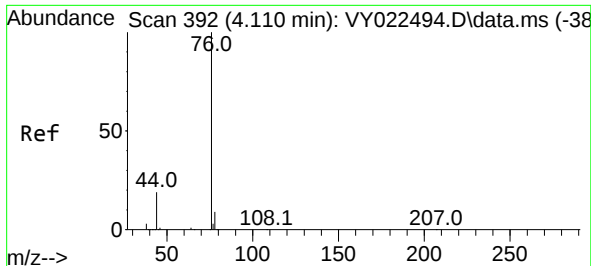
Tgt Ion:168 Resp: 280753
Ion Ratio Lower Upper
168 100
99 55.4 44.3 66.5



#16
Acetone
Concen: 53.155 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 43 Resp: 33897
Ion Ratio Lower Upper
43 100
58 31.6 24.0 36.0

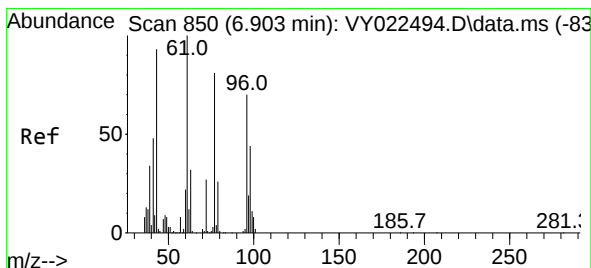
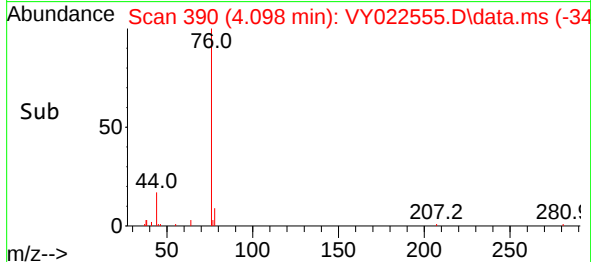
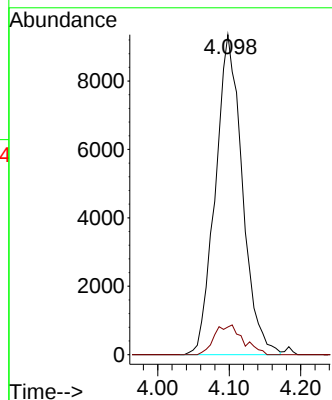
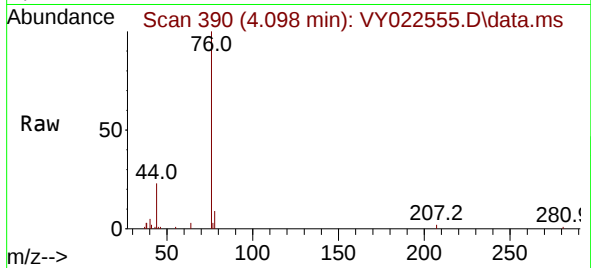




#17
Carbon Disulfide
Concen: 2.598 ug/l
RT: 4.098 min Scan# 392
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

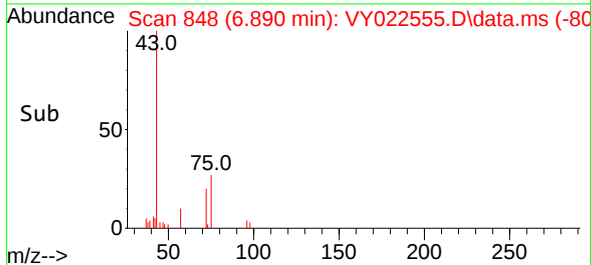
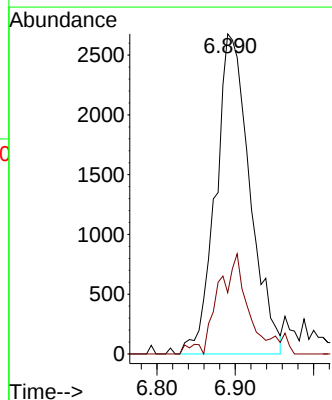
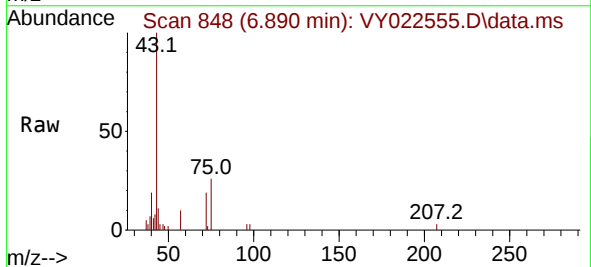
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

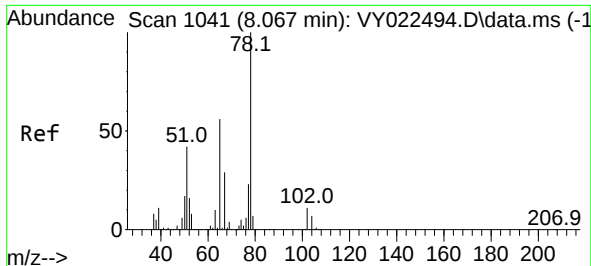
Tgt Ion: 76 Resp: 24493
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#25
2-Butanone
Concen: 8.855 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 43 Resp: 8145
Ion Ratio Lower Upper
43 100
72 19.2 22.9 34.3#





#33

1,2-Dichloroethane-d4

Concen: 52.052 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY022555.D

Acq: 04 Jun 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

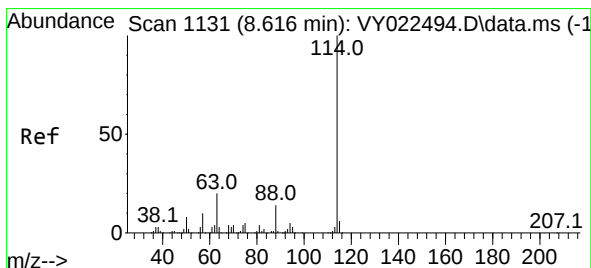
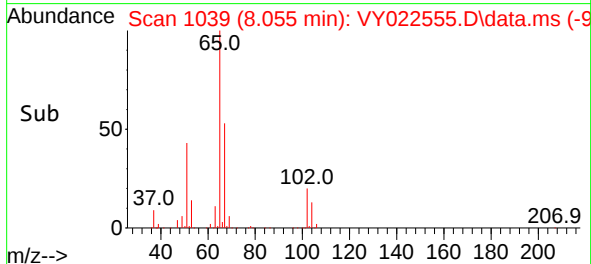
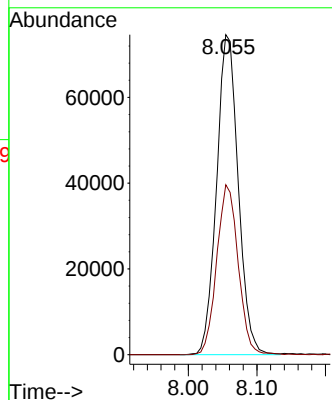
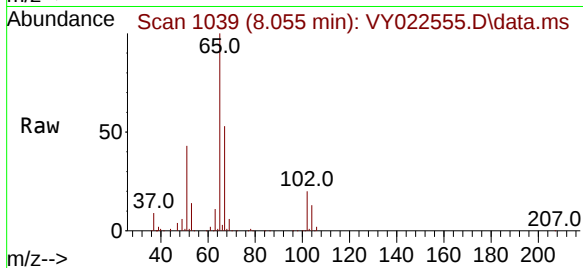
B-187-SB02

Tgt Ion: 65 Resp: 163448

Ion Ratio Lower Upper

65 100

67 52.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY022555.D

Acq: 04 Jun 2025 16:58

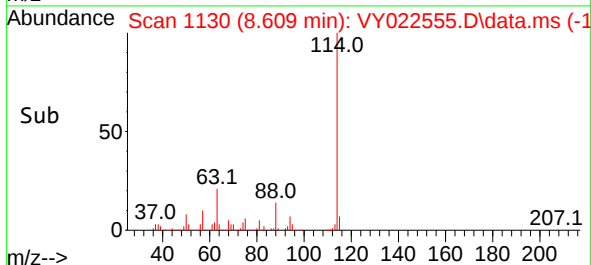
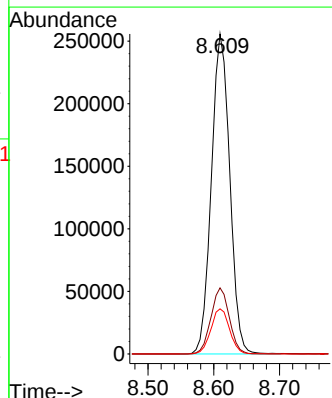
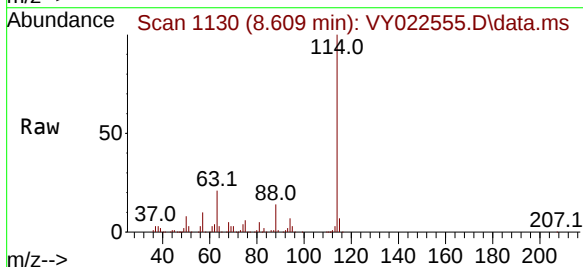
Tgt Ion: 114 Resp: 497958

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

88 14.1 0.0 27.8

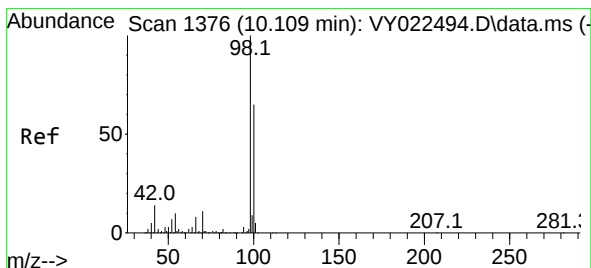
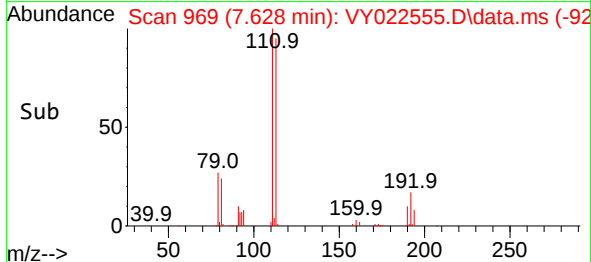
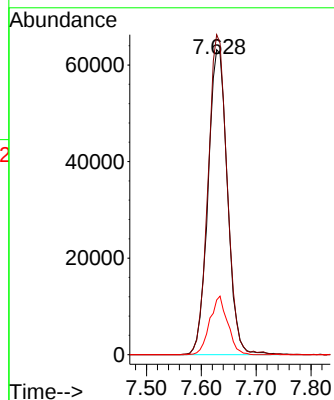
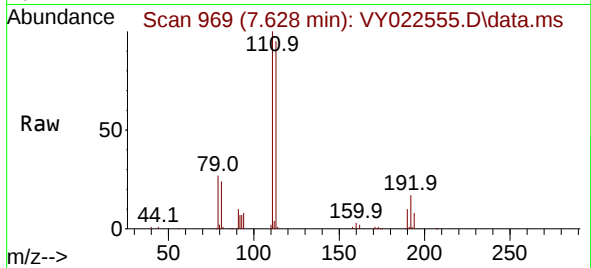




#35
Dibromofluoromethane
Concen: 52.117 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

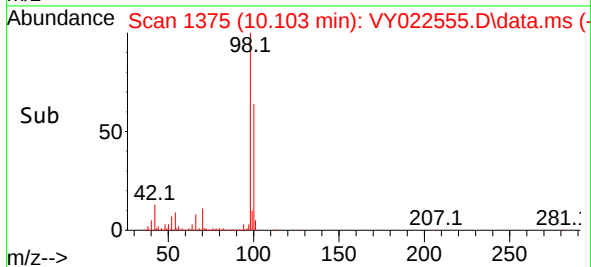
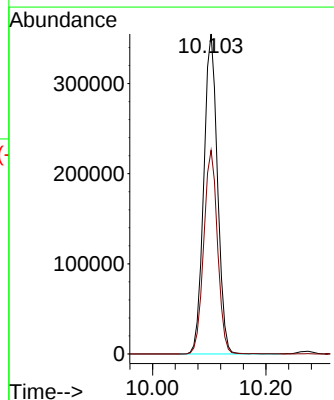
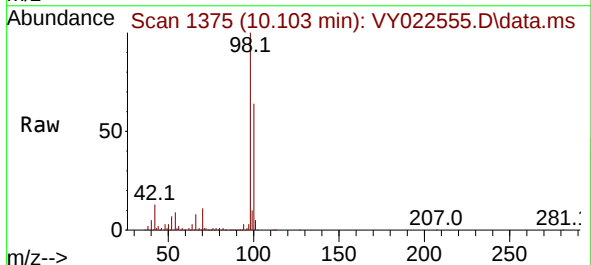
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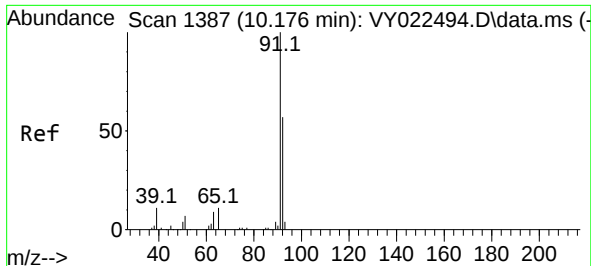
Tgt Ion:113 Resp: 154902
Ion Ratio Lower Upper
113 100
111 103.3 81.1 121.7
192 17.7 14.2 21.2



#50
Toluene-d8
Concen: 49.663 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 98 Resp: 596438
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0

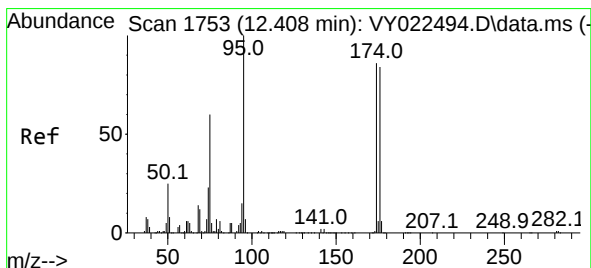
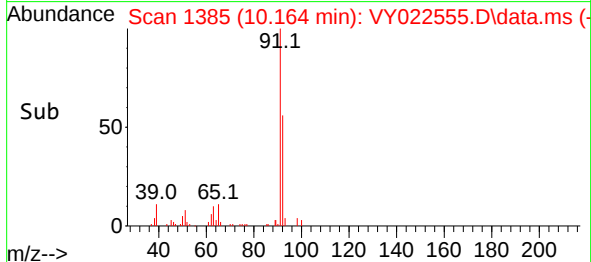
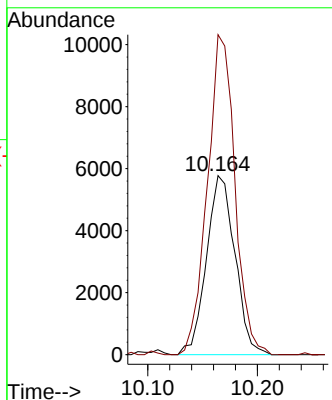
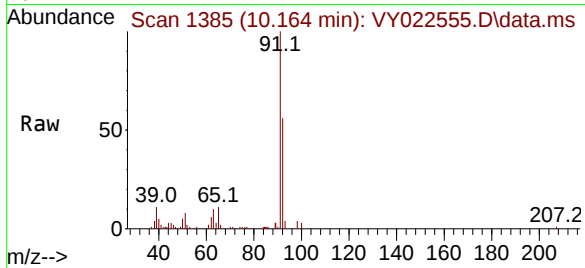




#52
Toluene
Concen: 1.166 ug/l
RT: 10.164 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

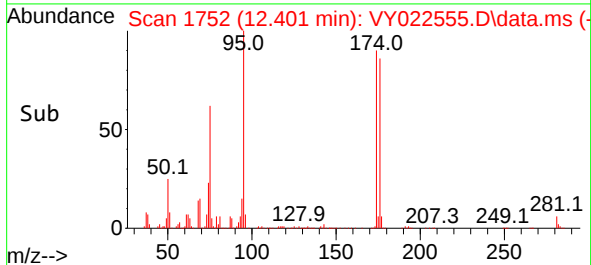
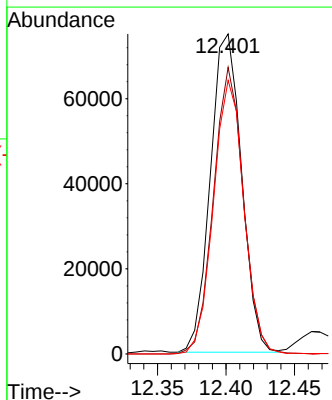
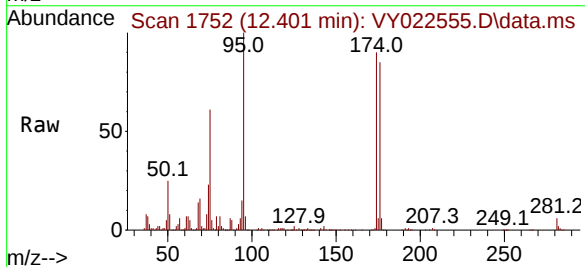
Instrument :
MSVOA_Y
ClientSampleId :
B-187-SB02

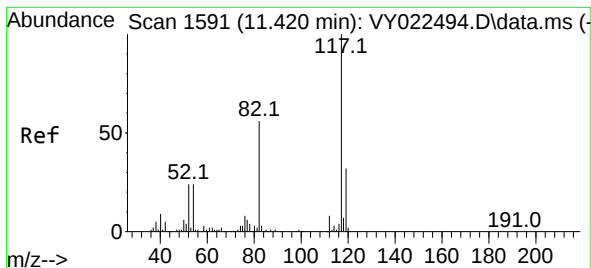
Tgt Ion: 92 Resp: 10437
Ion Ratio Lower Upper
92 100
91 172.7 139.0 208.4



#62
4-Bromofluorobenzene
Concen: 33.105 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022555.D
Acq: 04 Jun 2025 16:58

Tgt Ion: 95 Resp: 118458
Ion Ratio Lower Upper
95 100
174 86.3 0.0 170.0
176 83.9 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022555.D

Acq: 04 Jun 2025 16:58

Instrument :

MSVOA_Y

ClientSampleId :

B-187-SB02

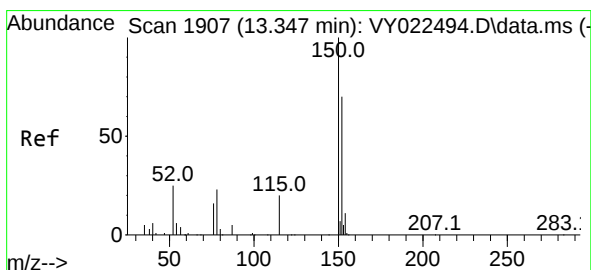
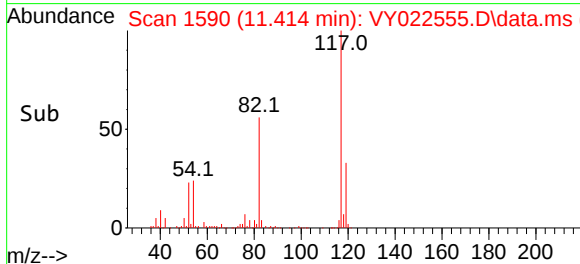
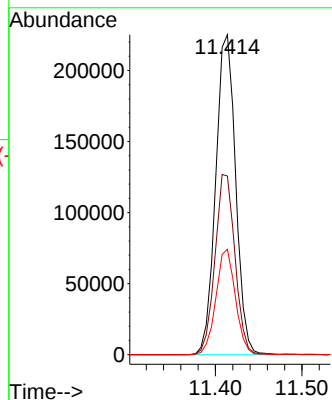
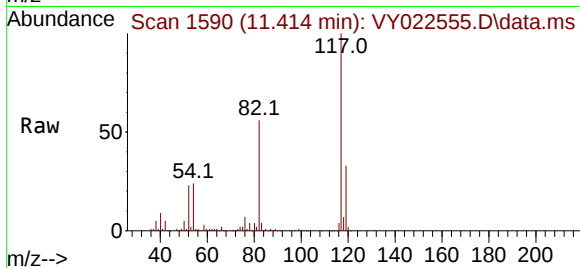
Tgt Ion:117 Resp: 360175

Ion Ratio Lower Upper

117 100

82 55.9 44.6 66.8

119 33.0 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: VY022555.D

Acq: 04 Jun 2025 16:58

Tgt Ion:152 Resp: 103121

Ion Ratio Lower Upper

152 100

115 0.0 28.9 86.7#

150 154.6 0.0 349.6

