

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022404.D
 Acq On : 22 May 2025 18:26
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 23 03:41:54 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)

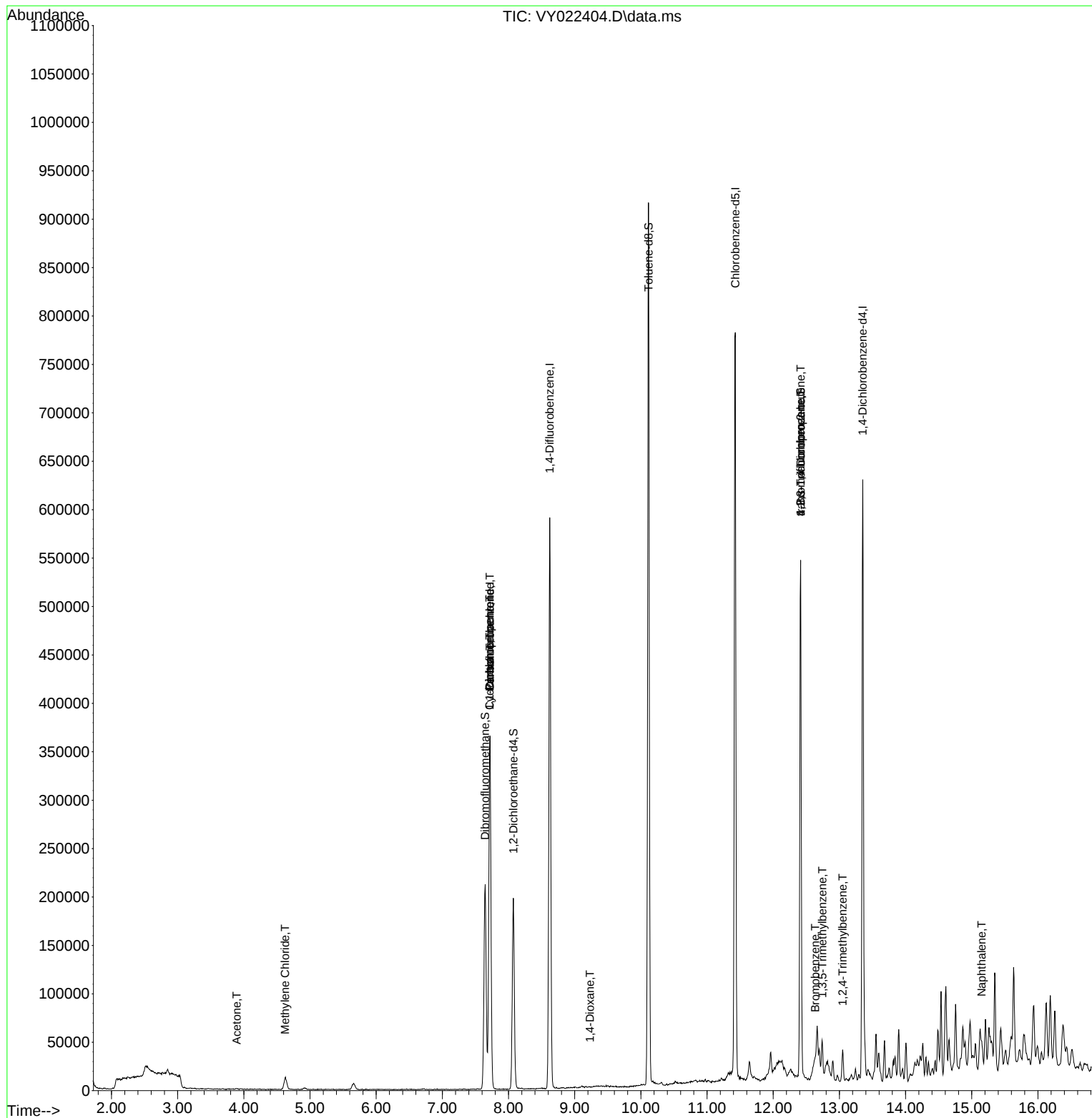
Internal Standards						
1) Pentafluorobenzene	7.719	168	275688	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	485725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	385426	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.352	152	146912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	140992	46.794	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.580%		
35) Dibromofluoromethane	7.646	113	143830	49.612	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.220%		
50) Toluene-d8	10.115	98	575395	48.461	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.920%		
62) 4-Bromofluorobenzene	12.414	95	149590	39.748	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	79.500%		
Target Compounds						Qvalue
16) Acetone	3.891	43	831	1.471	ug/l #	45
20) Methylene Chloride	4.622	84	8199	2.246	ug/l	84
31) Cyclohexane	7.713	56	7245	1.189	ug/l #	32
36) 1,1-Dichloropropene	7.713	75	24190	5.066	ug/l #	51
38) Carbon Tetrachloride	7.719	117	28155	5.696	ug/l #	17
49) 1,4-Dioxane	9.231	88	40	1.924	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	84688	56.900	ug/l #	100
77) Bromobenzene	12.633	156	10949	4.212	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.743	105	10526	1.071	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.414	75	84688	115.264	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.048	105	16159	1.657	ug/l	99
95) Naphthalene	15.151	128	15334	3.138	ug/l #	86

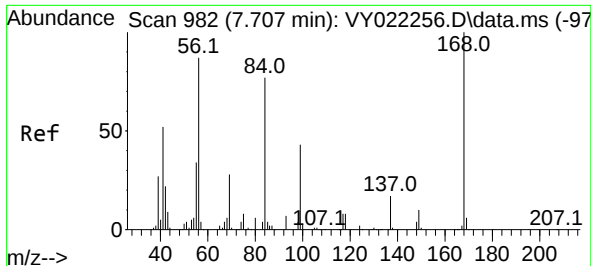
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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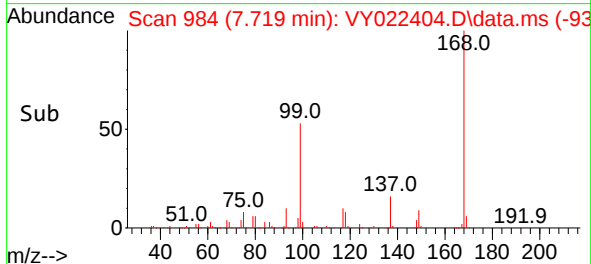
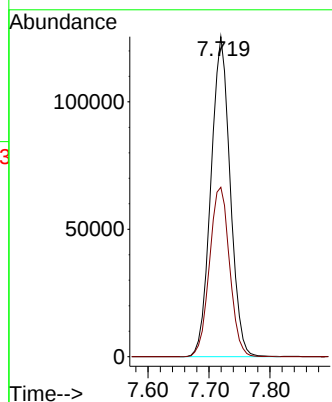
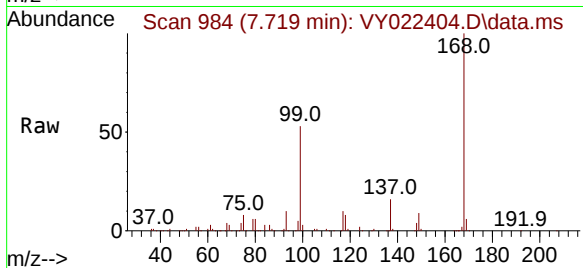




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

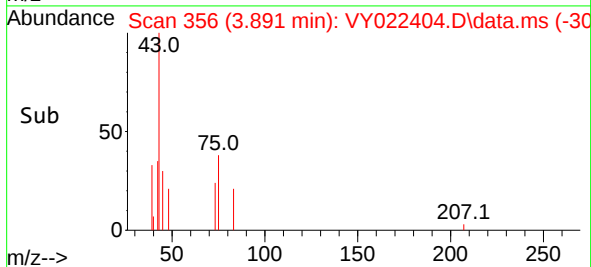
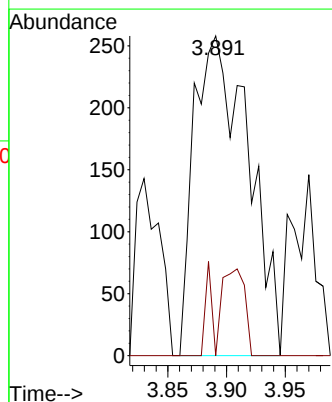
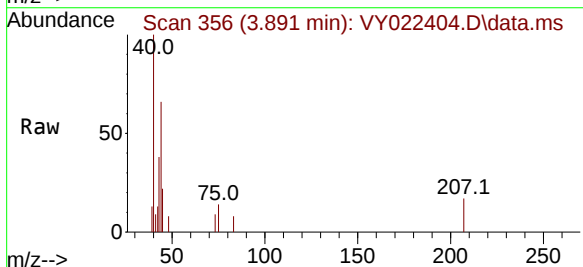
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

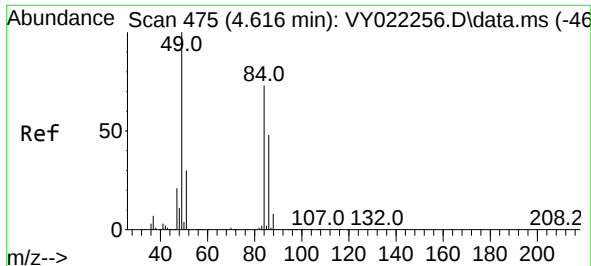
Tgt Ion:168 Resp: 275688
Ion Ratio Lower Upper
168 100
99 52.9 44.2 66.4



#16
Acetone
Concen: 1.471 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.018 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion: 43 Resp: 831
Ion Ratio Lower Upper
43 100
58 0.0 23.6 35.4#

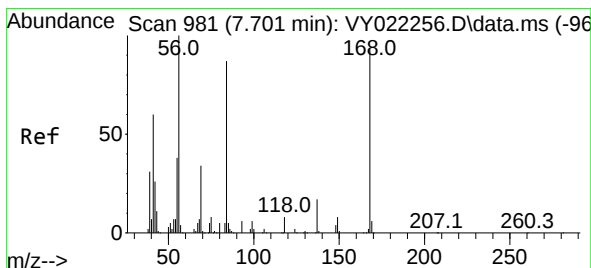
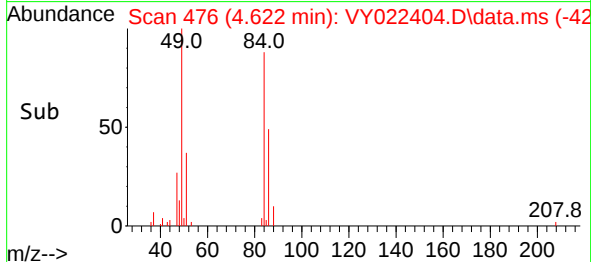
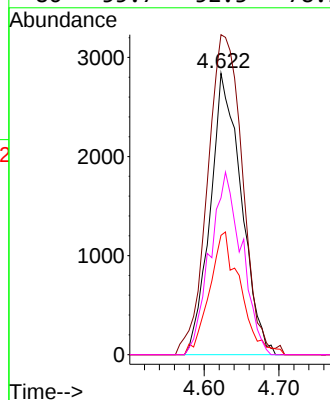
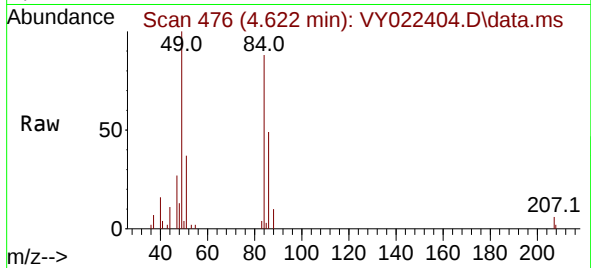




#20
Methylene Chloride
Concen: 2.246 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

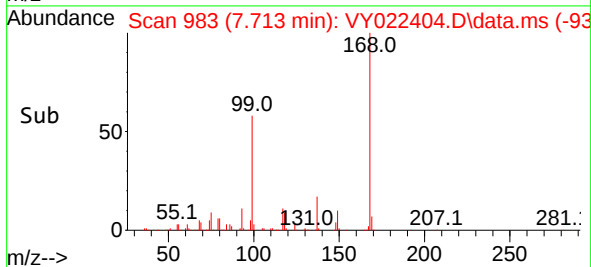
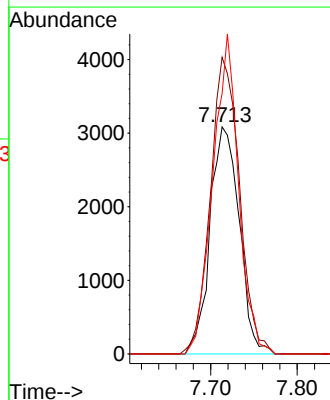
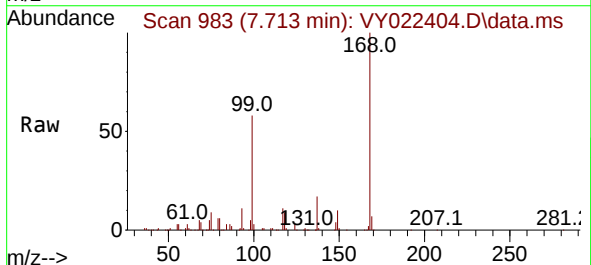
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

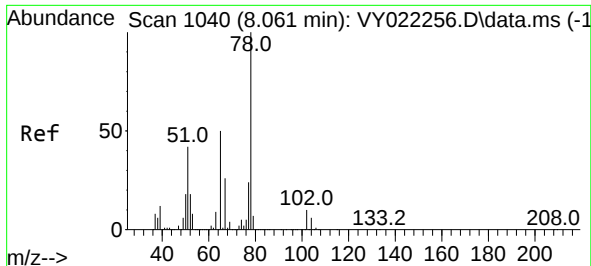
Tgt Ion:	84	Resp:	8199
Ion	Ratio	Lower	Upper
84	100		
49	110.4	109.6	164.4
51	42.4	32.4	48.6
86	55.7	52.3	78.5



#31
Cyclohexane
Concen: 1.189 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion:	56	Resp:	7245
Ion	Ratio	Lower	Upper
56	100		
69	130.6	27.4	41.2#
84	114.7	70.0	105.0#

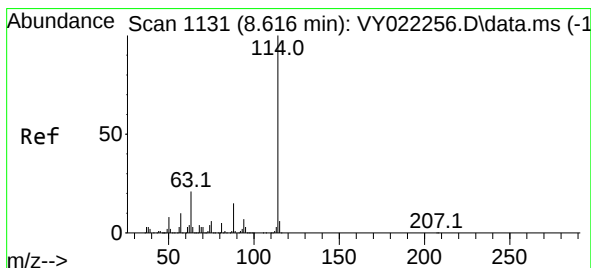
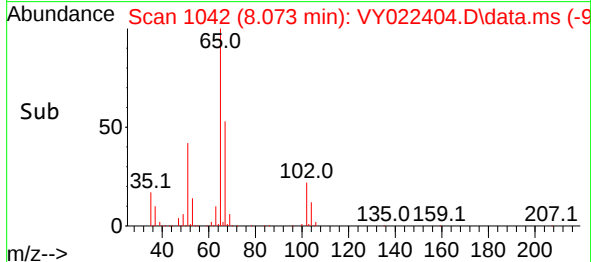
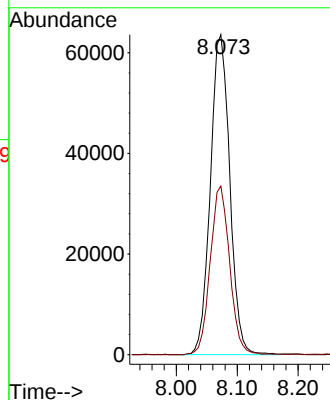
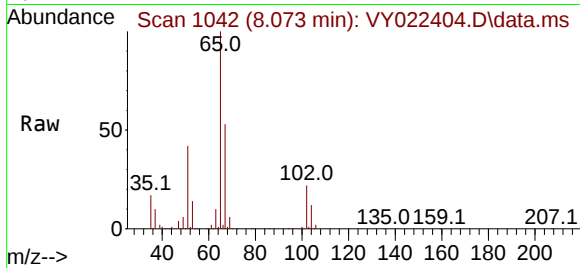




#33
1,2-Dichloroethane-d4
Concen: 46.794 ug/l
RT: 8.073 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

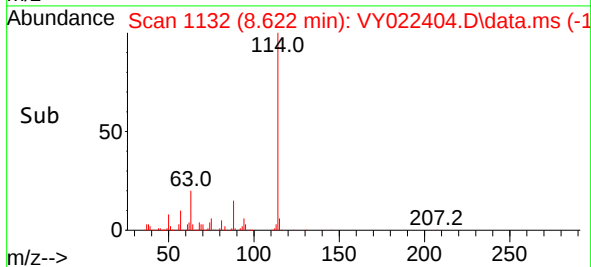
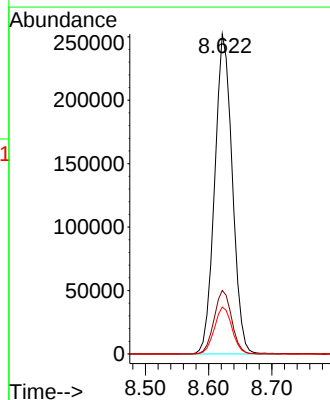
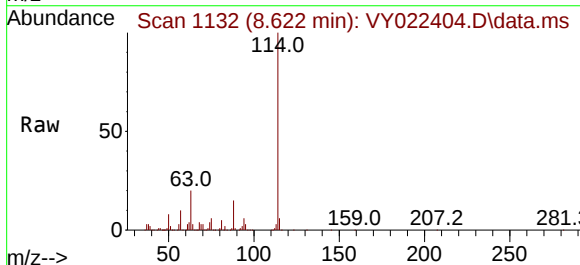
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

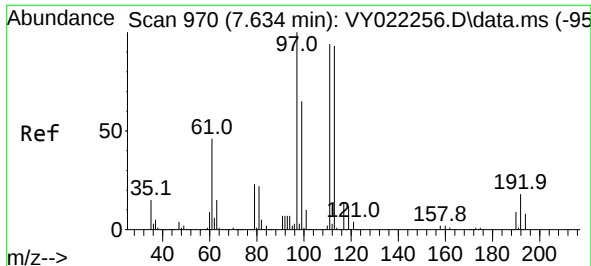
Tgt Ion: 65 Resp: 140992
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion: 114 Resp: 485725
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.0
88 14.7 0.0 29.4

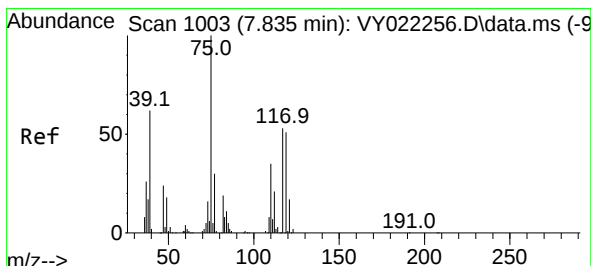
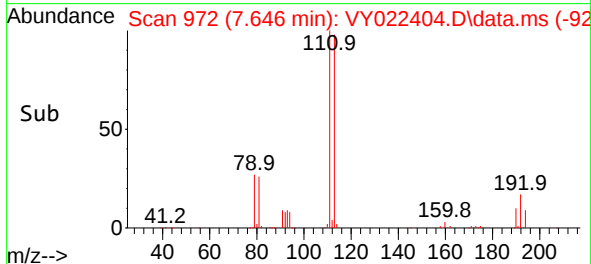
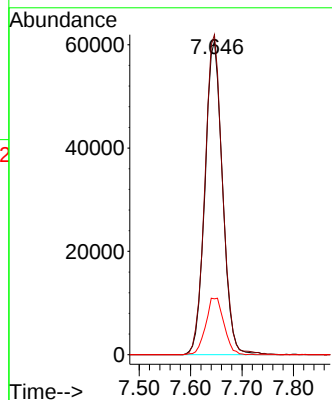
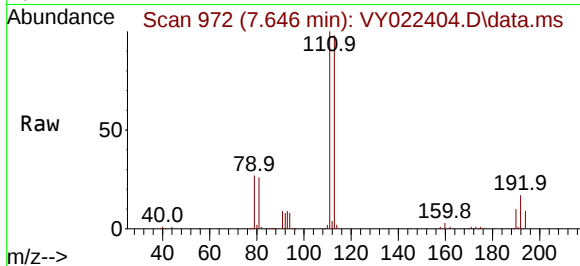




#35
Dibromofluoromethane
Concen: 49.612 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

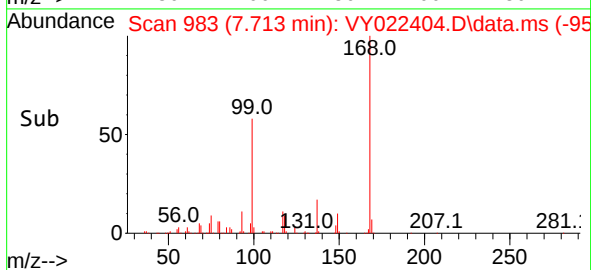
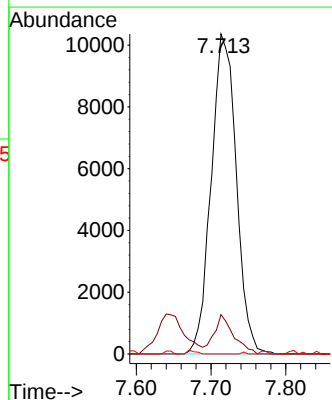
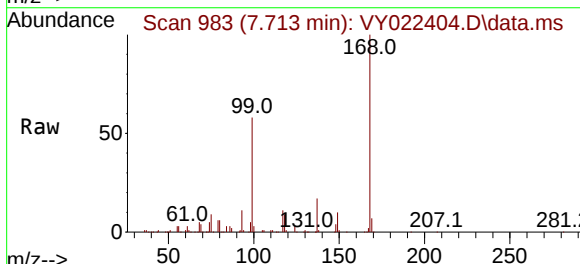
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

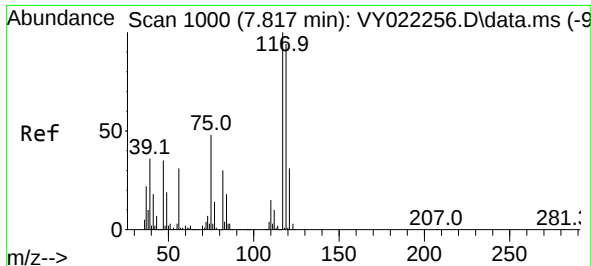
Tgt Ion:113 Resp: 143830
Ion Ratio Lower Upper
113 100
111 102.3 82.6 123.8
192 18.8 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.066 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion: 75 Resp: 24190
Ion Ratio Lower Upper
75 100
110 9.5 16.6 49.8#
77 0.0 24.6 37.0#

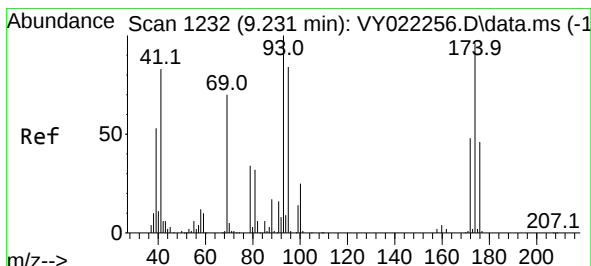
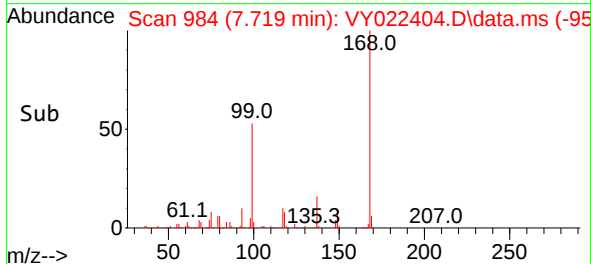
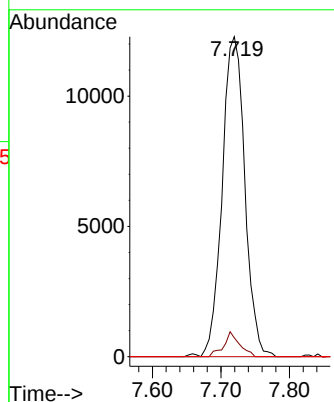
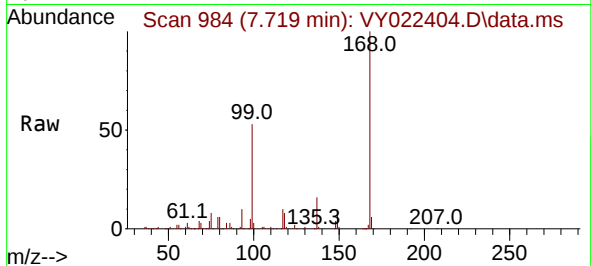




#38
Carbon Tetrachloride
Concen: 5.696 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.098 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

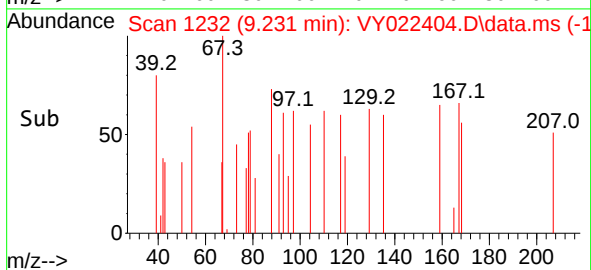
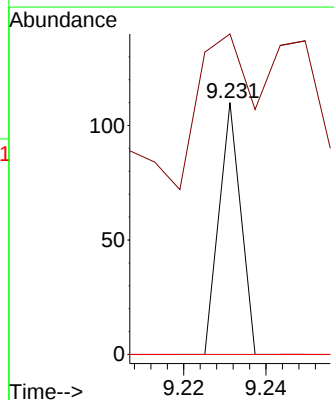
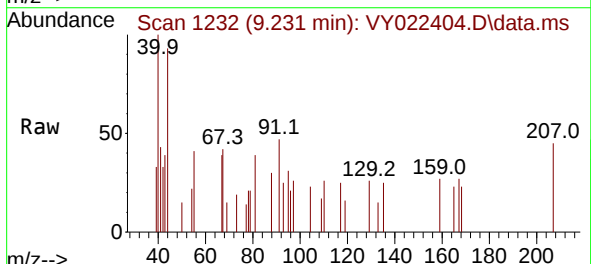
Instrument :
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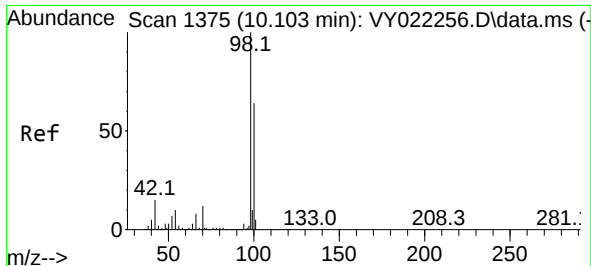
Tgt Ion: 117 Resp: 28155
Ion Ratio Lower Upper
117 100
119 5.9 75.3 112.9#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.924 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. -0.000 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion: 88 Resp: 40
Ion Ratio Lower Upper
88 100
43 150.0 28.5 42.7#
58 0.0 61.4 92.2#

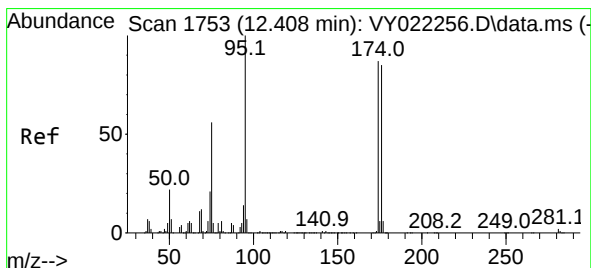
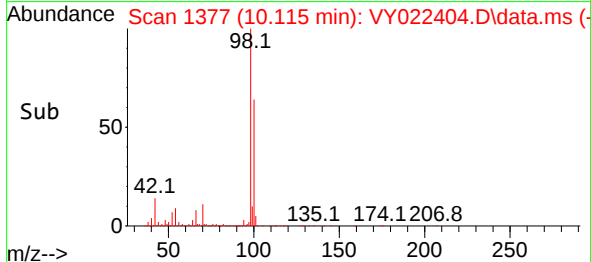
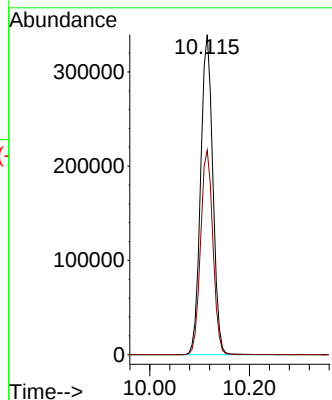
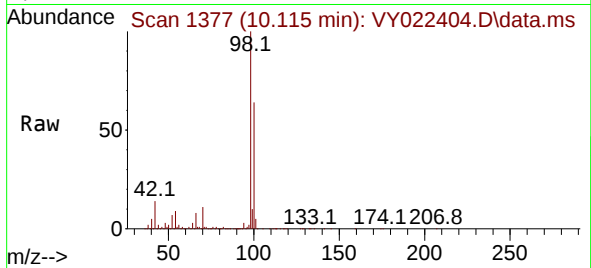




#50
Toluene-d8
Concen: 48.461 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

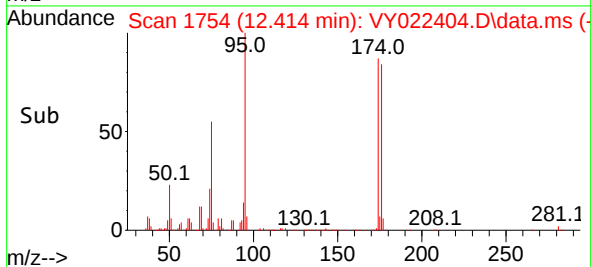
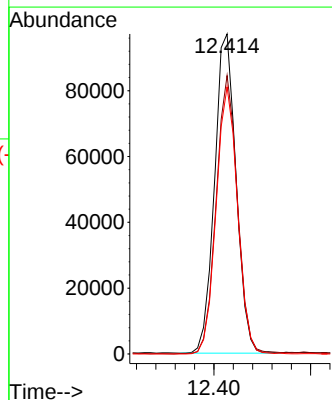
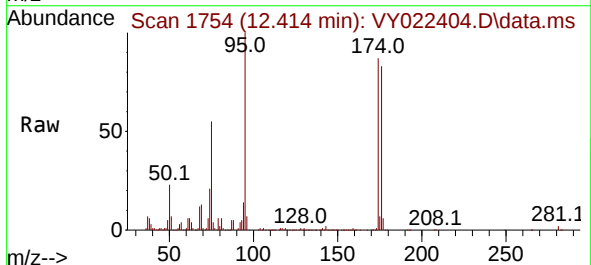
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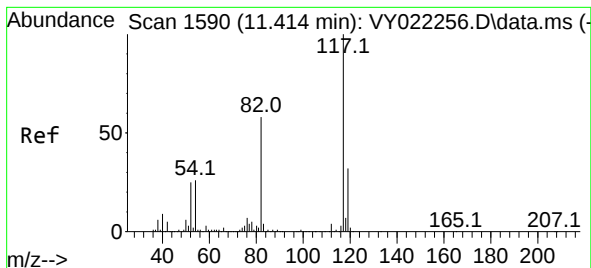
Tgt Ion: 98 Resp: 575395
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.748 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion: 95 Resp: 149590
Ion Ratio Lower Upper
95 100
174 86.7 0.0 166.8
176 83.2 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY022404.D

Acq: 22 May 2025 18:26

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

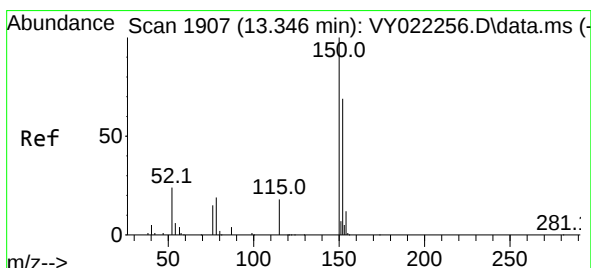
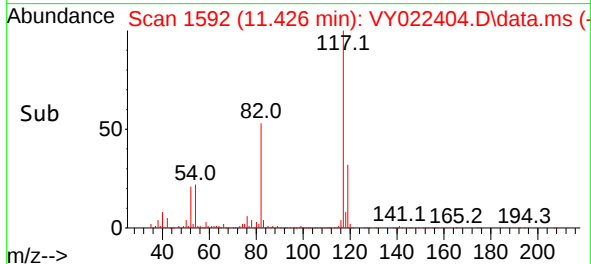
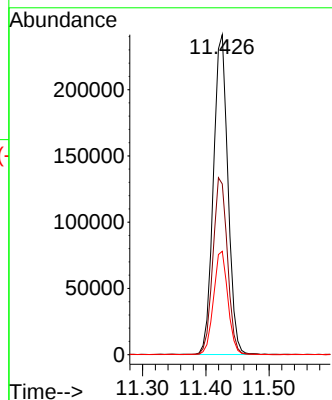
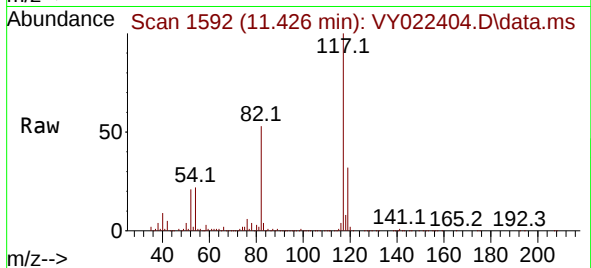
Tgt Ion:117 Resp: 385426

Ion Ratio Lower Upper

117 100

82 53.4 46.6 70.0

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022404.D

Acq: 22 May 2025 18:26

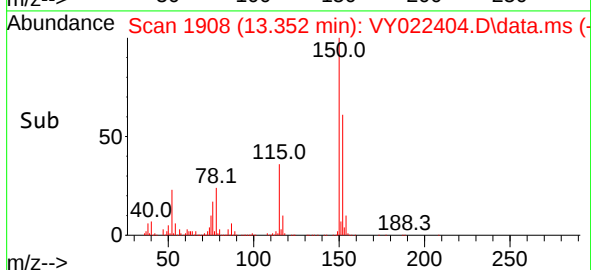
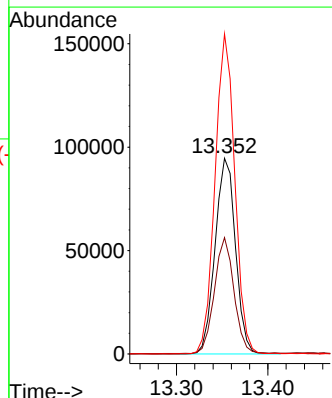
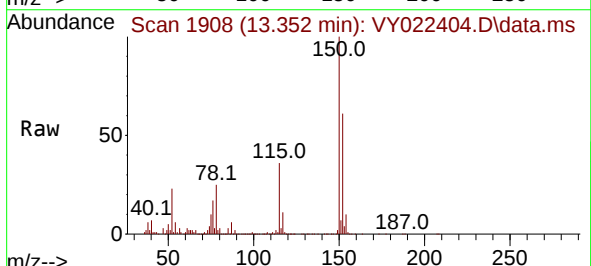
Tgt Ion:152 Resp: 146912

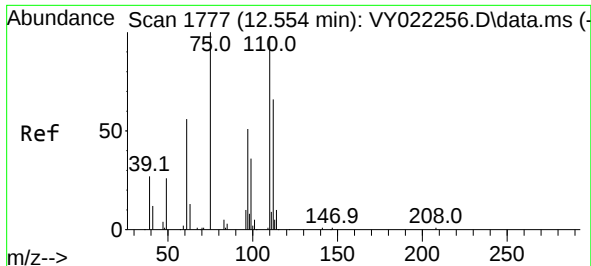
Ion Ratio Lower Upper

152 100

115 56.6 29.4 88.2

150 158.3 0.0 353.8

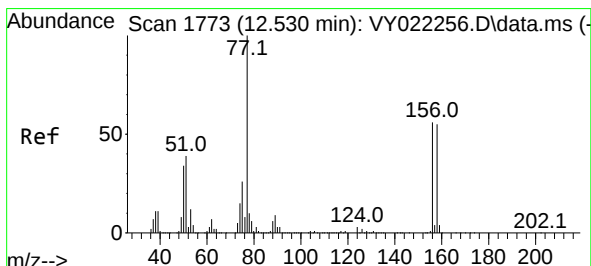
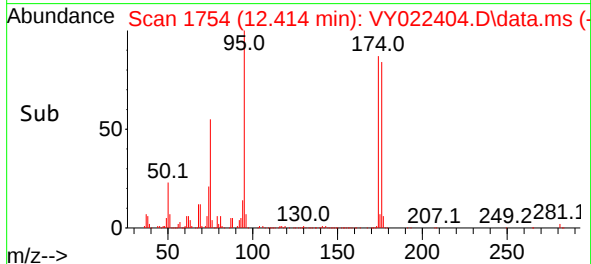
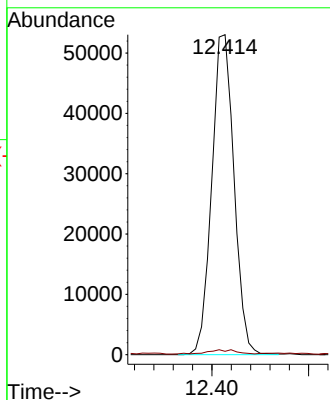
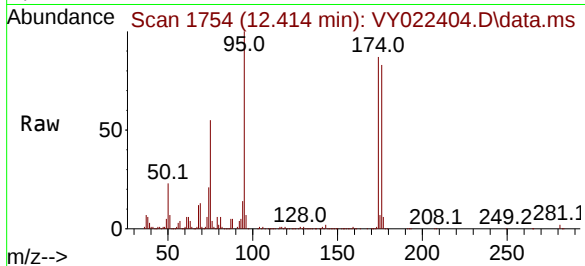




#76
1,2,3-Trichloropropane
Concen: 56.900 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

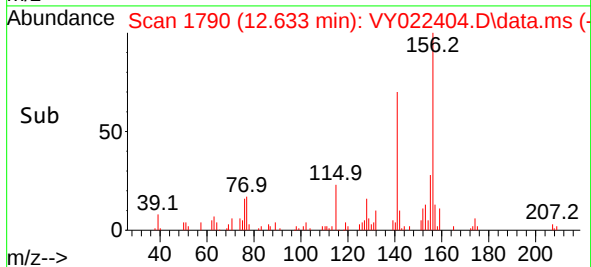
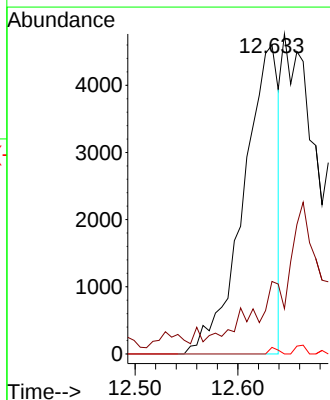
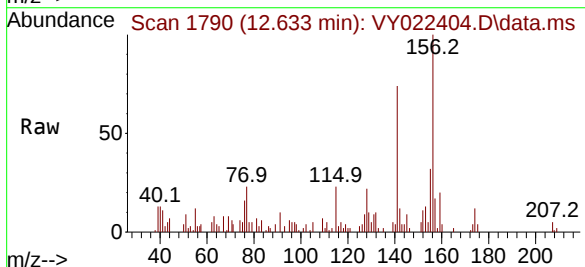
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

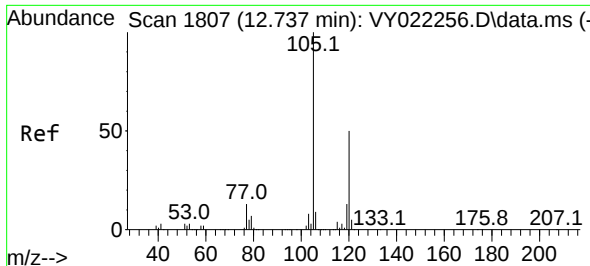
Tgt Ion: 75 Resp: 84688
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#77
Bromobenzene
Concen: 4.212 ug/l
RT: 12.633 min Scan# 1790
Delta R.T. 0.104 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion: 156 Resp: 10949
Ion Ratio Lower Upper
156 100
77 0.0 94.5 283.6#
158 0.5 48.4 145.3#

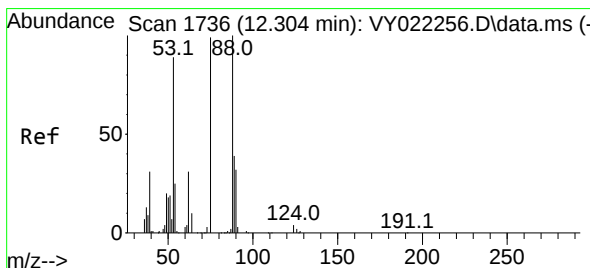
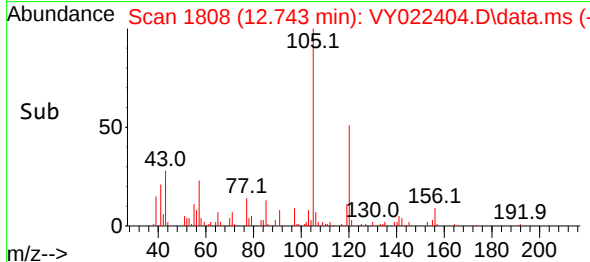
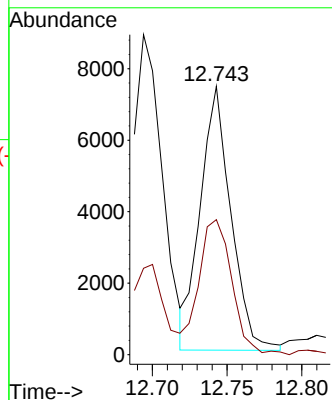
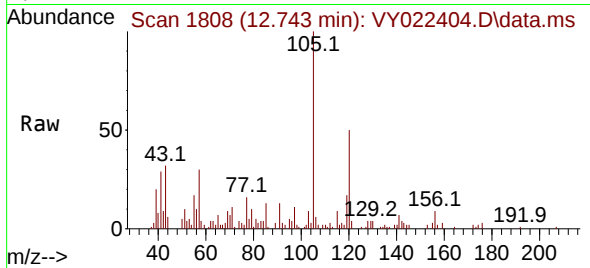




#80
 1,3,5-Trimethylbenzene
 Concen: 1.071 ug/l
 RT: 12.743 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY022404.D
 Acq: 22 May 2025 18:26

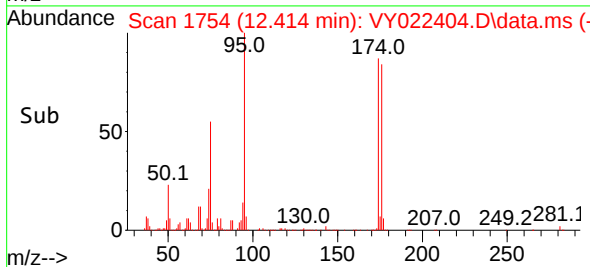
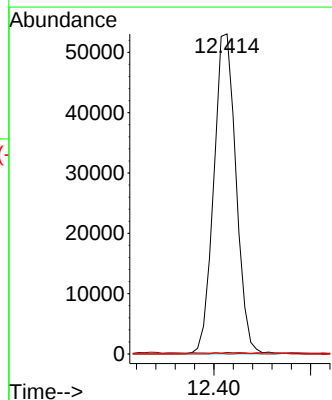
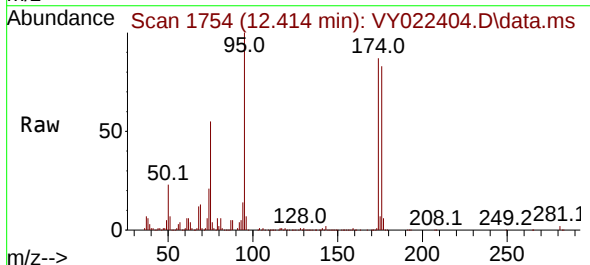
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

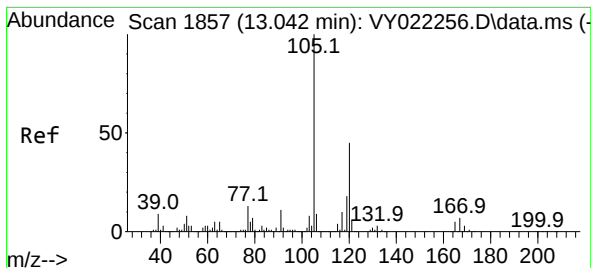
Tgt Ion:105 Resp: 10526
 Ion Ratio Lower Upper
 105 100
 120 55.2 24.2 72.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.264 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.110 min
 Lab File: VY022404.D
 Acq: 22 May 2025 18:26

Tgt Ion: 75 Resp: 84688
 Ion Ratio Lower Upper
 75 100
 53 0.2 75.8 113.8#
 89 0.1 36.2 54.2#





#84

1,2,4-Trimethylbenzene

Concen: 1.657 ug/l

RT: 13.048 min Scan# 1857

Delta R.T. 0.006 min

Lab File: VY022404.D

Acq: 22 May 2025 18:26

Instrument :

MSVOA_Y

ClientSampleId :

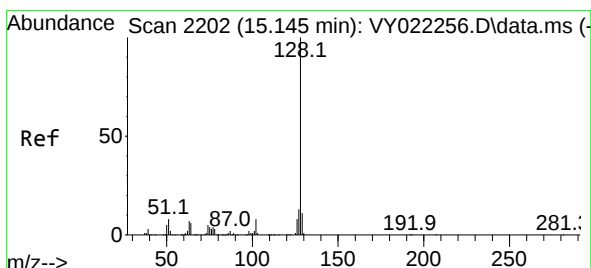
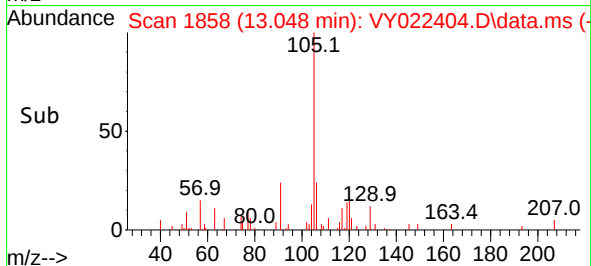
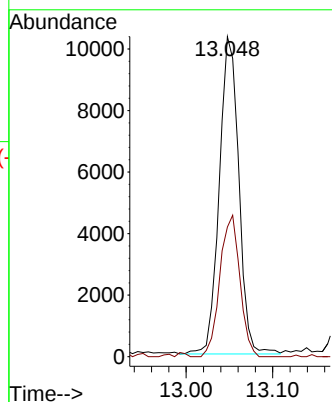
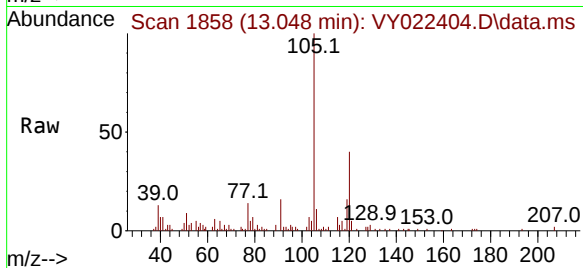
VIBLK

Tgt Ion:105 Resp: 16159

Ion Ratio Lower Upper

105 100

120 45.5 22.3 66.9



#95

Naphthalene

Concen: 3.138 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY022404.D

Acq: 22 May 2025 18:26

Tgt Ion:128 Resp: 15334

Ion Ratio Lower Upper

128 100

127 18.3 10.2 15.2#

129 16.3 8.8 13.2#

