

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020625\
 Data File : VY021109.D
 Acq On : 06 Feb 2025 14:24
 Operator : SY/MD
 Sample : Q1280-01
 Misc : 4.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 07 02:31:56 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)

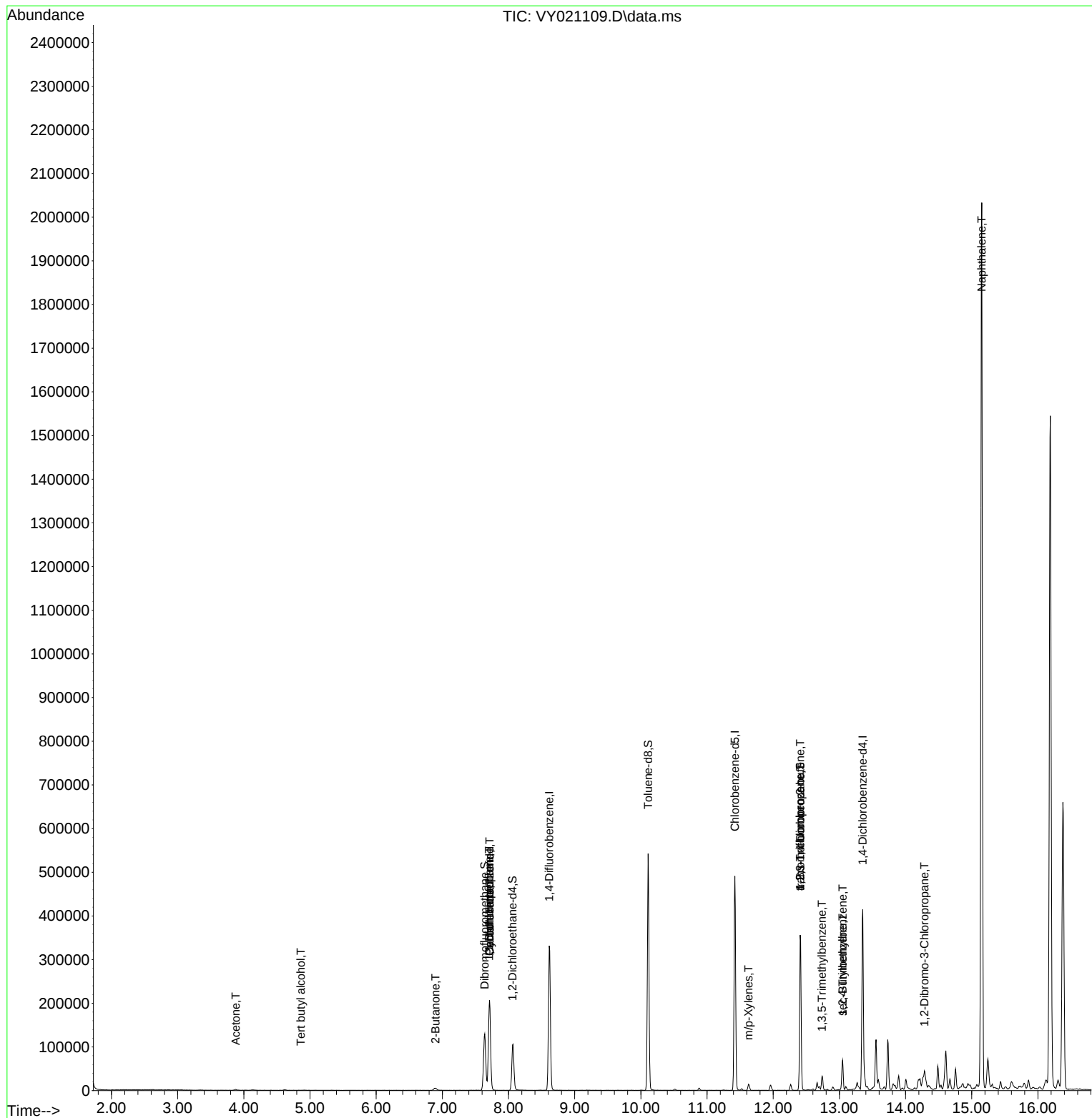
Internal Standards						
1) Pentafluorobenzene	7.713	168	157777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	282095	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	251204	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	104609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	86938	53.780	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.560%	
35) Dibromofluoromethane	7.640	113	91018	50.346	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.700%	
50) Toluene-d8	10.109	98	339237	49.289	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.580%	
62) 4-Bromofluorobenzene	12.408	95	107222	47.686	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	413	3.770	ug/l #	75
16) Acetone	3.879	43	2995	11.880	ug/l #	83
25) 2-Butanone	6.896	43	466	1.125	ug/l #	48
31) Cyclohexane	7.713	56	3576	1.297	ug/l #	15
36) 1,1-Dichloropropene	7.707	75	12579	4.698	ug/l #	50
38) Carbon Tetrachloride	7.713	117	16469	5.264	ug/l #	17
68) m/p-Xylenes	11.627	106	3782	1.022	ug/l	95
76) 1,2,3-Trichloropropane	12.408	75	58134	61.263	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	15335	2.315	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.408	75	58134	125.005	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.048	105	35625	5.499	ug/l	100
85) sec-Butylbenzene	13.048	105	35625	4.110	ug/l #	57
92) 1,2-Dibromo-3-Chloropr...	14.285	75	1411	6.948	ug/l #	1
95) Naphthalene	15.151	128	1573395	559.078	ug/l	99

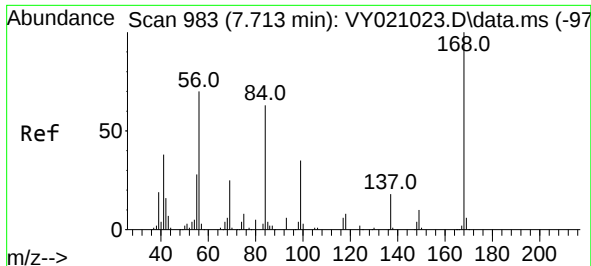
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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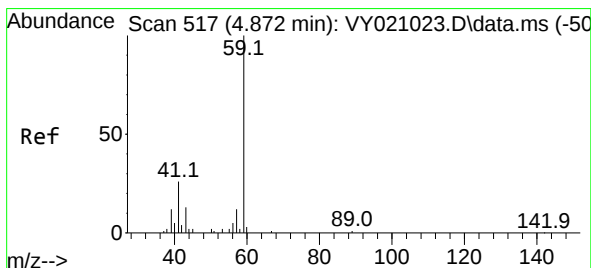
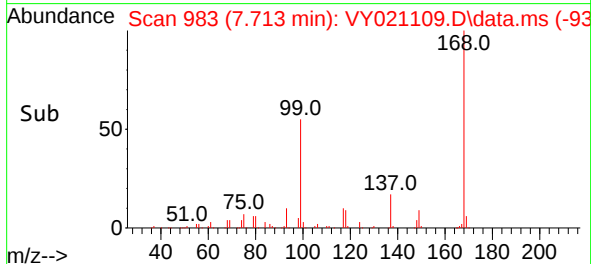
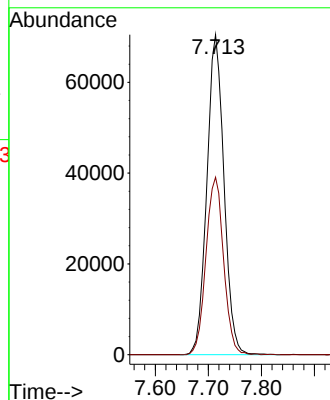
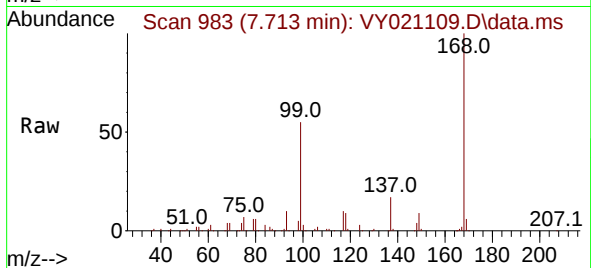




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

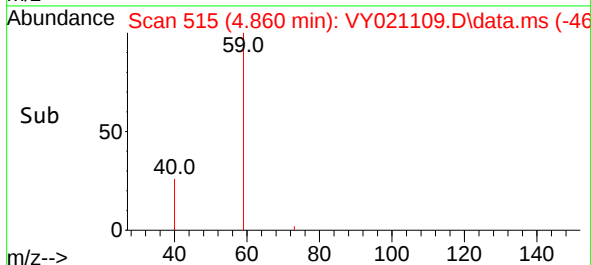
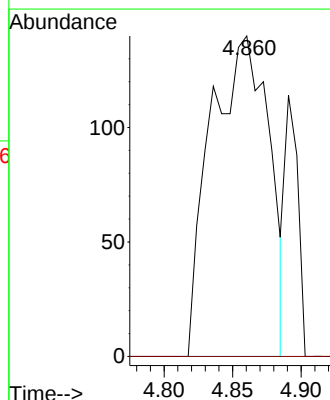
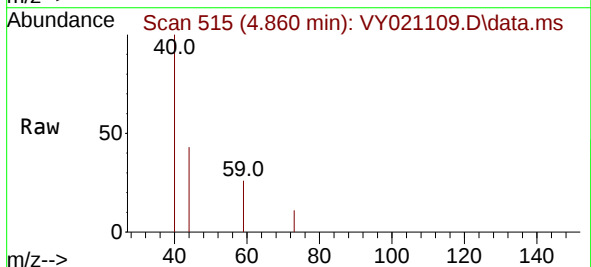
Instrument :
MSVOA_Y
ClientSampleId :

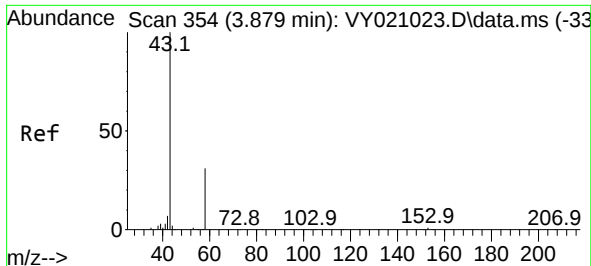
Tgt Ion:168 Resp: 157777
Ion Ratio Lower Upper
168 100
99 55.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 3.770 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

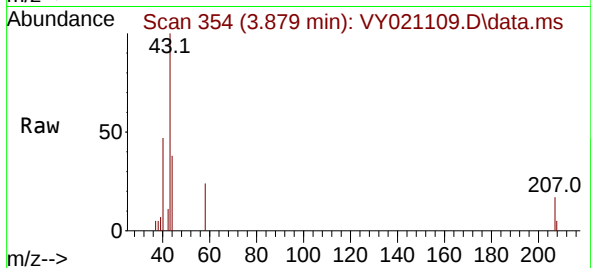
Tgt Ion: 59 Resp: 413
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



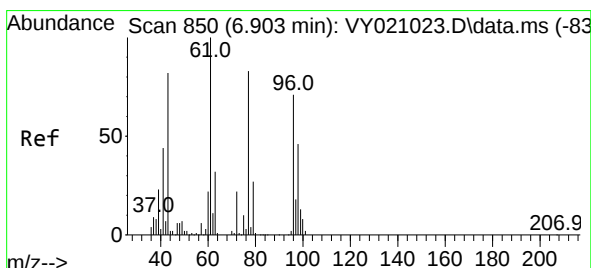
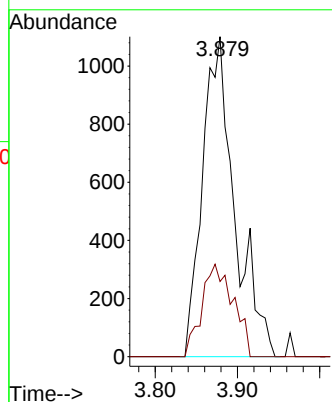
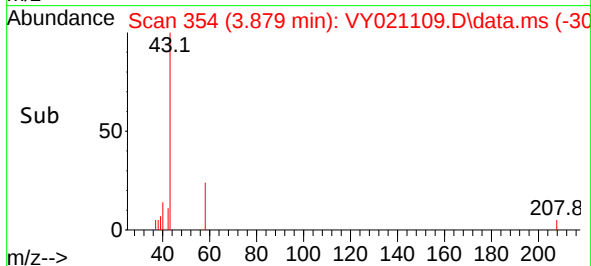


#16
Acetone
Concen: 11.880 ug/l
RT: 3.879 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

Instrument :
MSVOA_Y
ClientSampleId :

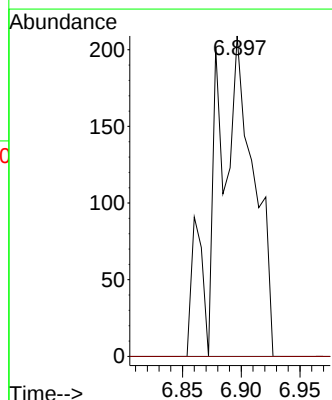
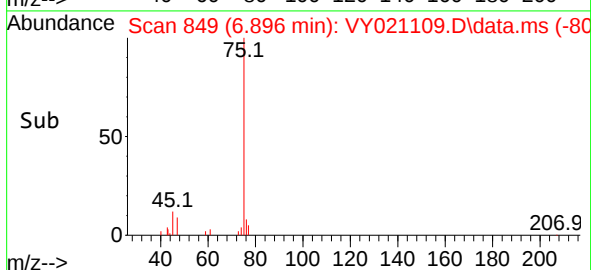
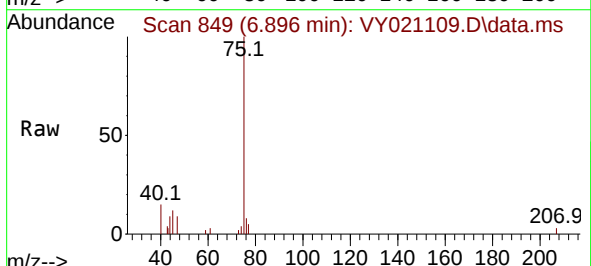


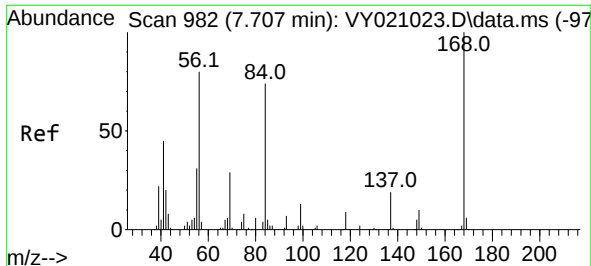
Tgt Ion: 43 Resp: 2995
Ion Ratio Lower Upper
43 100
58 23.5 26.6 39.8#



#25
2-Butanone
Concen: 1.125 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

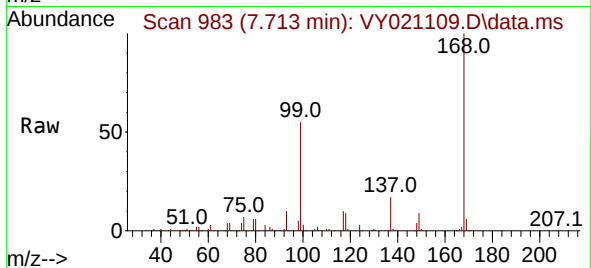
Tgt Ion: 43 Resp: 466
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



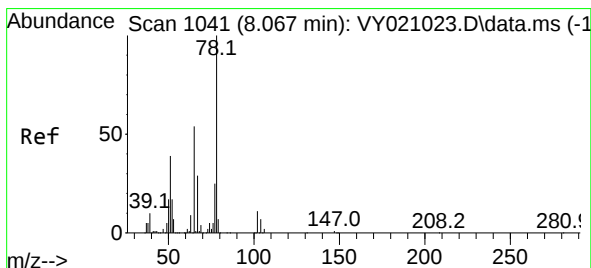
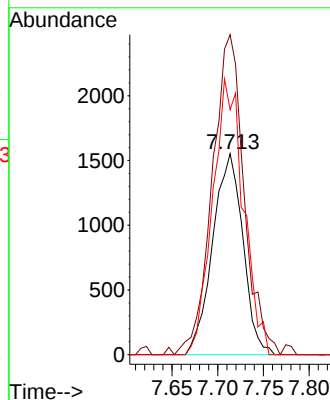
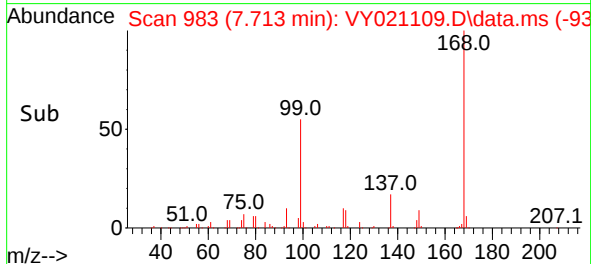


#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

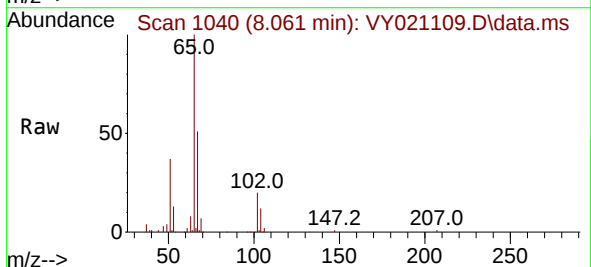
Instrument :
MSVOA_Y
ClientSampleId :



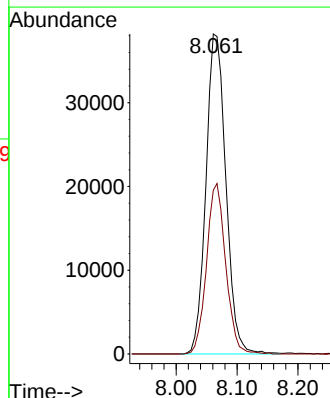
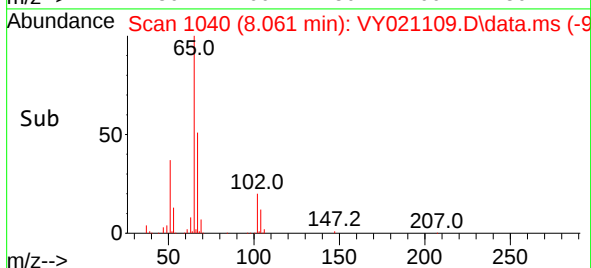
Tgt Ion: 56 Resp: 3576
Ion Ratio Lower Upper
56 100
69 159.3 27.0 40.6#
84 122.0 71.8 107.6#

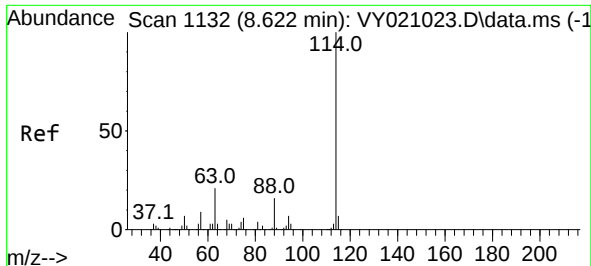


#33
1,2-Dichloroethane-d4
Concen: 53.780 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24



Tgt Ion: 65 Resp: 86938
Ion Ratio Lower Upper
65 100
67 51.2 0.0 109.0

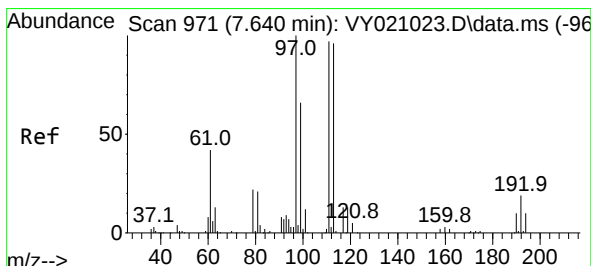
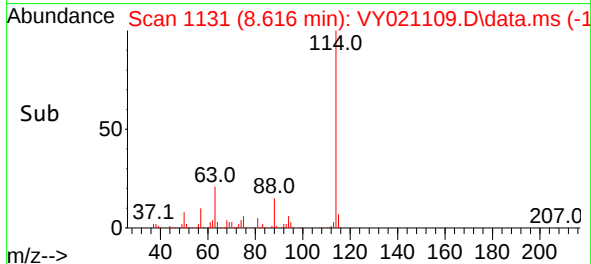
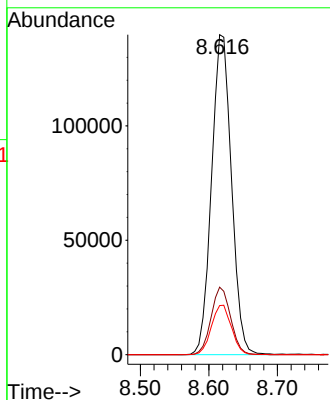
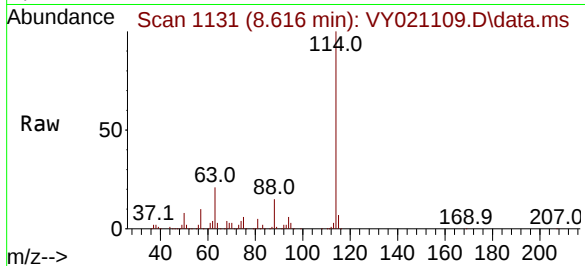




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1132
Delta R.T. -0.006 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

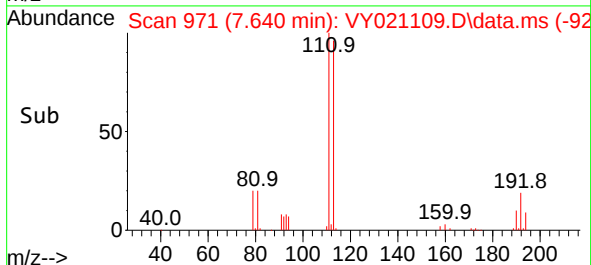
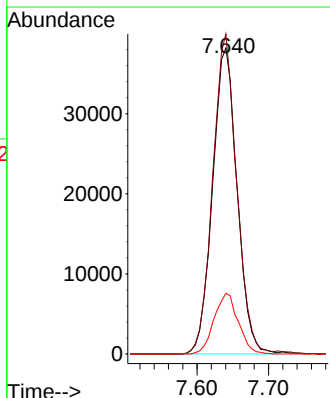
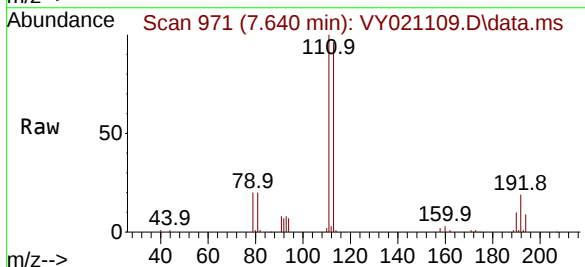
Instrument :
MSVOA_Y
ClientSampleId :

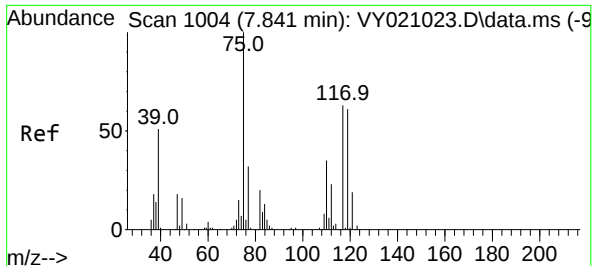
Tgt Ion:114 Resp: 282095
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 15.4 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.346 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.000 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

Tgt Ion:113 Resp: 91018
Ion Ratio Lower Upper
113 100
111 102.6 83.8 125.6
192 19.5 14.5 21.7





#36

1,1-Dichloropropene

Concen: 4.698 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY021109.D

Acq: 06 Feb 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

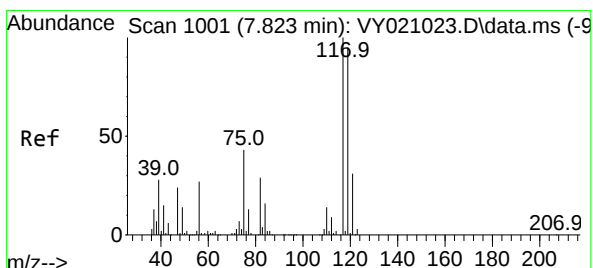
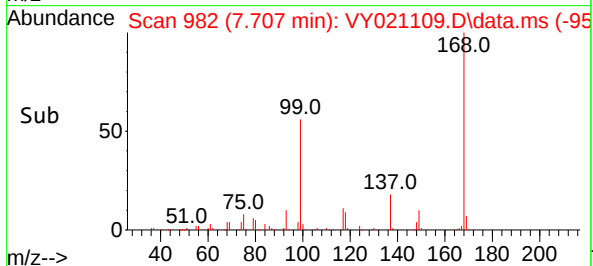
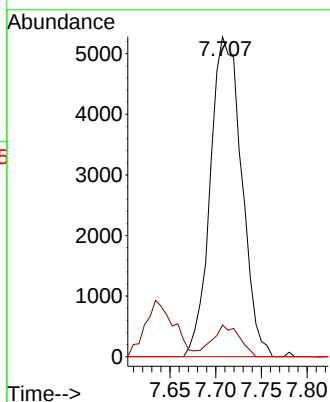
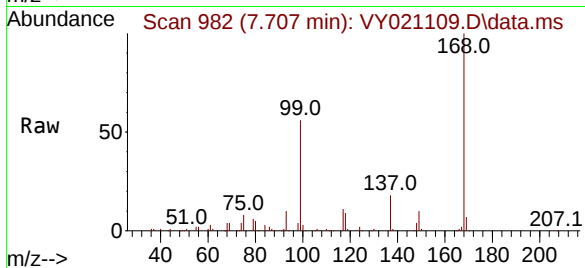
Tgt Ion: 75 Resp: 12579

Ion Ratio Lower Upper

75 100

110 8.6 17.4 52.3#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.264 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.110 min

Lab File: VY021109.D

Acq: 06 Feb 2025 14:24

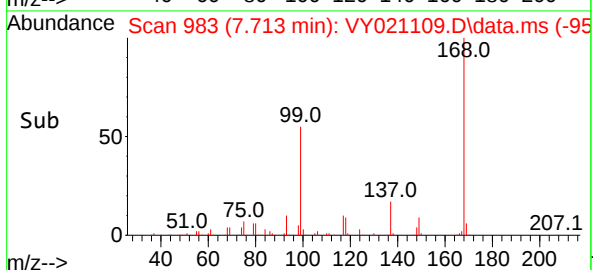
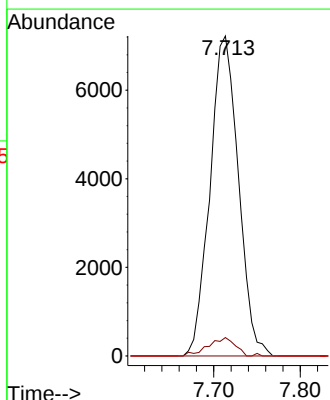
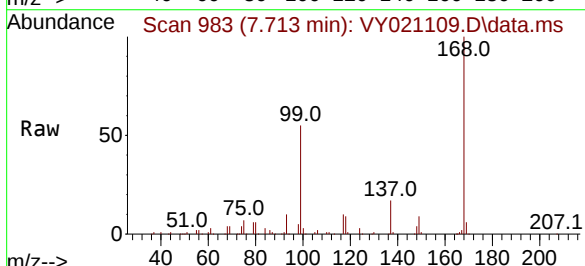
Tgt Ion: 117 Resp: 16469

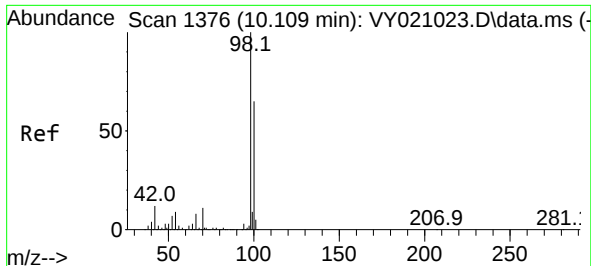
Ion Ratio Lower Upper

117 100

119 5.7 76.0 114.0#

121 0.0 24.2 36.2#

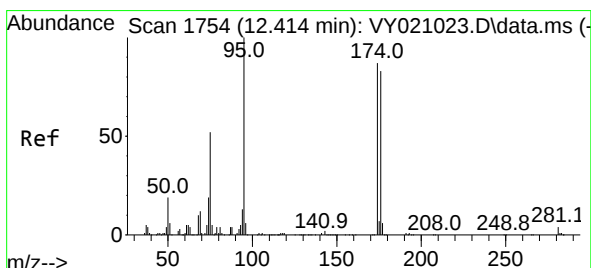
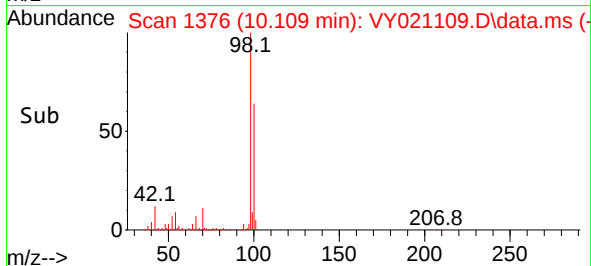
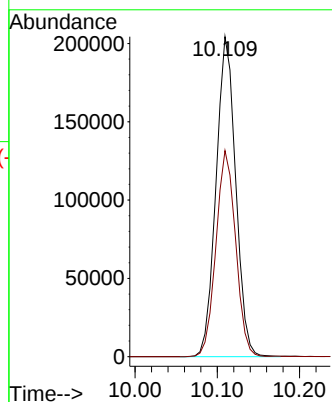
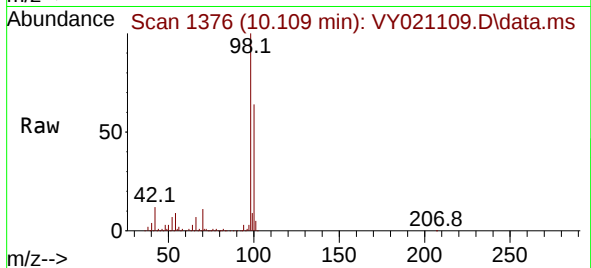




#50
Toluene-d8
Concen: 49.289 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

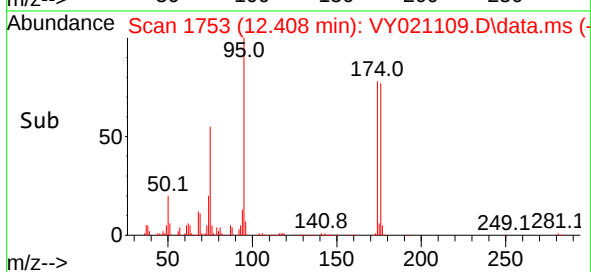
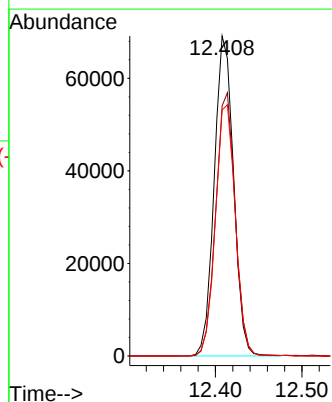
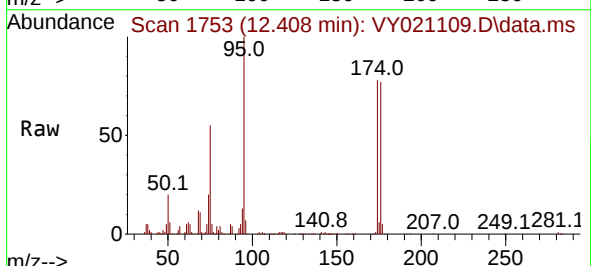
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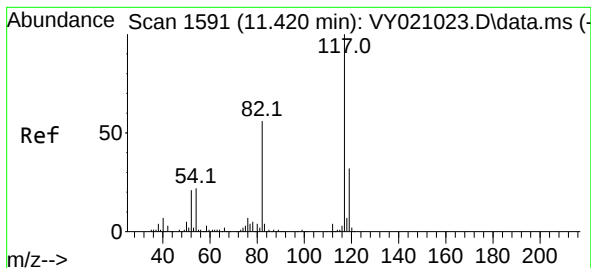
Tgt Ion: 98 Resp: 339237
Ion Ratio Lower Upper
98 100
100 64.4 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.686 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

Tgt Ion: 95 Resp: 107222
Ion Ratio Lower Upper
95 100
174 82.8 0.0 160.0
176 80.9 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021109.D

Acq: 06 Feb 2025 14:24

Instrument :

MSVOA_Y

ClientSampleId :

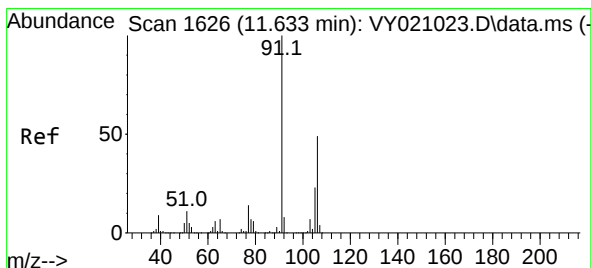
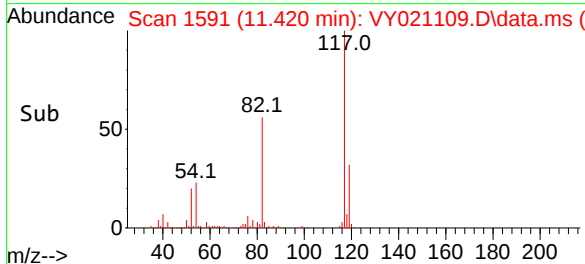
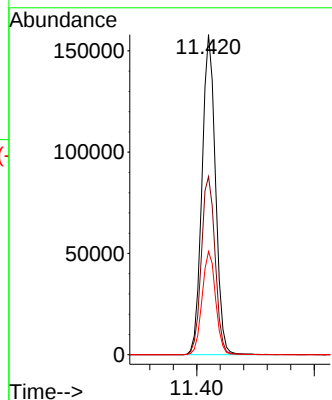
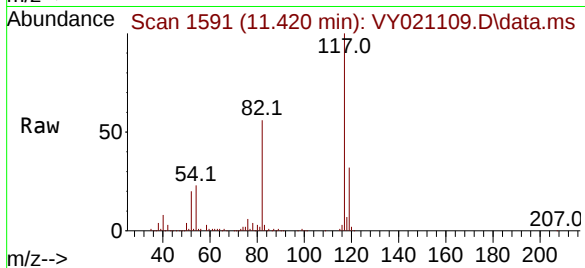
Tgt Ion:117 Resp: 251204

Ion Ratio Lower Upper

117 100

82 55.6 43.8 65.8

119 32.2 26.5 39.7



#68

m/p-Xylenes

Concen: 1.022 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY021109.D

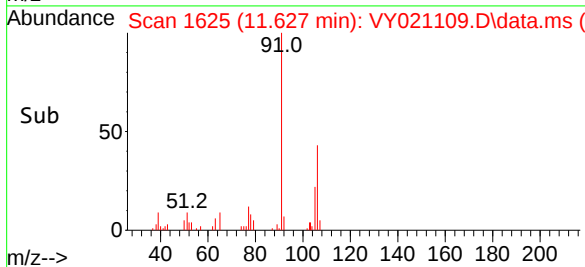
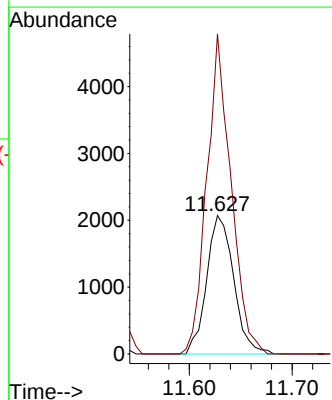
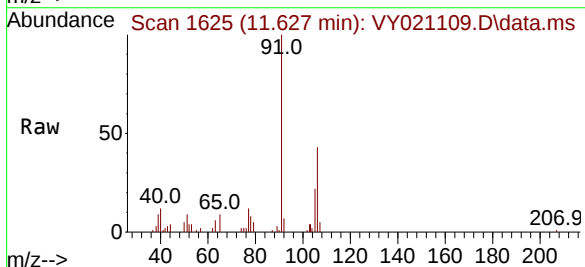
Acq: 06 Feb 2025 14:24

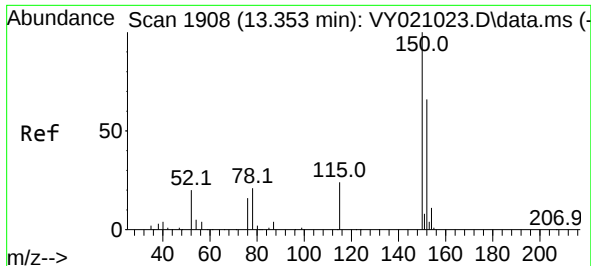
Tgt Ion:106 Resp: 3782

Ion Ratio Lower Upper

106 100

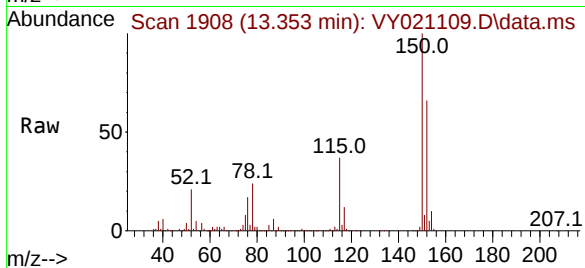
91 207.8 160.7 241.1



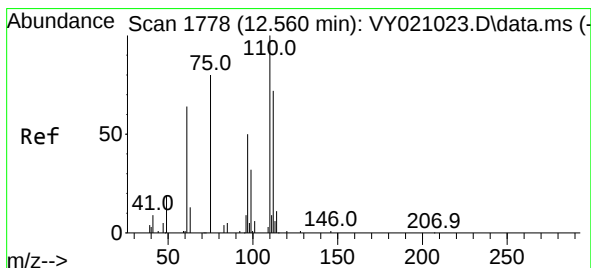
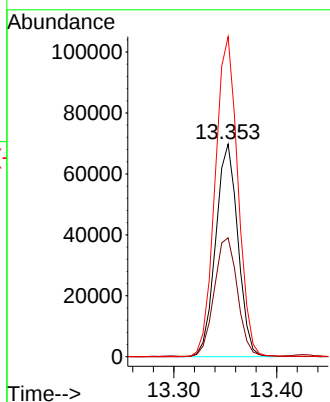
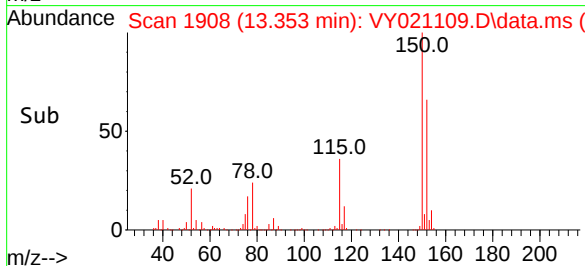


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY021109.D
 Acq: 06 Feb 2025 14:24

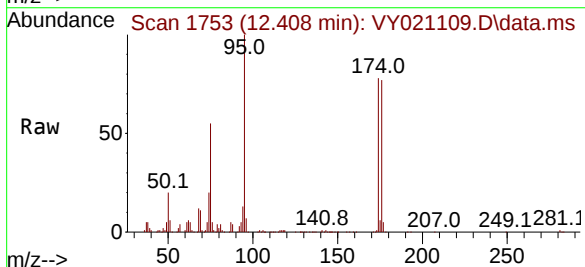
Instrument :
 MSVOA_Y
 ClientSampleId :



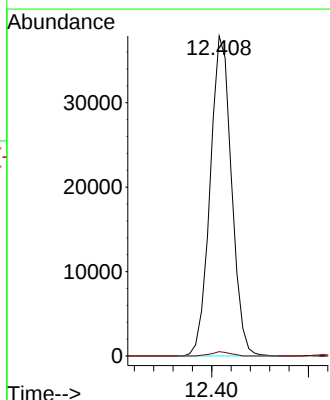
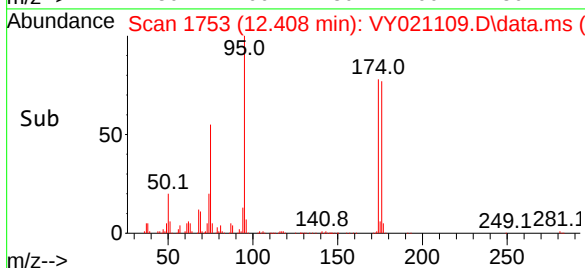
Tgt Ion:152 Resp: 104609
 Ion Ratio Lower Upper
 152 100
 115 58.3 30.0 90.0
 150 153.8 0.0 344.6

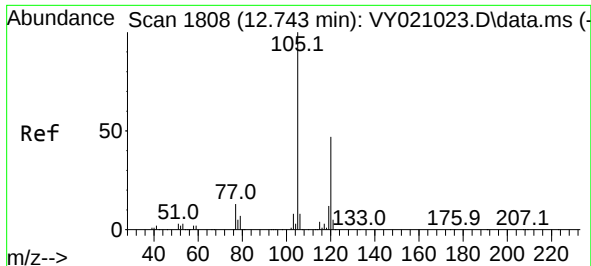


#76
 1,2,3-Trichloropropane
 Concen: 61.263 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021109.D
 Acq: 06 Feb 2025 14:24



Tgt Ion: 75 Resp: 58134
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

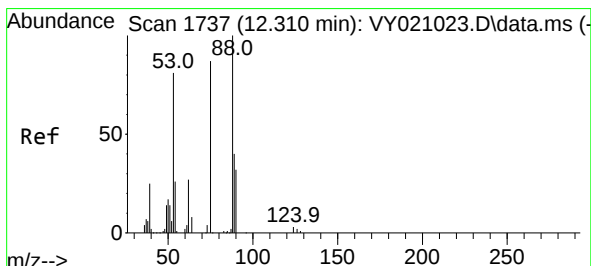
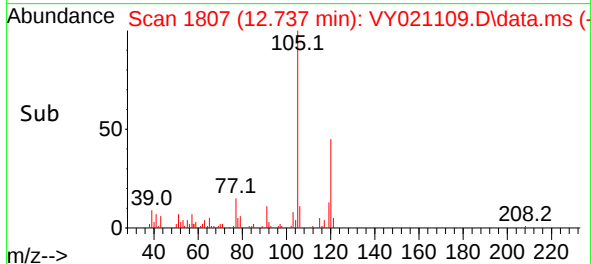
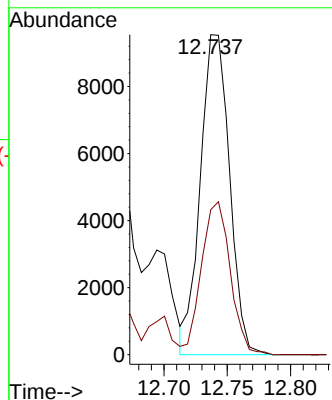
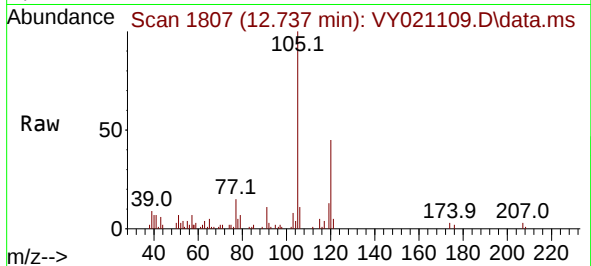




#80
 1,3,5-Trimethylbenzene
 Concen: 2.315 ug/l
 RT: 12.737 min Scan# 1753
 Delta R.T. -0.006 min
 Lab File: VY021109.D
 Acq: 06 Feb 2025 14:24

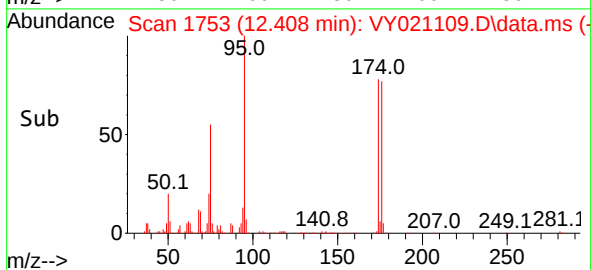
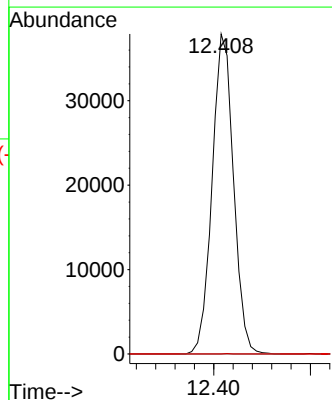
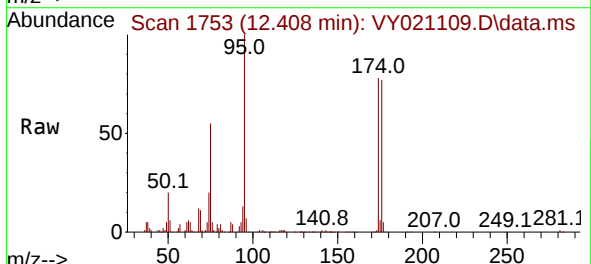
Instrument :
 MSVOA_Y
 ClientSampleId :

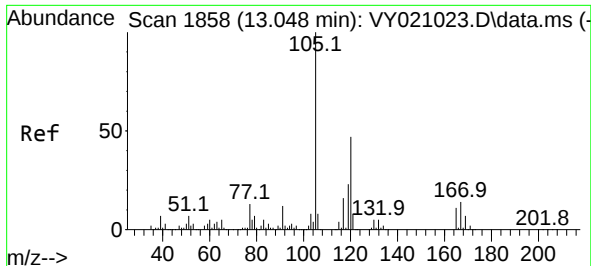
Tgt Ion:105 Resp: 15335
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.3 72.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.005 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.098 min
 Lab File: VY021109.D
 Acq: 06 Feb 2025 14:24

Tgt Ion: 75 Resp: 58134
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.0 36.5 54.7#

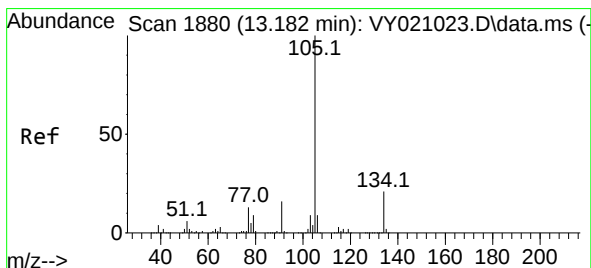
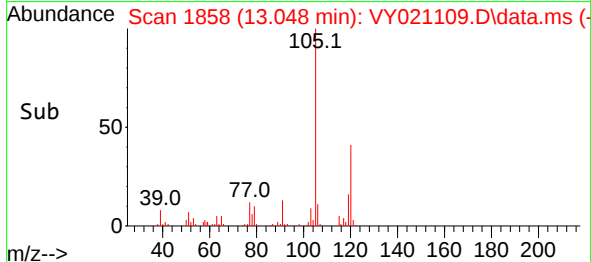
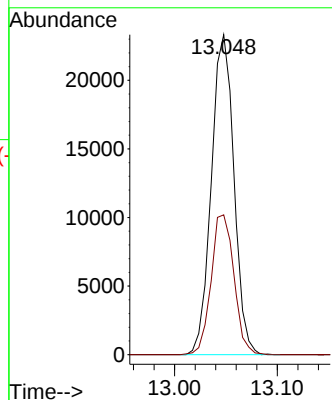
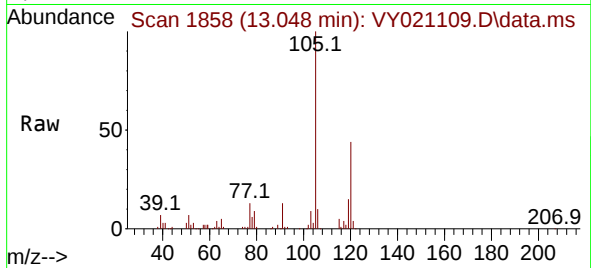




#84
1,2,4-Trimethylbenzene
Concen: 5.499 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

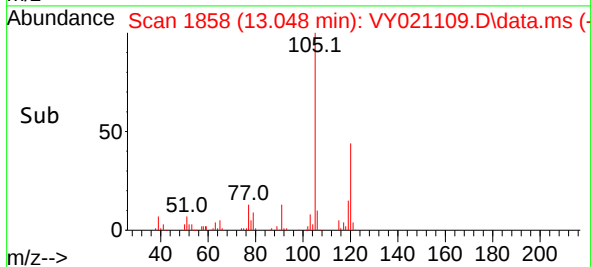
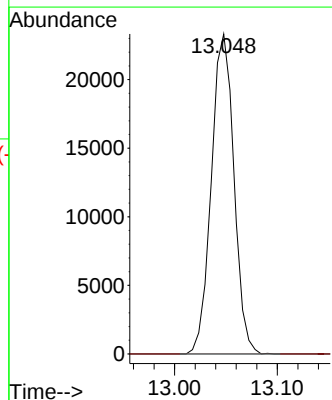
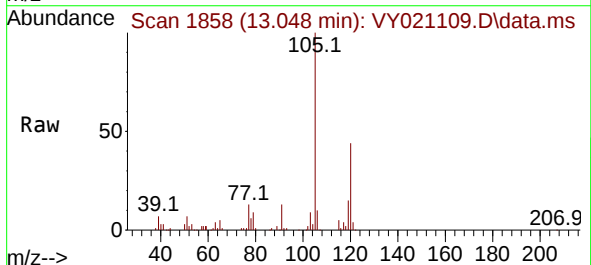
Instrument :
MSVOA_Y
ClientSampleId :

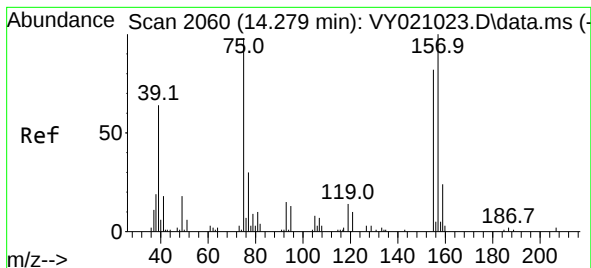
Tgt Ion:105 Resp: 35625
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.3



#85
sec-Butylbenzene
Concen: 4.110 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. -0.134 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

Tgt Ion:105 Resp: 35625
Ion Ratio Lower Upper
105 100
134 0.0 9.7 28.9#

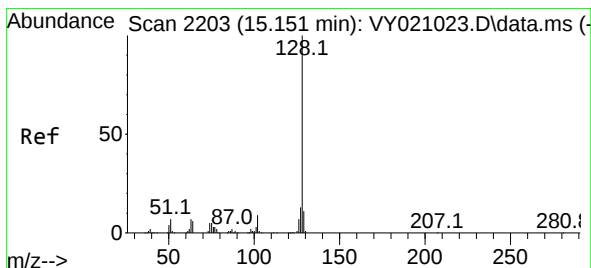
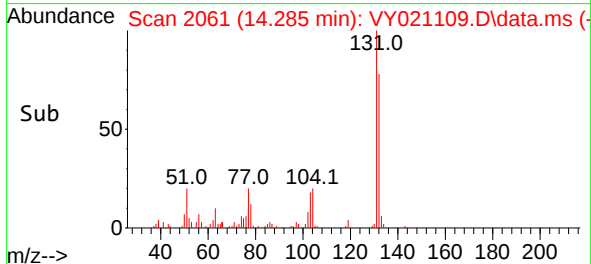
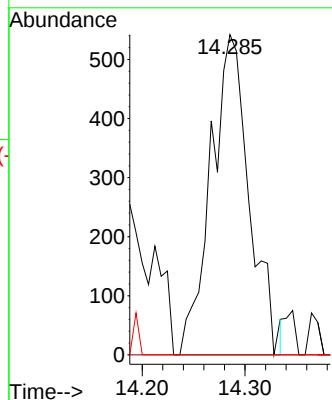
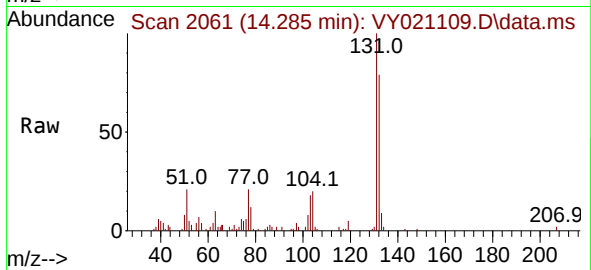




#92
1,2-Dibromo-3-Chloropropane
Concen: 6.948 ug/l
RT: 14.285 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1411
Ion Ratio Lower Upper
75 100
155 0.0 42.1 126.3#
157 0.0 55.8 167.4#



#95
Naphthalene
Concen: 559.078 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. -0.000 min
Lab File: VY021109.D
Acq: 06 Feb 2025 14:24

Tgt Ion: 128 Resp: 1573395
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.0 8.6 12.8

