

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021704.D
 Acq On : 28 Mar 2025 19:55
 Operator : SY/MD
 Sample : Q1664-19
 Misc : 4.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-007-01

Quant Time: Mar 28 23:49:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

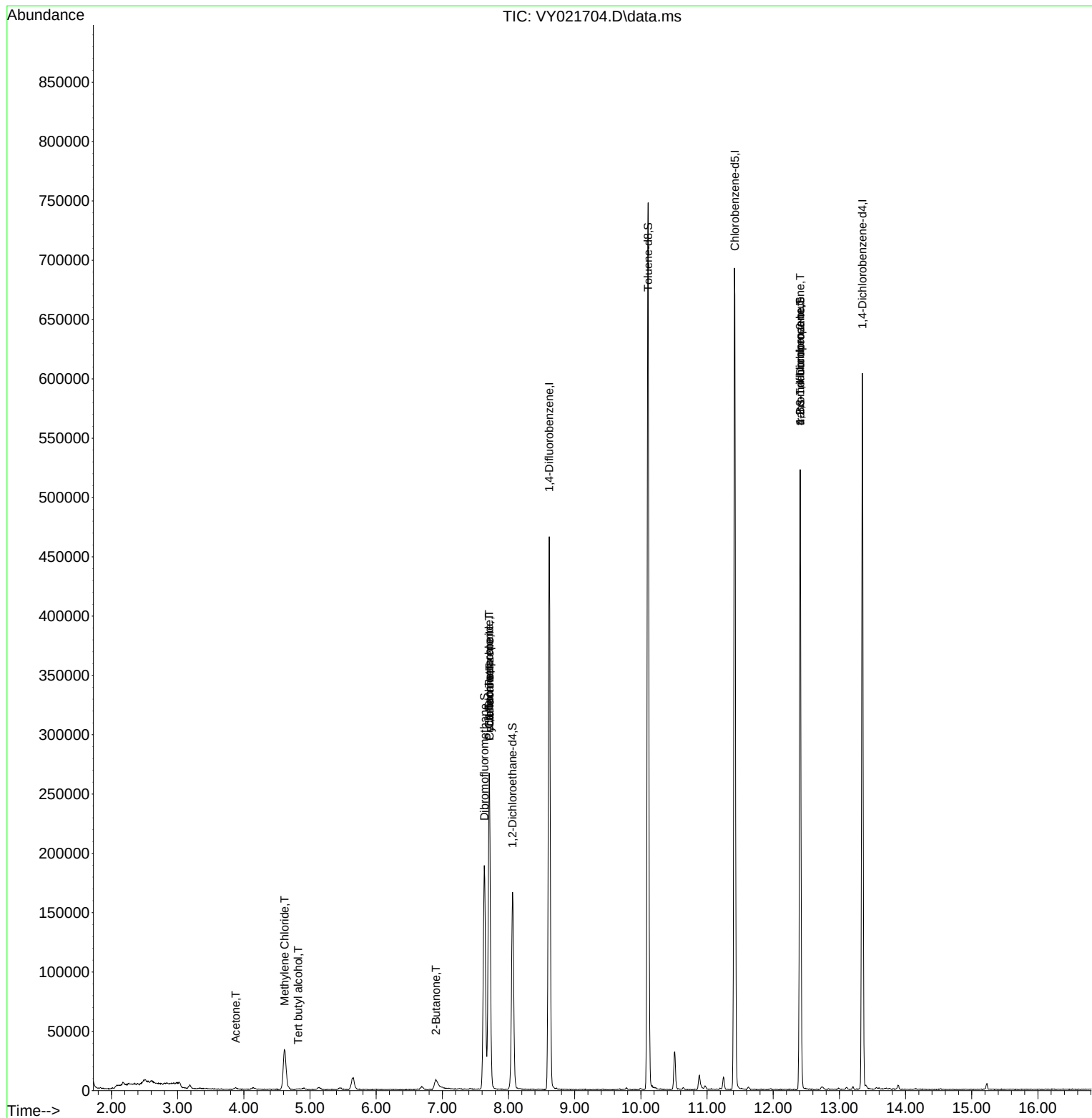
Internal Standards						
1) Pentafluorobenzene	7.713	168	201473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	380843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	353621	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	142833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130832	59.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.860%
35) Dibromofluoromethane	7.634	113	132149	53.492	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.980%
50) Toluene-d8	10.109	98	469358	49.940	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.880%
62) 4-Bromofluorobenzene	12.408	95	146340	46.034	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.824	59	523	3.689	ug/l #	70
16) Acetone	3.879	43	2118	4.741	ug/l #	76
20) Methylene Chloride	4.616	84	23902	7.658	ug/l	99
25) 2-Butanone	6.902	43	969	1.519	ug/l #	48
31) Cyclohexane	7.713	56	4721	1.225	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	16460	4.374	ug/l #	51
38) Carbon Tetrachloride	7.707	117	20597	4.779	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	79209	55.945	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	79209	128.906	ug/l #	12

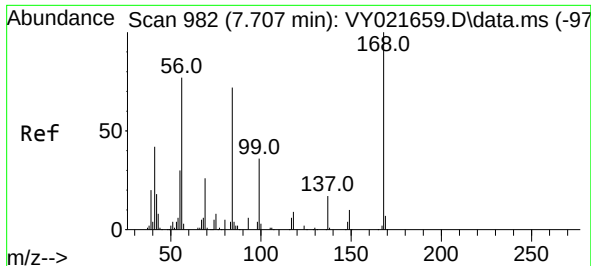
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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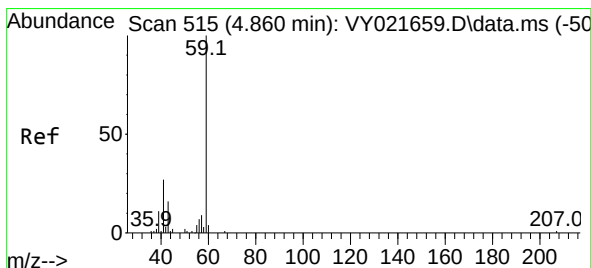
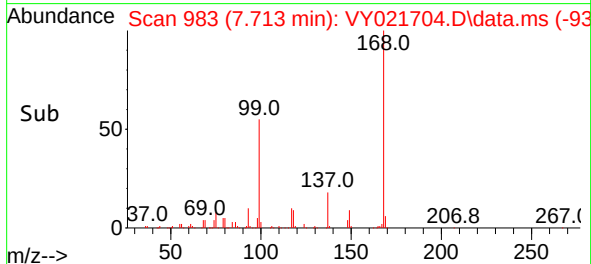
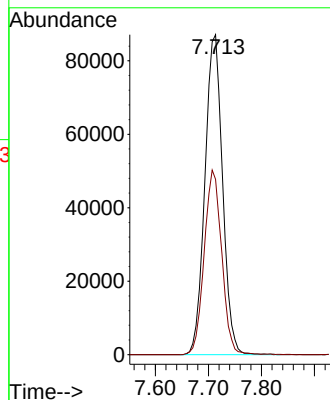
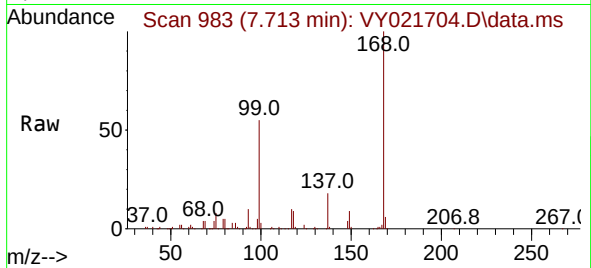




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021704.D
Acq: 28 Mar 2025 19:55

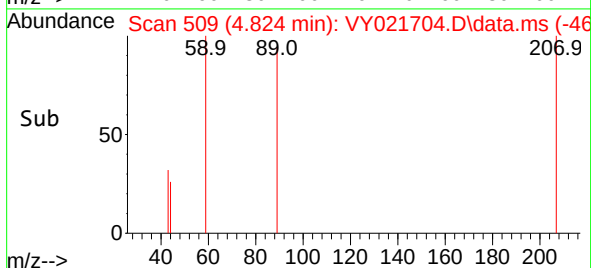
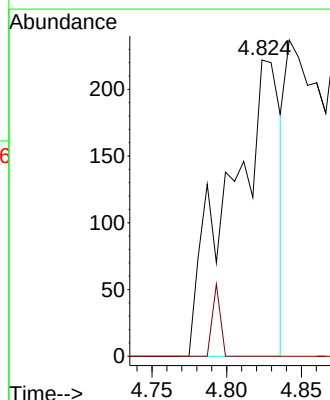
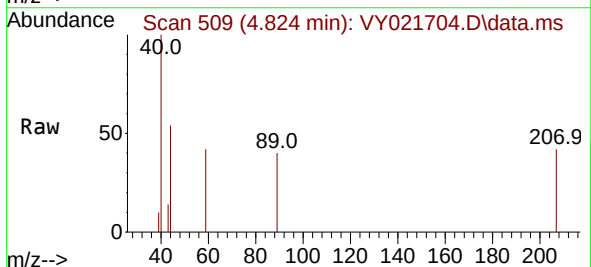
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-007-01

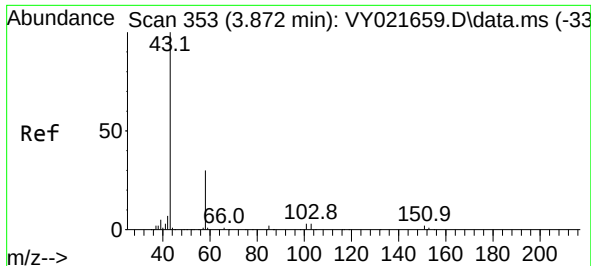
Tgt Ion:168 Resp: 201473
Ion Ratio Lower Upper
168 100
99 54.8 46.7 70.1



#11
Tert butyl alcohol
Concen: 3.689 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.036 min
Lab File: VY021704.D
Acq: 28 Mar 2025 19:55

Tgt Ion: 59 Resp: 523
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

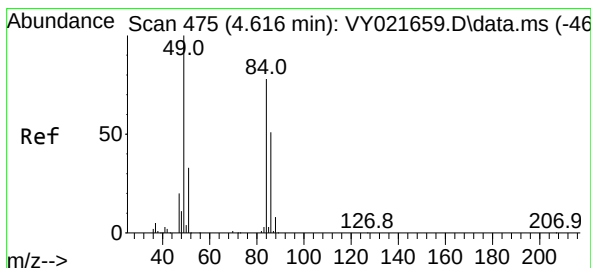
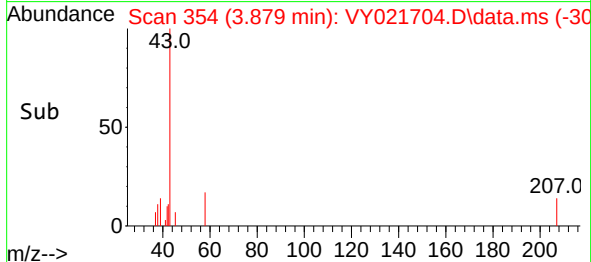
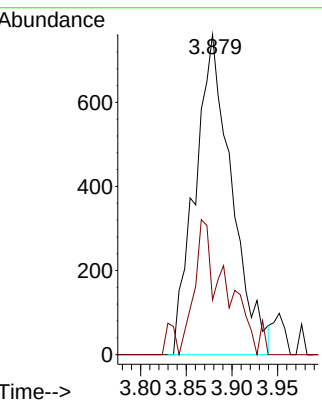
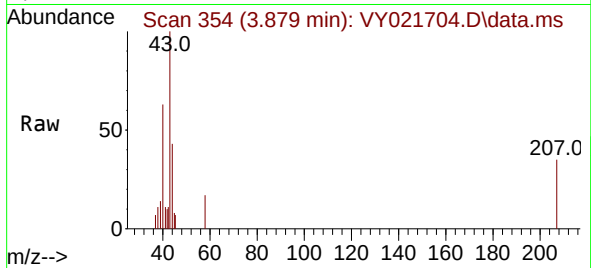




#16
Acetone
Concen: 4.741 ug/l
RT: 3.879 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY021704.D
Acq: 28 Mar 2025 19:55

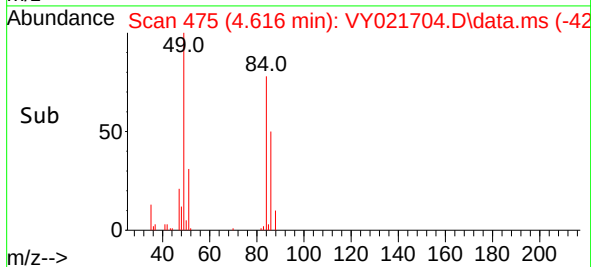
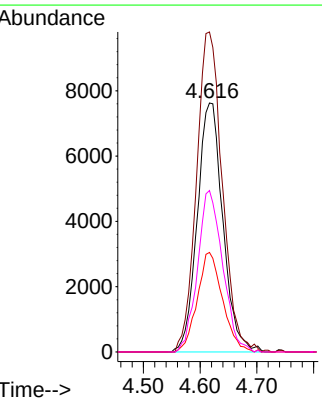
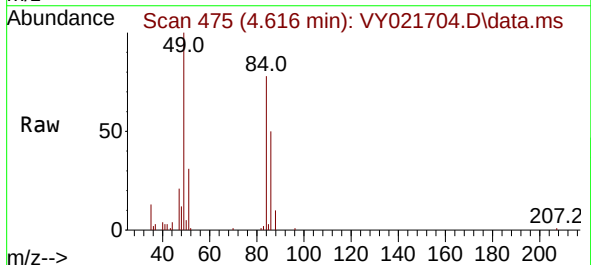
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-007-01

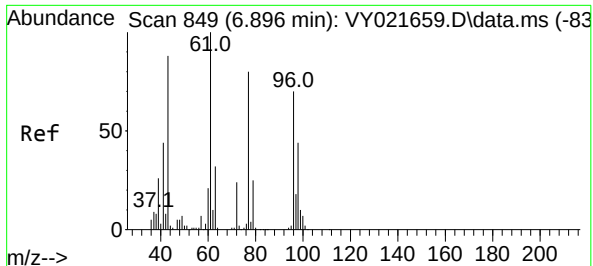
Tgt Ion: 43 Resp: 2118
Ion Ratio Lower Upper
43 100
58 17.1 24.2 36.4#



#20
Methylene Chloride
Concen: 7.658 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021704.D
Acq: 28 Mar 2025 19:55

Tgt Ion: 84 Resp: 23902
Ion Ratio Lower Upper
84 100
49 128.5 102.8 154.2
51 39.9 33.5 50.3
86 64.8 52.0 78.0

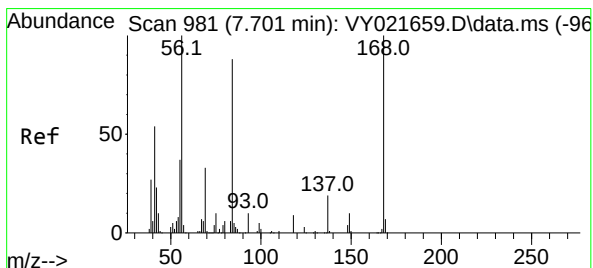
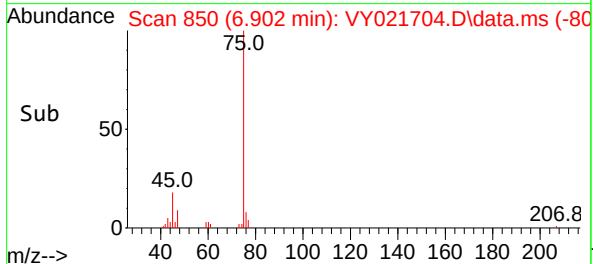
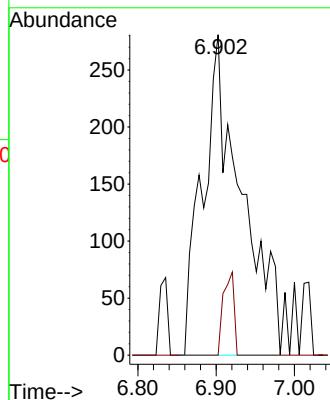
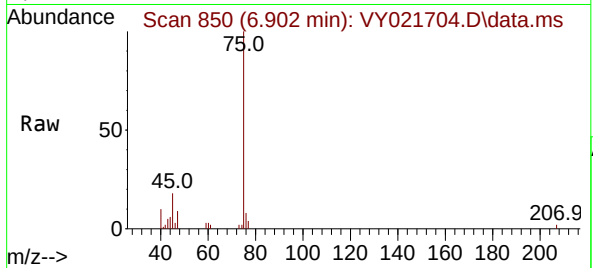




#25
2-Butanone
Concen: 1.519 ug/l
RT: 6.902 min Scan# 81
Delta R.T. 0.006 min
Lab File: VY021704.D
Acq: 28 Mar 2025 19:55

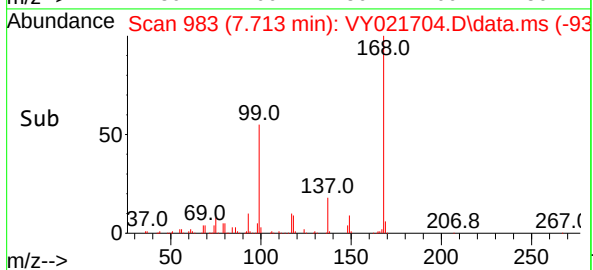
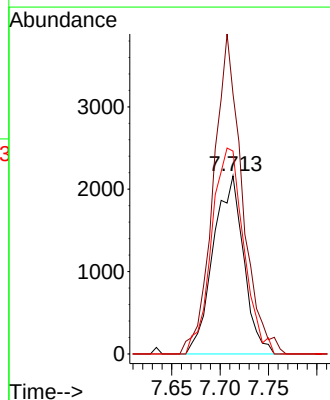
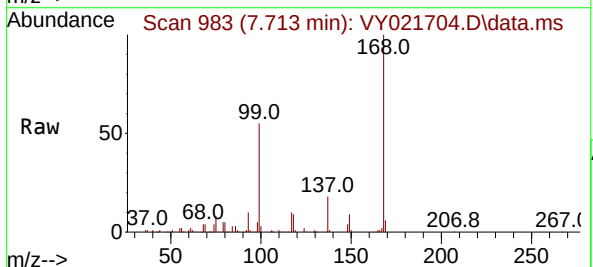
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-007-01

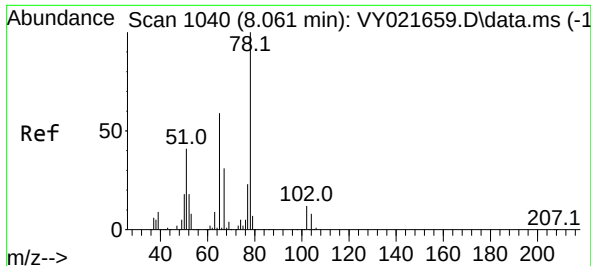
Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY021704.D
Acq: 28 Mar 2025 19:55

Tgt Ion: 56 Resp: 4721
Ion Ratio Lower Upper
56 100
69 146.2 26.6 40.0#
84 114.0 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 59.935 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021704.D

Acq: 28 Mar 2025 19:55

Instrument :

MSVOA_Y

ClientSampleId :

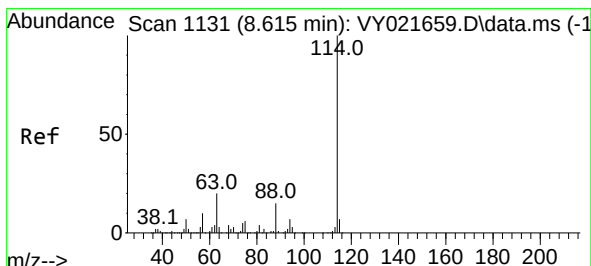
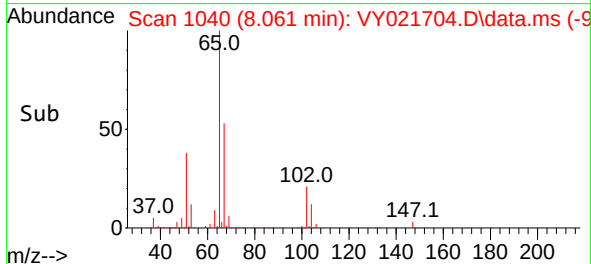
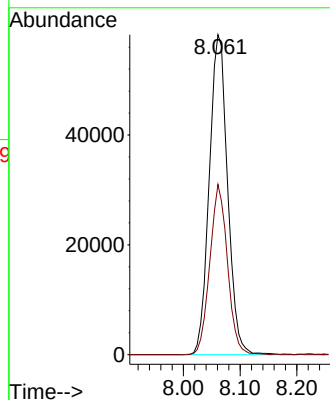
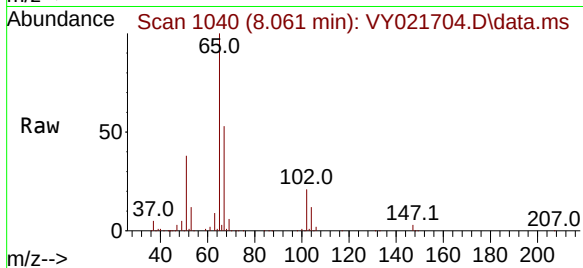
P001-BBDGA-007-01

Tgt Ion: 65 Resp: 130832

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021704.D

Acq: 28 Mar 2025 19:55

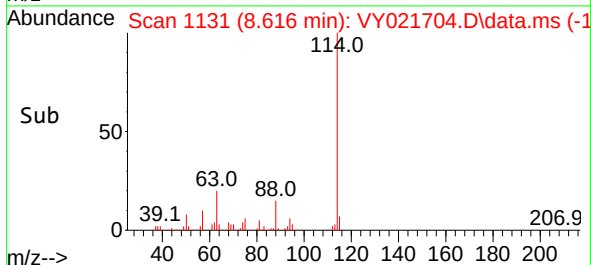
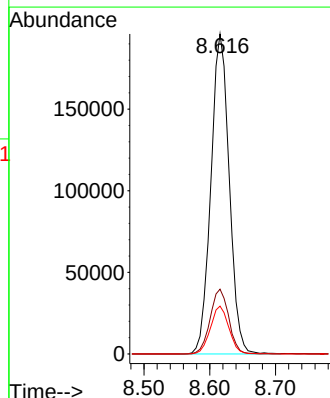
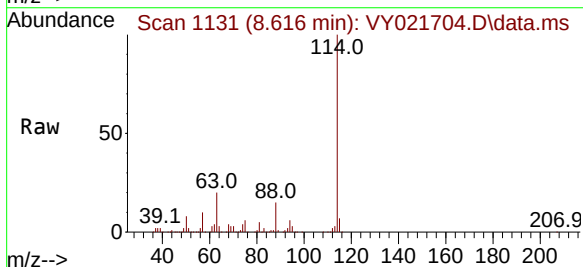
Tgt Ion: 114 Resp: 380843

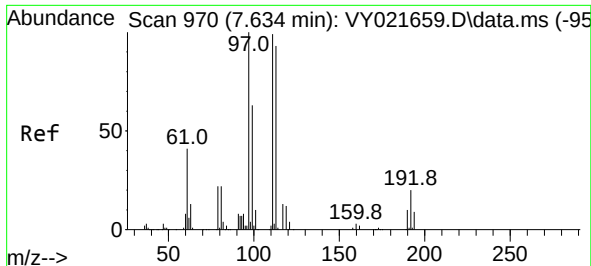
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.0 0.0 29.8

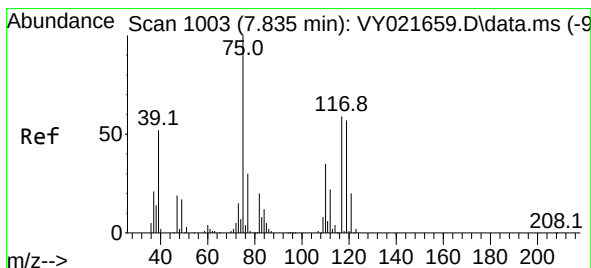
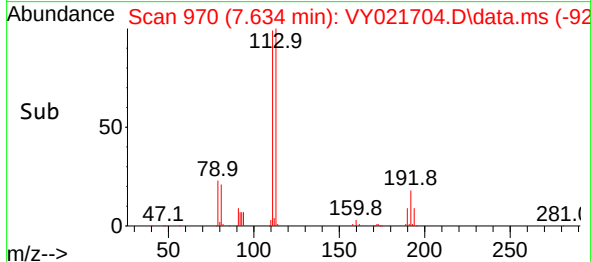
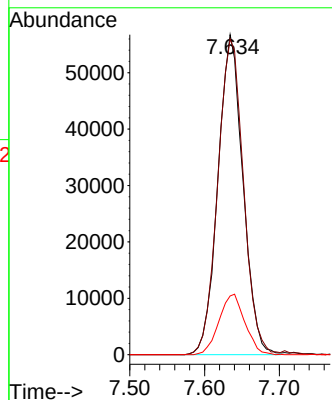
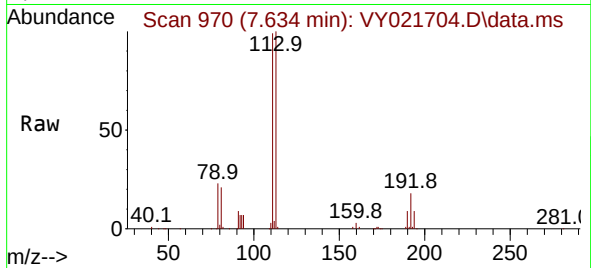




#35
Dibromofluoromethane
Concen: 53.492 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021704.D
Acq: 28 Mar 2025 19:55

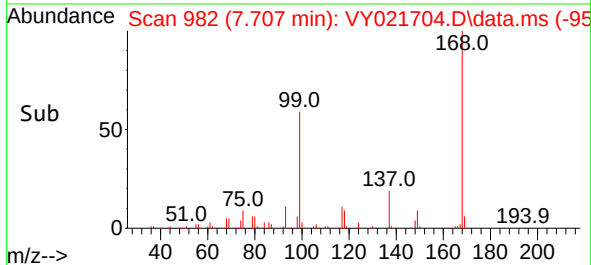
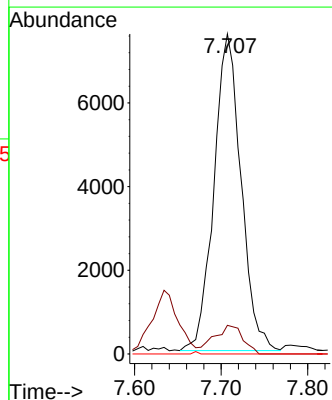
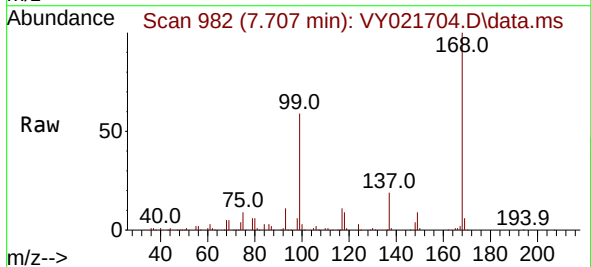
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-007-01

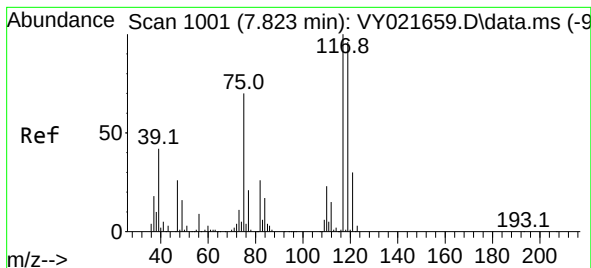
Tgt Ion:113 Resp: 132149
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 19.5 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.374 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021704.D
Acq: 28 Mar 2025 19:55

Tgt Ion: 75 Resp: 16460
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 4.779 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY021704.D

Acq: 28 Mar 2025 19:55

Instrument :

MSVOA_Y

ClientSampleId :

P001-BBDGA-007-01

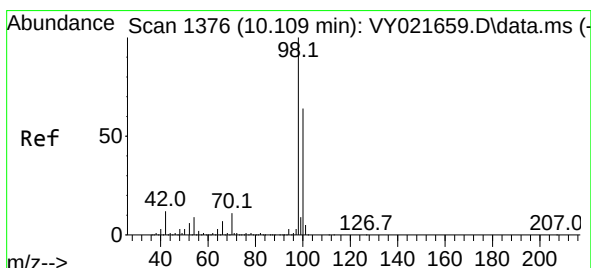
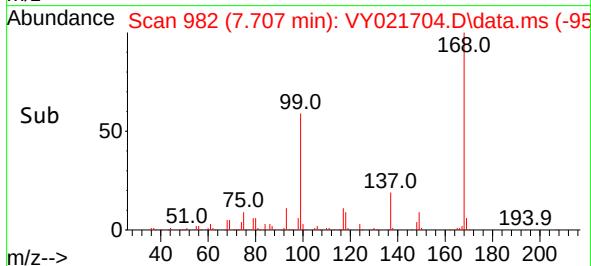
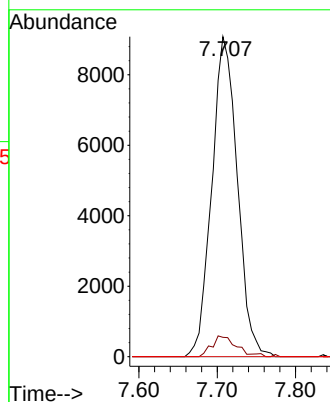
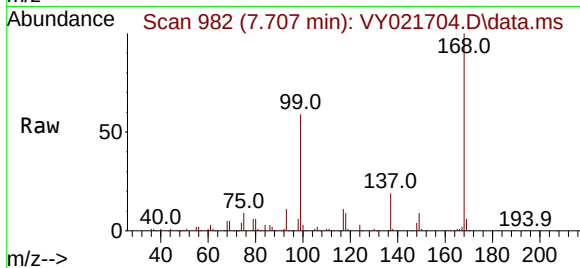
Tgt Ion:117 Resp: 20597

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.4#

121 0.0 24.2 36.4#



#50

Toluene-d8

Concen: 49.940 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021704.D

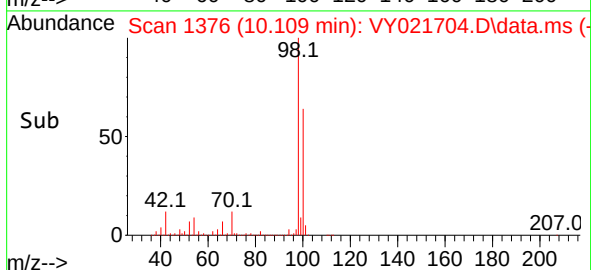
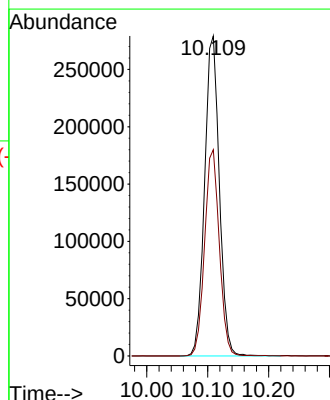
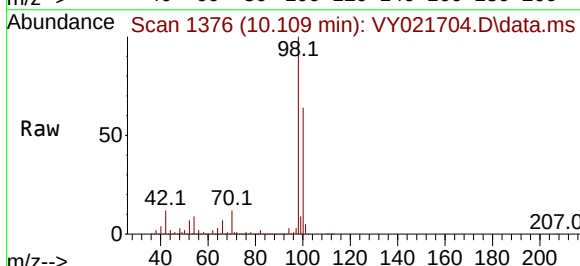
Acq: 28 Mar 2025 19:55

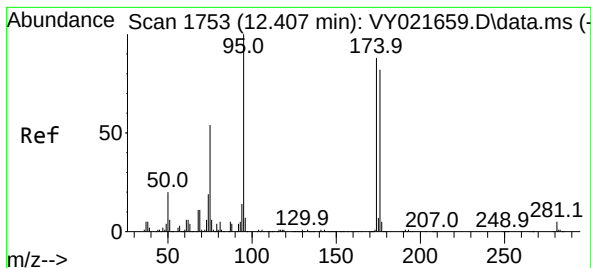
Tgt Ion: 98 Resp: 469358

Ion Ratio Lower Upper

98 100

100 64.5 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 46.034 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021704.D

Acq: 28 Mar 2025 19:55

Instrument :

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P001-BBDGA-007-01

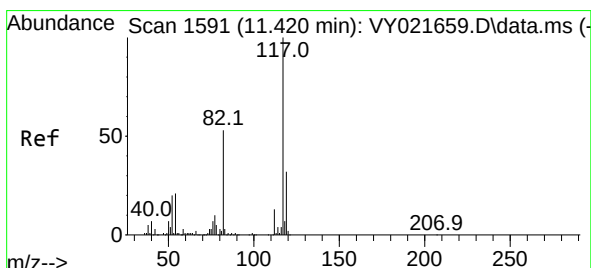
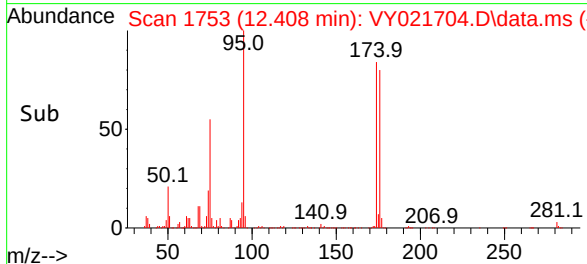
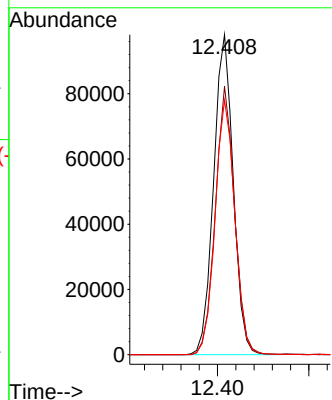
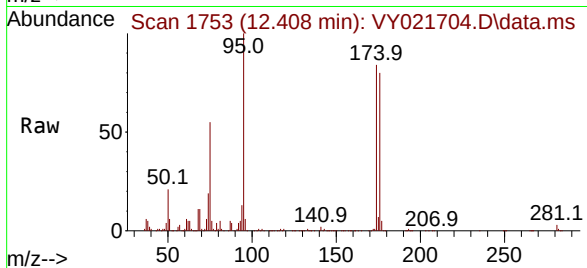
Tgt Ion: 95 Resp: 146340

Ion Ratio Lower Upper

95 100

174 82.4 0.0 170.8

176 80.1 0.0 162.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.000 min

Lab File: VY021704.D

Acq: 28 Mar 2025 19:55

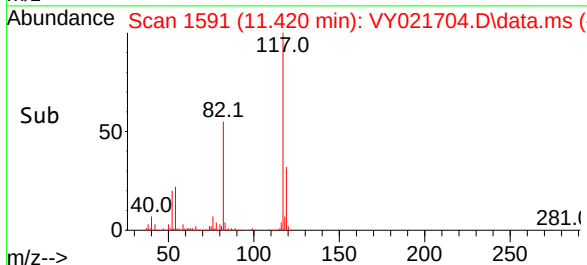
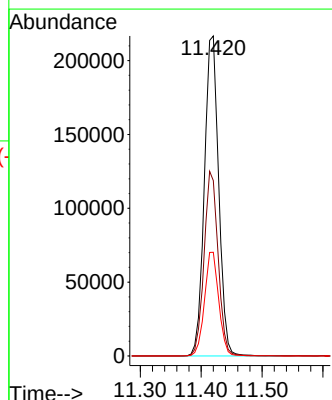
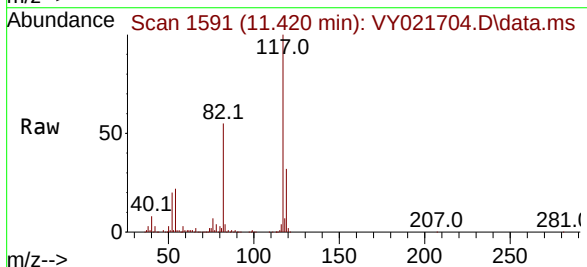
Tgt Ion: 117 Resp: 353621

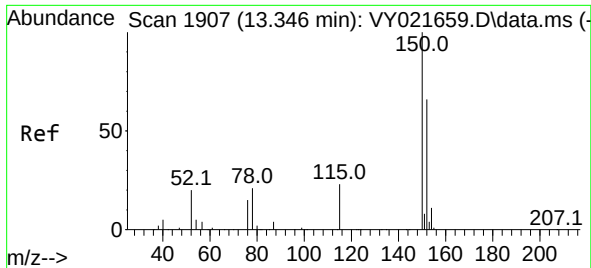
Ion Ratio Lower Upper

117 100

82 54.8 42.8 64.2

119 32.4 25.7 38.5

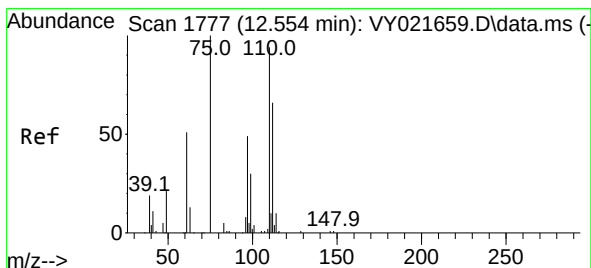
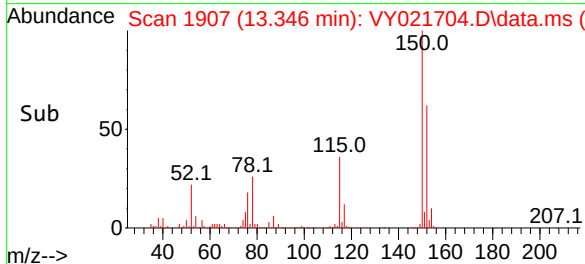
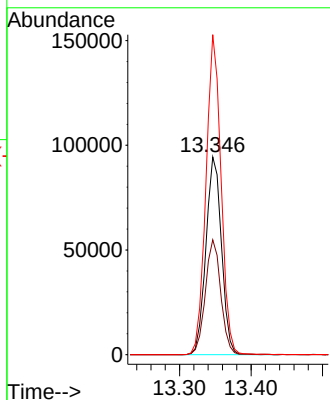
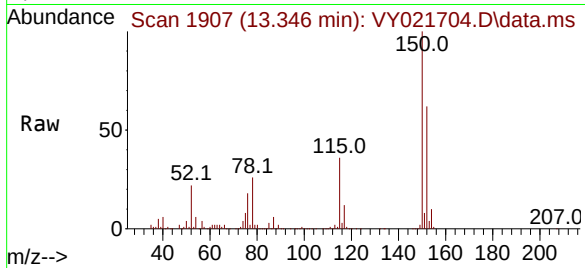




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021704.D
 Acq: 28 Mar 2025 19:55

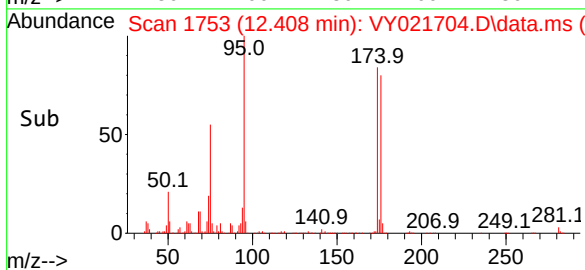
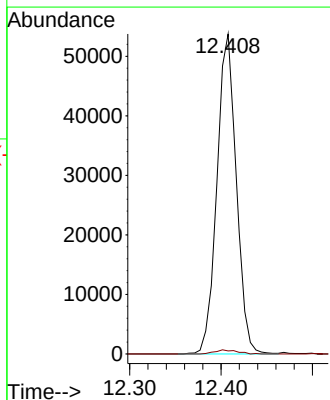
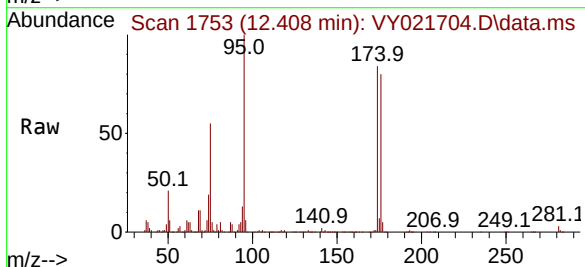
Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-007-01

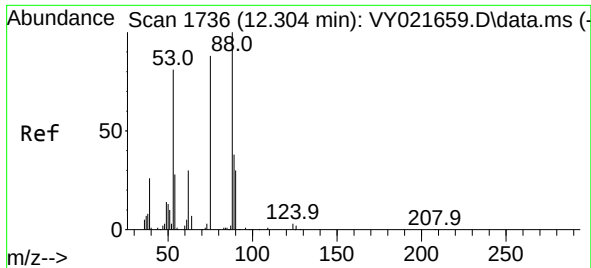
Tgt Ion:152 Resp: 142833
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.8 86.5
 150 156.7 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 55.945 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021704.D
 Acq: 28 Mar 2025 19:55

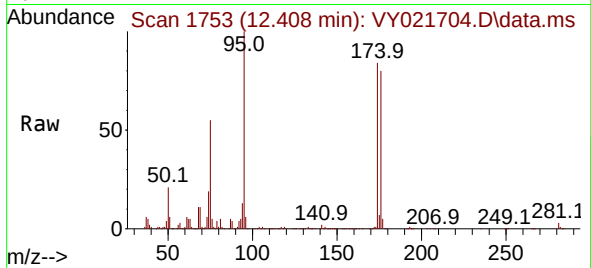
Tgt Ion: 75 Resp: 79209
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.906 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021704.D
 Acq: 28 Mar 2025 19:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-007-01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	76.1	114.1#
89	0.2	36.2	54.4#

