

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021697.D
 Acq On : 28 Mar 2025 17:12
 Operator : SY/MD
 Sample : Q1664-03MSD
 Misc : 4.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-001-01MSD

Quant Time: Mar 28 23:46:22 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)

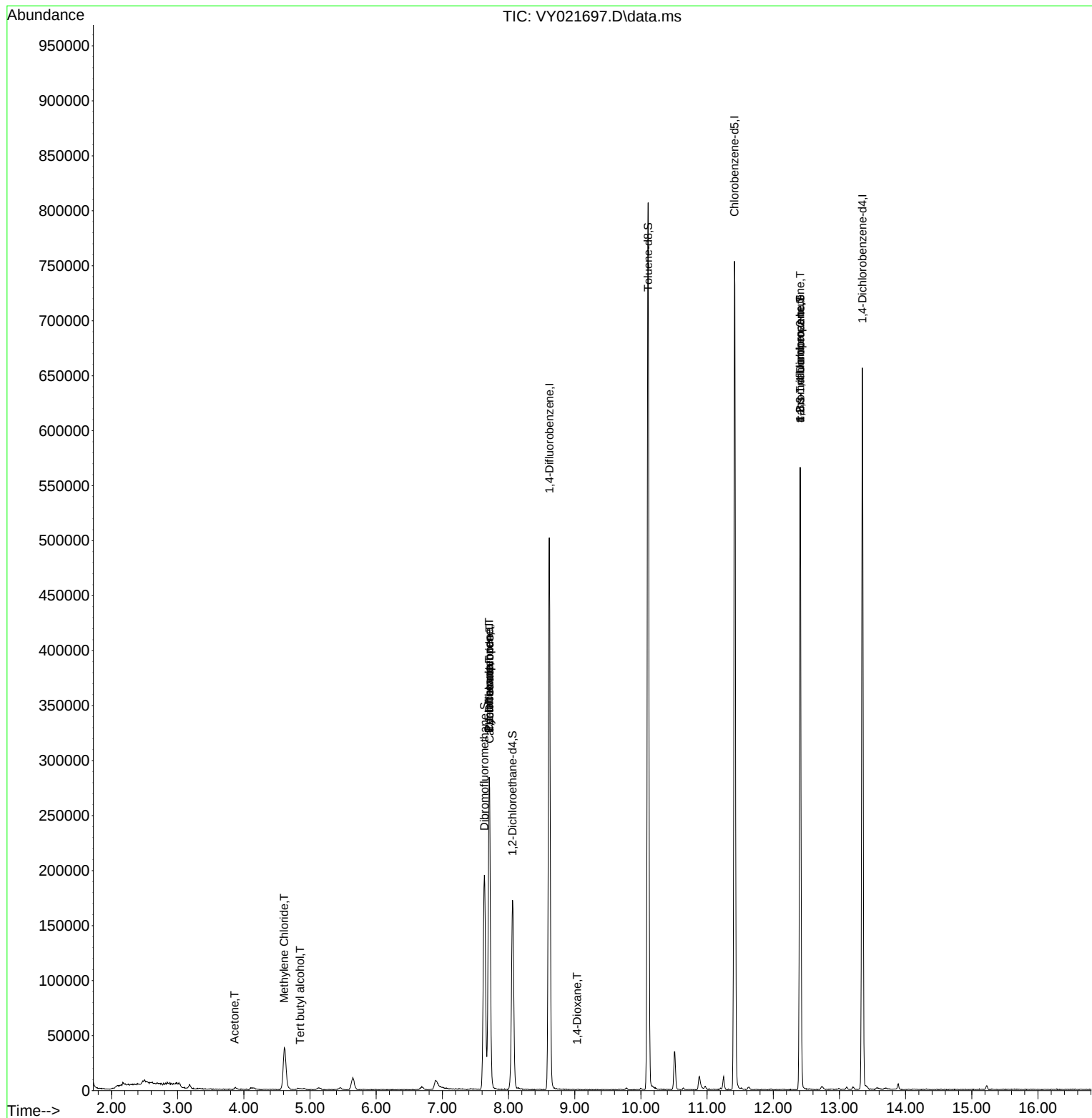
Internal Standards						
1) Pentafluorobenzene	7.707	168	216014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	412793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	388993	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	158421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135436	57.868	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.740%			
35) Dibromofluoromethane	7.634	113	139695	52.169	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.340%			
50) Toluene-d8	10.109	98	511308	50.193	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.380%			
62) 4-Bromofluorobenzene	12.407	95	159422	46.267	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.540%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	888	5.841	ug/l #	76
16) Acetone	3.860	43	2653	5.539	ug/l #	86
20) Methylene Chloride	4.610	84	28192	8.845	ug/l	94
31) Cyclohexane	7.707	56	5207	1.261	ug/l #	6
36) 1,1-Dichloropropene	7.707	75	17300	4.242	ug/l #	51
38) Carbon Tetrachloride	7.713	117	22010	4.712	ug/l #	15
49) 1,4-Dioxane	9.036	88	23	1.289	ug/l #	13
76) 1,2,3-Trichloropropane	12.407	75	85879	54.687	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	85879	126.009	ug/l #	12

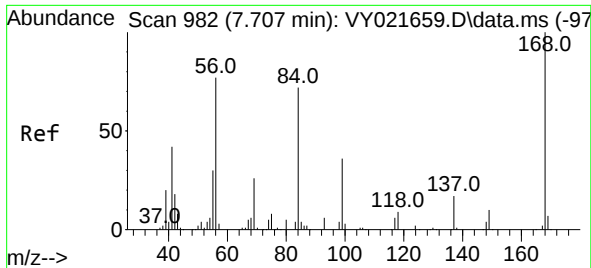
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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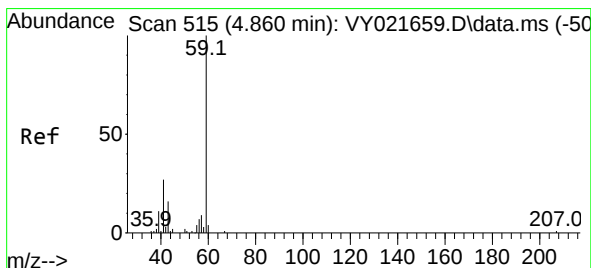
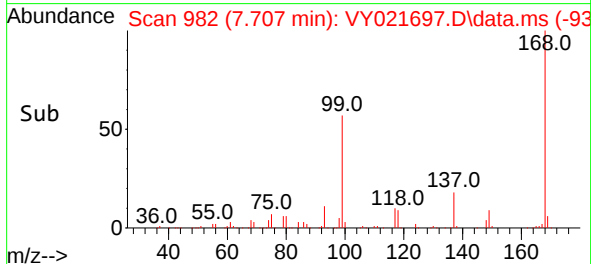
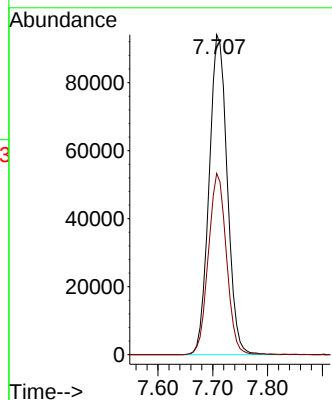
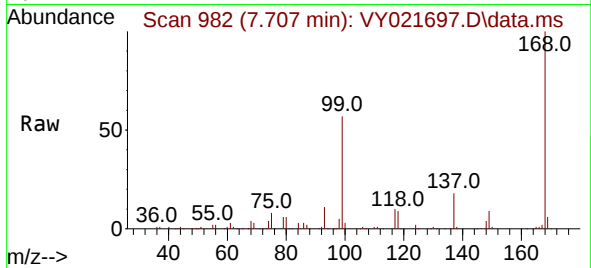




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021697.D
Acq: 28 Mar 2025 17:12

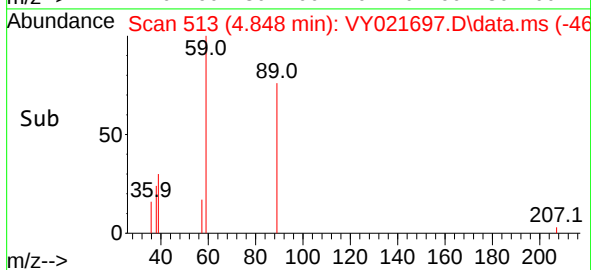
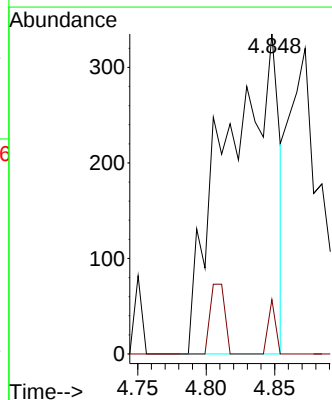
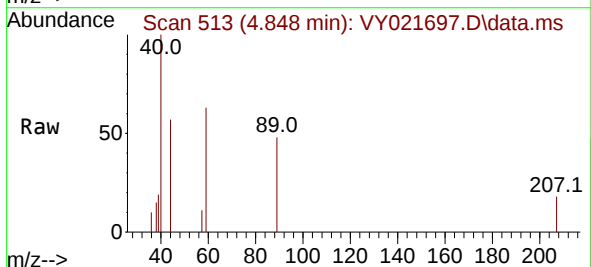
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01MSD

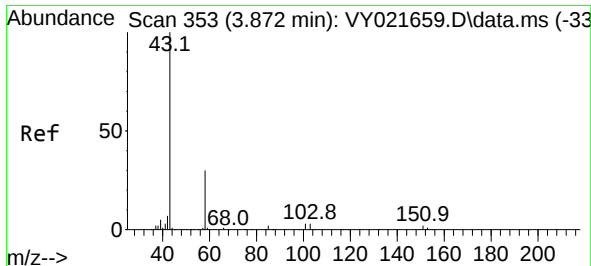
Tgt Ion:168 Resp: 216014
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#11
Tert butyl alcohol
Concen: 5.841 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY021697.D
Acq: 28 Mar 2025 17:12

Tgt Ion: 59 Resp: 888
Ion Ratio Lower Upper
59 100
57 2.4 9.2 13.8#





#16

Acetone

Concen: 5.539 ug/l

RT: 3.860 min Scan# 31

Delta R.T. -0.012 min

Lab File: VY021697.D

Acq: 28 Mar 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

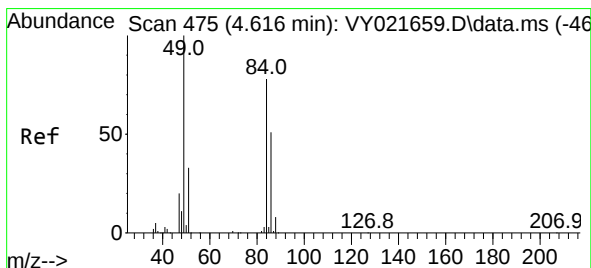
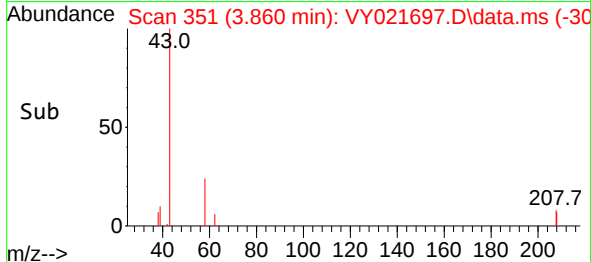
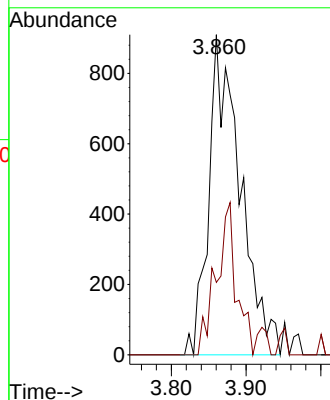
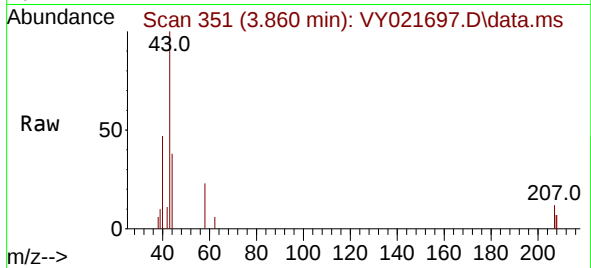
P001-BBDGA-001-01MSD

Tgt Ion: 43 Resp: 2653

Ion Ratio Lower Upper

43 100

58 22.6 24.2 36.4#



#20

Methylene Chloride

Concen: 8.845 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY021697.D

Acq: 28 Mar 2025 17:12

Tgt Ion: 84 Resp: 28192

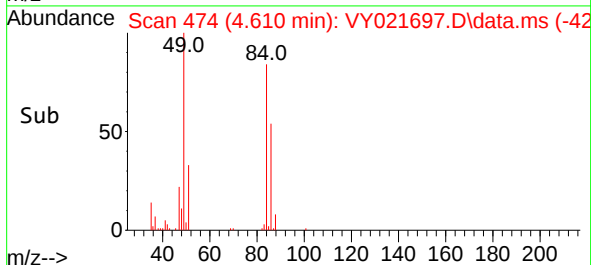
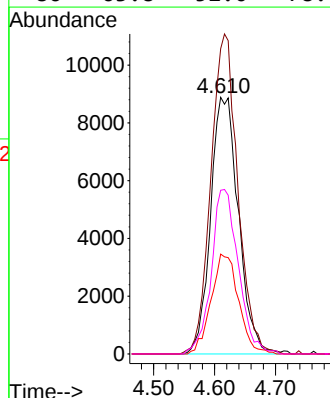
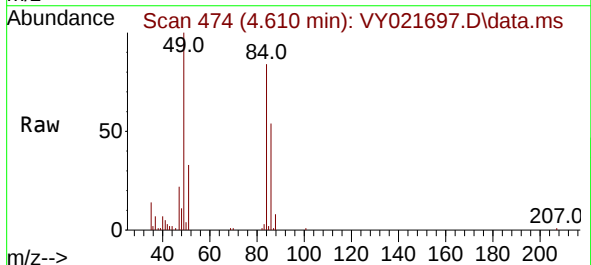
Ion Ratio Lower Upper

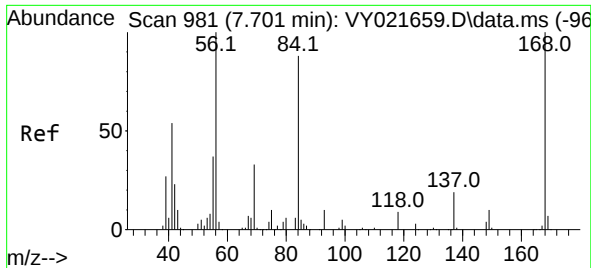
84 100

49 119.0 102.8 154.2

51 38.9 33.5 50.3

86 63.8 52.0 78.0

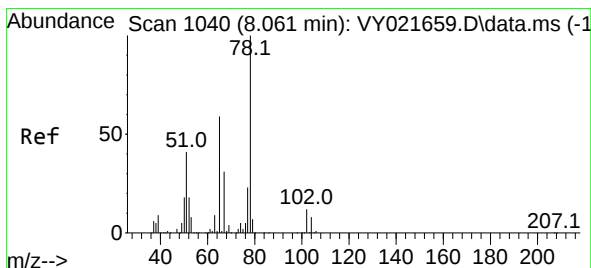
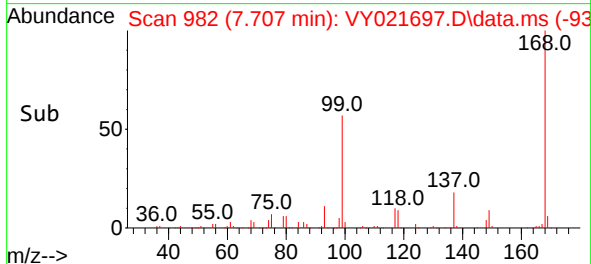
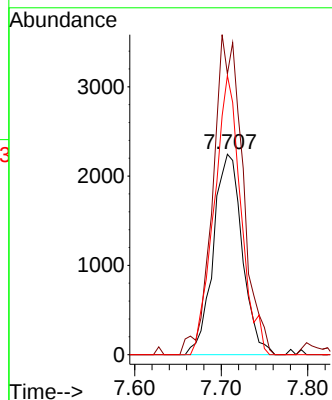
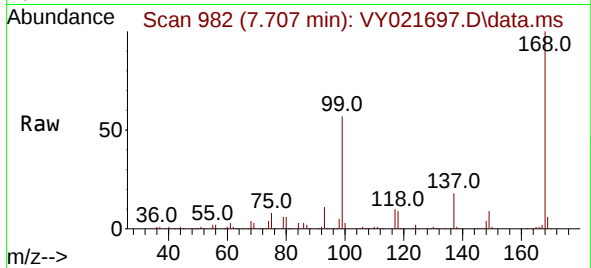




#31
Cyclohexane
Concen: 1.261 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021697.D
Acq: 28 Mar 2025 17:12

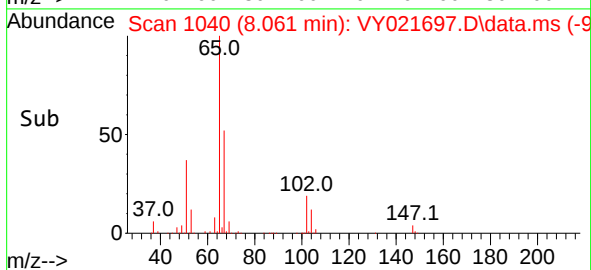
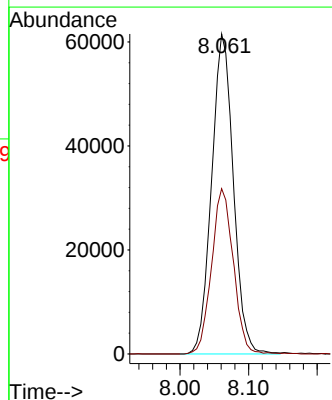
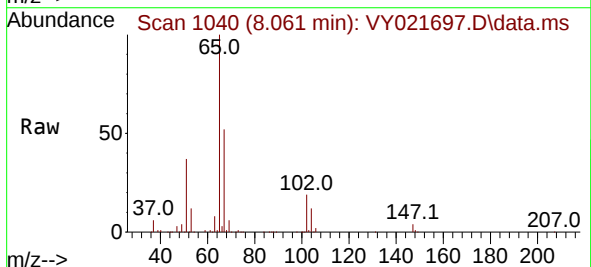
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01MSD

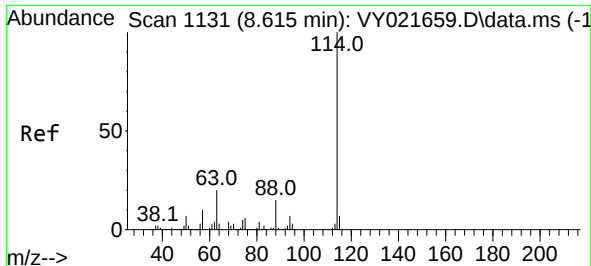
Tgt Ion: 56 Resp: 5207
Ion Ratio Lower Upper
56 100
69 140.0 26.6 40.0#
84 139.1 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 57.868 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021697.D
Acq: 28 Mar 2025 17:12

Tgt Ion: 65 Resp: 135436
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021697.D

Acq: 28 Mar 2025 17:12

Instrument :

MSVOA_Y

ClientSampleId :

P001-BBDGA-001-01MSD

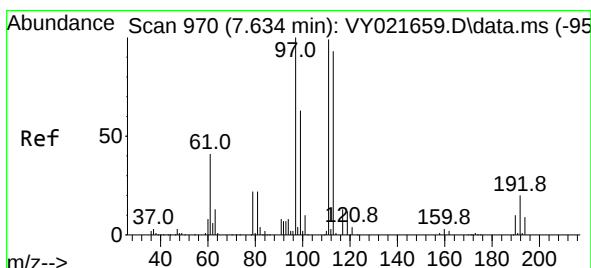
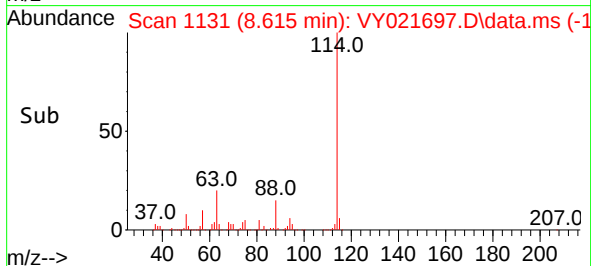
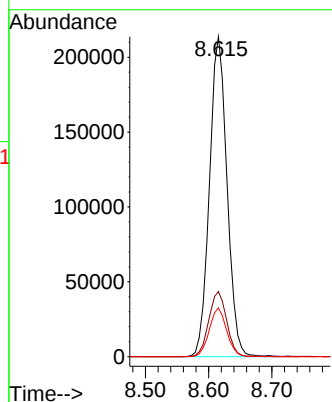
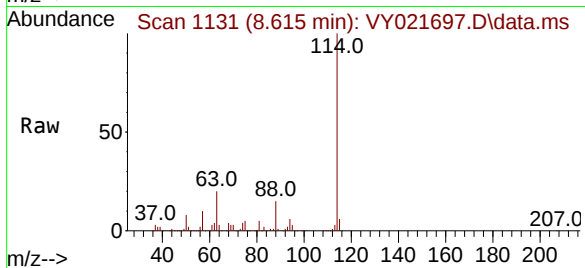
Tgt Ion:114 Resp: 412793

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.169 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021697.D

Acq: 28 Mar 2025 17:12

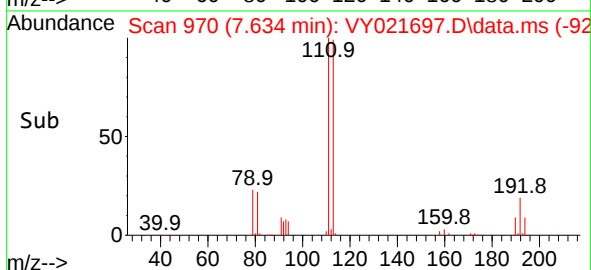
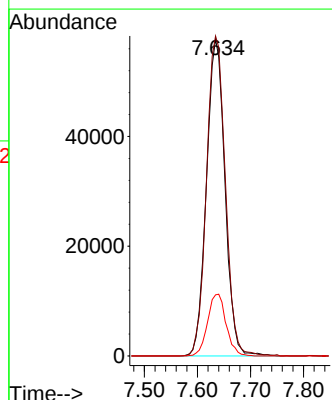
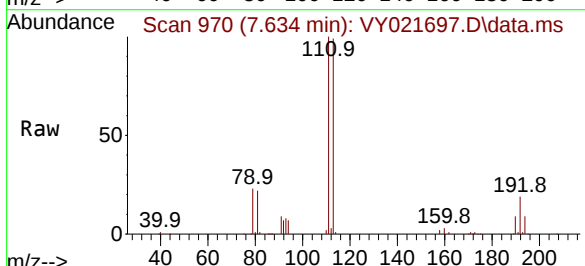
Tgt Ion:113 Resp: 139695

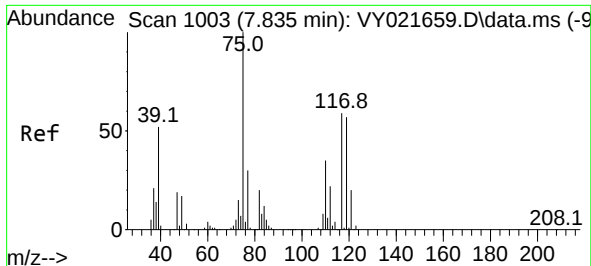
Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 19.5 16.2 24.4

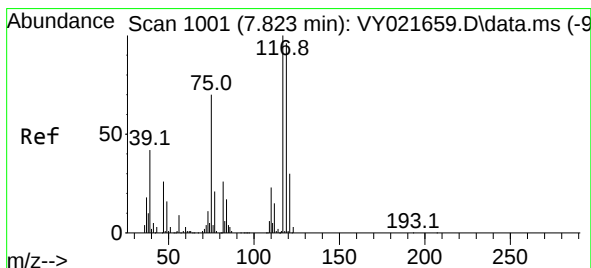
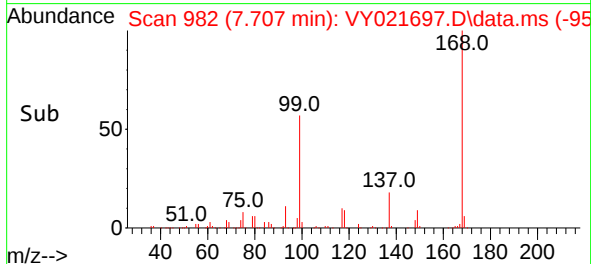
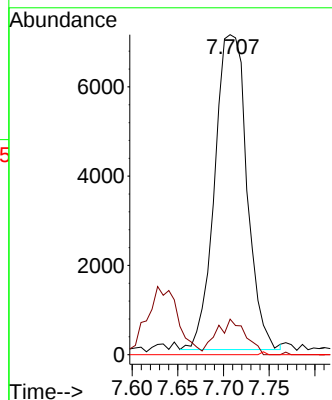
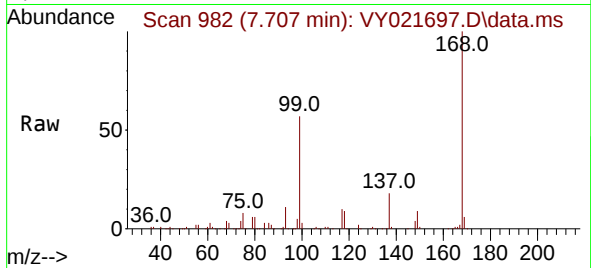




#36
1,1-Dichloropropene
Concen: 4.242 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021697.D
Acq: 28 Mar 2025 17:12

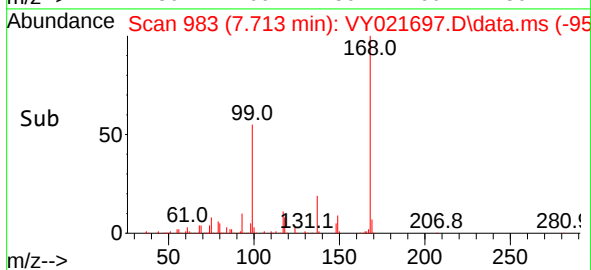
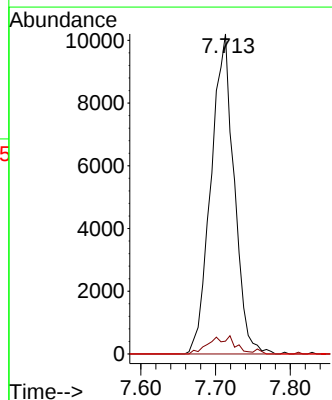
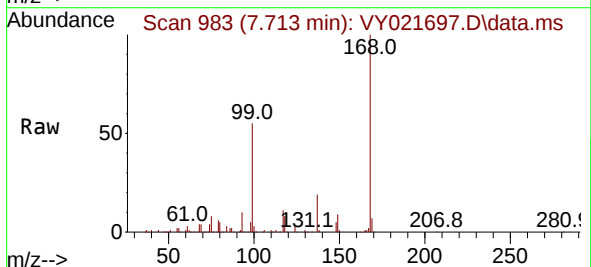
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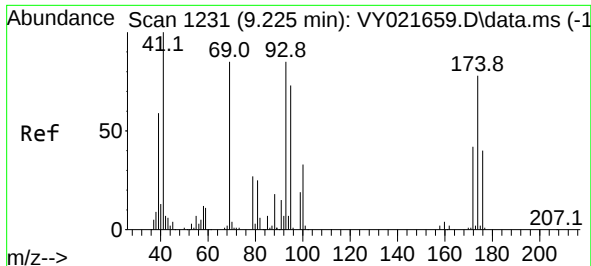
Tgt Ion: 75 Resp: 17300
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.712 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.110 min
Lab File: VY021697.D
Acq: 28 Mar 2025 17:12

Tgt Ion: 117 Resp: 22010
Ion Ratio Lower Upper
117 100
119 4.0 76.2 114.4#
121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 1.289 ug/l

RT: 9.036 min Scan# 11

Delta R.T. -0.189 min

Lab File: VY021697.D

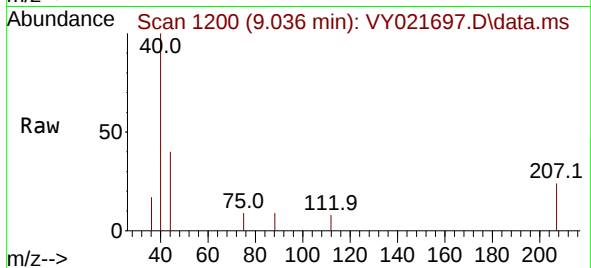
Acq: 28 Mar 2025 17:12

Instrument :

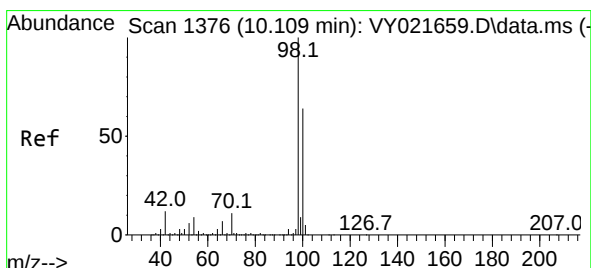
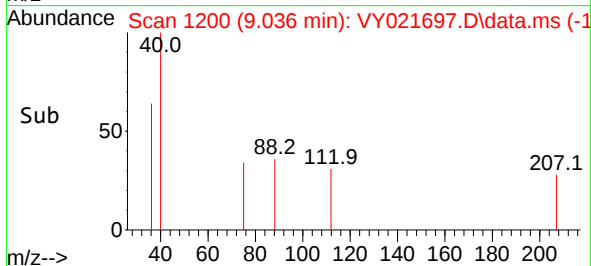
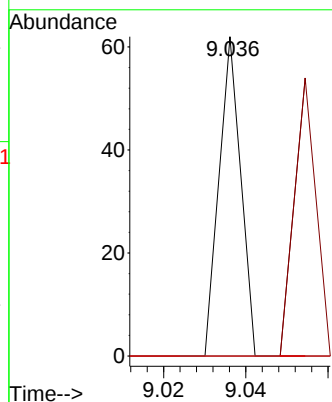
MSVOA_Y

ClientSampleId :

P001-BBDGA-001-01MSD



Tgt Ion:	88	Resp:	23
Ion	Ratio	Lower	Upper
88	100		
43	87.0	28.8	43.2#
58	0.0	59.4	89.2#



#50

Toluene-d8

Concen: 50.193 ug/l

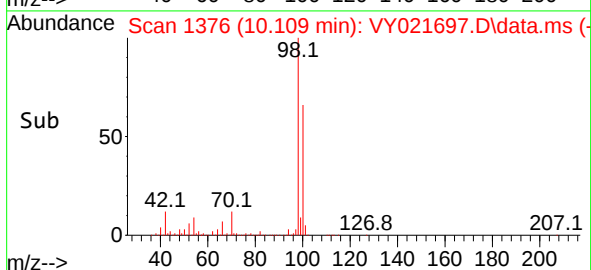
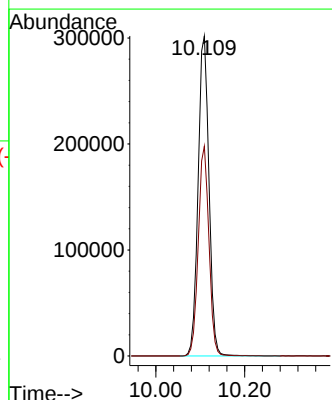
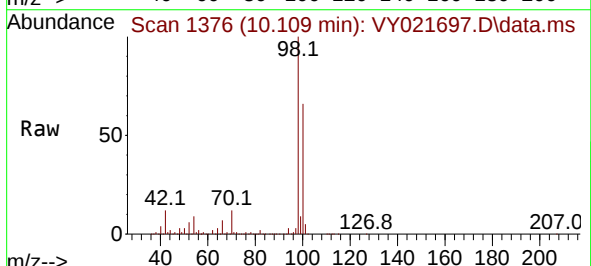
RT: 10.109 min Scan# 1376

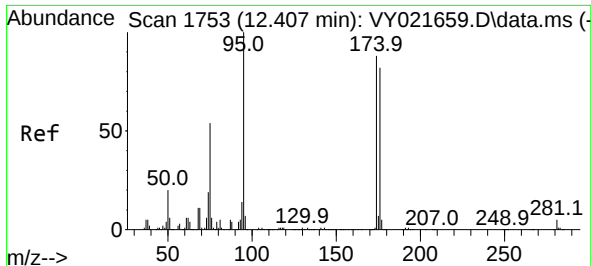
Delta R.T. 0.000 min

Lab File: VY021697.D

Acq: 28 Mar 2025 17:12

Tgt Ion:	98	Resp:	511308
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

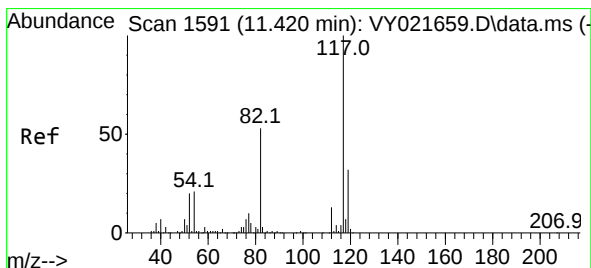
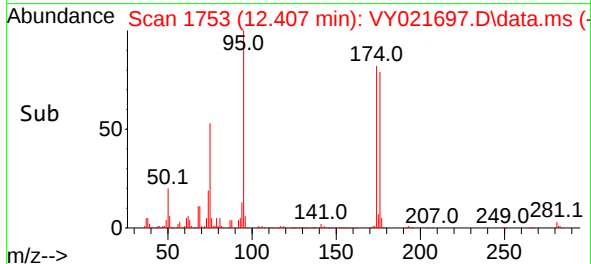
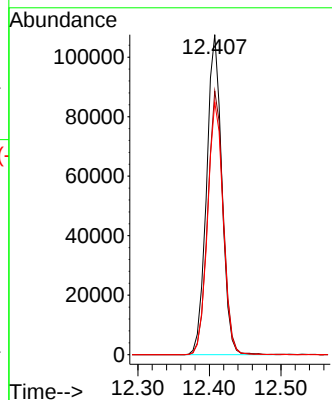
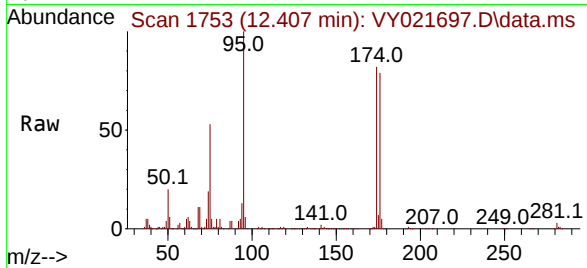




#62
4-Bromofluorobenzene
Concen: 46.267 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021697.D
Acq: 28 Mar 2025 17:12

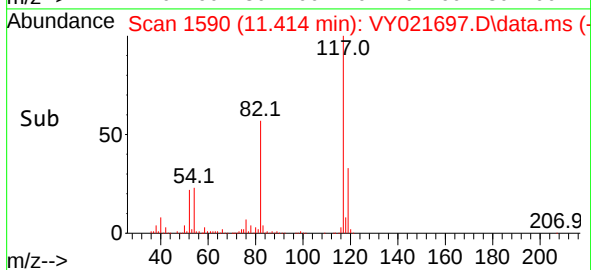
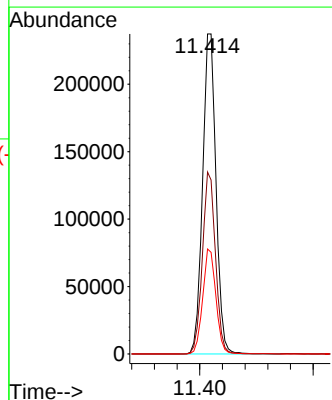
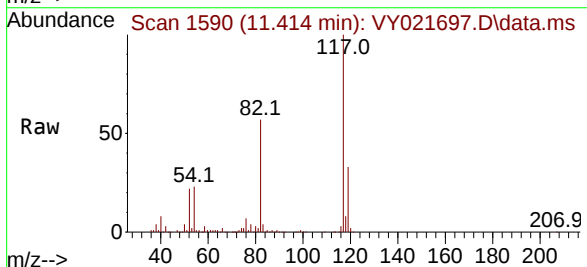
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01MSD

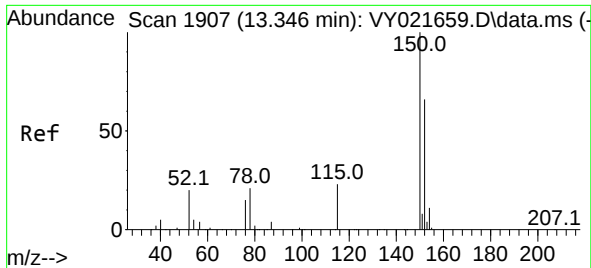
Tgt Ion: 95 Resp: 159422
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.8
176 80.6 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021697.D
Acq: 28 Mar 2025 17:12

Tgt Ion: 117 Resp: 388993
Ion Ratio Lower Upper
117 100
82 56.9 42.8 64.2
119 32.8 25.7 38.5

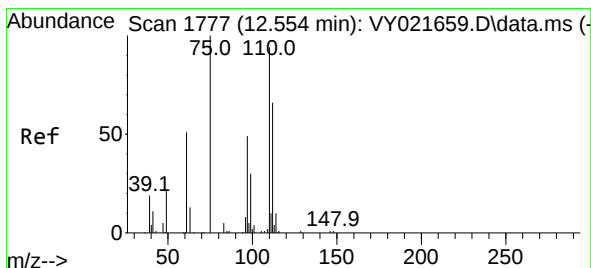
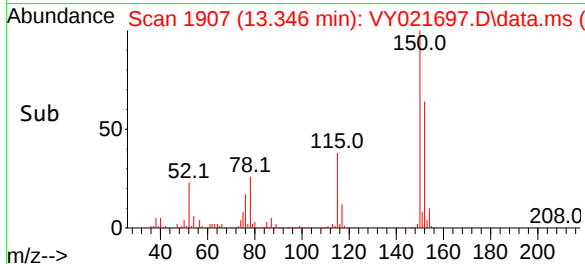
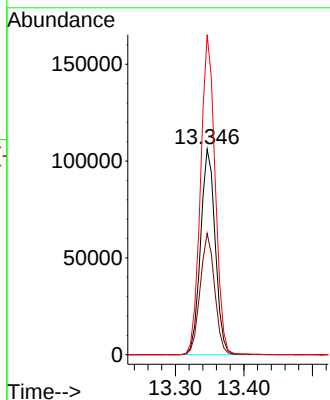
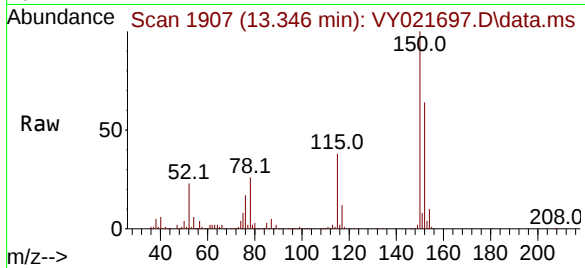




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021697.D
 Acq: 28 Mar 2025 17:12

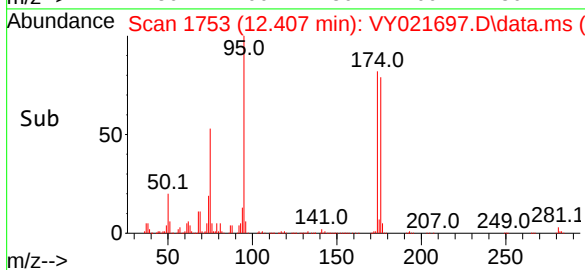
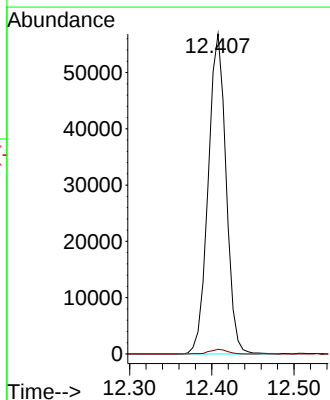
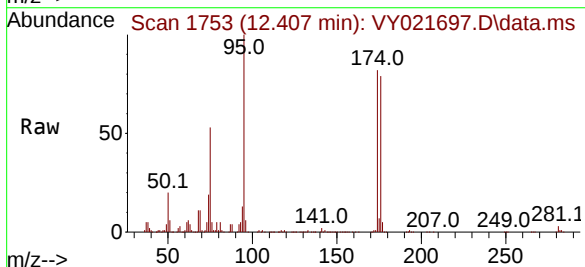
Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-001-01MSD

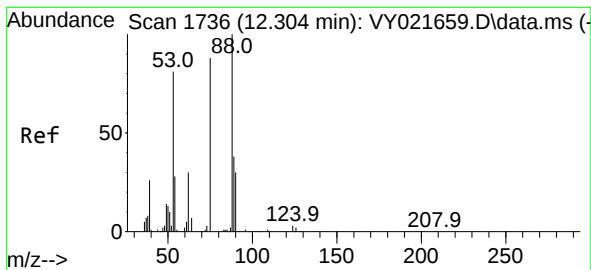
Tgt Ion:152 Resp: 158421
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.8 86.5
 150 154.8 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 54.687 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY021697.D
 Acq: 28 Mar 2025 17:12

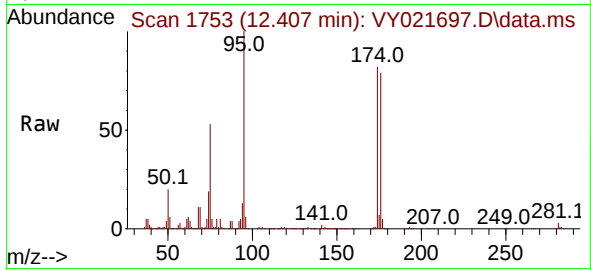
Tgt Ion: 75 Resp: 85879
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.009 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY021697.D
 Acq: 28 Mar 2025 17:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-001-01MSD



Tgt Ion: 75 Resp: 85879
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.1 36.2 54.4#

