

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021705.D
 Acq On : 28 Mar 2025 20:19
 Operator : SY/MD
 Sample : Q1664-21
 Misc : 5.14g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P001-BBDGA-008-01

Quant Time: Mar 28 23:49:35 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)

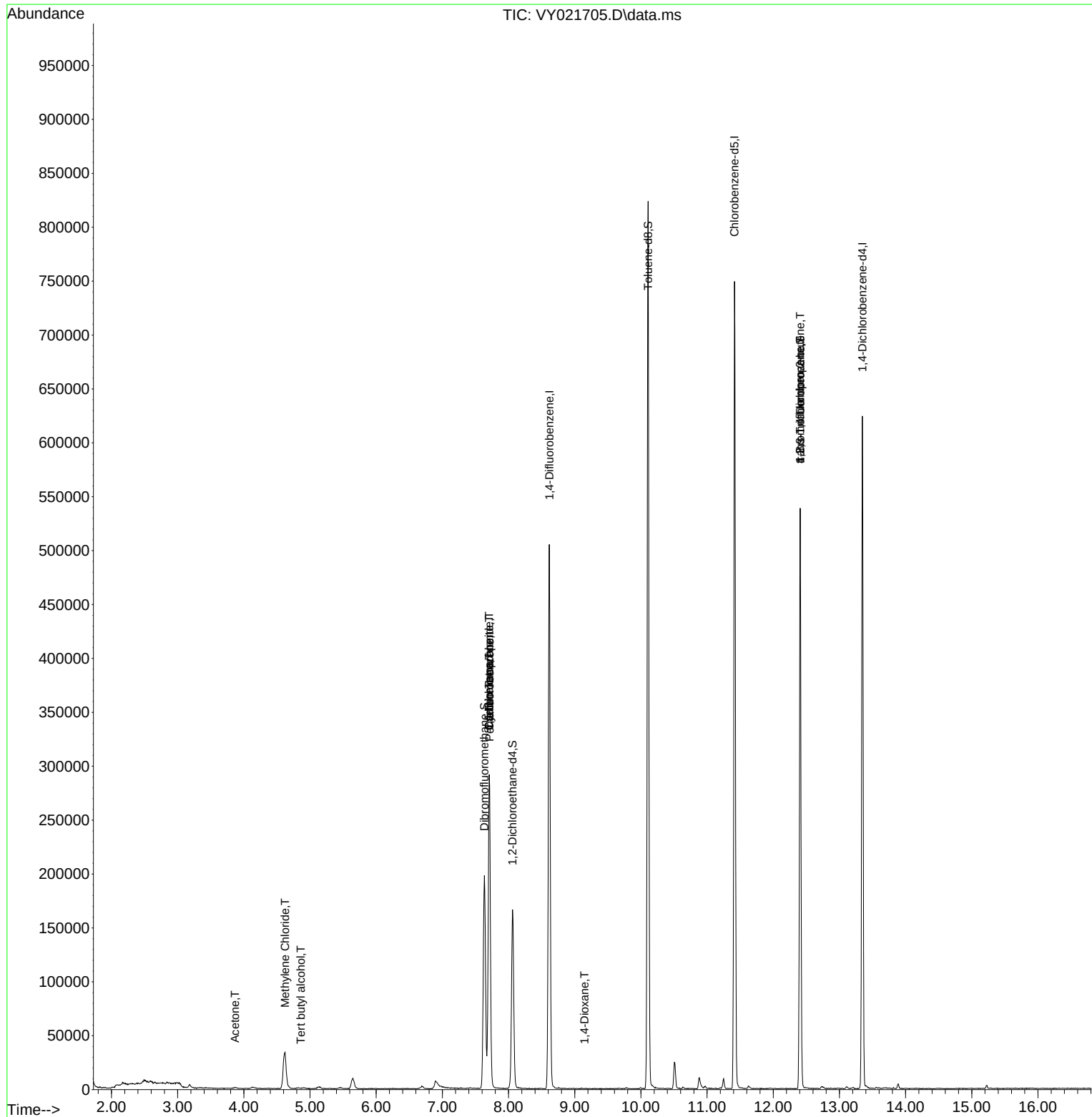
Internal Standards						
1) Pentafluorobenzene	7.713	168	212653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	414302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	380711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	149200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129845	56.356	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.720%	
35) Dibromofluoromethane	7.634	113	138793	51.644	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.280%	
50) Toluene-d8	10.109	98	512383	50.115	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.240%	
62) 4-Bromofluorobenzene	12.408	95	156217	45.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.340%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	448	2.994	ug/l #	70
16) Acetone	3.866	43	1756	3.724	ug/l	96
20) Methylene Chloride	4.622	84	25093	7.595	ug/l	92
31) Cyclohexane	7.707	56	5081	1.249	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	18663	4.559	ug/l #	49
38) Carbon Tetrachloride	7.707	117	22555	4.811	ug/l #	17
49) 1,4-Dioxane	9.146	88	19	1.061	ug/l #	21
76) 1,2,3-Trichloropropane	12.408	75	84534	57.158	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	84534	131.701	ug/l #	12

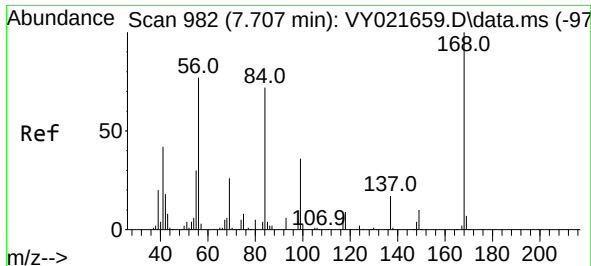
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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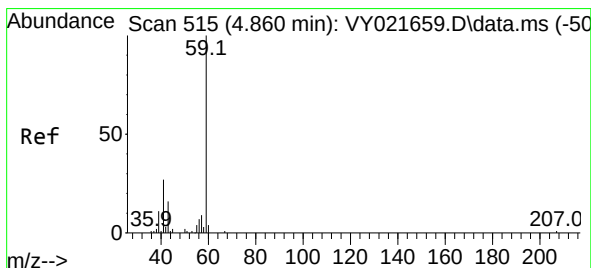
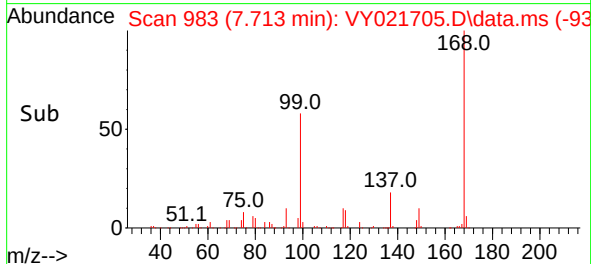
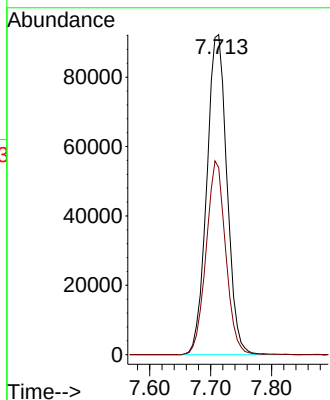
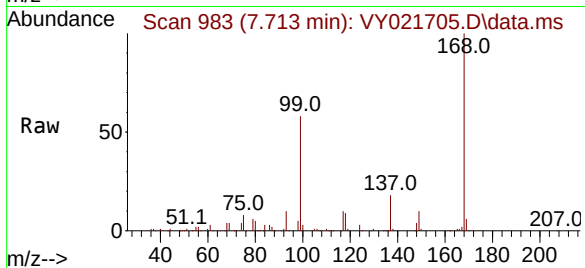




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

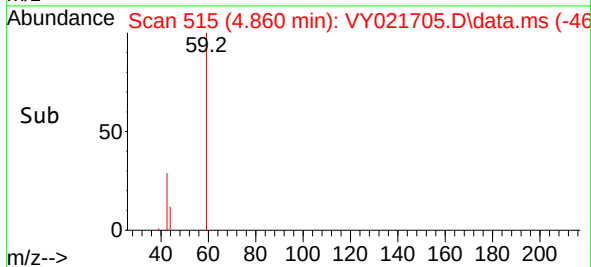
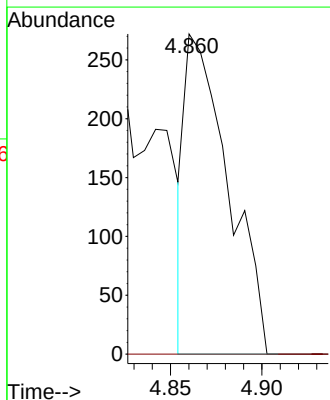
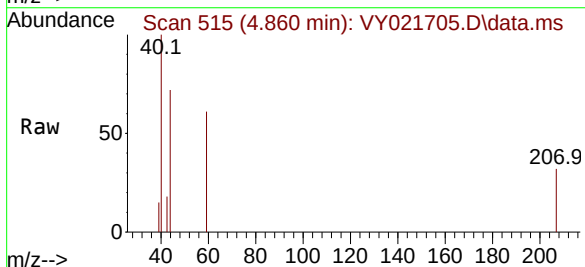
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-008-01

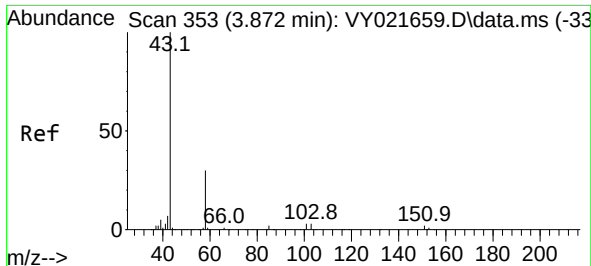
Tgt Ion:168 Resp: 212653
Ion Ratio Lower Upper
168 100
99 58.5 46.7 70.1



#11
Tert butyl alcohol
Concen: 2.994 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

Tgt Ion: 59 Resp: 448
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

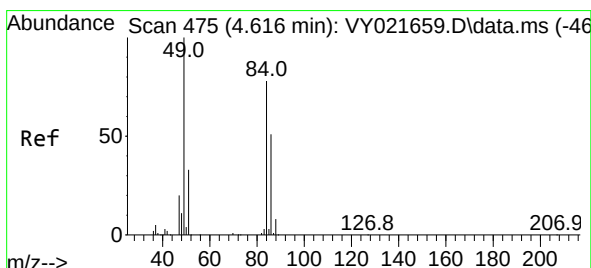
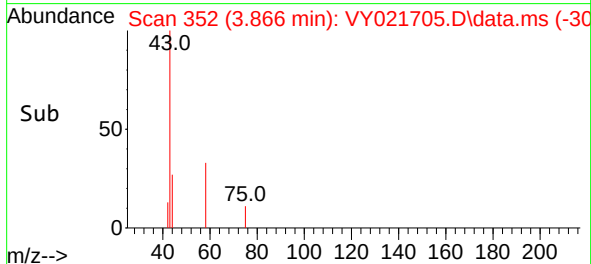
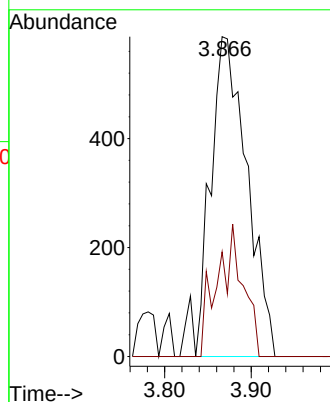
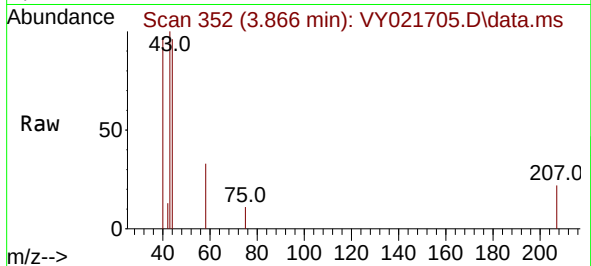




#16
Acetone
Concen: 3.724 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

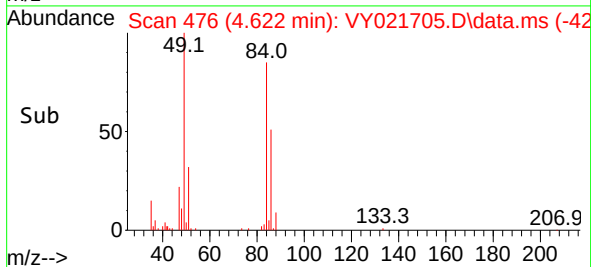
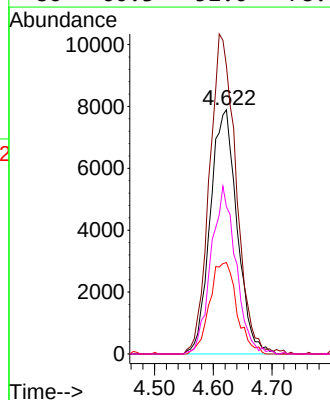
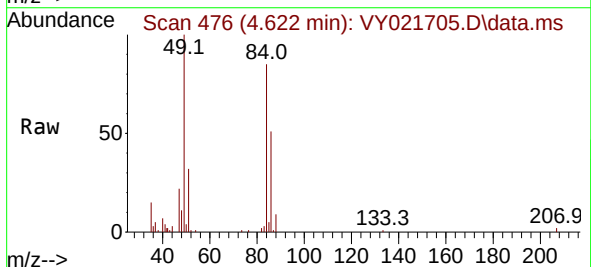
Instrument :
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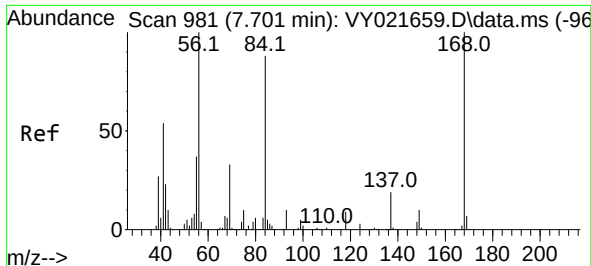
Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
58 32.7 24.2 36.4



#20
Methylene Chloride
Concen: 7.595 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

Tgt Ion: 84 Resp: 25093
Ion Ratio Lower Upper
84 100
49 117.9 102.8 154.2
51 37.4 33.5 50.3
86 60.3 52.0 78.0

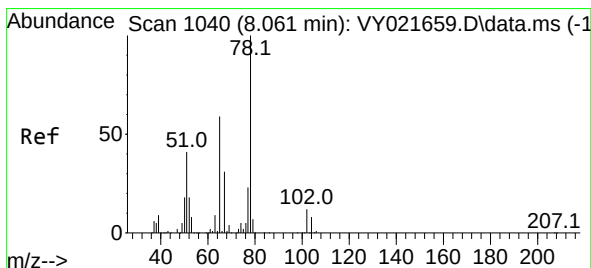
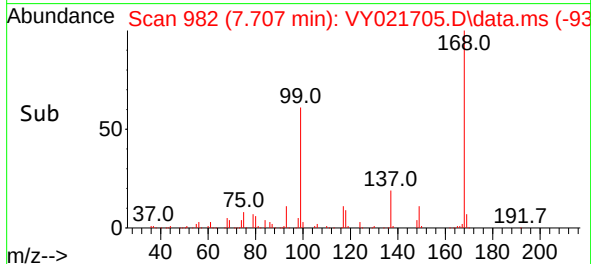
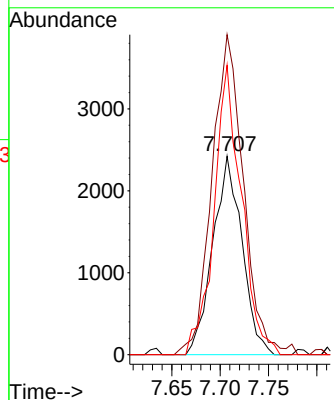
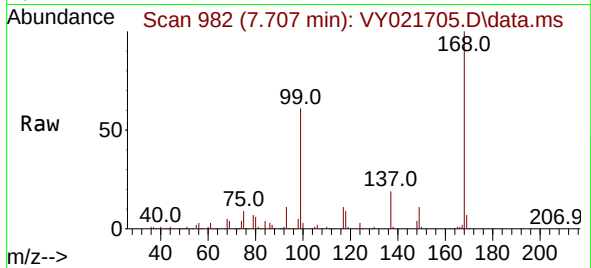




#31
Cyclohexane
Concen: 1.249 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

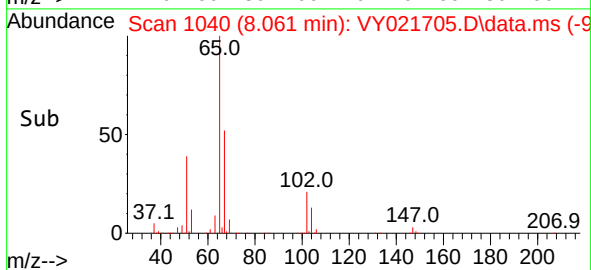
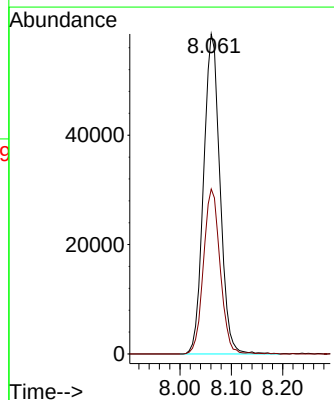
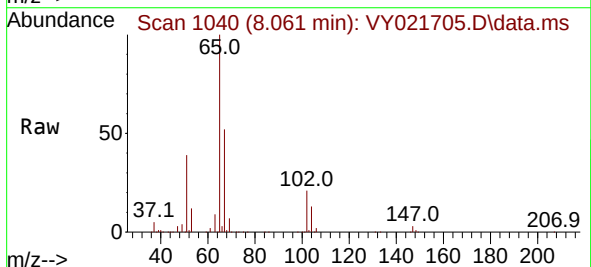
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-008-01

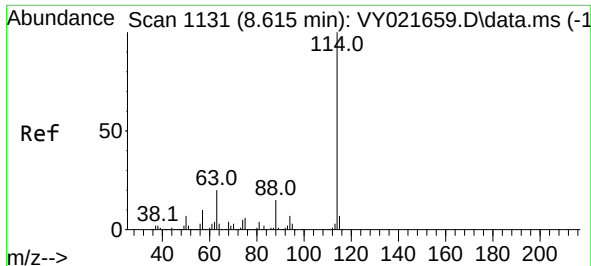
Tgt Ion: 56 Resp: 5081
Ion Ratio Lower Upper
56 100
69 158.6 26.6 40.0#
84 145.9 69.0 103.4#



#33
1,2-Dichloroethane-d4
Concen: 56.356 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

Tgt Ion: 65 Resp: 129845
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.6

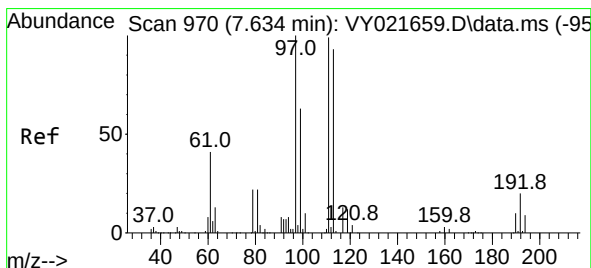
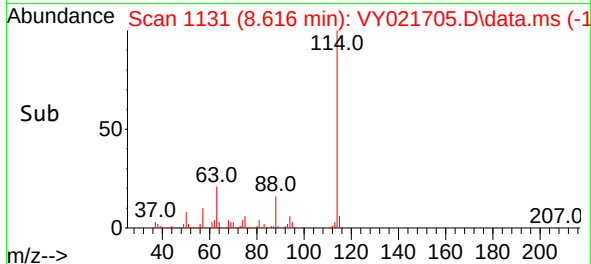
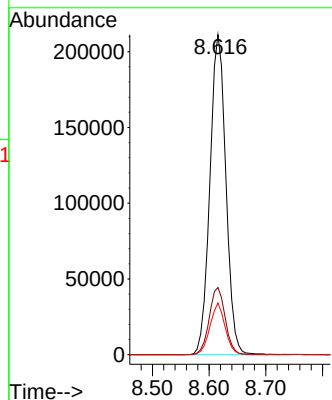
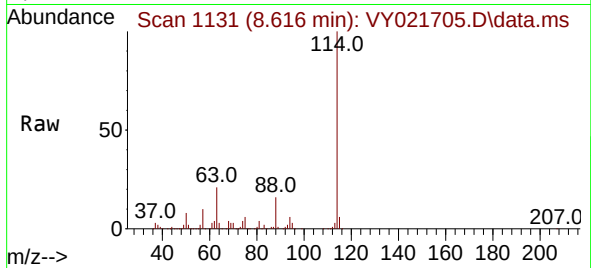




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

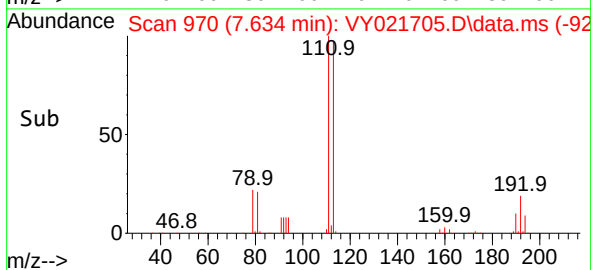
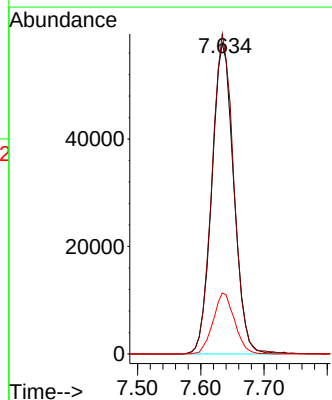
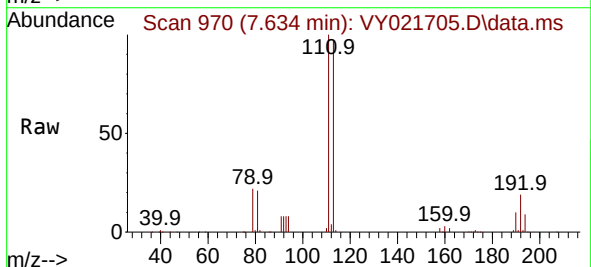
Instrument :
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ClientSampleId :
P001-BBDGA-008-01

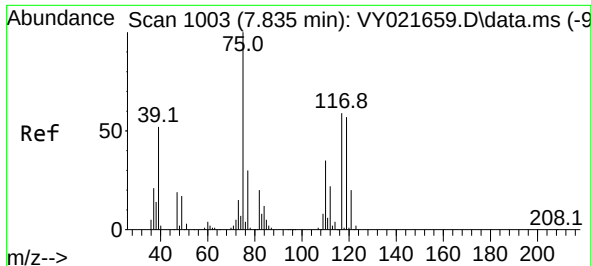
Tgt Ion:114 Resp: 414302
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.2
88 16.1 0.0 29.8



#35
Dibromofluoromethane
Concen: 51.644 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

Tgt Ion:113 Resp: 138793
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 19.3 16.2 24.4

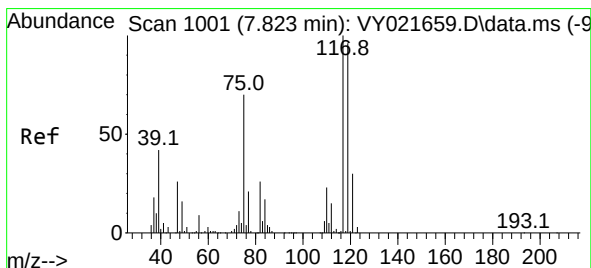
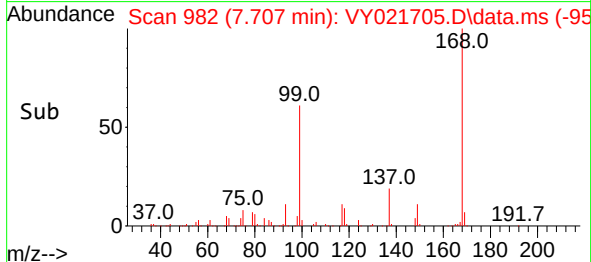
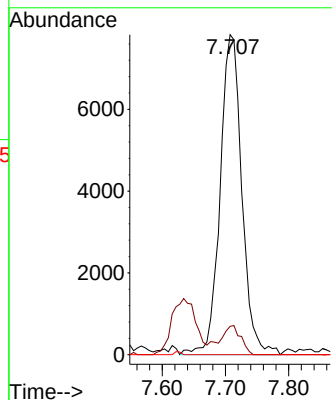
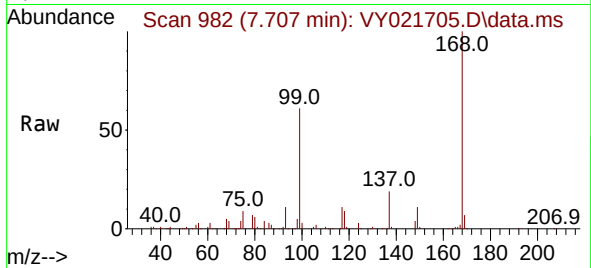




#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

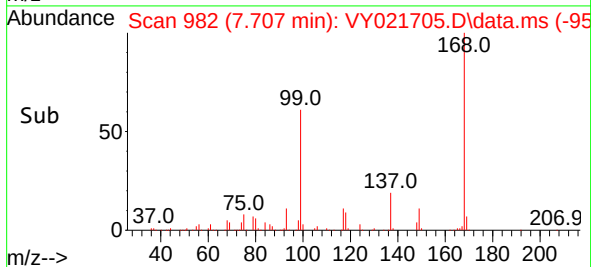
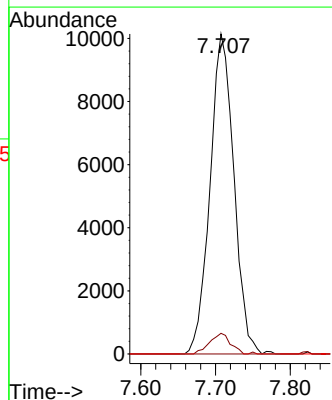
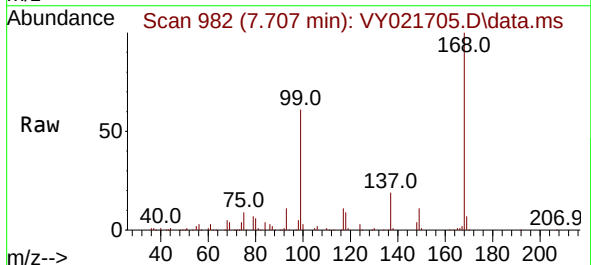
Instrument :
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ClientSampleId :
P001-BBDGA-008-01

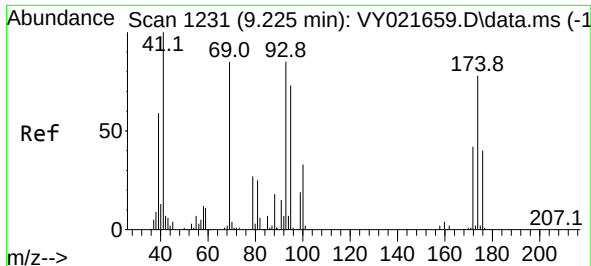
Tgt Ion: 75 Resp: 18663
Ion Ratio Lower Upper
75 100
110 7.1 17.0 50.9#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 4.811 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

Tgt Ion: 117 Resp: 22555
Ion Ratio Lower Upper
117 100
119 6.5 76.2 114.4#
121 0.0 24.2 36.4#





#49

1,4-Dioxane

Concen: 1.061 ug/l

RT: 9.146 min Scan# 1218

Delta R.T. -0.079 min

Lab File: VY021705.D

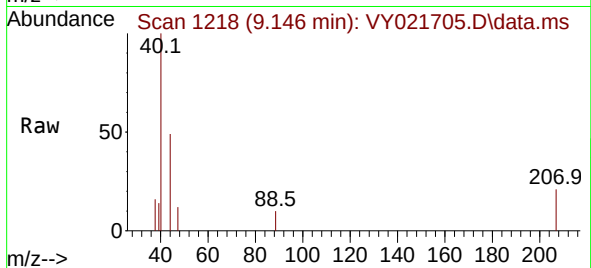
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Instrument :

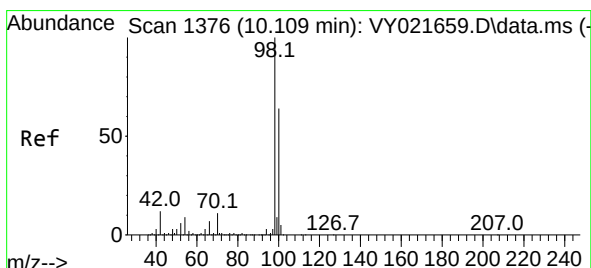
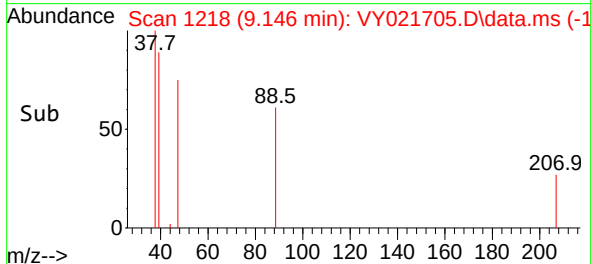
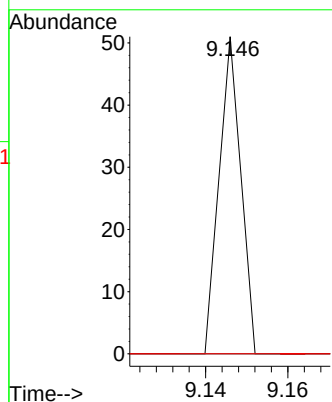
MSVOA_Y

ClientSampleId :

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Tgt Ion:	88	Resp:	19
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.8	43.2#
58	0.0	59.4	89.2#



#50

Toluene-d8

Concen: 50.115 ug/l

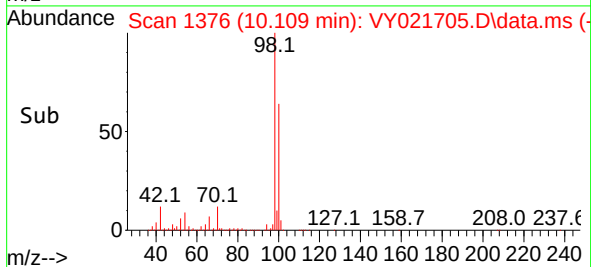
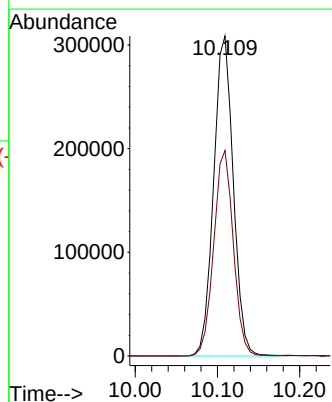
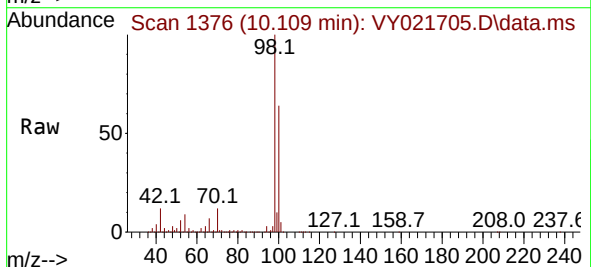
RT: 10.109 min Scan# 1376

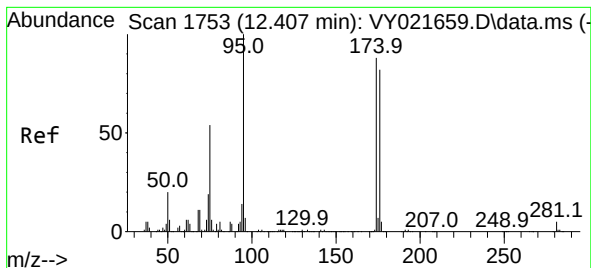
Delta R.T. 0.000 min

Lab File: VY021705.D

Acq: 28 Mar 2025 20:19

Tgt Ion:	98	Resp:	512383
Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1

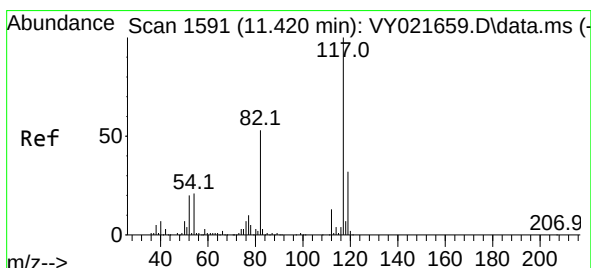
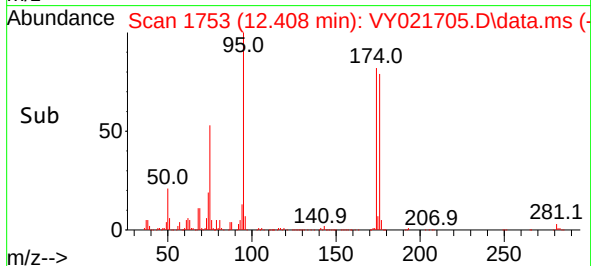
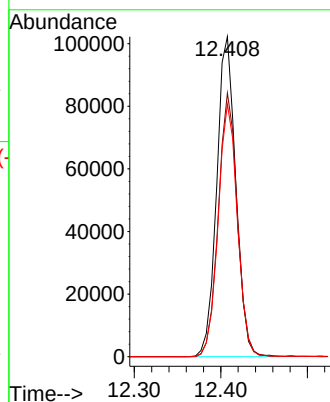
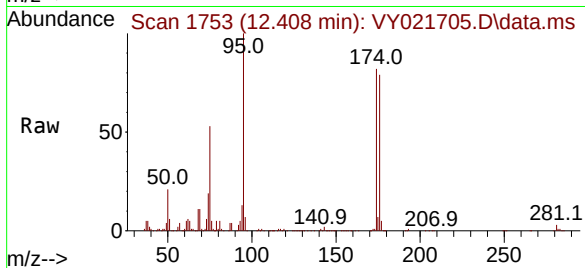




#62
4-Bromofluorobenzene
Concen: 45.172 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

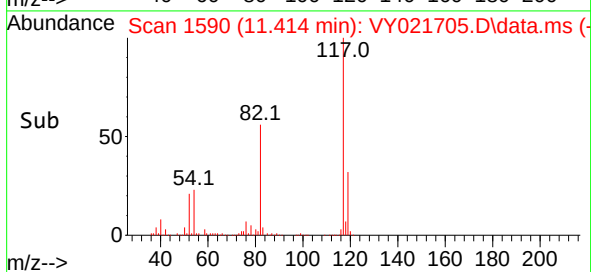
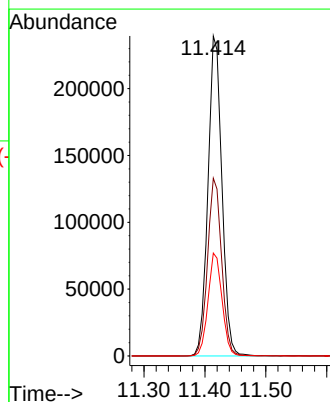
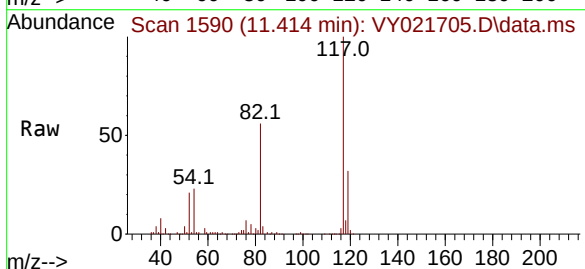
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-008-01

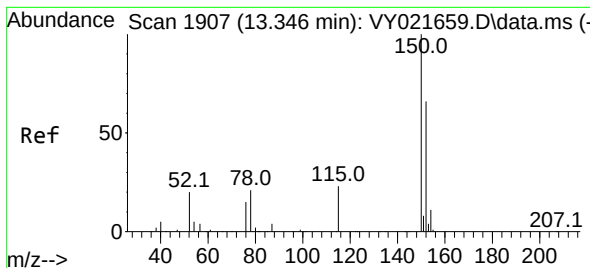
Tgt Ion: 95 Resp: 156217
Ion Ratio Lower Upper
95 100
174 82.5 0.0 170.8
176 79.4 0.0 162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

Tgt Ion: 117 Resp: 380711
Ion Ratio Lower Upper
117 100
82 55.5 42.8 64.2
119 32.2 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: VY021705.D

Acq: 28 Mar 2025 20:19

Instrument :

MSVOA_Y

ClientSampleId :

P001-BBDGA-008-01

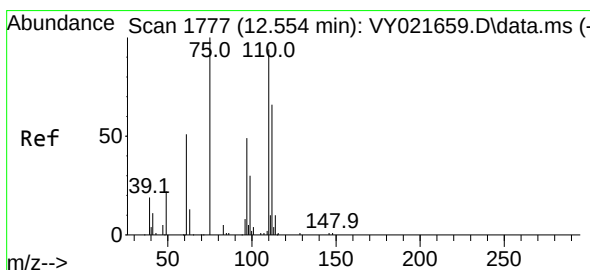
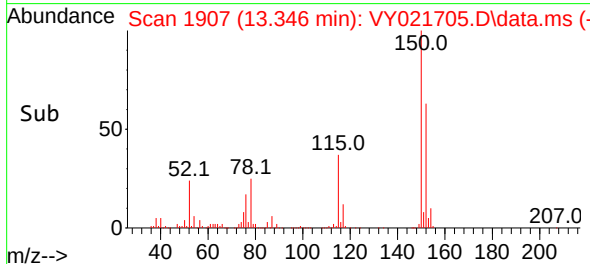
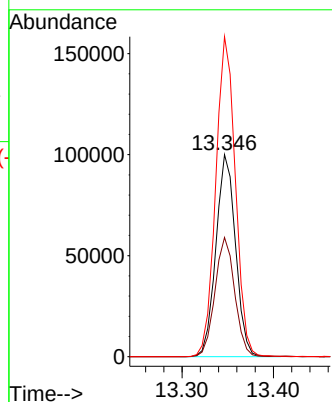
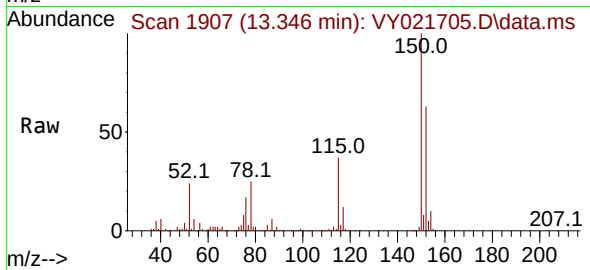
Tgt Ion:152 Resp: 149200

Ion Ratio Lower Upper

152 100

115 59.4 28.8 86.5

150 158.3 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 57.158 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY021705.D

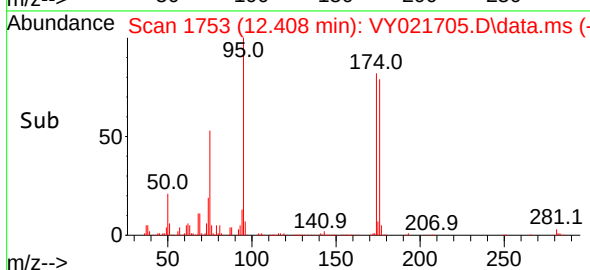
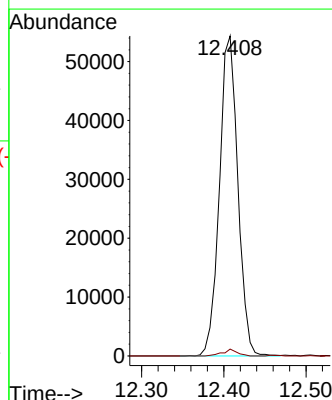
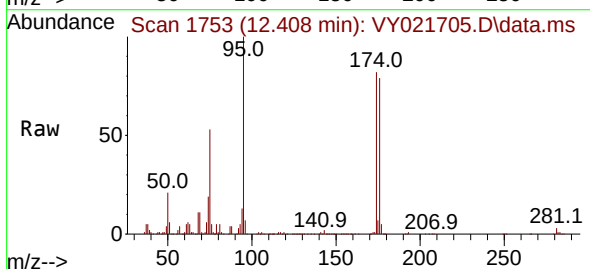
Acq: 28 Mar 2025 20:19

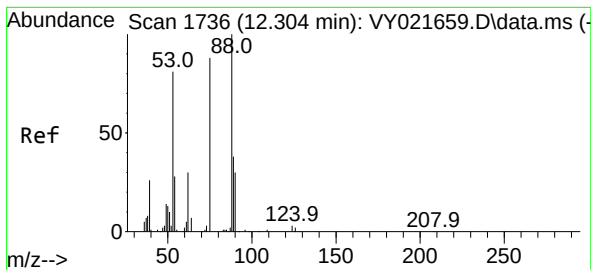
Tgt Ion: 75 Resp: 84534

Ion Ratio Lower Upper

75 100

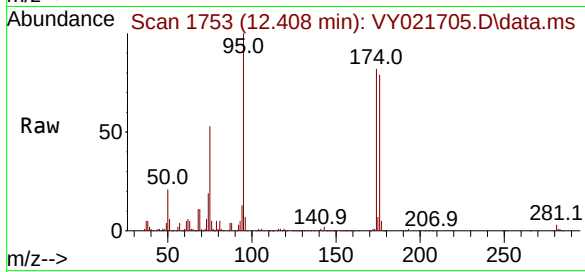
77 1.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 131.701 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY021705.D
Acq: 28 Mar 2025 20:19

Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-008-01



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

