

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021695.D
 Acq On : 28 Mar 2025 16:25
 Operator : SY/MD
 Sample : Q1664-01
 Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 28 23:45:34 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)

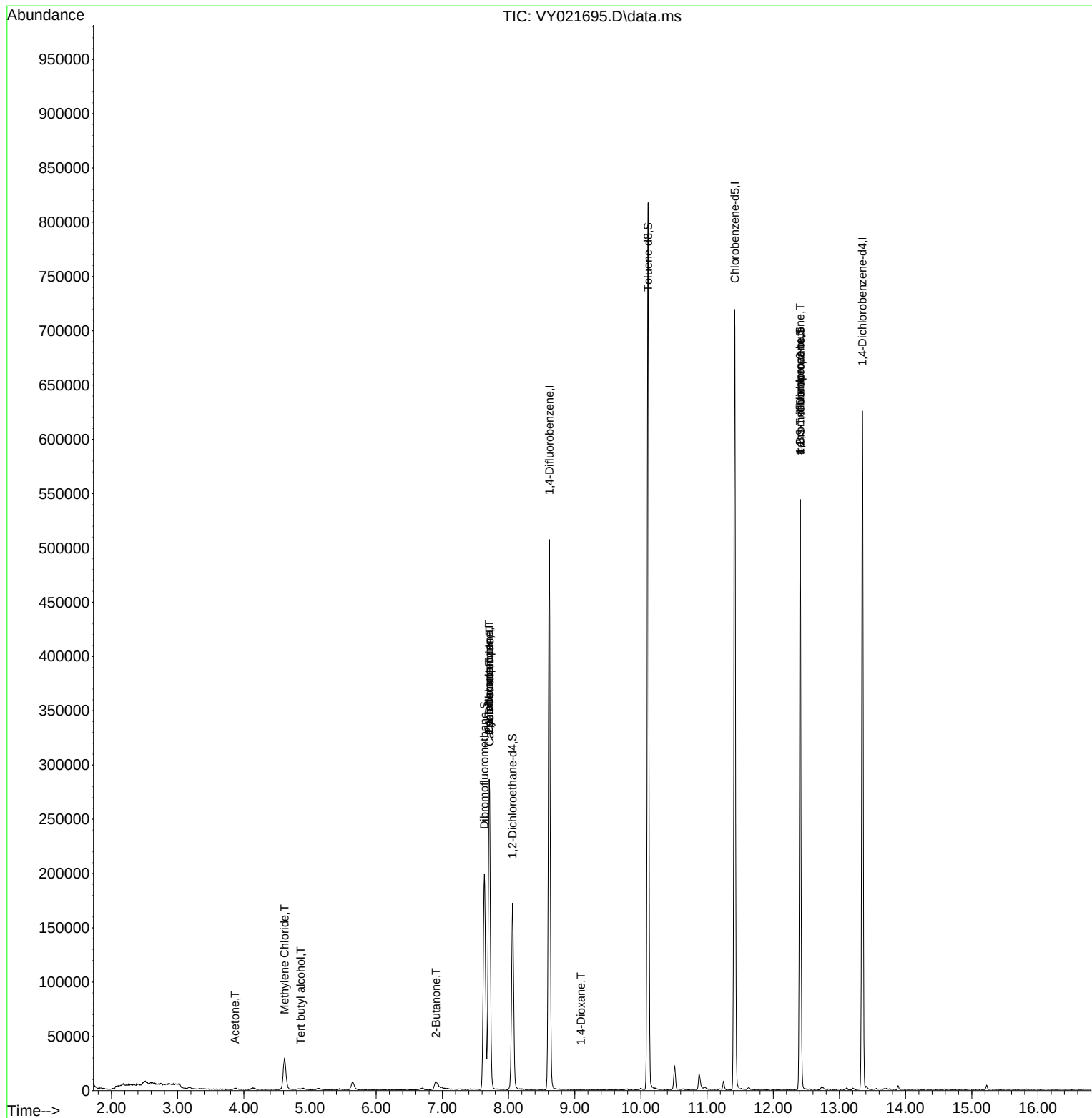
Internal Standards						
1) Pentafluorobenzene	7.707	168	213615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	412226	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	380697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152172	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	134261	58.010	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.020%	
35) Dibromofluoromethane	7.634	113	140882	52.685	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.380%	
50) Toluene-d8	10.109	98	508493	49.985	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.980%	
62) 4-Bromofluorobenzene	12.408	95	156765	45.559	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.120%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	197	1.310	ug/l #	70
16) Acetone	3.866	43	2367	4.997	ug/l #	87
20) Methylene Chloride	4.616	84	20200	5.254	ug/l	93
25) 2-Butanone	6.902	43	1024	1.514	ug/l #	48
31) Cyclohexane	7.707	56	4877	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	17979	4.414	ug/l #	50
38) Carbon Tetrachloride	7.713	117	22738	4.874	ug/l #	16
49) 1,4-Dioxane	9.091	88	19	1.066	ug/l #	21
76) 1,2,3-Trichloropropane	12.408	75	83512	55.364	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	83512	127.568	ug/l #	12

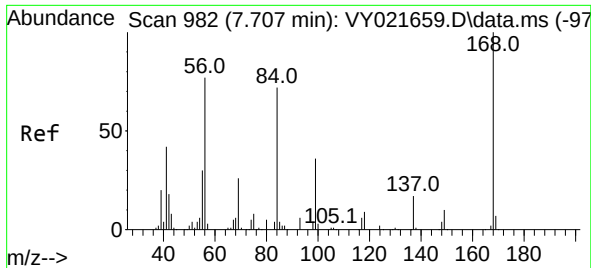
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
Data File : VY021695.D
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Misc : 4.82g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

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P001-BBDGA-001-01

Quant Time: Mar 28 23:45:34 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

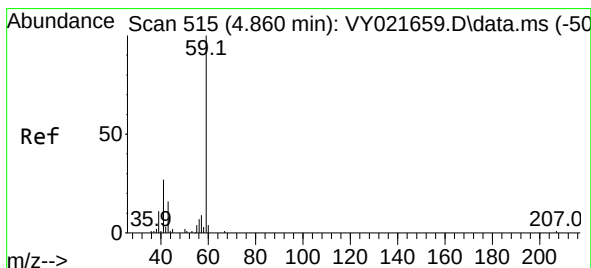
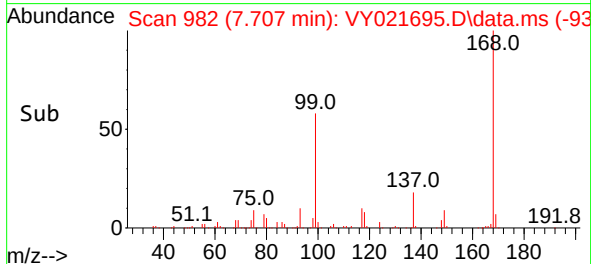
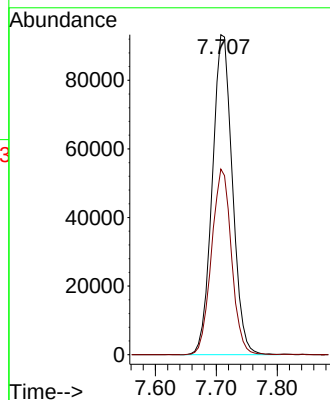
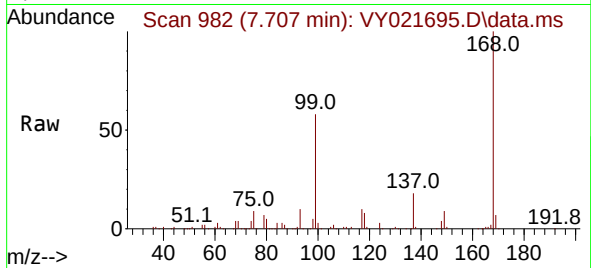




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

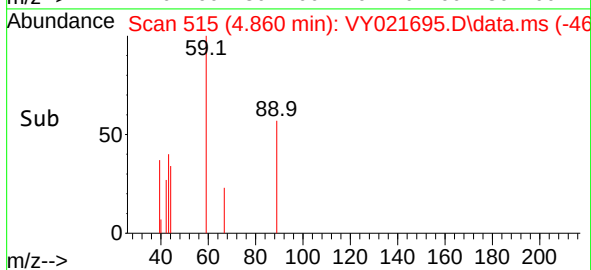
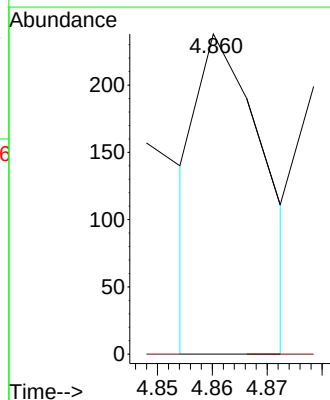
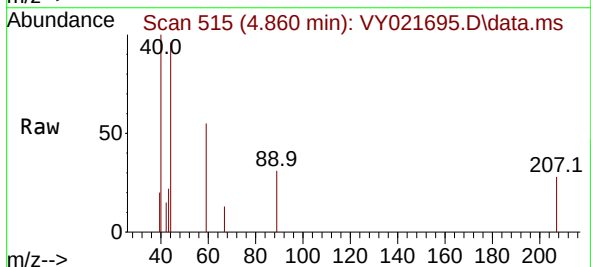
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01

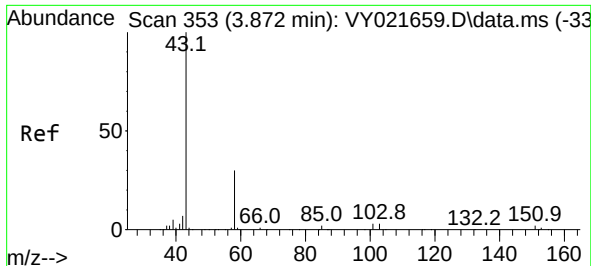
Tgt Ion:168 Resp: 213615
Ion Ratio Lower Upper
168 100
99 58.0 46.7 70.1



#11
Tert butyl alcohol
Concen: 1.310 ug/l
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

Tgt Ion: 59 Resp: 197
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#

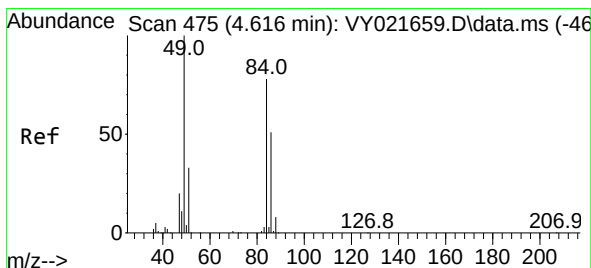
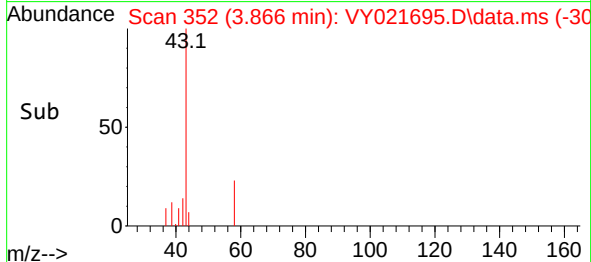
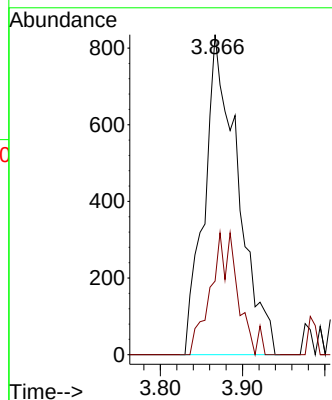
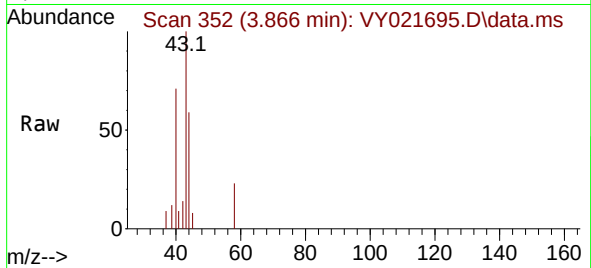




#16
Acetone
Concen: 4.997 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

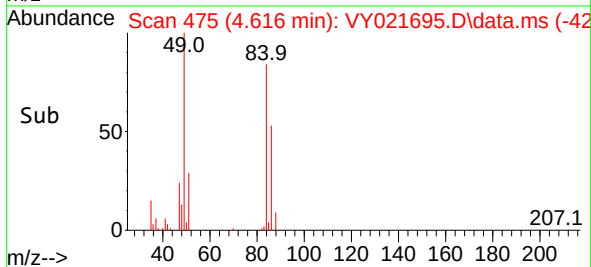
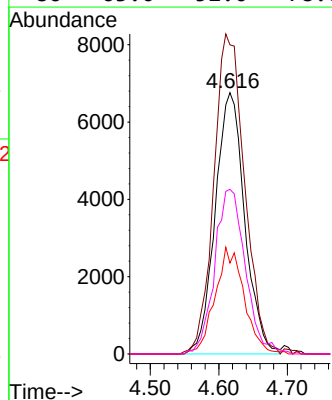
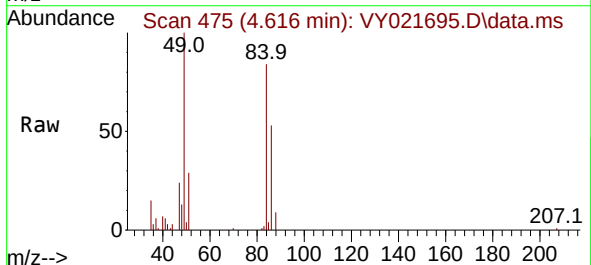
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01

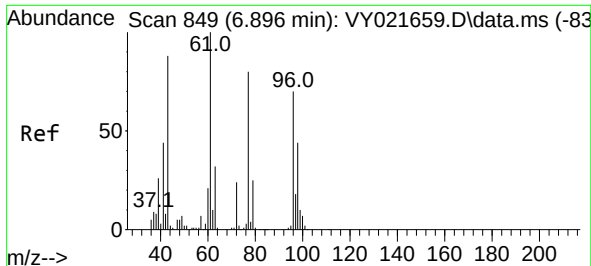
Tgt Ion: 43 Resp: 2367
Ion Ratio Lower Upper
43 100
58 23.0 24.2 36.4#



#20
Methylene Chloride
Concen: 5.254 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

Tgt Ion: 84 Resp: 20200
Ion Ratio Lower Upper
84 100
49 118.3 102.8 154.2
51 34.8 33.5 50.3
86 63.0 52.0 78.0

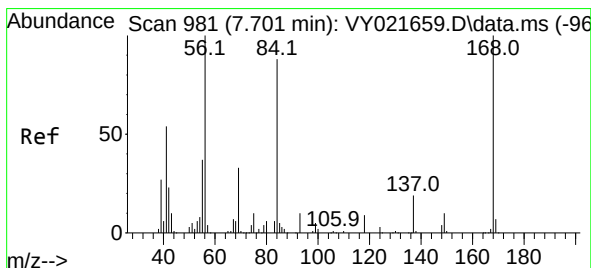
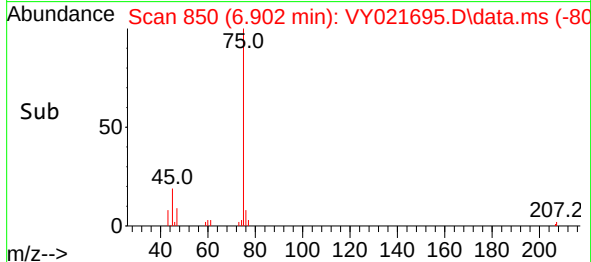
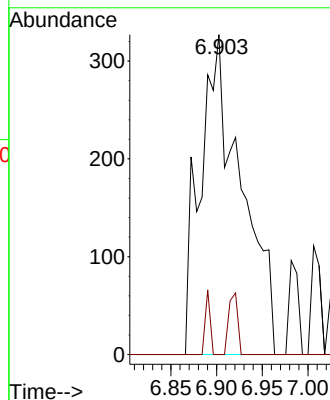
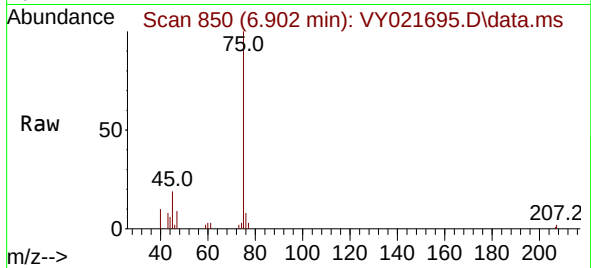




#25
2-Butanone
Concen: 1.514 ug/l
RT: 6.902 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

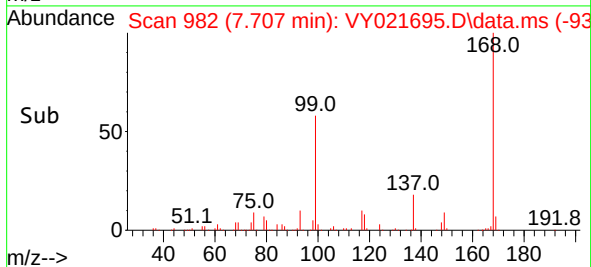
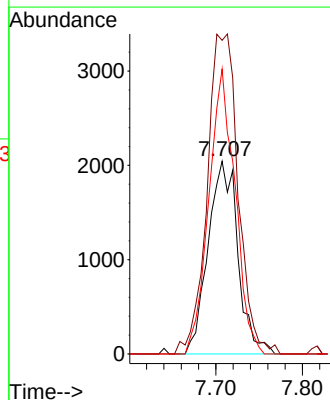
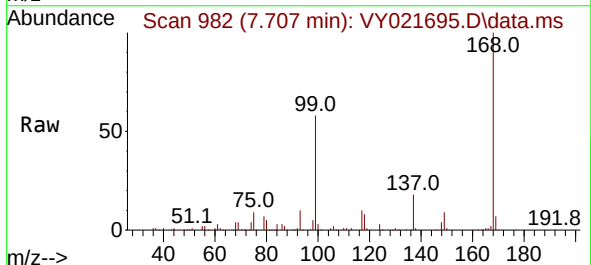
Instrument :
MSVOA_Y
ClientSampleId :
P001-BBDGA-001-01

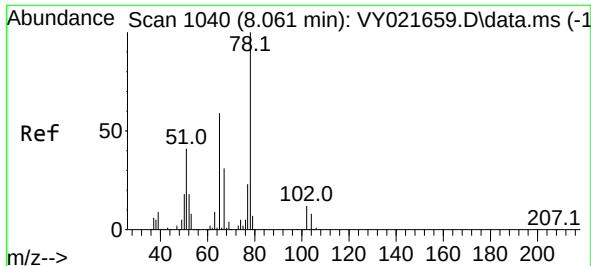
Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

Tgt Ion: 56 Resp: 4877
Ion Ratio Lower Upper
56 100
69 162.7 26.6 40.0#
84 147.8 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 58.010 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY021695.D

Acq: 28 Mar 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

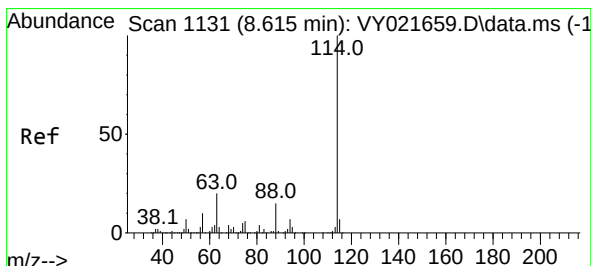
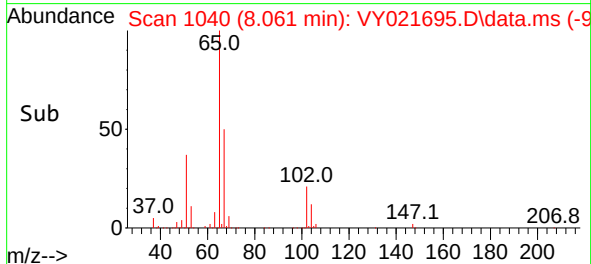
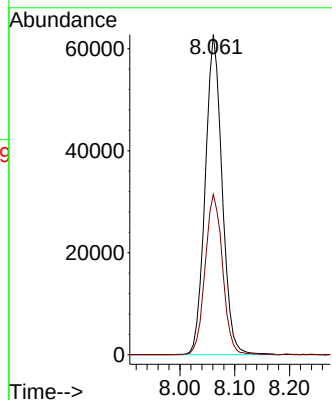
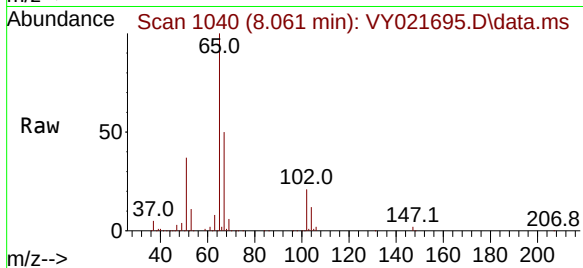
P001-BBDGA-001-01

Tgt Ion: 65 Resp: 134261

Ion Ratio Lower Upper

65 100

67 51.7 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: VY021695.D

Acq: 28 Mar 2025 16:25

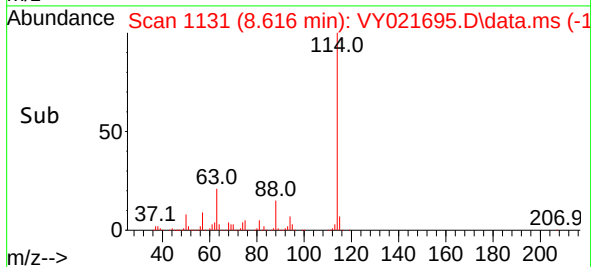
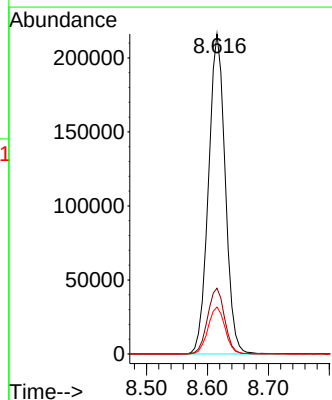
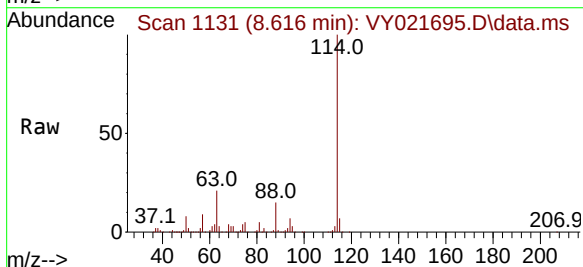
Tgt Ion: 114 Resp: 412226

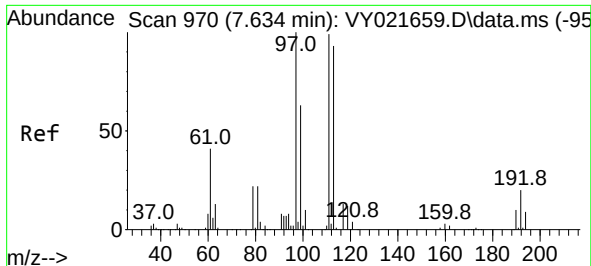
Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.2

88 14.7 0.0 29.8

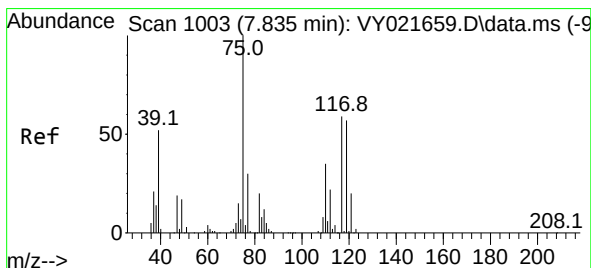
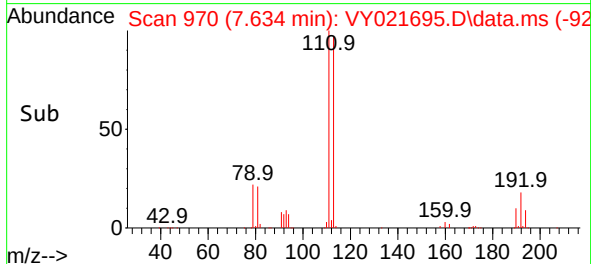
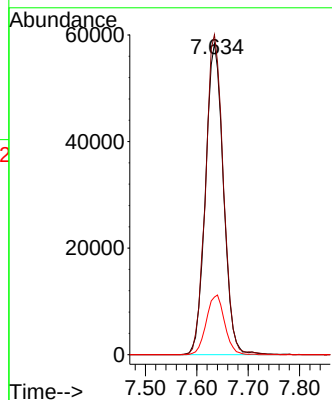
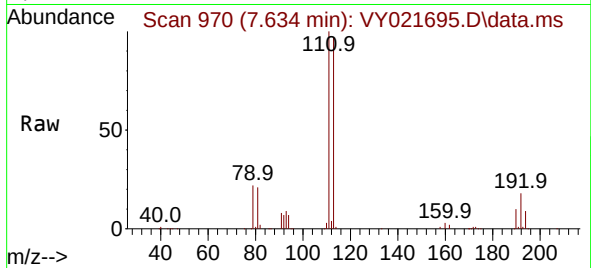




#35
Dibromofluoromethane
Concen: 52.685 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

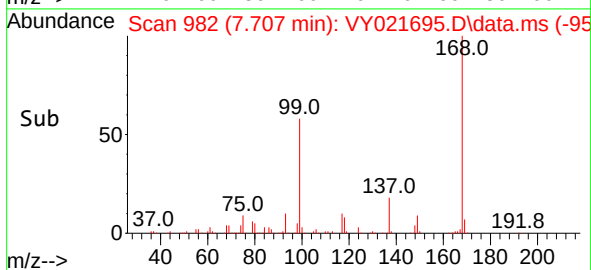
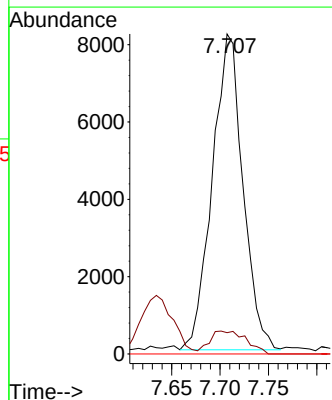
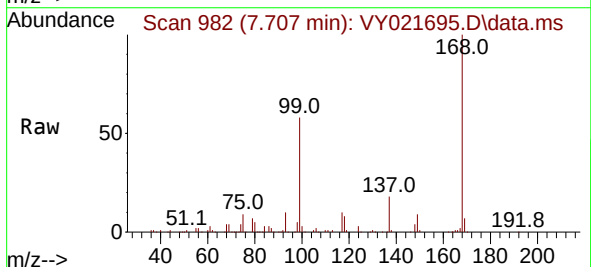
Instrument :
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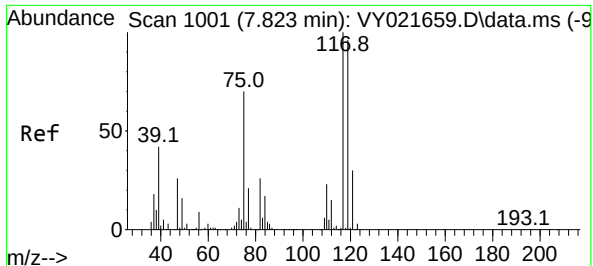
Tgt Ion:113 Resp: 140882
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 19.7 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.414 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

Tgt Ion: 75 Resp: 17979
Ion Ratio Lower Upper
75 100
110 8.7 17.0 50.9#
77 0.0 24.8 37.2#

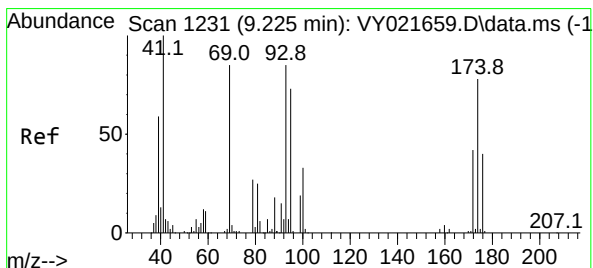
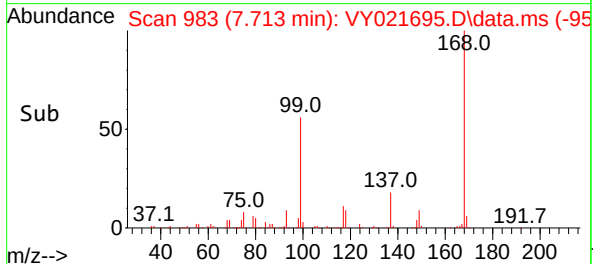
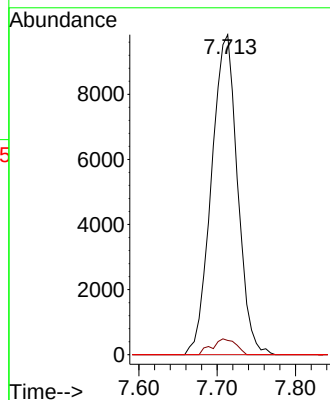
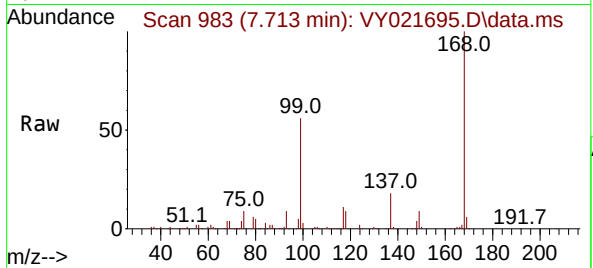




#38
Carbon Tetrachloride
Concen: 4.874 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

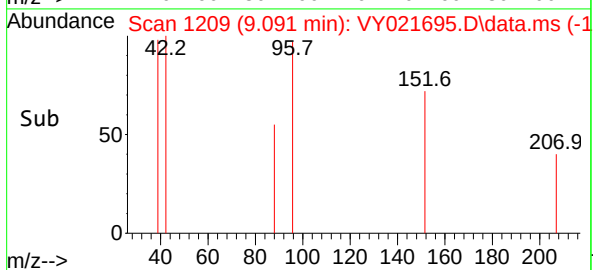
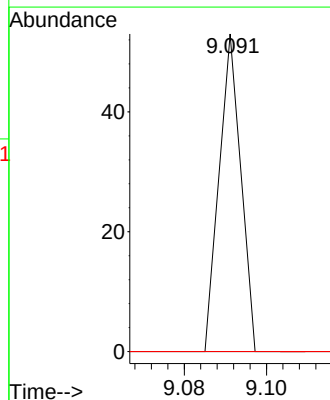
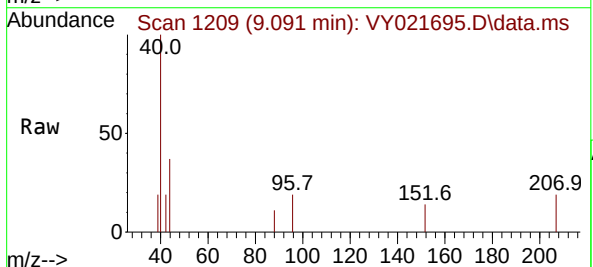
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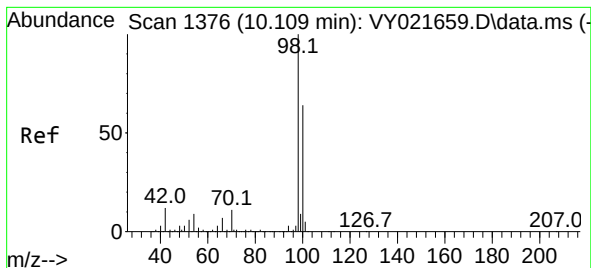
Tgt Ion:117 Resp: 22738
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.4#
121 0.0 24.2 36.4#



#49
1,4-Dioxane
Concen: 1.066 ug/l
RT: 9.091 min Scan# 1209
Delta R.T. -0.134 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

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#

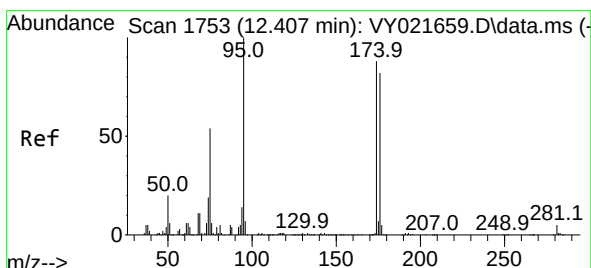
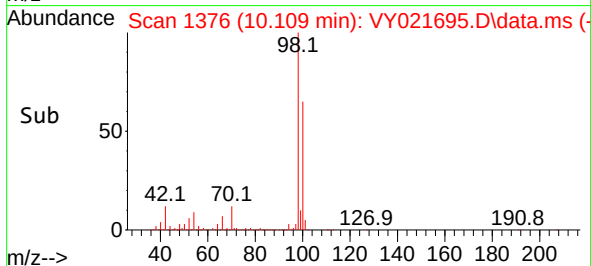
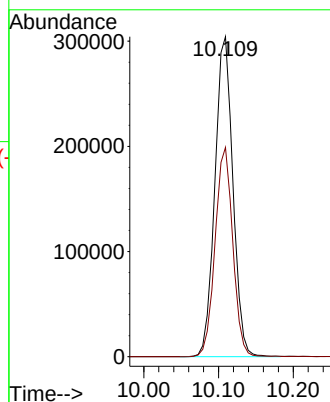
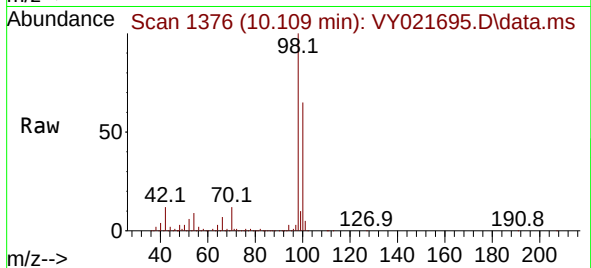




#50
Toluene-d8
Concen: 49.985 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

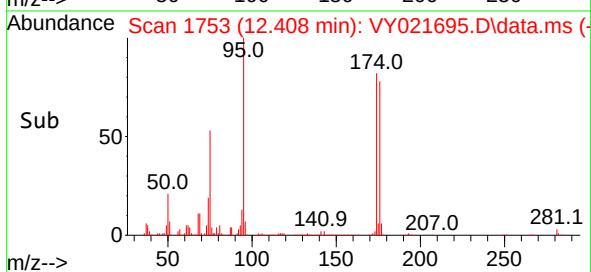
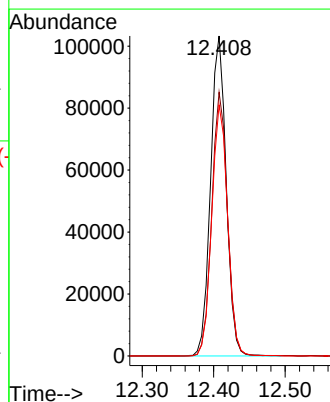
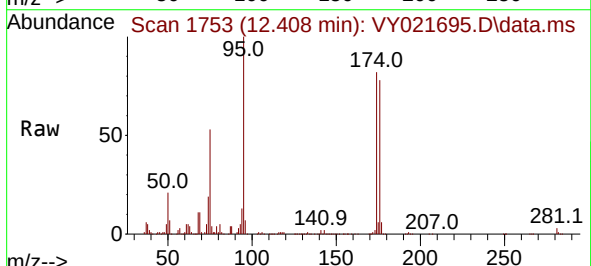
Instrument :
MSVOA_Y
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P001-BBDGA-001-01

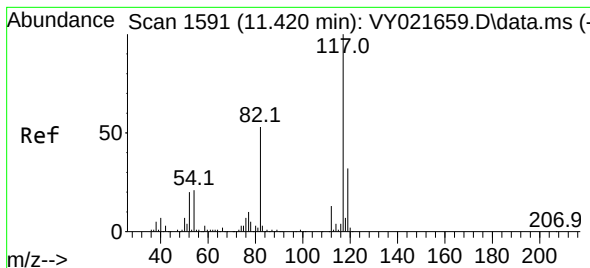
Tgt Ion: 98 Resp: 508493
Ion Ratio Lower Upper
98 100
100 64.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.559 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

Tgt Ion: 95 Resp: 156765
Ion Ratio Lower Upper
95 100
174 82.6 0.0 170.8
176 79.8 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021695.D

Acq: 28 Mar 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

P001-BBDGA-001-01

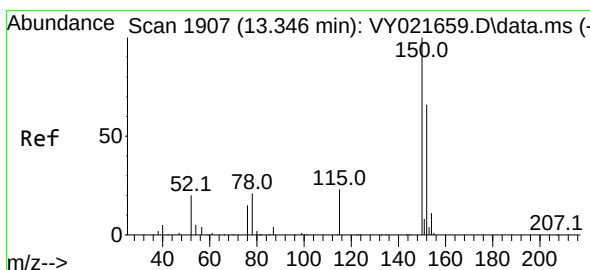
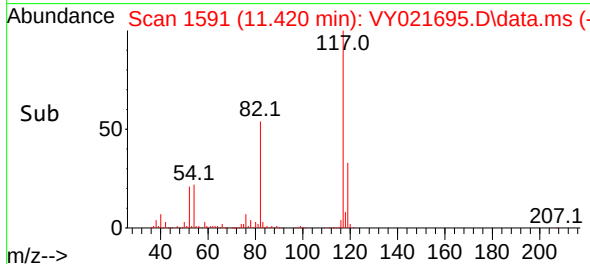
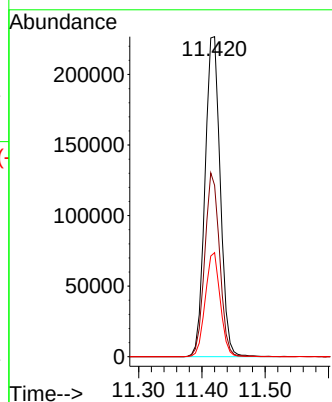
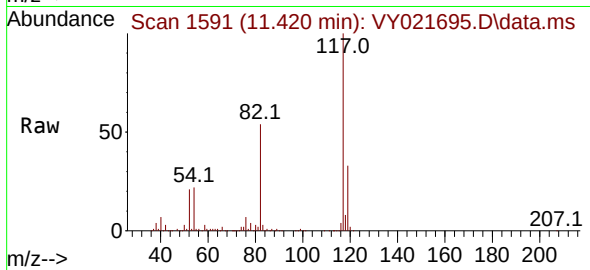
Tgt Ion:117 Resp: 380697

Ion Ratio Lower Upper

117 100

82 53.6 42.8 64.2

119 32.5 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: VY021695.D

Acq: 28 Mar 2025 16:25

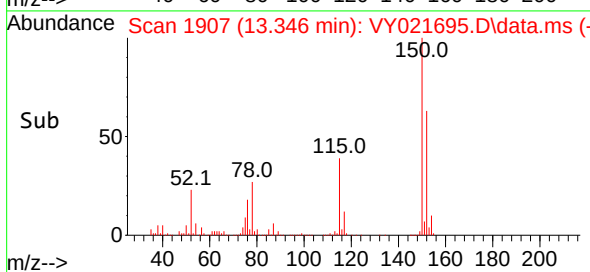
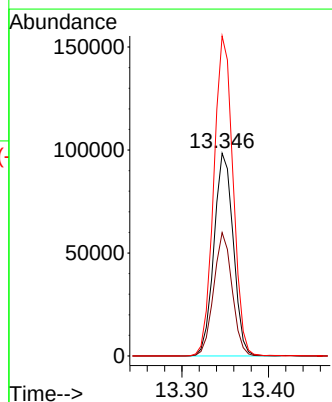
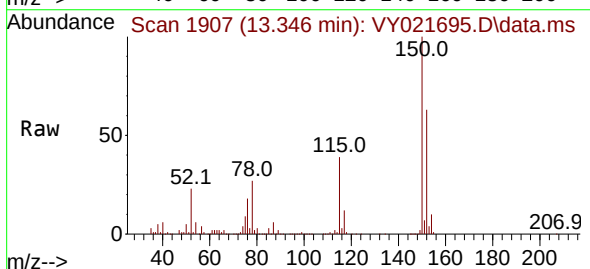
Tgt Ion:152 Resp: 152172

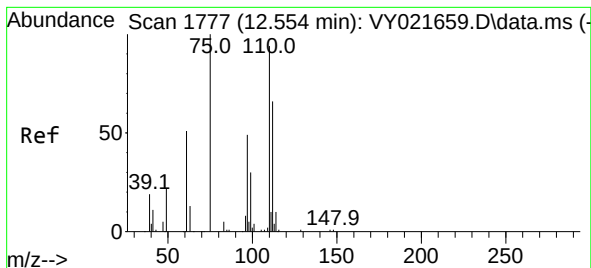
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 157.4 0.0 348.4

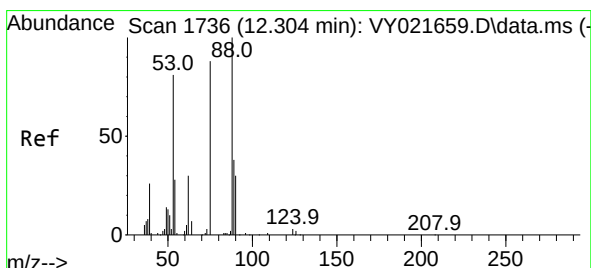
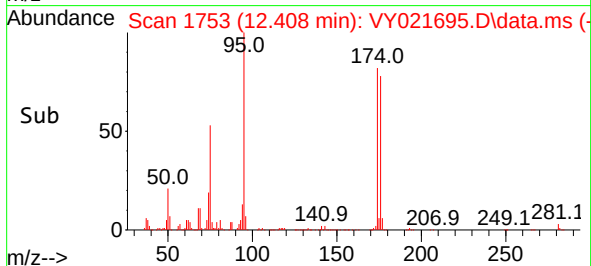
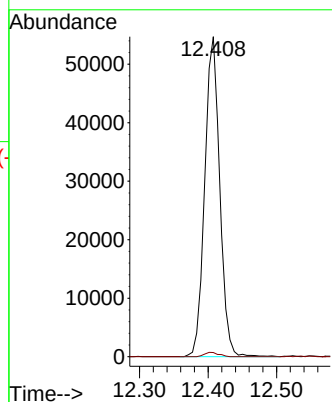
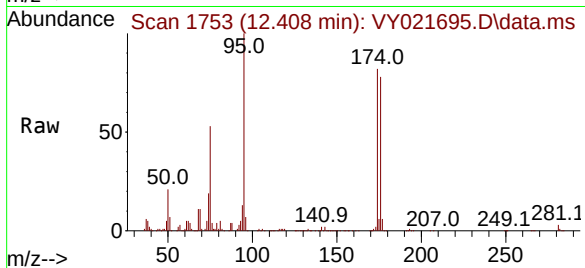




#76
1,2,3-Trichloropropane
Concen: 55.364 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

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

Tgt Ion: 75 Resp: 83512
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.568 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021695.D
Acq: 28 Mar 2025 16:25

Tgt Ion: 75 Resp: 83512
Ion Ratio Lower Upper
75 100
53 0.1 76.1 114.1#
89 0.1 36.2 54.4#

