

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021721.D
 Acq On : 31 Mar 2025 15:48
 Operator : SY/MD
 Sample : Q1675-07
 Misc : 2.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T1

Quant Time: Apr 01 05:38:21 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)

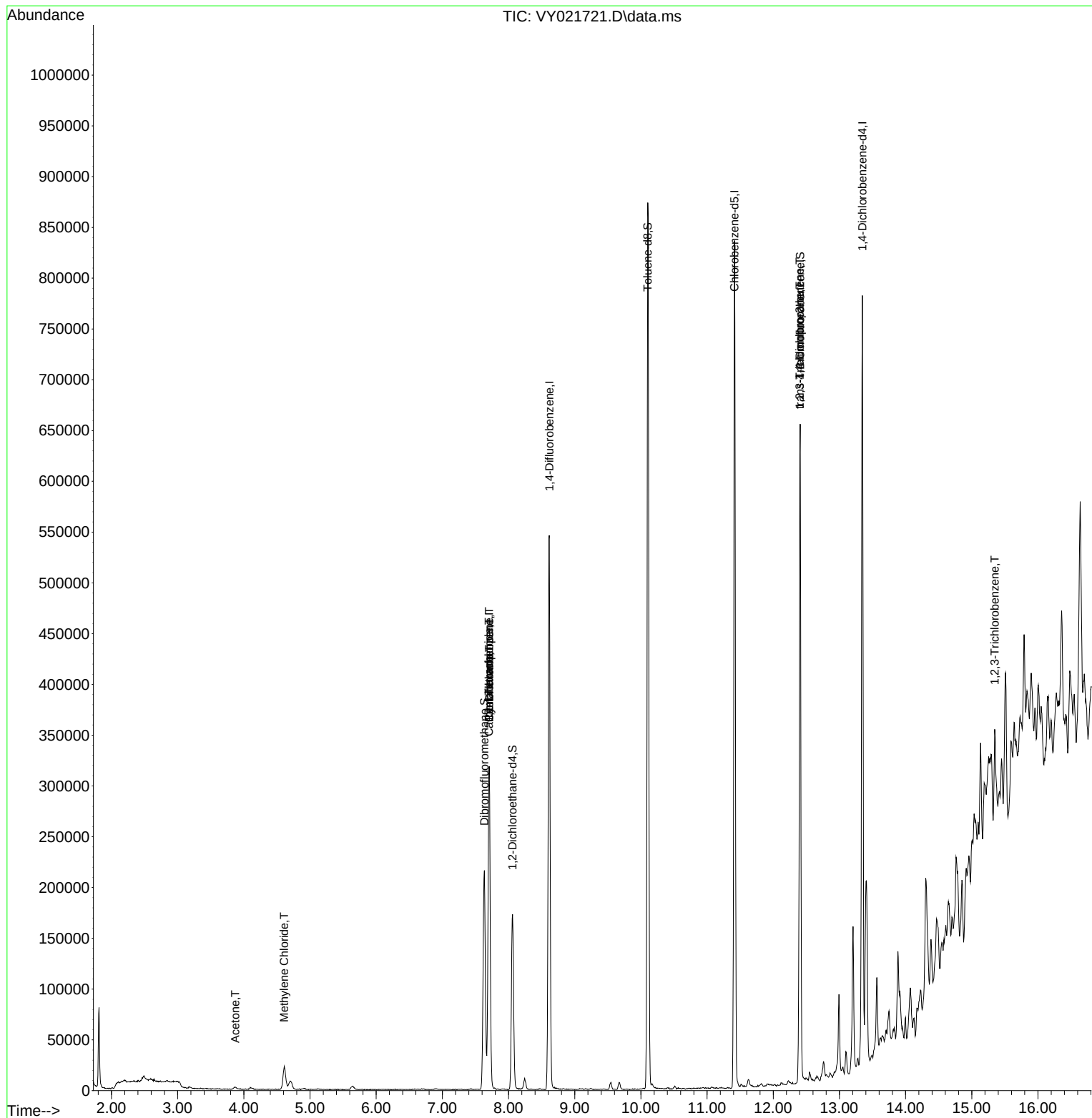
Internal Standards						
1) Pentafluorobenzene	7.707	168	241201	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	454127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	421197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	185708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141630	54.195	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.380%	
35) Dibromofluoromethane	7.634	113	149815	50.856	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.720%	
50) Toluene-d8	10.103	98	561423	50.096	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.200%	
62) 4-Bromofluorobenzene	12.408	95	190188	50.172	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.340%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	4466	8.350	ug/l	99
20) Methylene Chloride	4.610	84	15261	2.128	ug/l	92
31) Cyclohexane	7.707	56	5372	1.165	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	19310	4.304	ug/l #	52
38) Carbon Tetrachloride	7.701	117	24522	4.772	ug/l #	18
76) 1,2,3-Trichloropropane	12.401	75	100068	54.360	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	100068	125.254	ug/l #	12
96) 1,2,3-Trichlorobenzene	15.346	180	2653	1.010	ug/l #	1

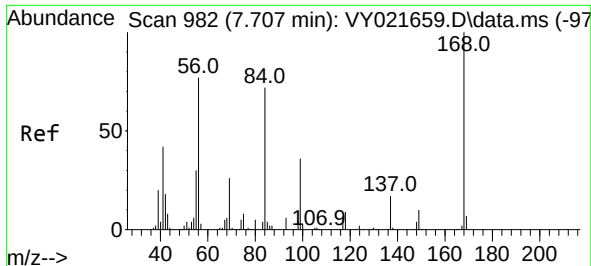
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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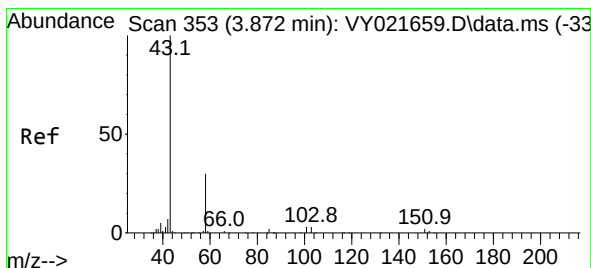
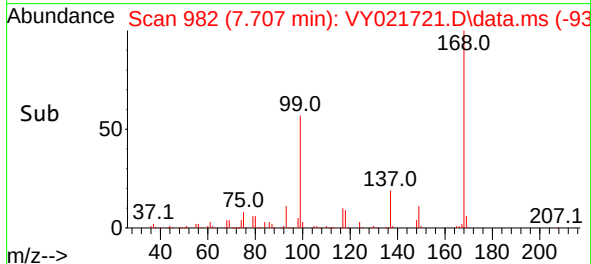
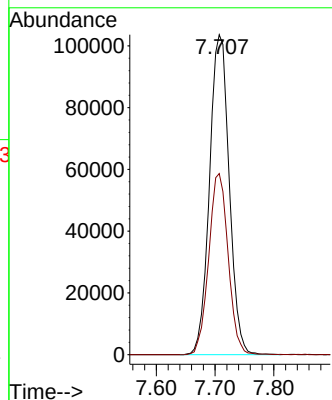
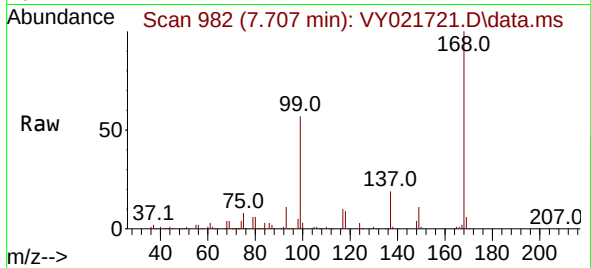




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

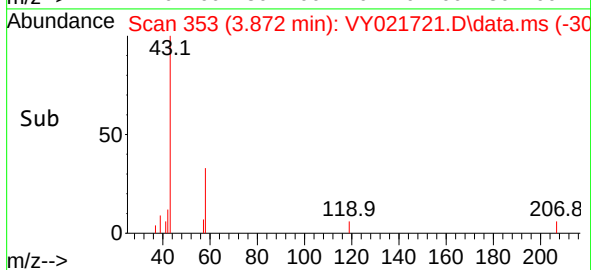
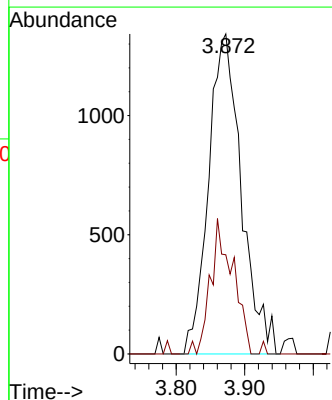
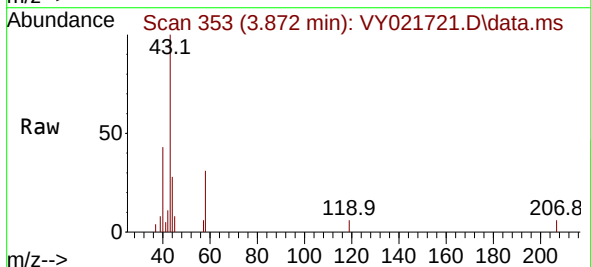
Instrument :
MSVOA_Y
ClientSampleId :
T1

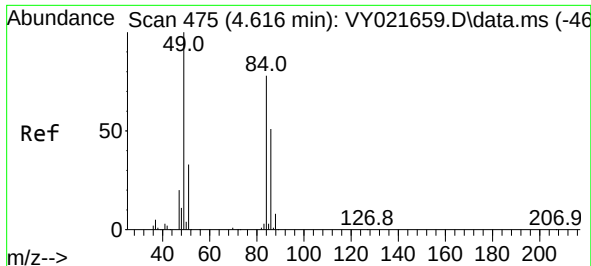
Tgt Ion:168 Resp: 241201
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#16
Acetone
Concen: 8.350 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 43 Resp: 4466
Ion Ratio Lower Upper
43 100
58 31.0 24.2 36.4

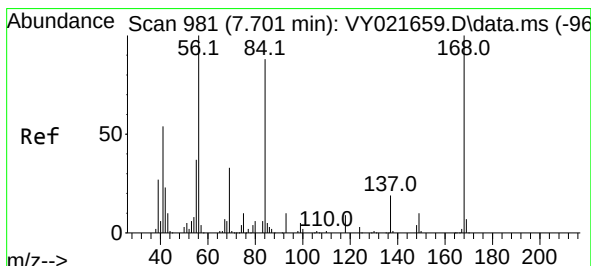
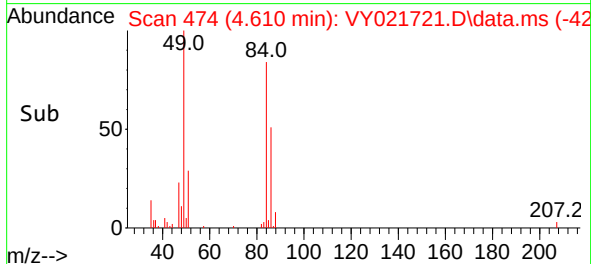
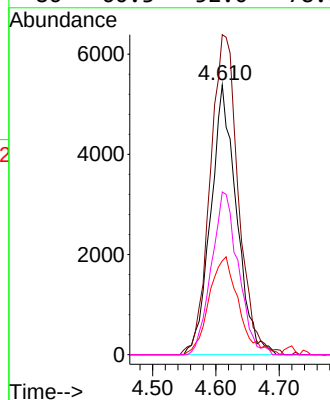
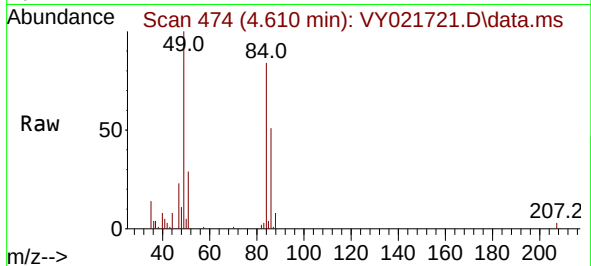




#20
Methylene Chloride
Concen: 2.128 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

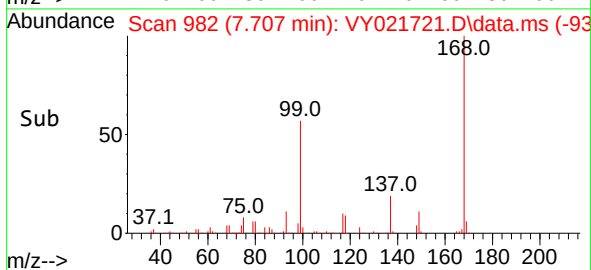
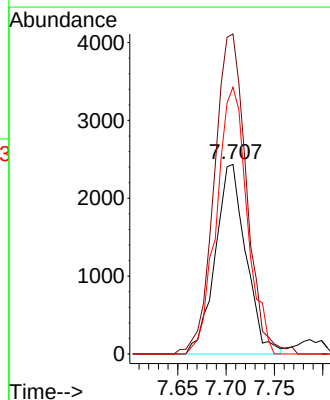
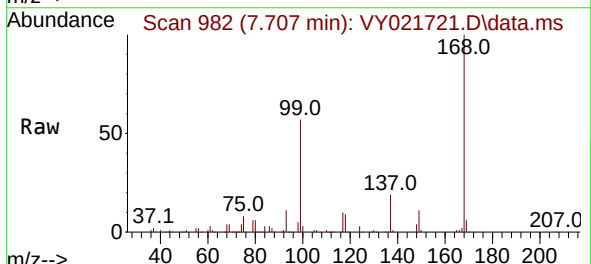
Instrument :
MSVOA_Y
ClientSampleId :
T1

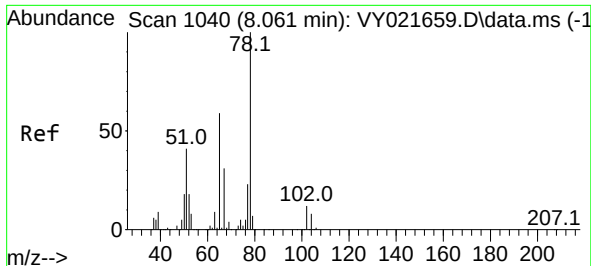
Tgt Ion:	84	Resp:	15261
Ion	Ratio	Lower	Upper
84	100		
49	118.6	102.8	154.2
51	34.8	33.5	50.3
86	60.3	52.0	78.0



#31
Cyclohexane
Concen: 1.165 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion:	56	Resp:	5372
Ion	Ratio	Lower	Upper
56	100		
69	166.3	26.6	40.0#
84	140.6	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 54.195 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021721.D

Acq: 31 Mar 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

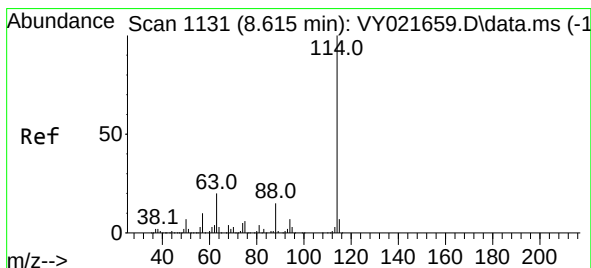
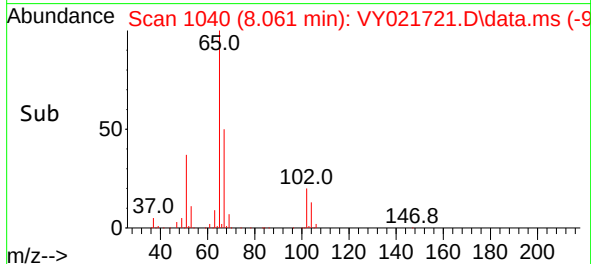
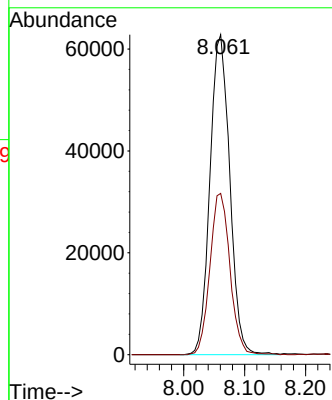
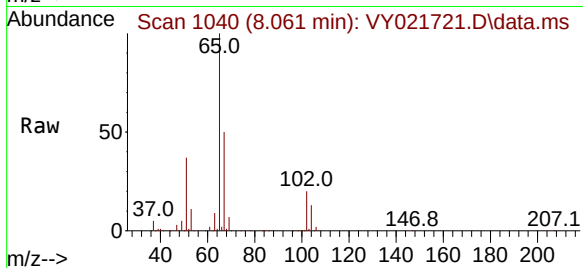
T1

Tgt Ion: 65 Resp: 141630

Ion Ratio Lower Upper

65 100

67 51.0 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: VY021721.D

Acq: 31 Mar 2025 15:48

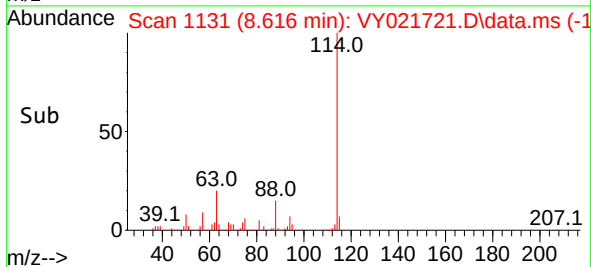
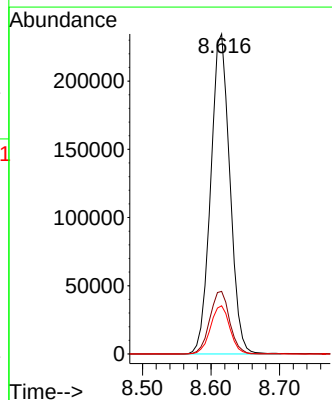
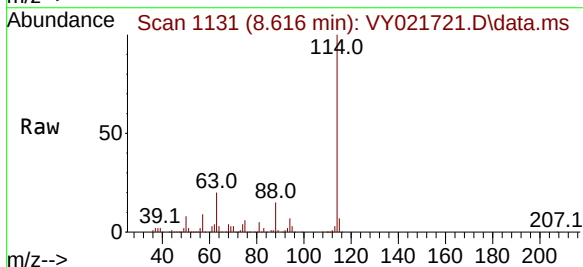
Tgt Ion: 114 Resp: 454127

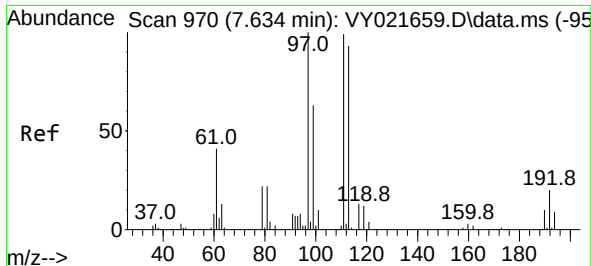
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 15.0 0.0 29.8

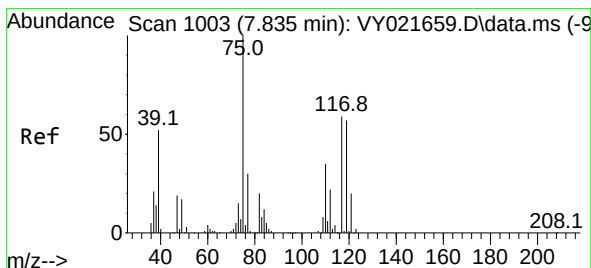
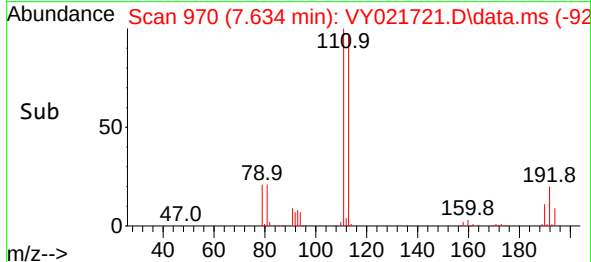
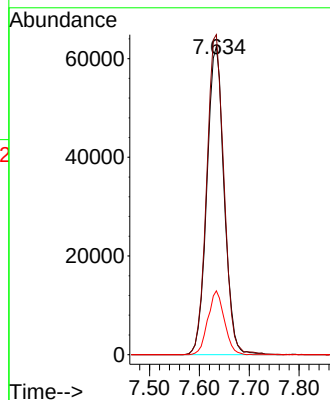
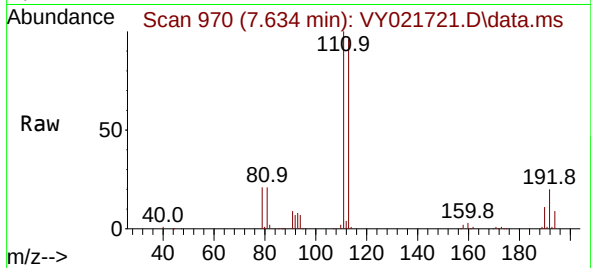




#35
Dibromofluoromethane
Concen: 50.856 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

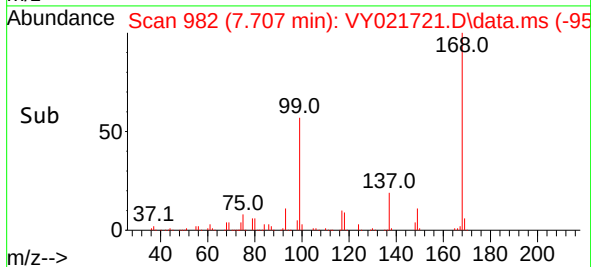
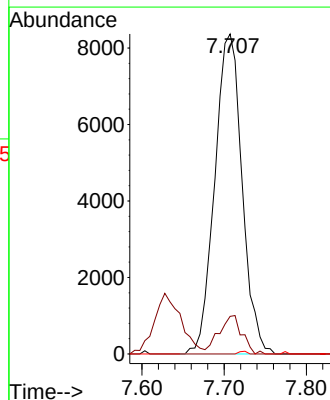
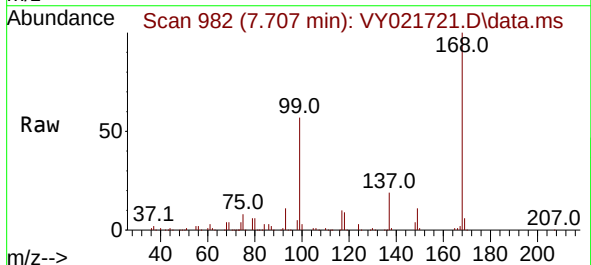
Instrument :
MSVOA_Y
ClientSampleId :
T1

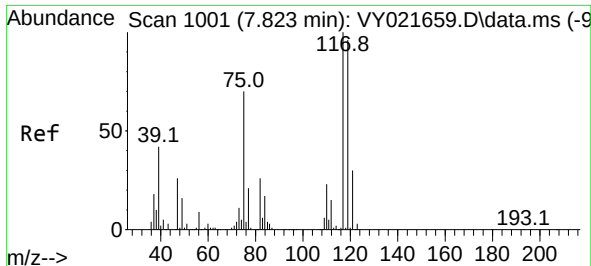
Tgt Ion:113 Resp: 149815
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 19.8 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.304 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 75 Resp: 19310
Ion Ratio Lower Upper
75 100
110 10.1 17.0 50.9#
77 0.2 24.8 37.2#

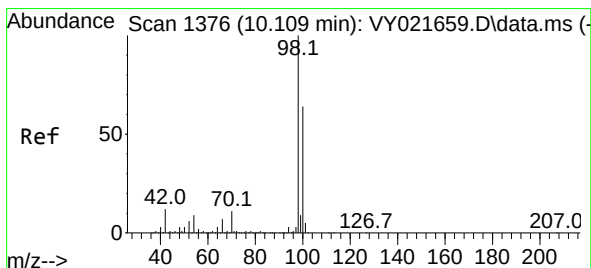
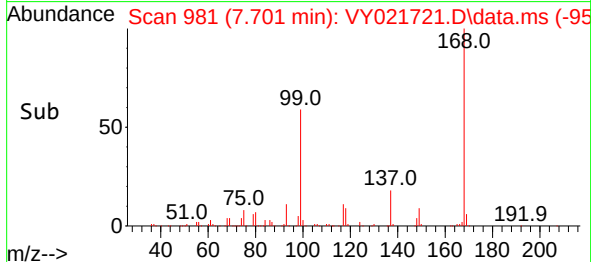
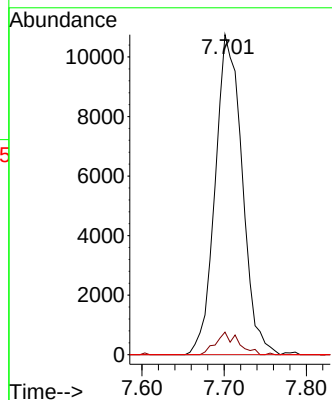
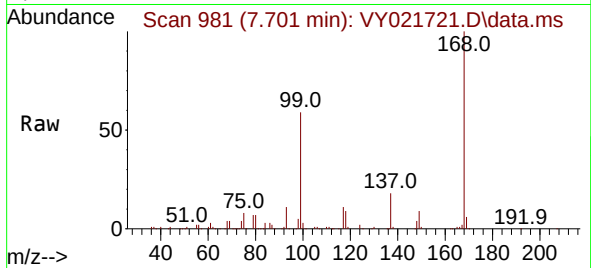




#38
Carbon Tetrachloride
Concen: 4.772 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

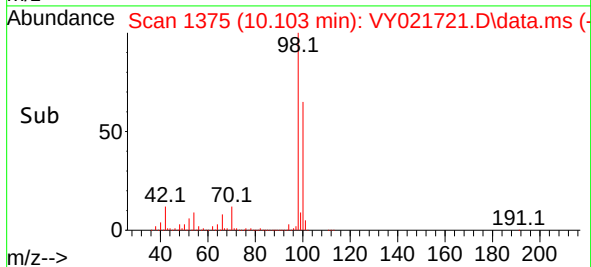
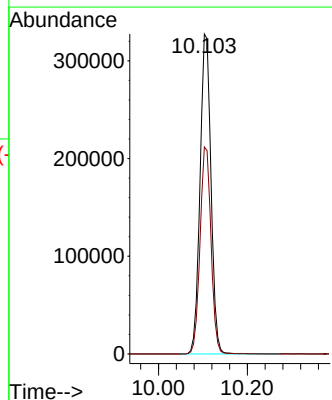
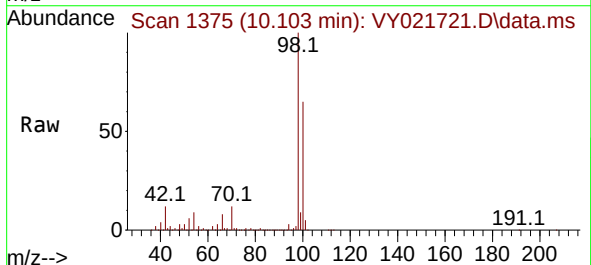
Instrument :
MSVOA_Y
ClientSampleId :
T1

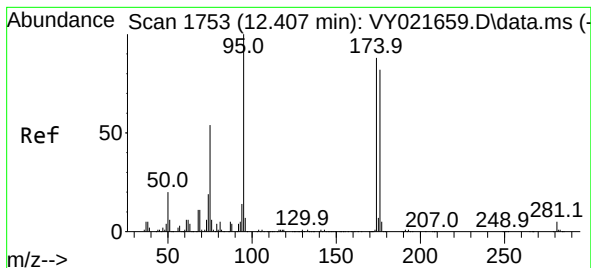
Tgt Ion:117 Resp: 24522
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.096 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion: 98 Resp: 561423
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 50.172 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021721.D

Acq: 31 Mar 2025 15:48

Instrument :

MSVOA_Y

ClientSampleId :

T1

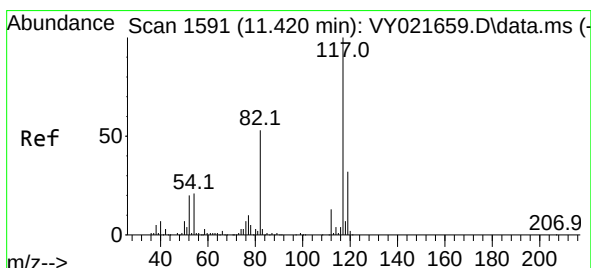
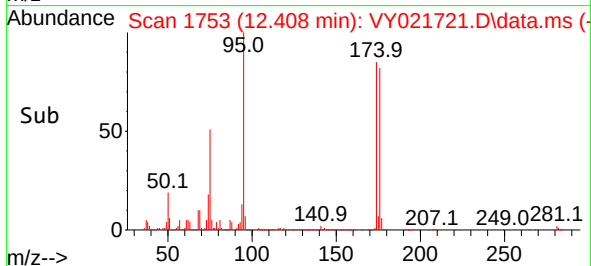
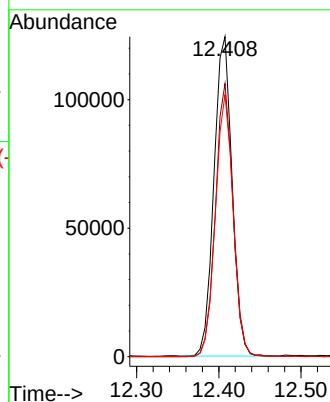
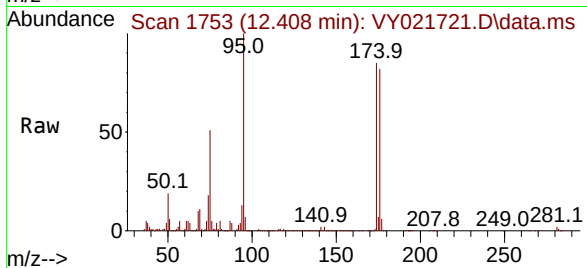
Tgt Ion: 95 Resp: 190188

Ion Ratio Lower Upper

95 100

174 83.7 0.0 170.8

176 80.3 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: VY021721.D

Acq: 31 Mar 2025 15:48

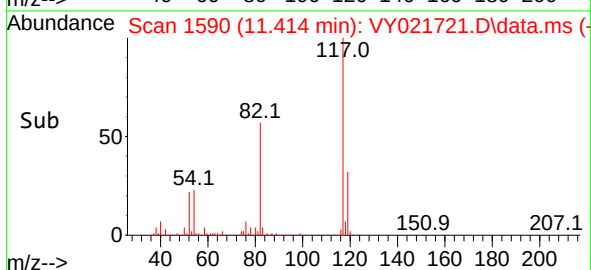
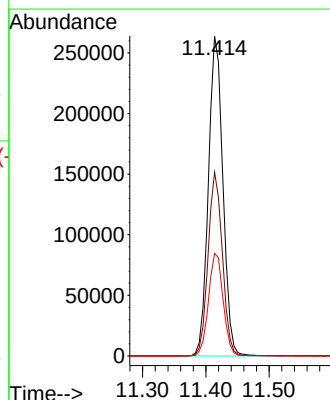
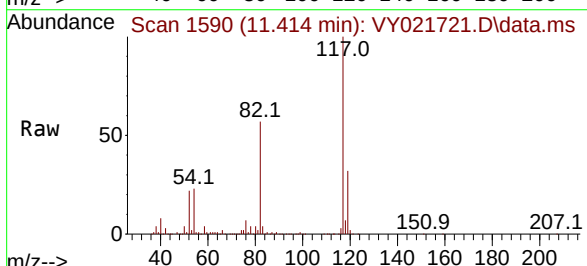
Tgt Ion: 117 Resp: 421197

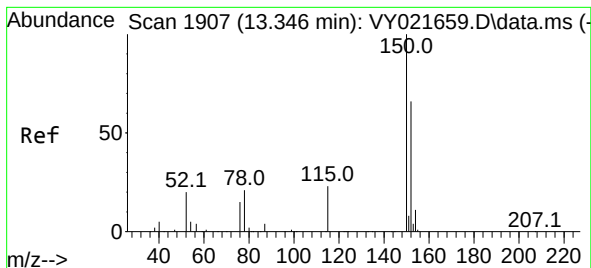
Ion Ratio Lower Upper

117 100

82 57.4 42.8 64.2

119 32.0 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: VY021721.D

Acq: 31 Mar 2025 15:48

Instrument :

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ClientSampleId :

T1

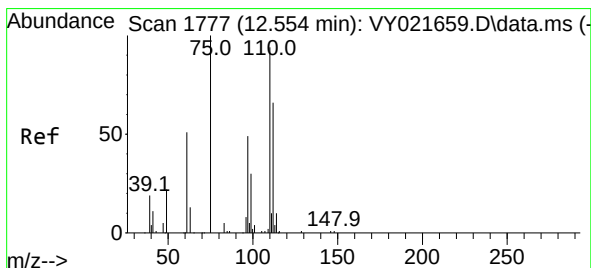
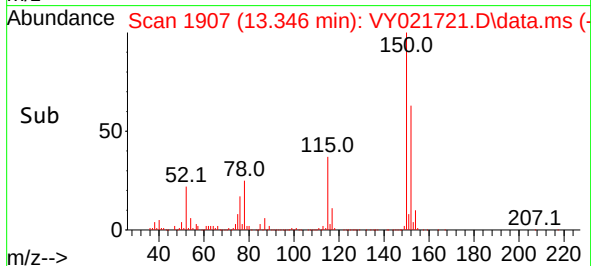
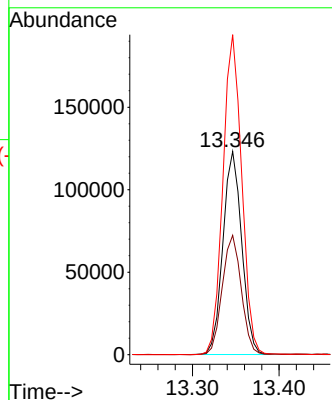
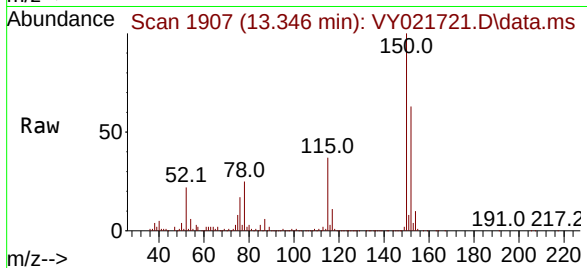
Tgt Ion:152 Resp: 185708

Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 157.5 0.0 348.4



#76

1,2,3-Trichloropropane

Concen: 54.360 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY021721.D

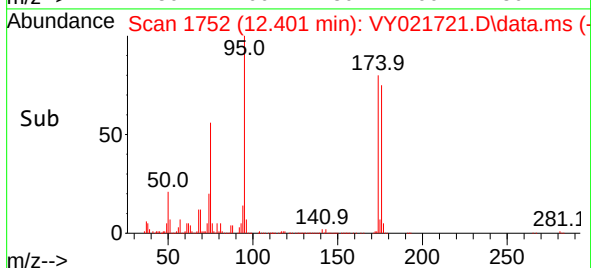
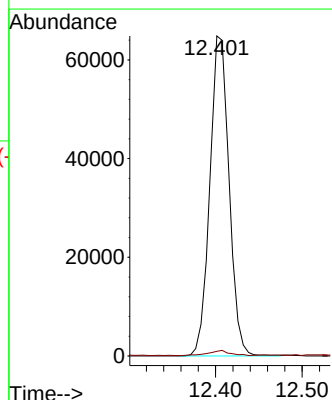
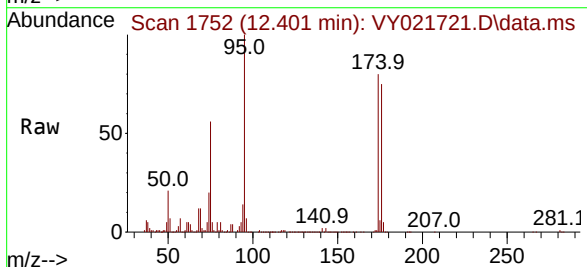
Acq: 31 Mar 2025 15:48

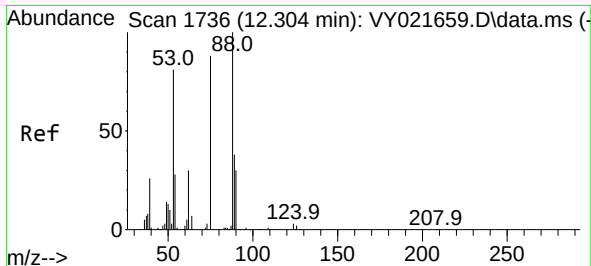
Tgt Ion: 75 Resp: 100068

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

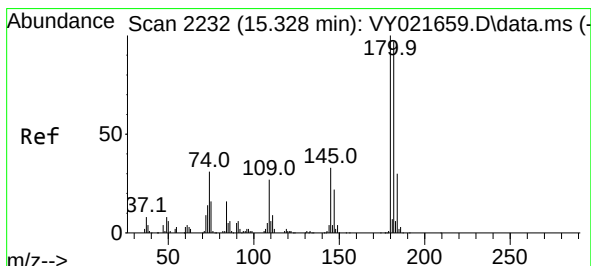
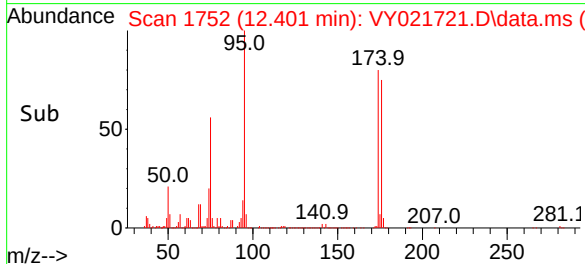
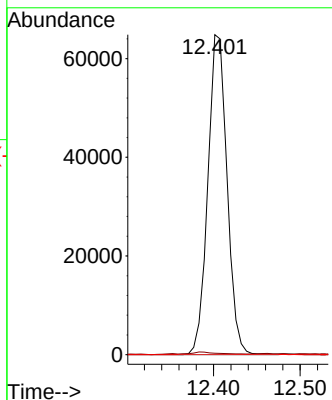
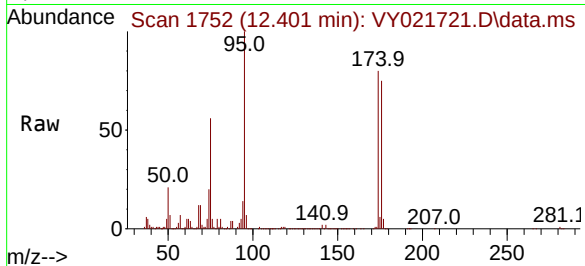




#81
trans-1,4-Dichloro-2-butene
Concen: 125.254 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Instrument :
MSVOA_Y
ClientSampleId :
T1

Tgt Ion: 75 Resp: 100068
Ion Ratio Lower Upper
75 100
53 0.9 76.1 114.1#
89 0.0 36.2 54.4#



#96
1,2,3-Trichlorobenzene
Concen: 1.010 ug/l
RT: 15.346 min Scan# 2235
Delta R.T. 0.018 min
Lab File: VY021721.D
Acq: 31 Mar 2025 15:48

Tgt Ion:180 Resp: 2653
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 97.9 15.9 47.7#

