

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022105.D
 Acq On : 01 May 2025 14:15
 Operator : SY/MD
 Sample : Q1883-11
 Misc : 14.43g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-170-SB00

Quant Time: May 02 01:30:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

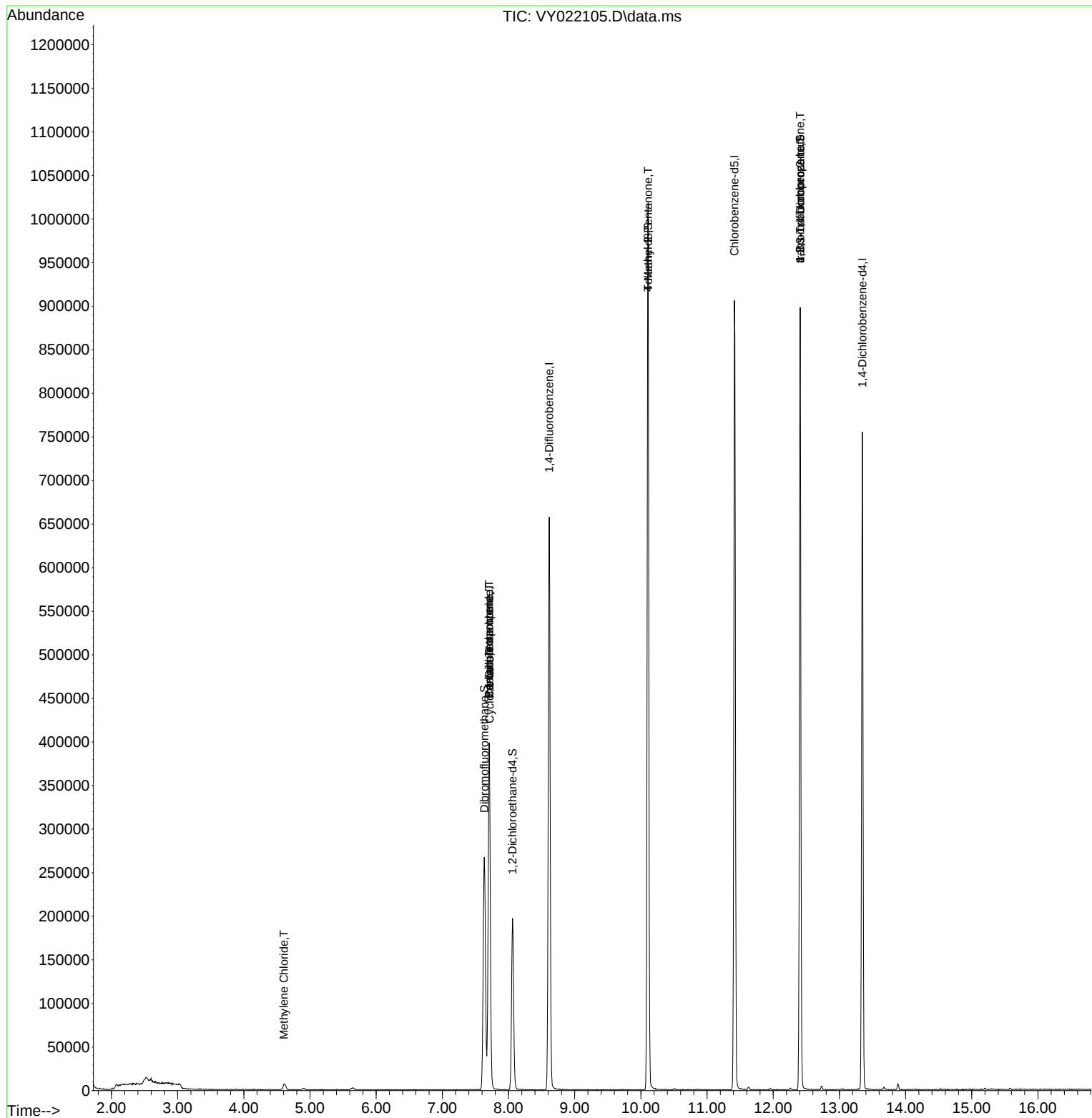
Internal Standards						
1) Pentafluorobenzene	7.707	168	310481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	585270	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	519369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	196391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	153526	53.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.060%	
35) Dibromofluoromethane	7.634	113	196359	50.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.109	98	702240	48.174	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.340%	
62) 4-Bromofluorobenzene	12.408	95	269562	54.932	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.860%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	616	Below Cal		90
20) Methylene Chloride	4.604	84	5187	1.430	ug/l #	95
31) Cyclohexane	7.713	56	5941	1.253	ug/l #	2
36) 1,1-Dichloropropene	7.707	75	22406	4.314	ug/l #	49
38) Carbon Tetrachloride	7.707	117	30804	4.963	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	2478	1.320	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	129249	76.834	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	129249	185.028	ug/l #	16

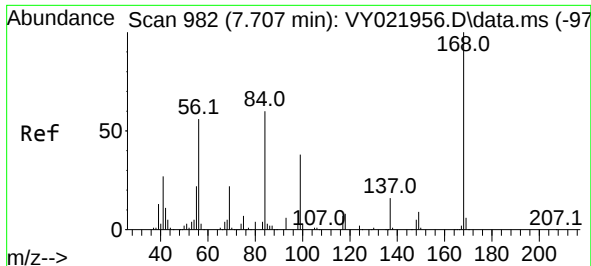
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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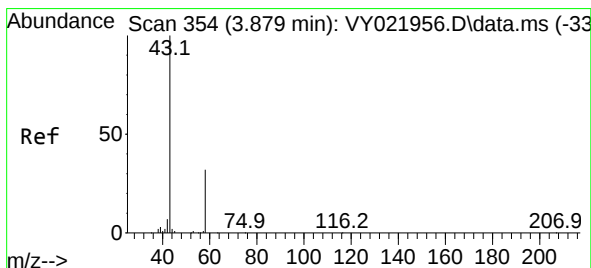
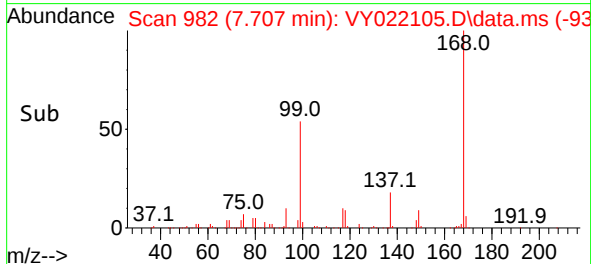
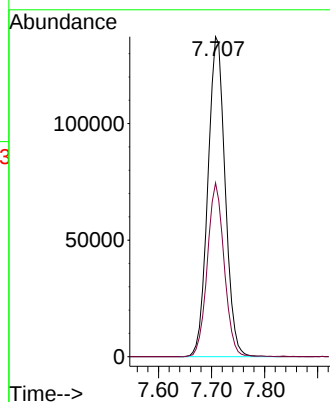
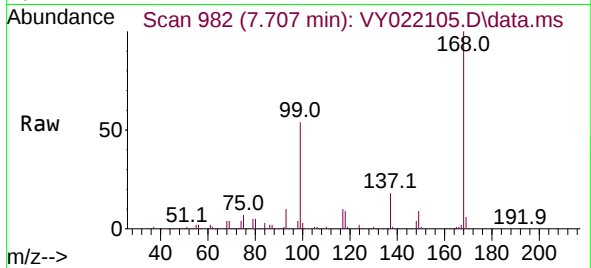




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

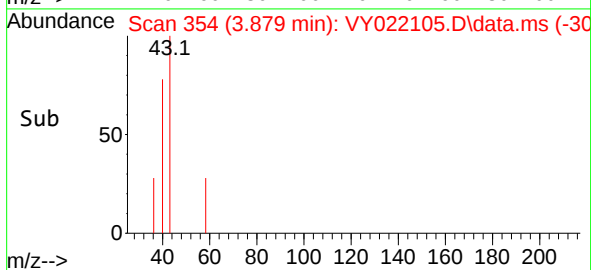
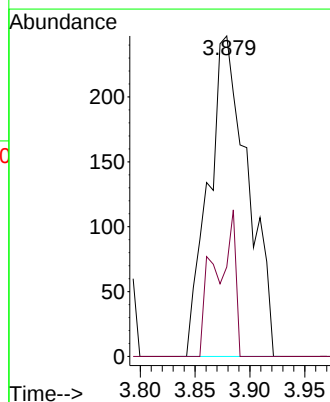
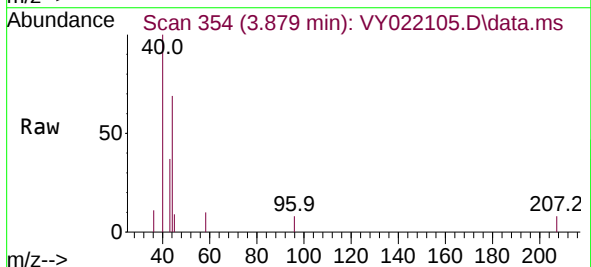
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB00

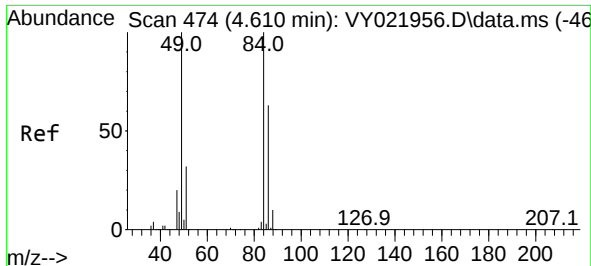
Tgt Ion:168 Resp: 310481
Ion Ratio Lower Upper
168 100
99 54.3 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 43 Resp: 616
Ion Ratio Lower Upper
43 100
58 27.9 27.0 40.4

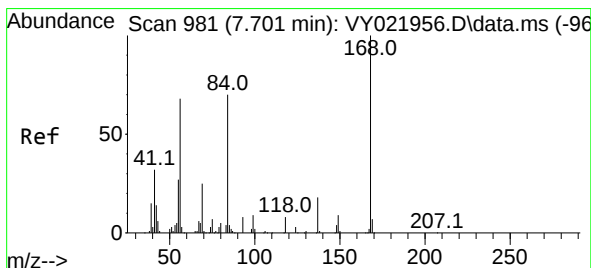
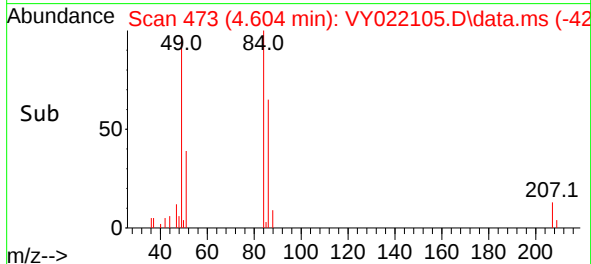
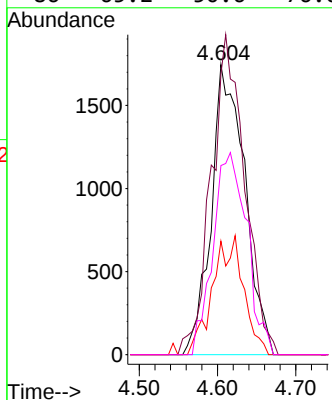
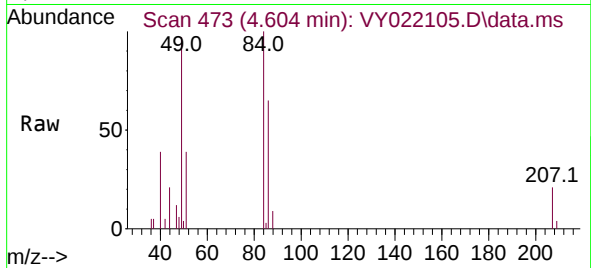




#20
Methylene Chloride
Concen: 1.430 ug/l
RT: 4.604 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

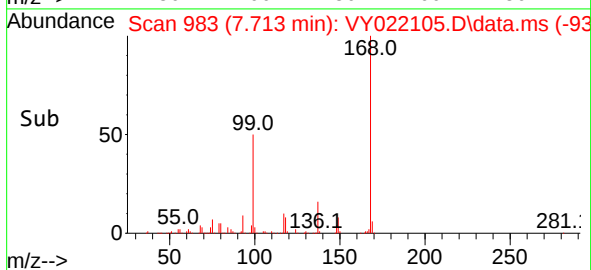
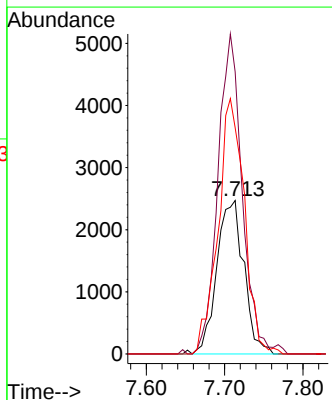
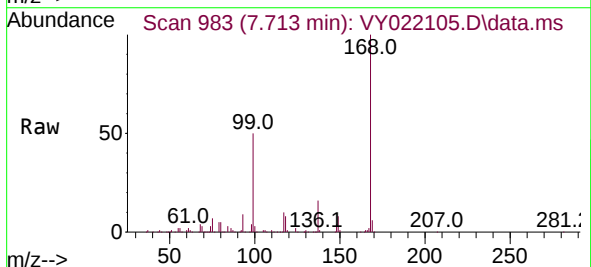
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB00

Tgt Ion:	84	Resp:	5187
Ion	Ratio	Lower	Upper
84	100		
49	96.7	79.9	119.9
51	39.1	25.4	38.0#
86	65.2	50.6	76.0



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion:	56	Resp:	5941
Ion	Ratio	Lower	Upper
56	100		
69	183.9	29.4	44.2#
84	147.5	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 53.533 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY022105.D

Acq: 01 May 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

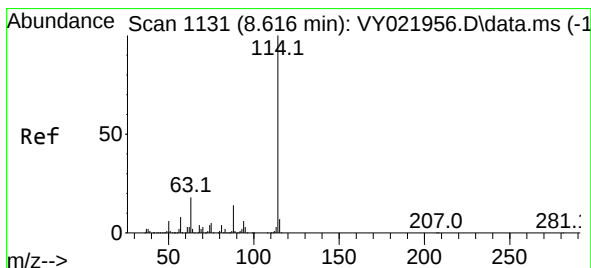
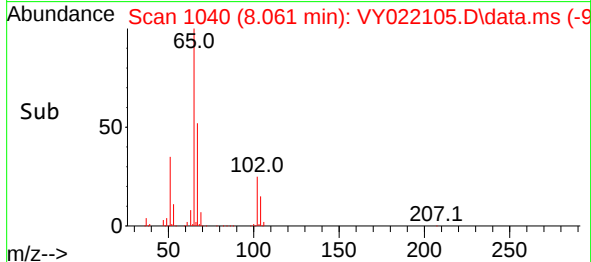
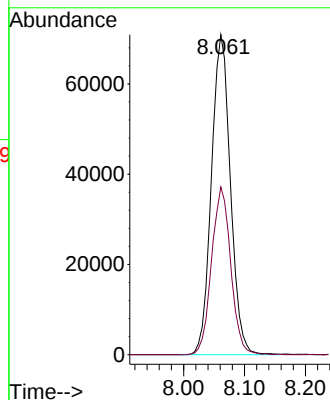
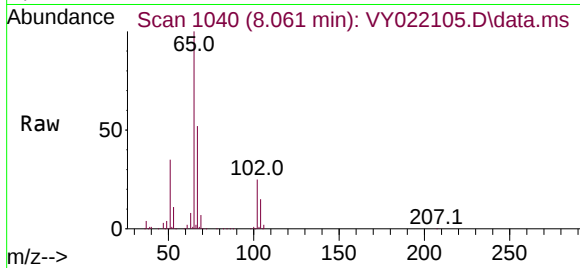
B-170-SB00

Tgt Ion: 65 Resp: 153526

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022105.D

Acq: 01 May 2025 14:15

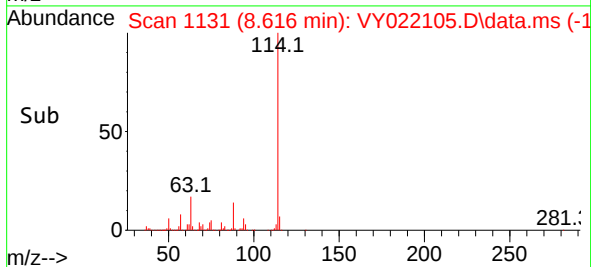
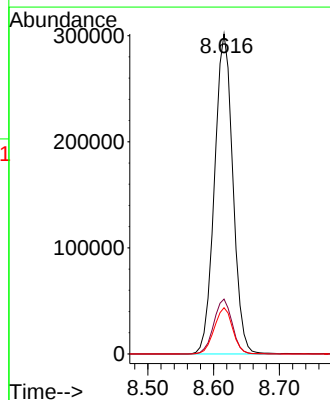
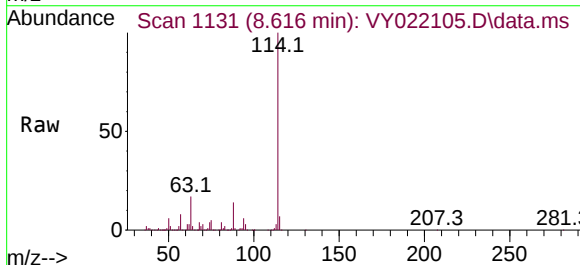
Tgt Ion: 114 Resp: 585270

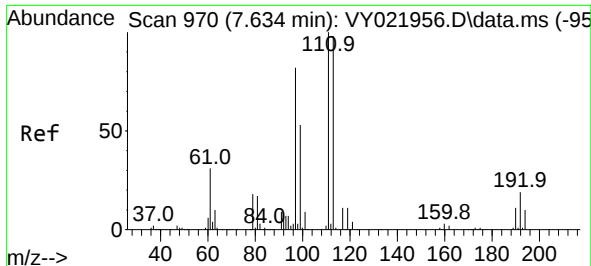
Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.4

88 14.4 0.0 28.2

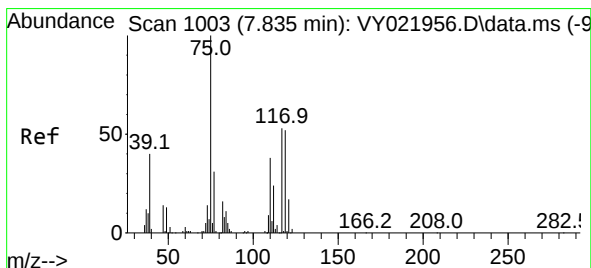
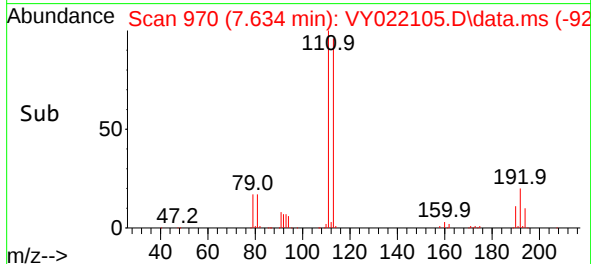
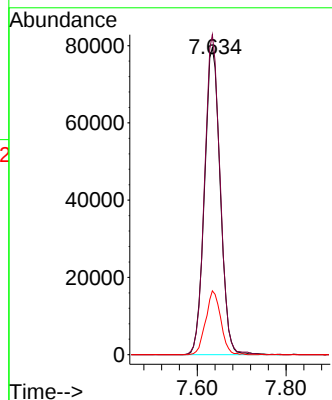
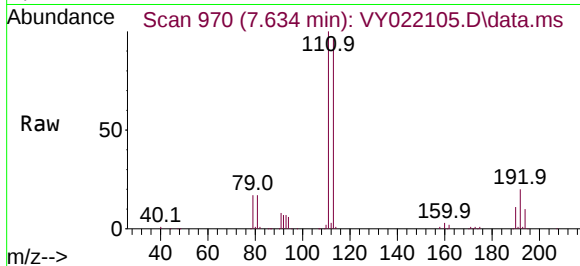




#35
Dibromofluoromethane
Concen: 50.783 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

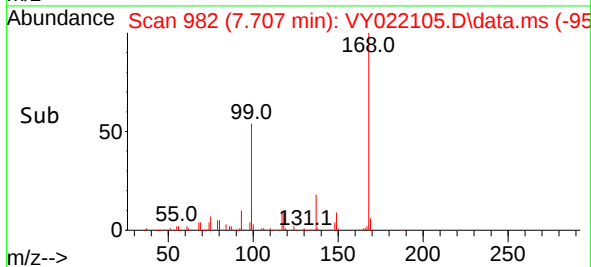
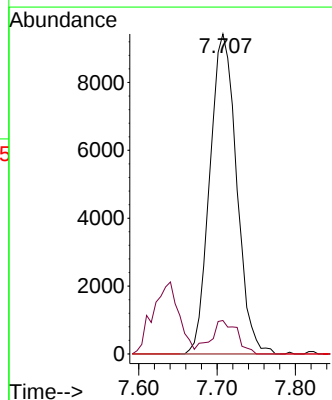
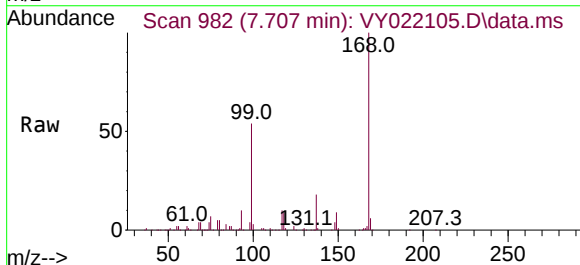
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB00

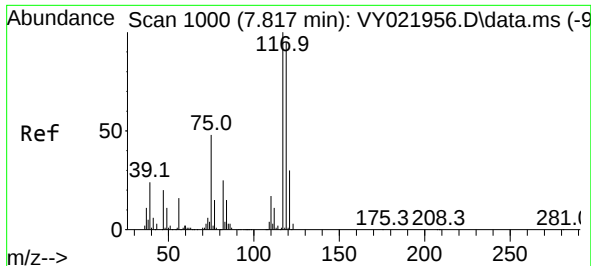
Tgt Ion:113 Resp: 196359
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 19.9 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.314 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 75 Resp: 22406
Ion Ratio Lower Upper
75 100
110 10.3 19.1 57.3#
77 0.0 25.5 38.3#

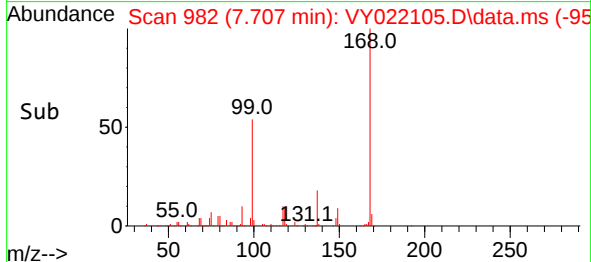
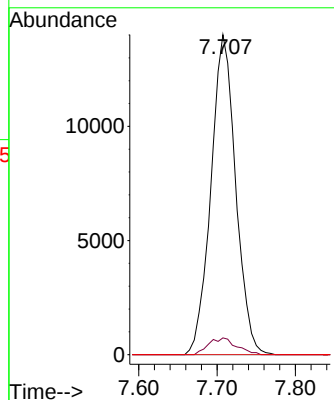
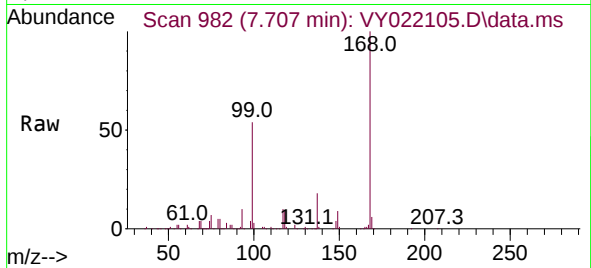




#38
Carbon Tetrachloride
Concen: 4.963 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

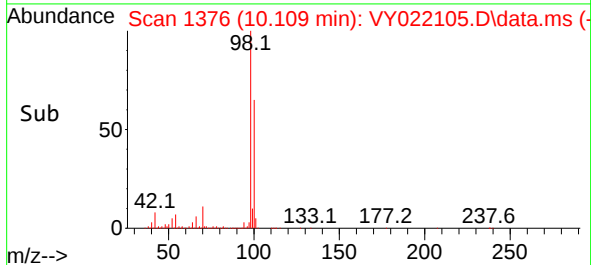
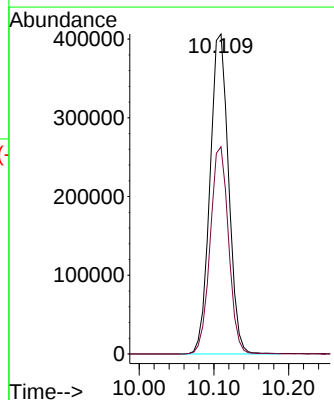
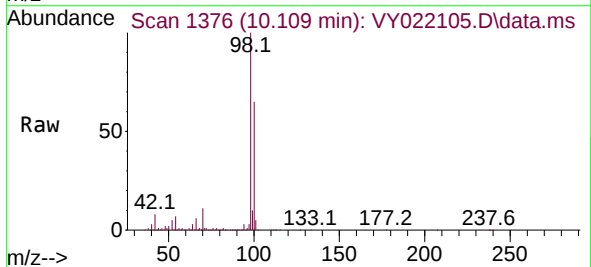
Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB00

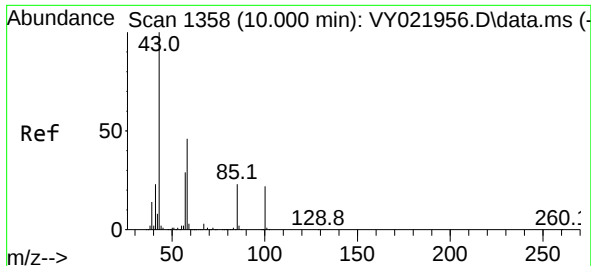
Tgt Ion:117 Resp: 30804
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.174 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 98 Resp: 702240
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

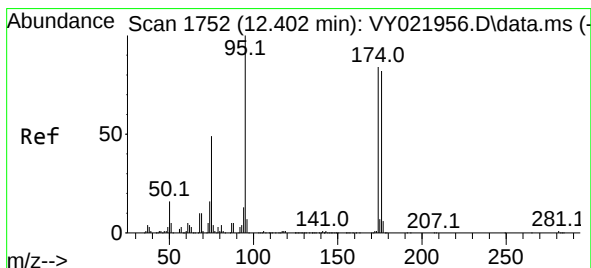
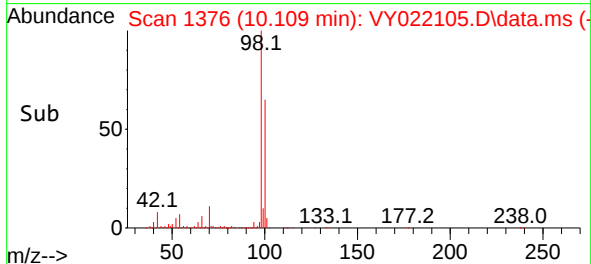
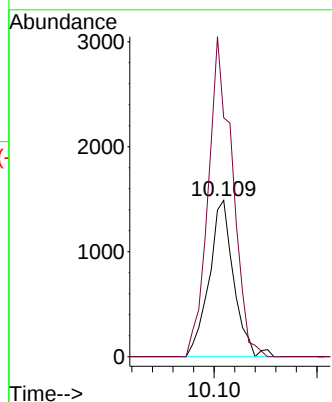
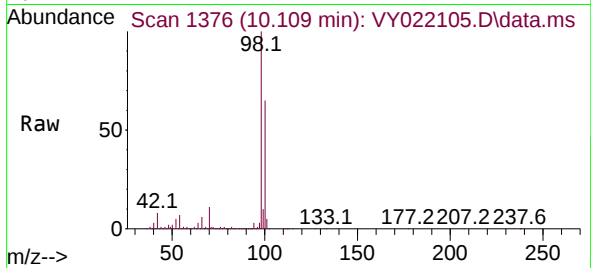




#51
4-Methyl-2-Pentanone
Concen: 1.320 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

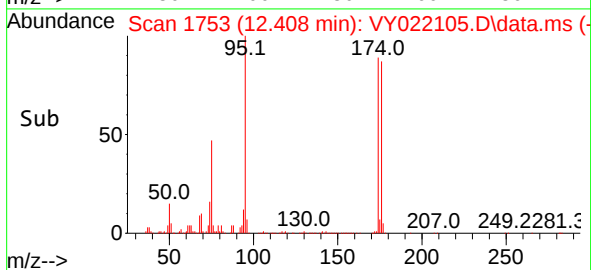
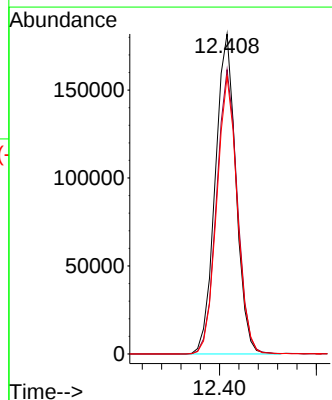
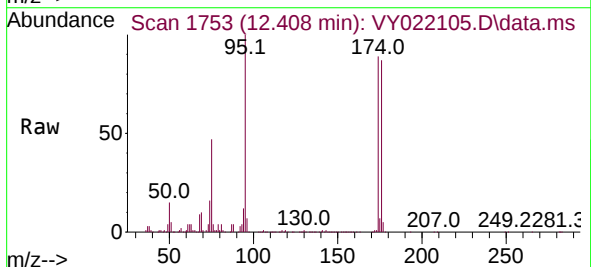
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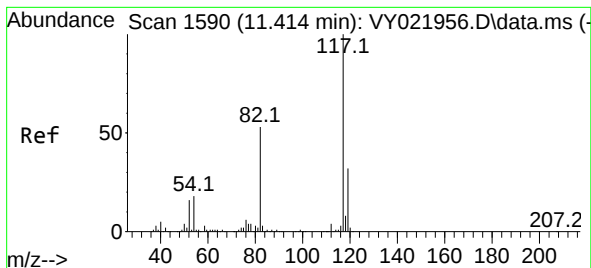
Tgt Ion: 43 Resp: 2478
Ion Ratio Lower Upper
43 100
58 200.3 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 54.932 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 95 Resp: 269562
Ion Ratio Lower Upper
95 100
174 89.5 0.0 179.0
176 86.2 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022105.D

Acq: 01 May 2025 14:15

Instrument :

MSVOA_Y

ClientSampleId :

B-170-SB00

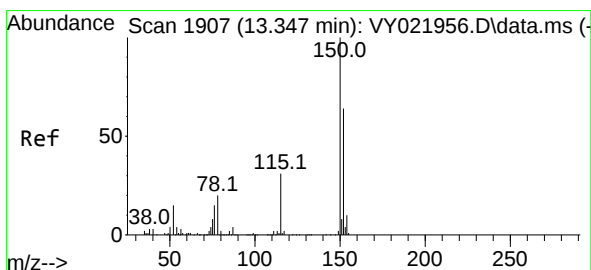
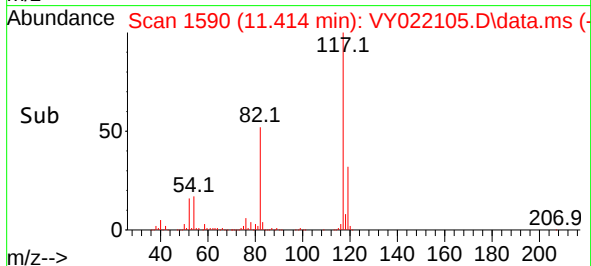
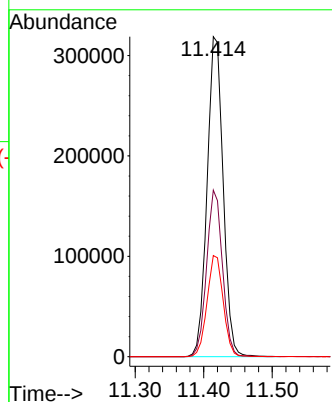
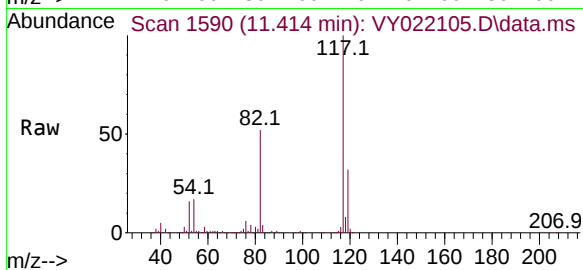
Tgt Ion:117 Resp: 519369

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

119 31.6 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022105.D

Acq: 01 May 2025 14:15

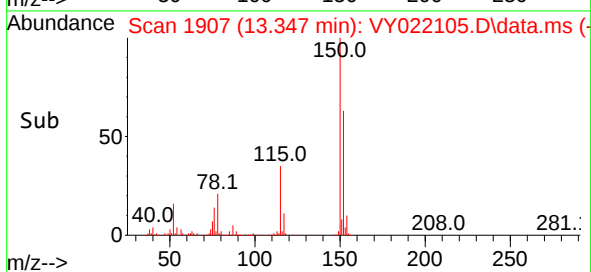
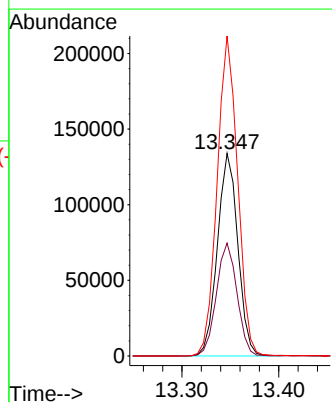
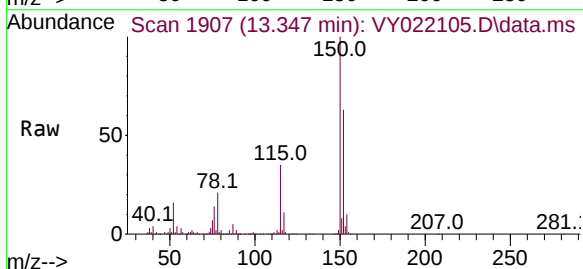
Tgt Ion:152 Resp: 196391

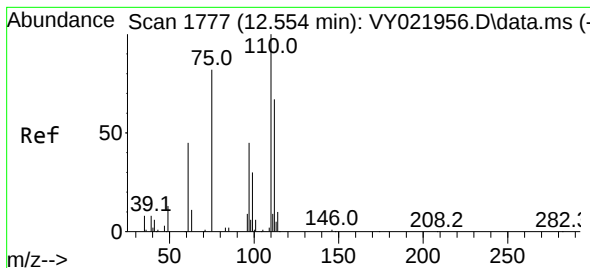
Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 158.2 0.0 345.6

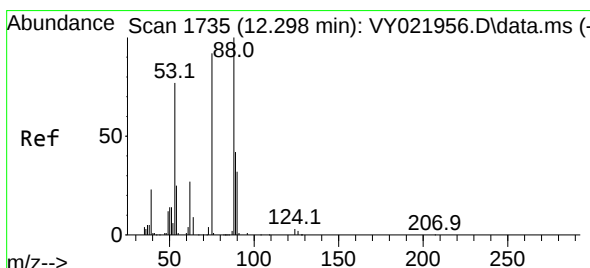
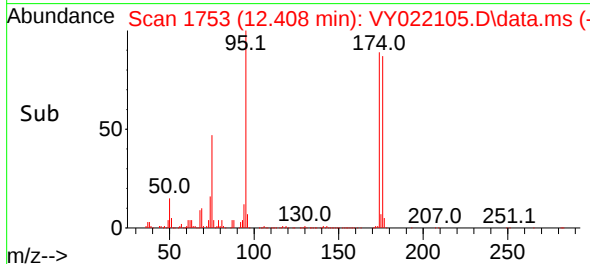
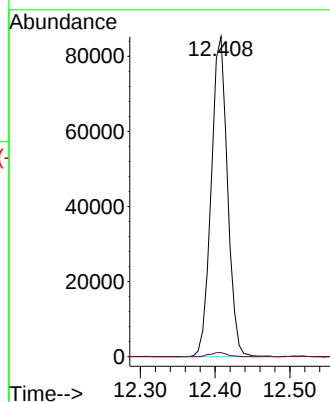
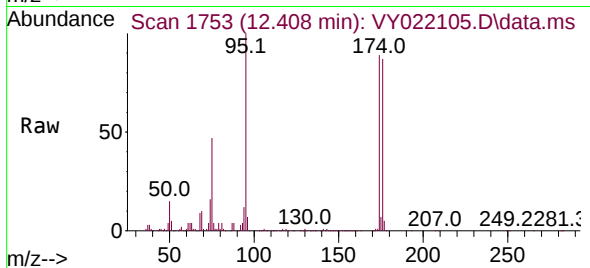




#76
1,2,3-Trichloropropane
Concen: 76.834 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Instrument :
MSVOA_Y
ClientSampleId :
B-170-SB00

Tgt Ion: 75 Resp: 129249
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 185.028 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022105.D
Acq: 01 May 2025 14:15

Tgt Ion: 75 Resp: 129249
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.1 37.2 55.8#

