

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023177.D
 Acq On : 20 Aug 2025 15:45
 Operator : SY/MD
 Sample : Q2892-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-FLOOR-NORTH-D

Quant Time: Aug 21 01:40:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

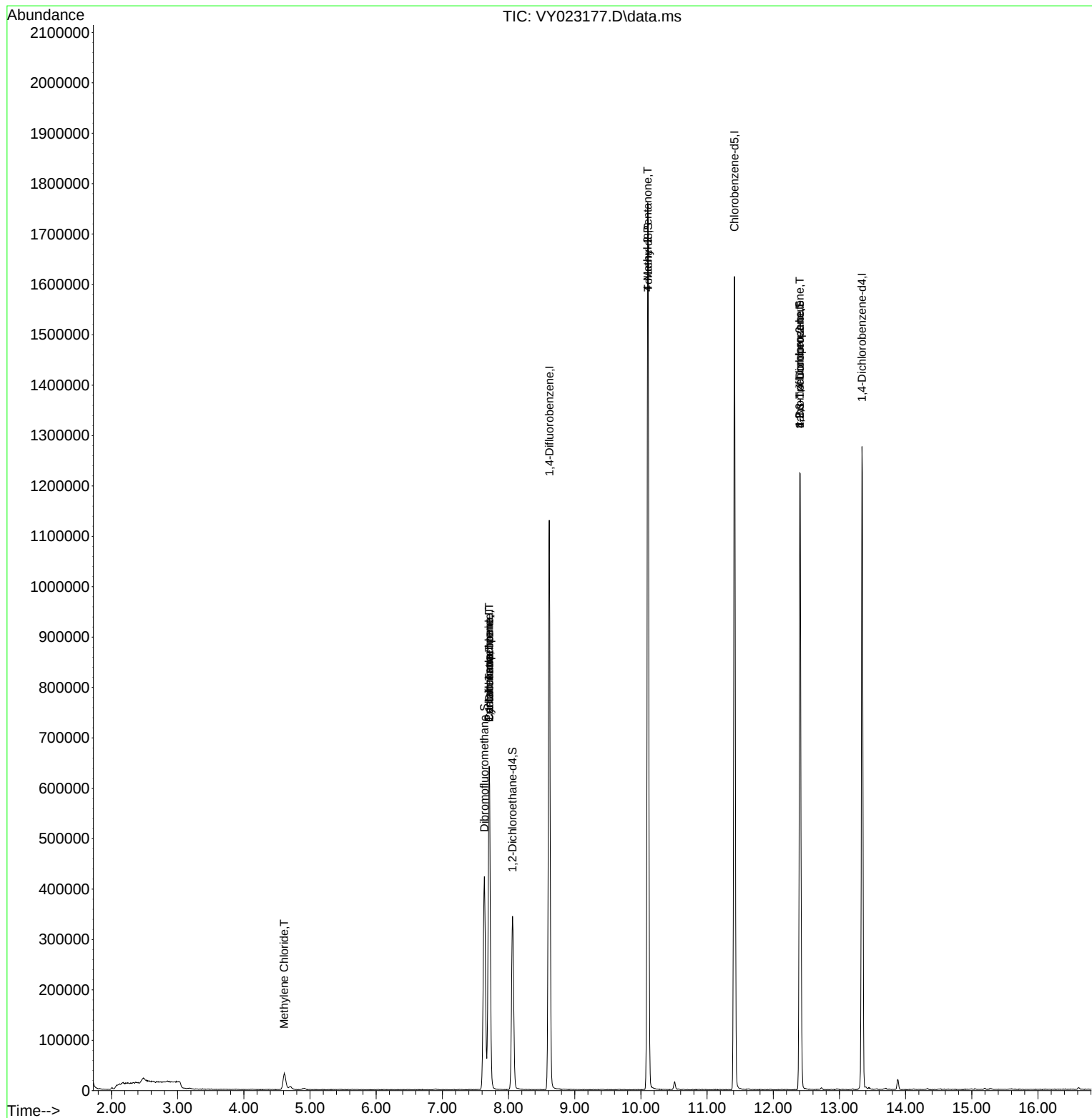
Internal Standards						
1) Pentafluorobenzene	7.707	168	496959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	948133	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	845587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	329619	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	269775	56.958	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.920%	
35) Dibromofluoromethane	7.634	113	299461	52.784	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.560%	
50) Toluene-d8	10.109	98	1153895	52.063	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.120%	
62) 4-Bromofluorobenzene	12.402	95	330174	46.323	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.640%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	23422	1.771	ug/l	94
31) Cyclohexane	7.707	56	10721	1.215	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	38890	4.613	ug/l #	49
38) Carbon Tetrachloride	7.707	117	48778	5.327	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	4843	1.312	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	171846	54.020	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	171846	130.764	ug/l #	14

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

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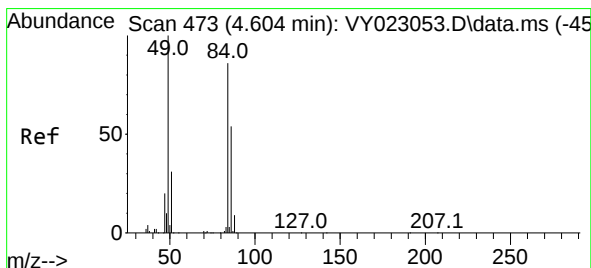
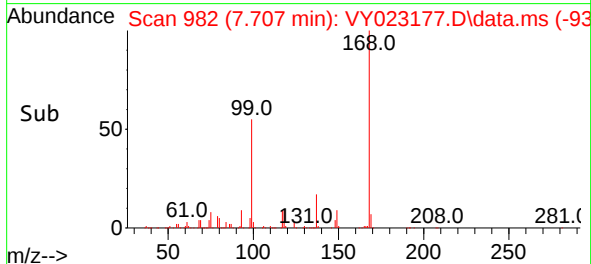
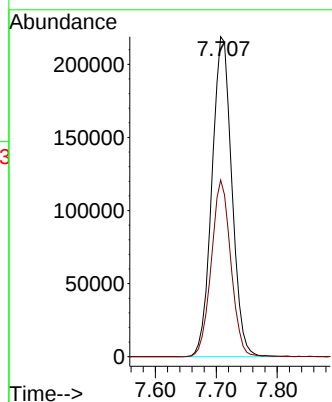
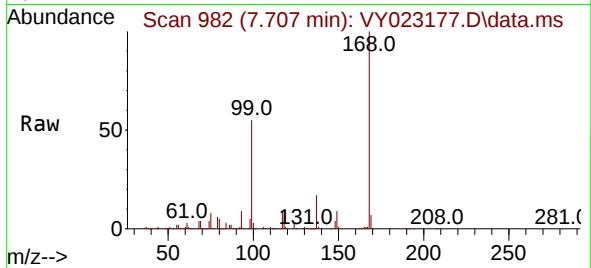




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

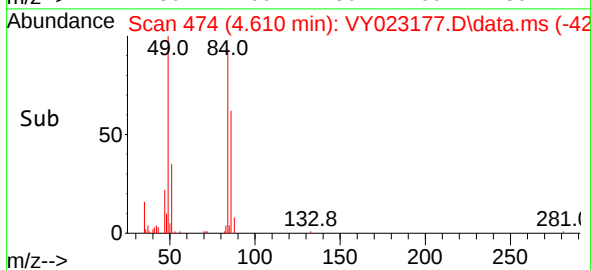
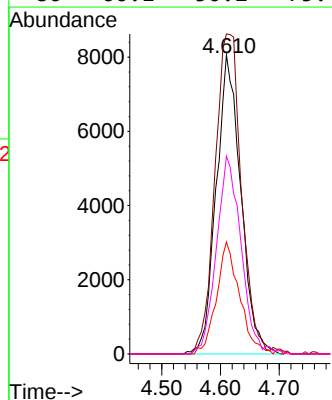
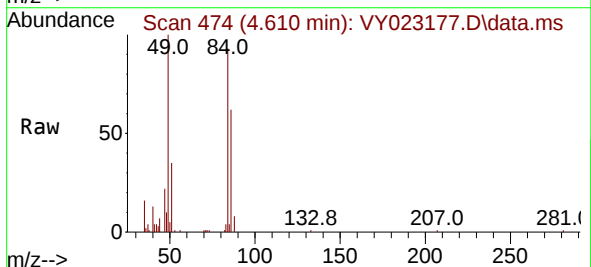
Instrument :
MSVOA_Y
ClientSampleId :
3-FLOOR-NORTH-D

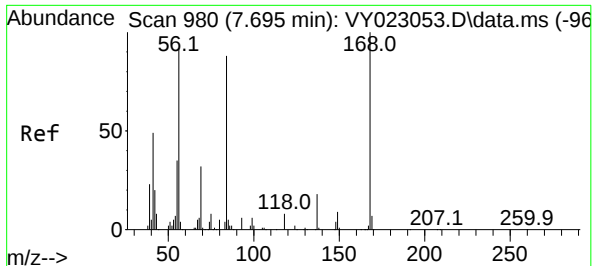
Tgt Ion:168 Resp: 496959
Ion Ratio Lower Upper
168 100
99 55.2 42.8 64.2



#20
Methylene Chloride
Concen: 1.771 ug/l
RT: 4.610 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

Tgt Ion: 84 Resp: 23422
Ion Ratio Lower Upper
84 100
49 107.0 93.0 139.6
51 37.4 29.0 43.4
86 66.1 50.2 75.4

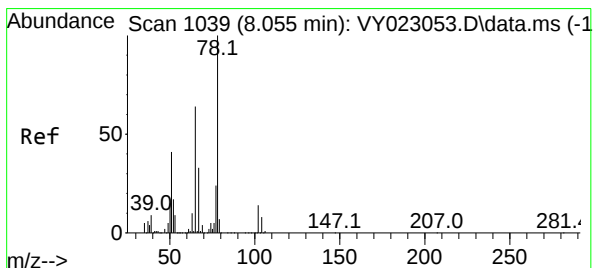
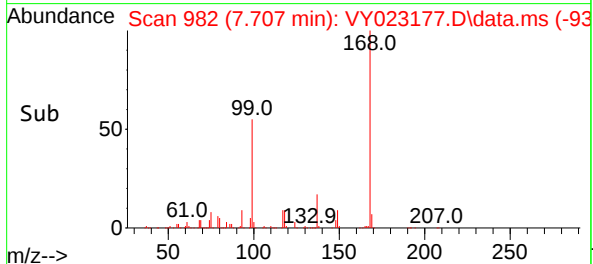
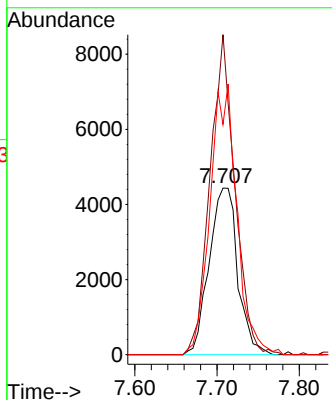
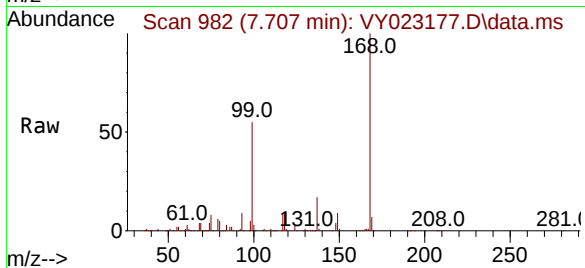




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

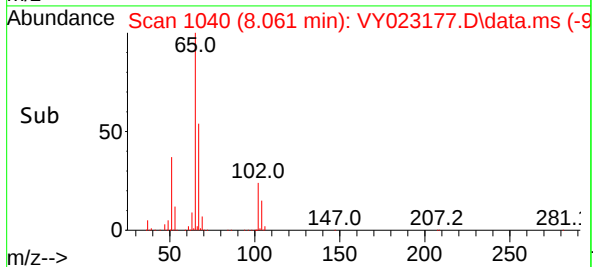
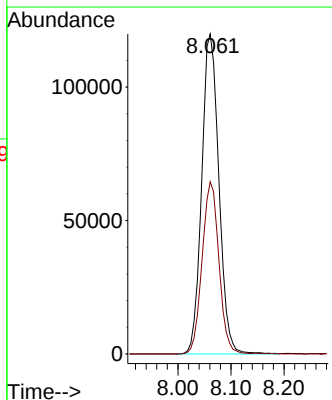
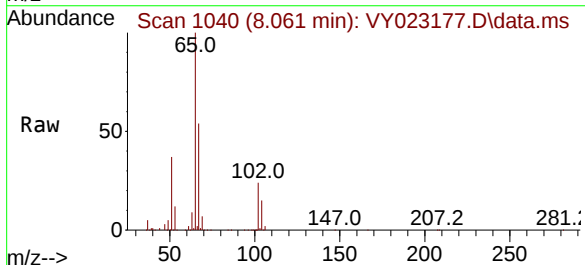
Instrument :
MSVOA_Y
ClientSampleId :
3-FLOOR-NORTH-D

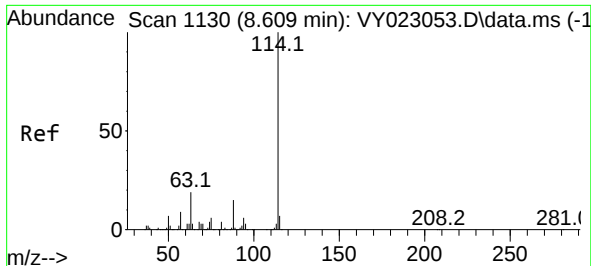
Tgt Ion: 56 Resp: 10721
Ion Ratio Lower Upper
56 100
69 192.0 28.2 42.2#
84 138.1 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 56.958 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

Tgt Ion: 65 Resp: 269775
Ion Ratio Lower Upper
65 100
67 52.6 0.0 106.8

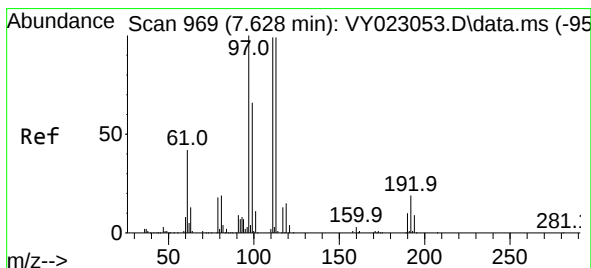
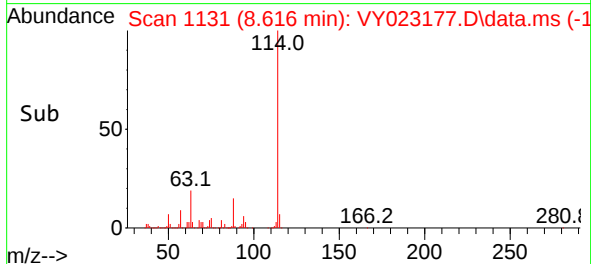
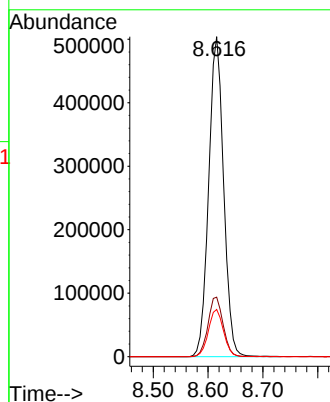
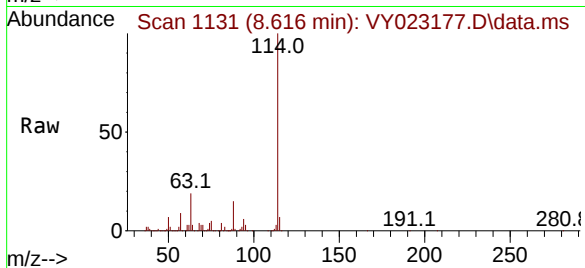




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

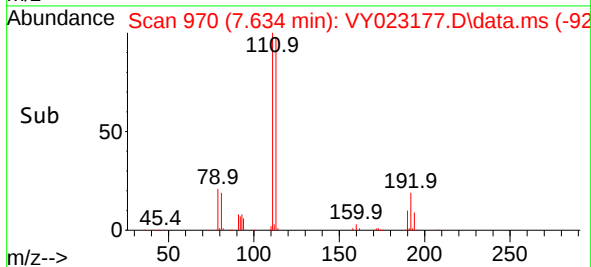
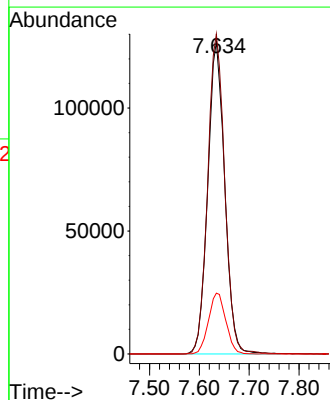
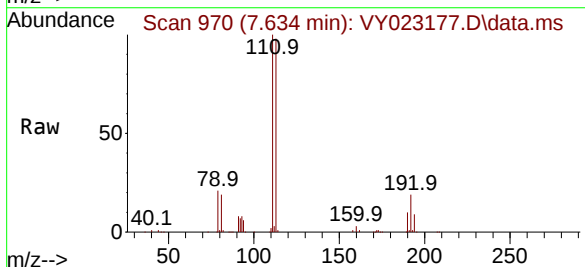
Instrument :
MSVOA_Y
ClientSampleId :
3-FLOOR-NORTH-D

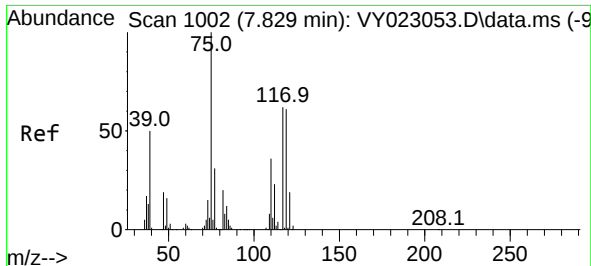
Tgt Ion:114 Resp: 948133
Ion Ratio Lower Upper
114 100
63 18.6 0.0 38.4
88 14.8 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.784 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

Tgt Ion:113 Resp: 299461
Ion Ratio Lower Upper
113 100
111 103.1 81.1 121.7
192 19.9 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.613 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY023177.D

Acq: 20 Aug 2025 15:45

Instrument :

MSVOA_Y

ClientSampleId :

3-FLOOR-NORTH-D

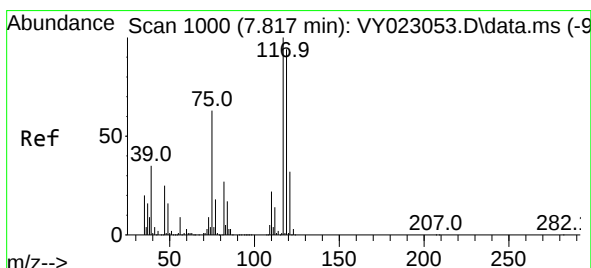
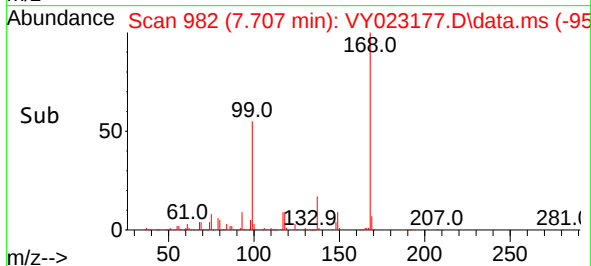
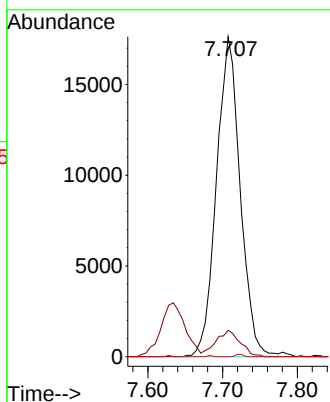
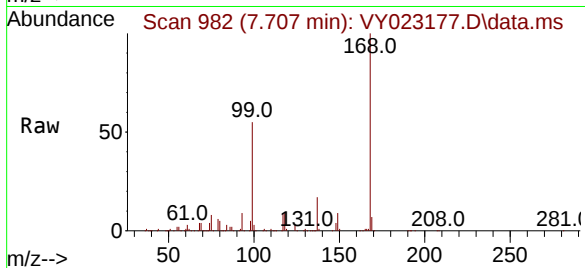
Tgt Ion: 75 Resp: 38890

Ion Ratio Lower Upper

75 100

110 8.5 18.1 54.4#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.327 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023177.D

Acq: 20 Aug 2025 15:45

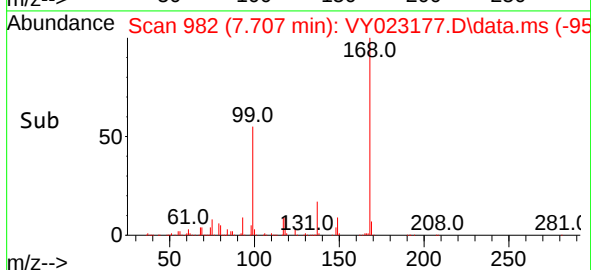
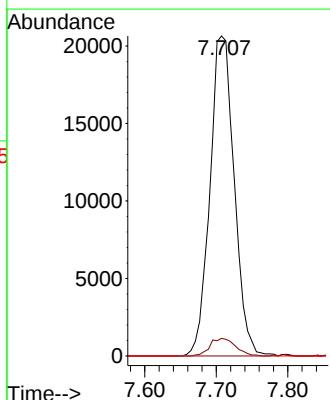
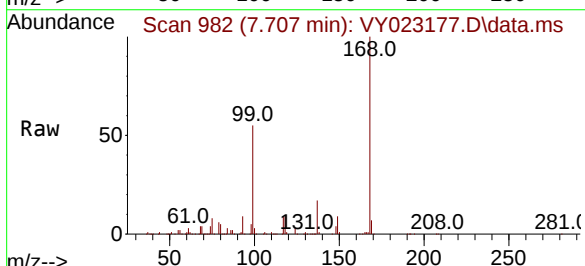
Tgt Ion: 117 Resp: 48778

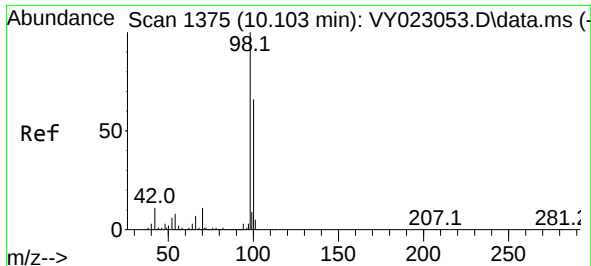
Ion Ratio Lower Upper

117 100

119 5.5 75.6 113.4#

121 0.0 25.8 38.8#

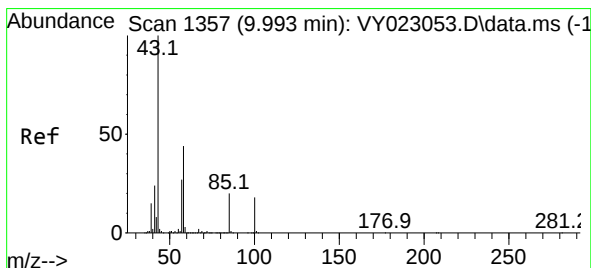
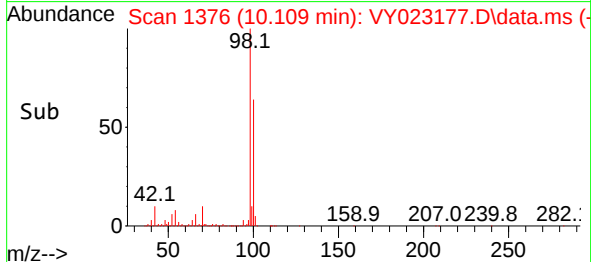
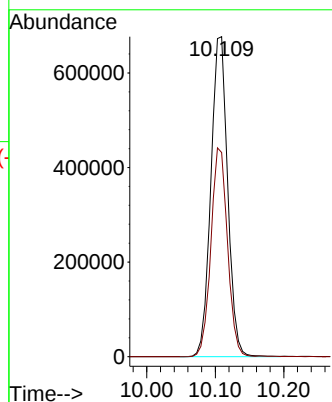
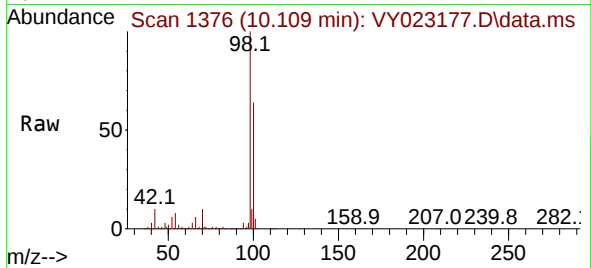




#50
Toluene-d8
Concen: 52.063 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

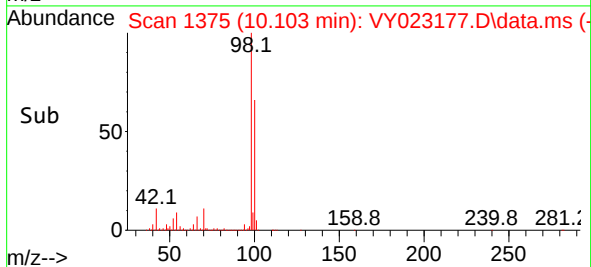
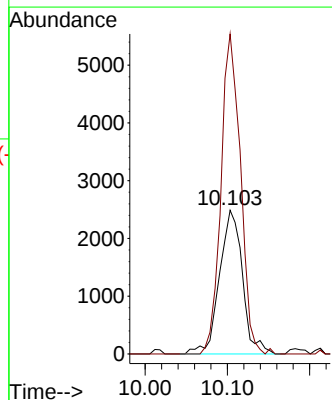
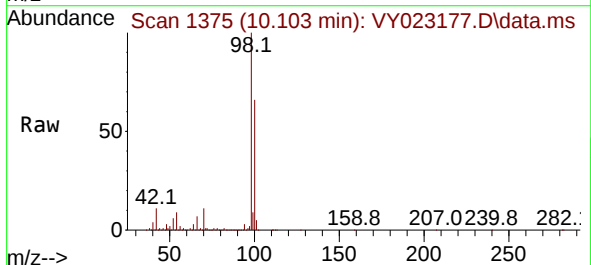
Instrument :
MSVOA_Y
ClientSampleId :
3-FLOOR-NORTH-D

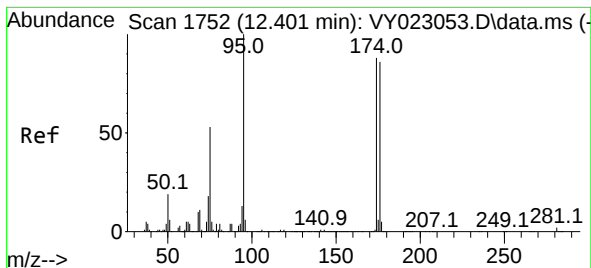
Tgt Ion: 98 Resp: 1153895
Ion Ratio Lower Upper
98 100
100 64.7 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.312 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

Tgt Ion: 43 Resp: 4843
Ion Ratio Lower Upper
43 100
58 188.7 33.5 50.3#

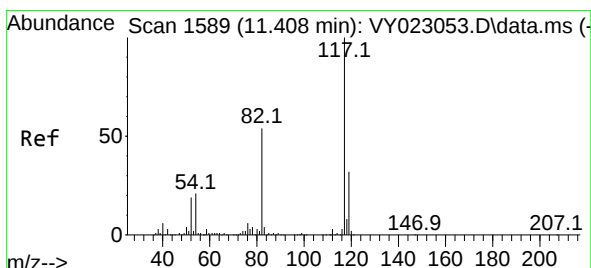
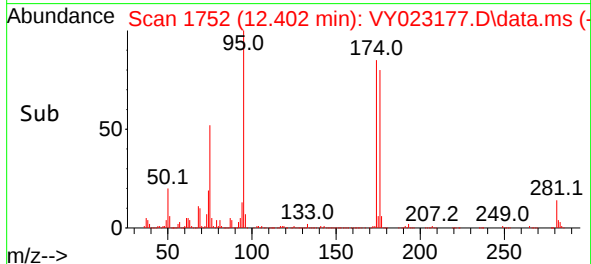
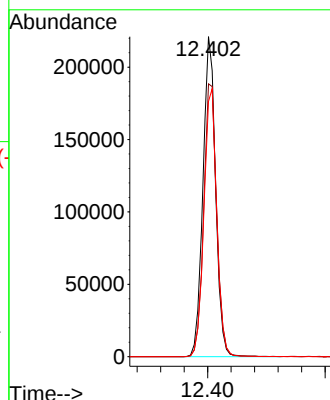
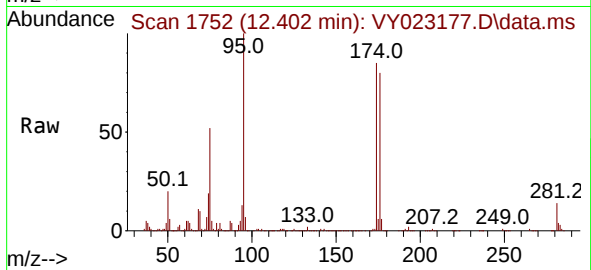




#62
4-Bromofluorobenzene
Concen: 46.323 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

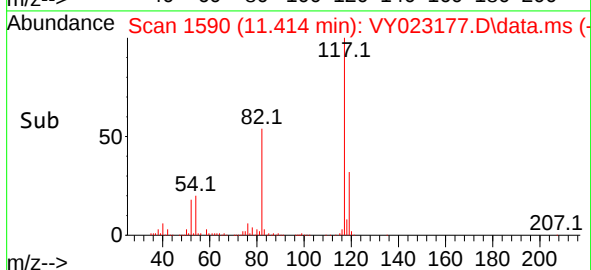
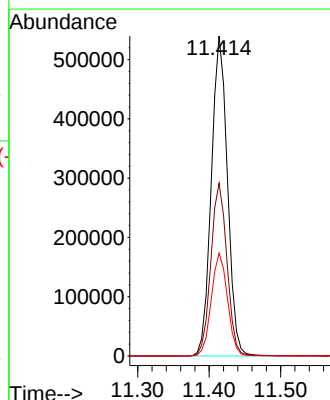
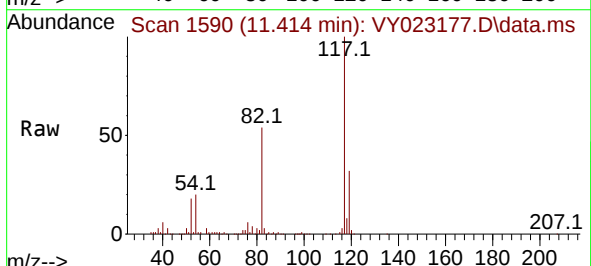
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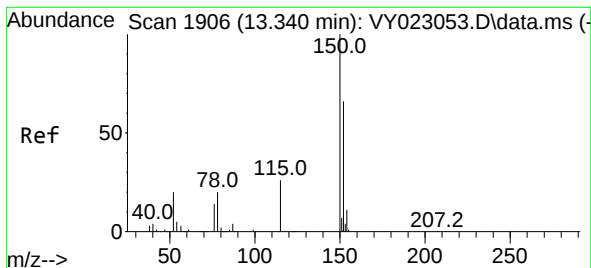
Tgt Ion: 95 Resp: 330174
Ion Ratio Lower Upper
95 100
174 88.0 0.0 171.6
176 85.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023177.D
Acq: 20 Aug 2025 15:45

Tgt Ion: 117 Resp: 845587
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 32.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023177.D

Acq: 20 Aug 2025 15:45

Instrument :

MSVOA_Y

ClientSampleId :

3-FLOOR-NORTH-D

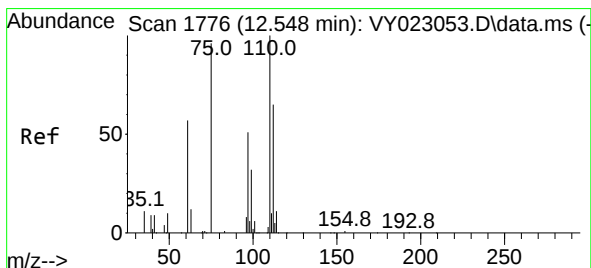
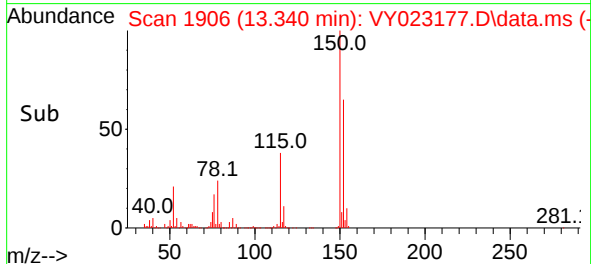
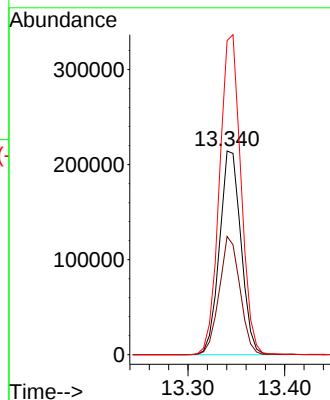
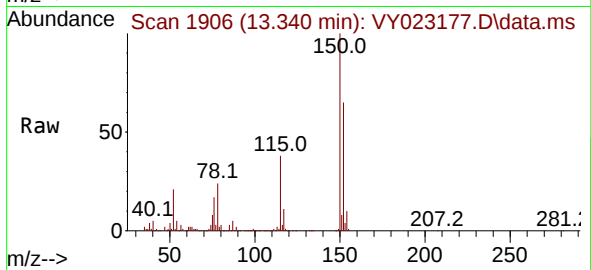
Tgt Ion:152 Resp: 329619

Ion Ratio Lower Upper

152 100

115 56.4 28.2 84.6

150 157.2 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 54.020 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023177.D

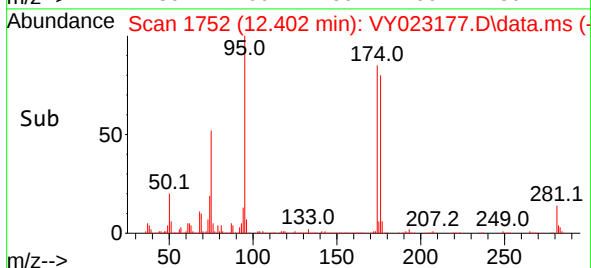
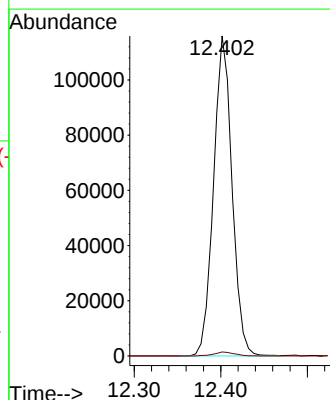
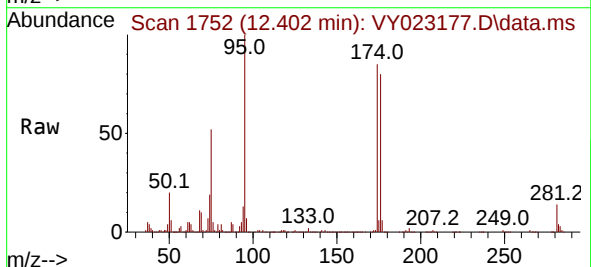
Acq: 20 Aug 2025 15:45

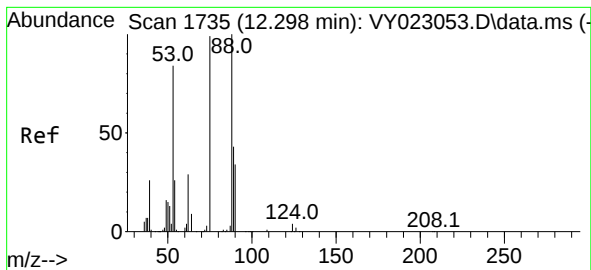
Tgt Ion: 75 Resp: 171846

Ion Ratio Lower Upper

75 100

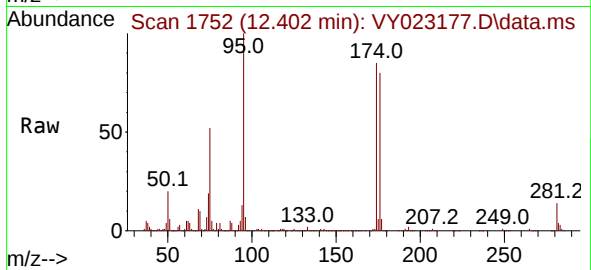
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.764 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023177.D
 Acq: 20 Aug 2025 15:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 3-FLOOR-NORTH-D



Tgt Ion: 75 Resp: 171846
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.4 38.1 57.1#

