

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
 Data File : VY023381.D
 Acq On : 25 Sep 2025 18:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 04:28:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

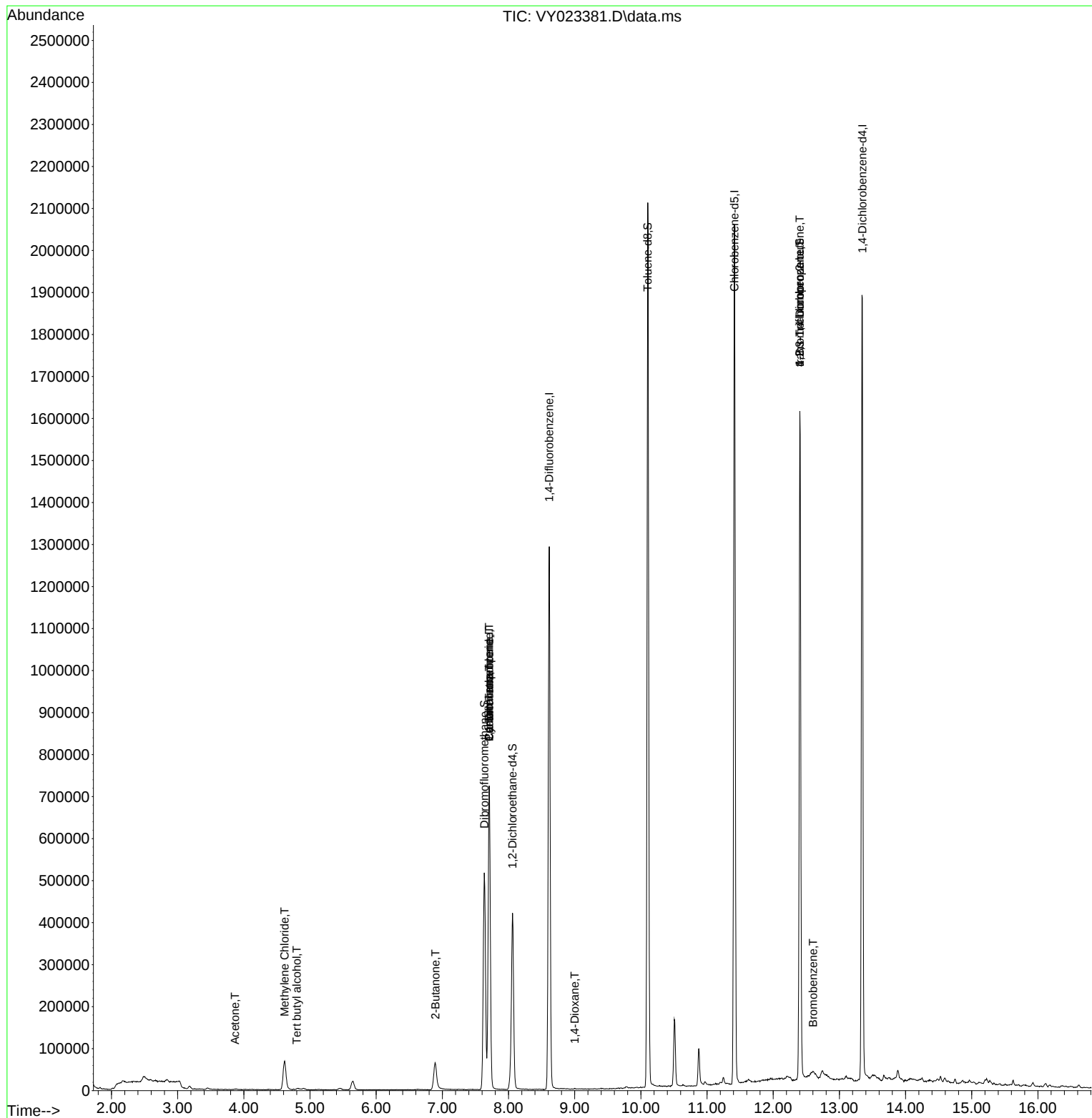
Internal Standards						
1) Pentafluorobenzene	7.707	168	599453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1153987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1137518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	518886	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	307339	58.346	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.700%	
35) Dibromofluoromethane	7.634	113	370220	52.484	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.960%	
50) Toluene-d8	10.103	98	1398164	52.492	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.980%	
62) 4-Bromofluorobenzene	12.402	95	476363	56.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.799	59	1103	3.624	ug/l #	71
16) Acetone	3.866	43	2490	2.075	ug/l #	84
20) Methylene Chloride	4.616	84	54593	8.504	ug/l	97
25) 2-Butanone	6.896	43	3388	2.294	ug/l #	68
31) Cyclohexane	7.707	56	10023	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	41882	4.169	ug/l #	50
38) Carbon Tetrachloride	7.707	117	55350	4.788	ug/l #	16
49) 1,4-Dioxane	9.000	88	78	1.789	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	236688	45.043	ug/l #	100
77) Bromobenzene	12.603	156	12975	1.453	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.402	75	236688	122.837	ug/l #	14

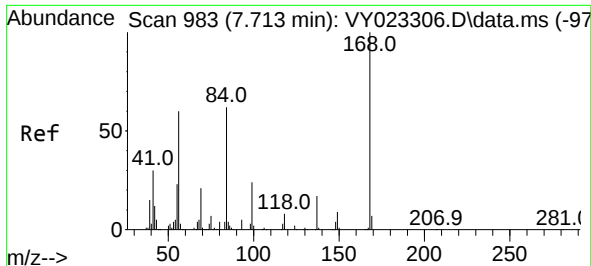
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092525\
Data File : VY023381.D
Acq On : 25 Sep 2025 18:03
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 26 04:28:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

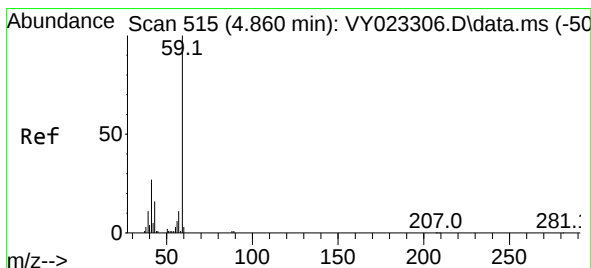
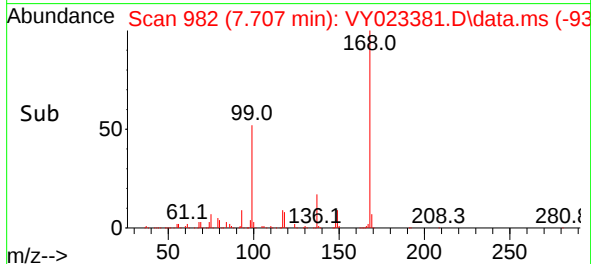
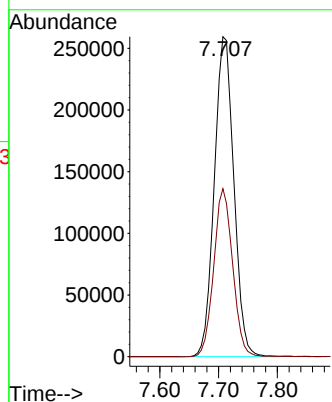
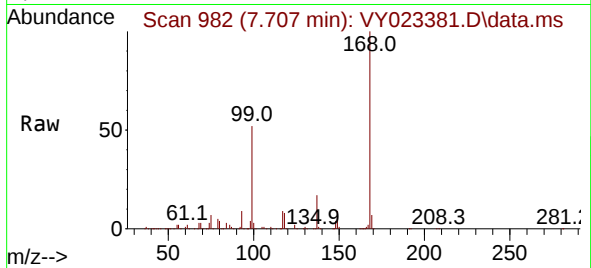




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

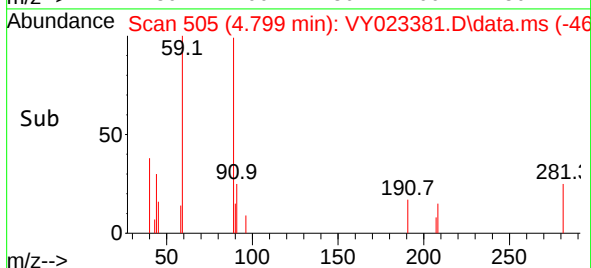
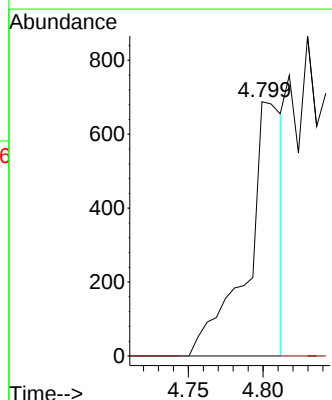
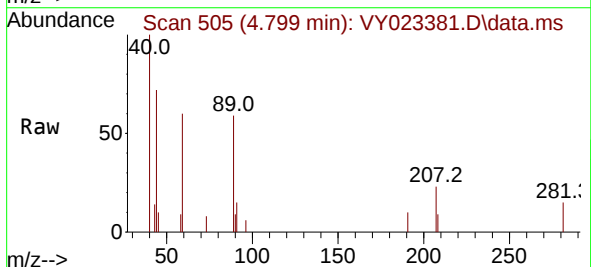
Instrument :
MSVOA_Y
ClientSampleId :

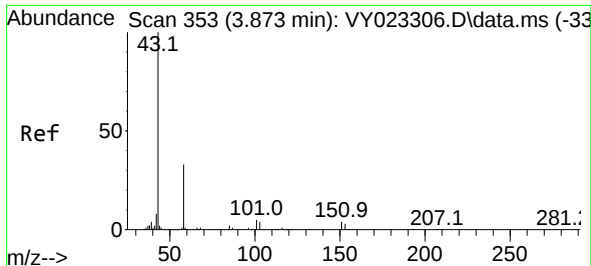
Tgt Ion:168 Resp: 599453
Ion Ratio Lower Upper
168 100
99 52.5 42.8 64.2



#11
Tert butyl alcohol
Concen: 3.624 ug/l
RT: 4.799 min Scan# 505
Delta R.T. -0.061 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

Tgt Ion: 59 Resp: 1103
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#

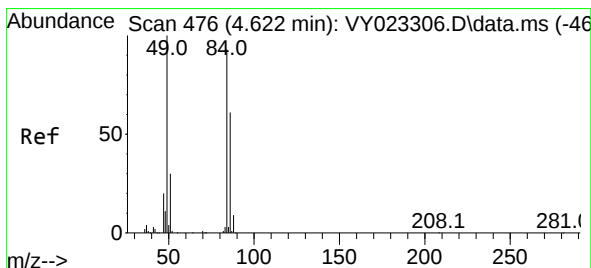
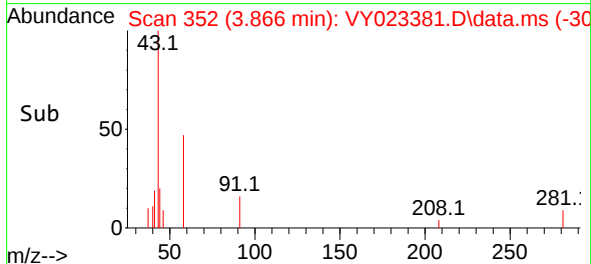
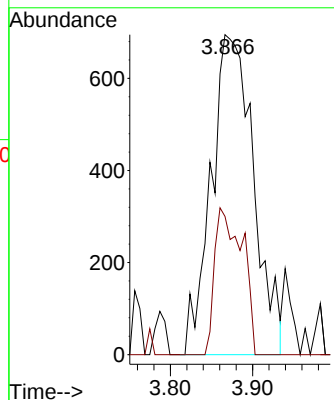
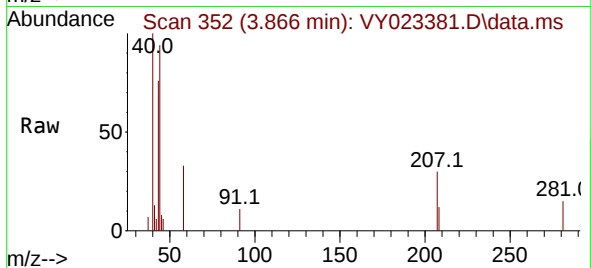




#16
Acetone
Concen: 2.075 ug/l
RT: 3.866 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

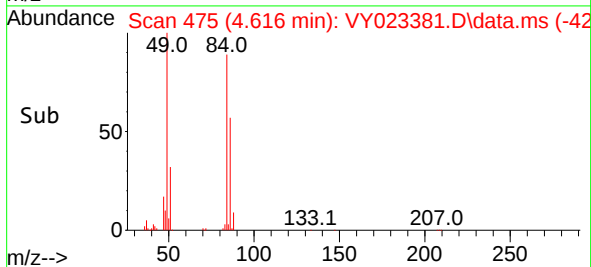
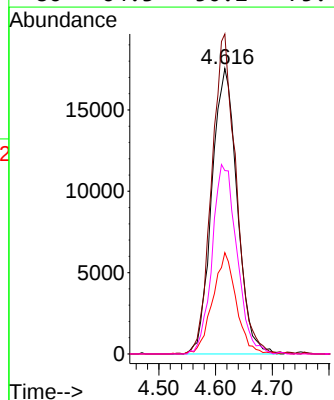
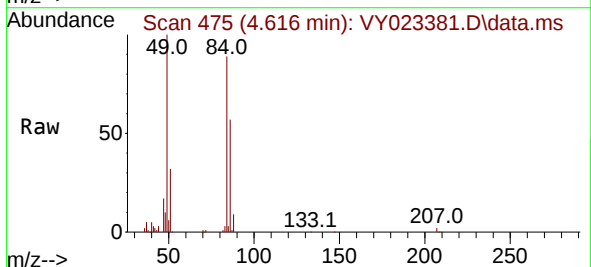
Instrument :
MSVOA_Y
ClientSampleId :

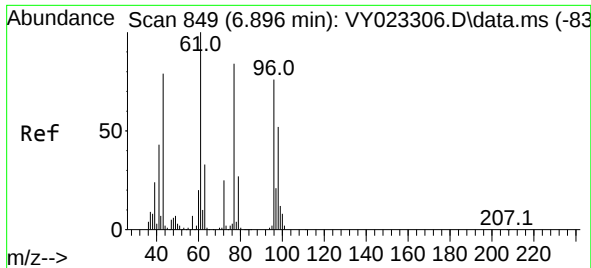
Tgt Ion: 43 Resp: 2490
Ion Ratio Lower Upper
43 100
58 43.2 27.1 40.7#



#20
Methylene Chloride
Concen: 8.504 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

Tgt Ion: 84 Resp: 54593
Ion Ratio Lower Upper
84 100
49 111.8 93.0 139.6
51 35.5 29.0 43.4
86 64.3 50.2 75.4

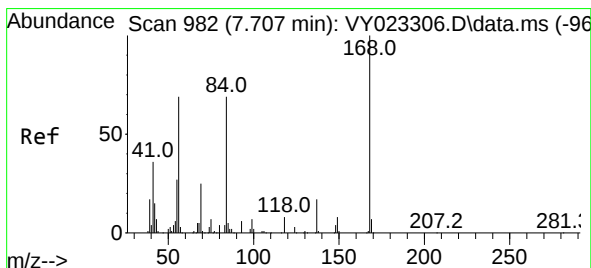
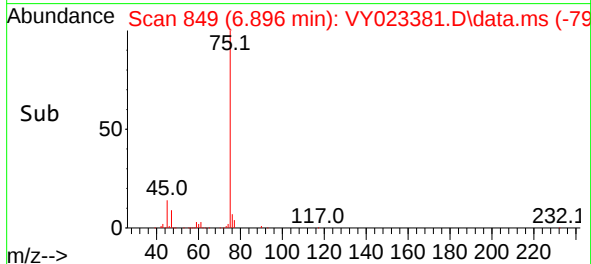
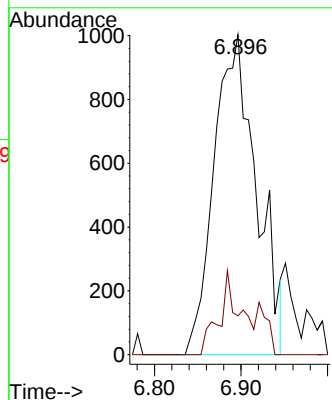
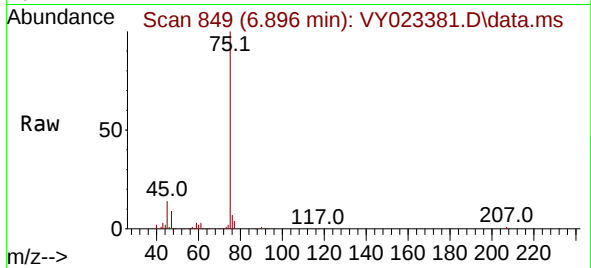




#25
2-Butanone
Concen: 2.294 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

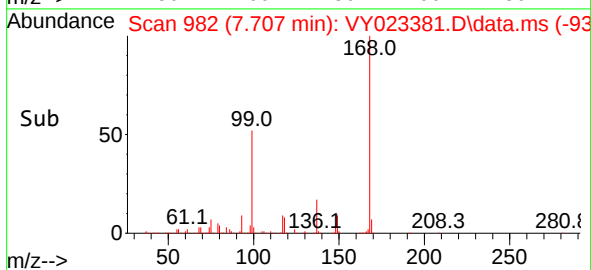
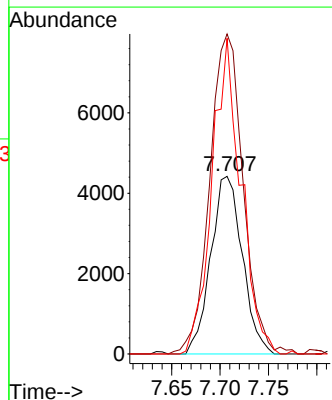
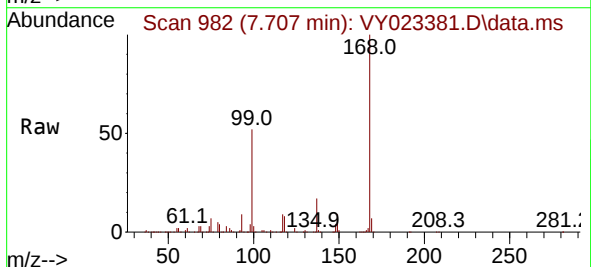
Instrument :
MSVOA_Y
ClientSampleId :

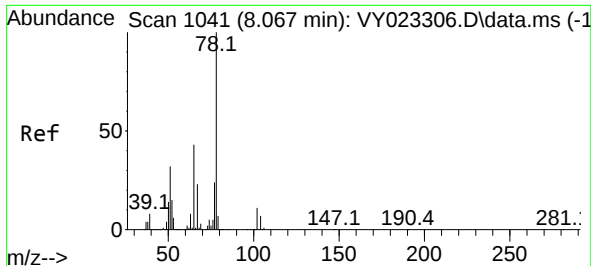
Tgt Ion: 43 Resp: 3388
Ion Ratio Lower Upper
43 100
72 12.2 23.5 35.3#



#31
Cyclohexane
Concen: 1.087 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

Tgt Ion: 56 Resp: 10023
Ion Ratio Lower Upper
56 100
69 177.9 28.2 42.2#
84 177.7 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 58.346 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

Instrument :

MSVOA_Y

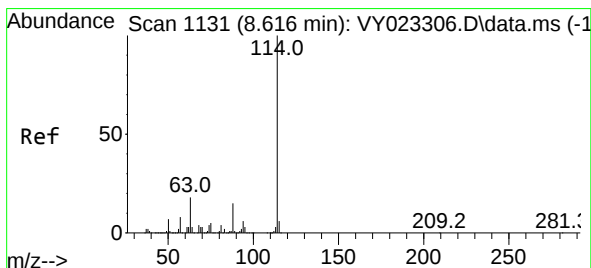
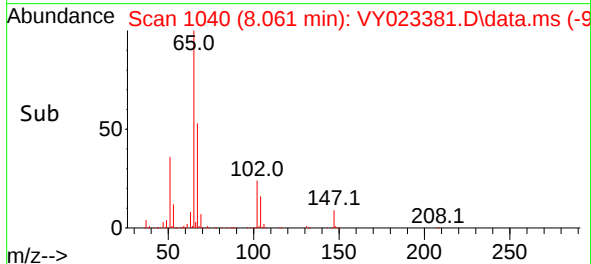
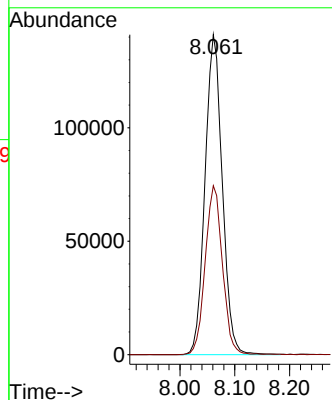
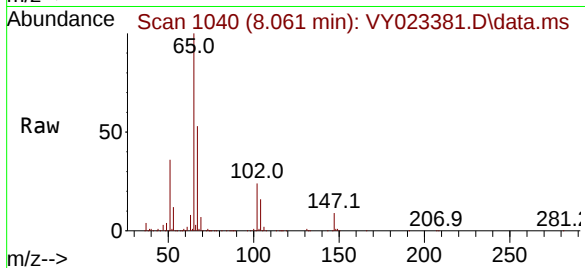
ClientSampleId :

Tgt Ion: 65 Resp: 307339

Ion Ratio Lower Upper

65 100

67 52.8 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: VY023381.D

Acq: 25 Sep 2025 18:03

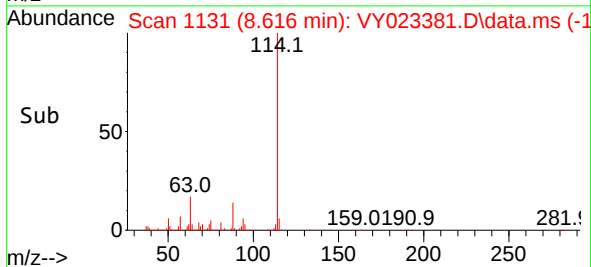
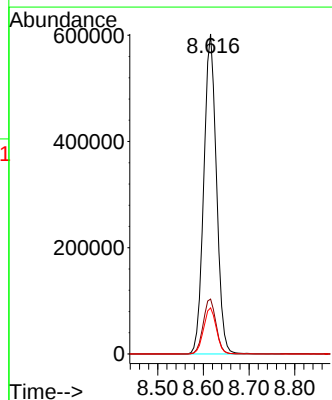
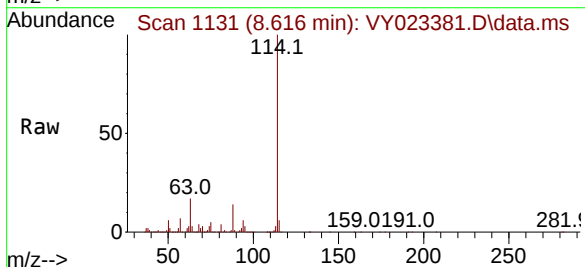
Tgt Ion: 114 Resp: 1153987

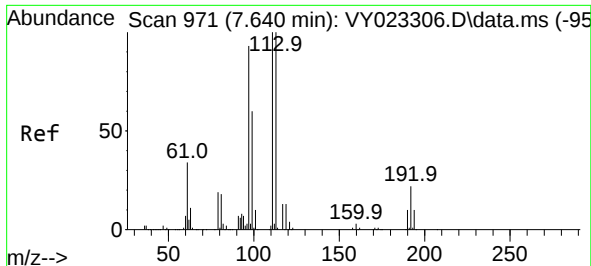
Ion Ratio Lower Upper

114 100

63 17.2 0.0 38.4

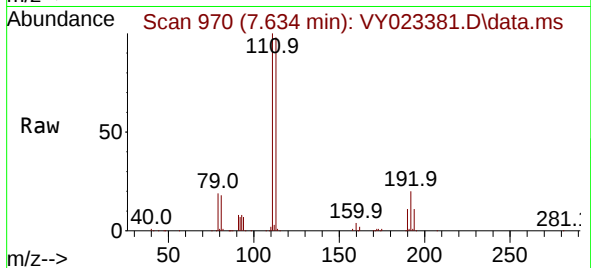
88 14.4 0.0 30.0



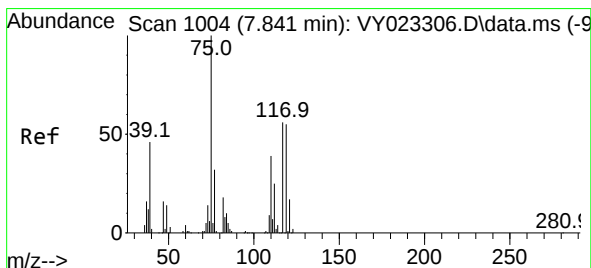
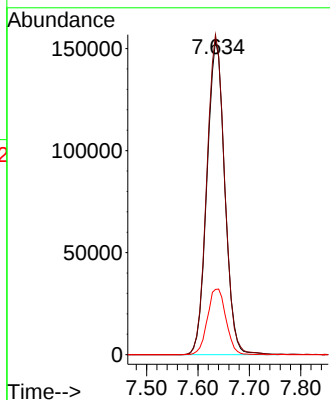
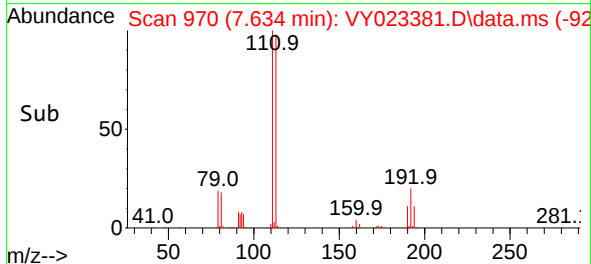


#35
Dibromofluoromethane
Concen: 52.484 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

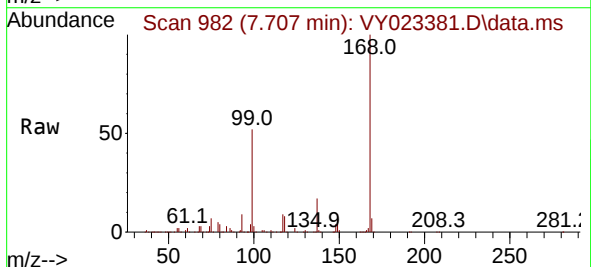
Instrument :
MSVOA_Y
ClientSampleId :



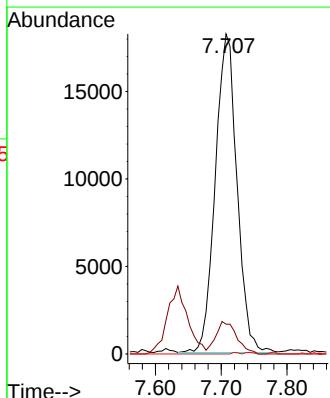
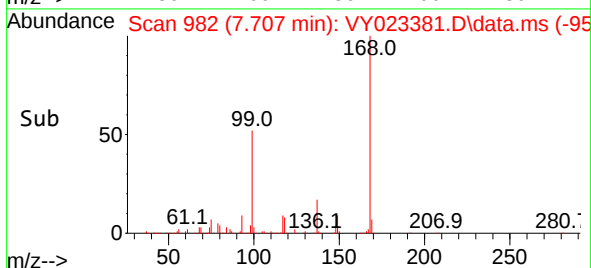
Tgt Ion:113 Resp: 370220
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 21.7 16.2 24.4

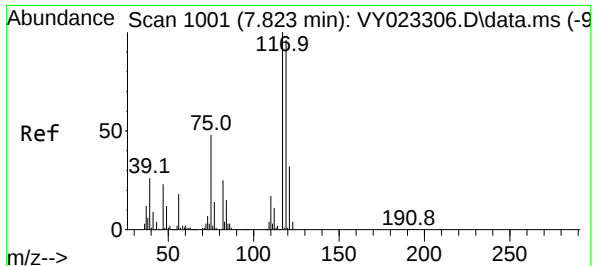


#36
1,1-Dichloropropene
Concen: 4.169 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03



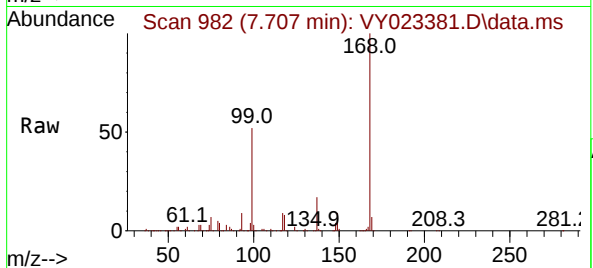
Tgt Ion: 75 Resp: 41882
Ion Ratio Lower Upper
75 100
110 9.8 18.1 54.4#
77 0.1 24.6 37.0#



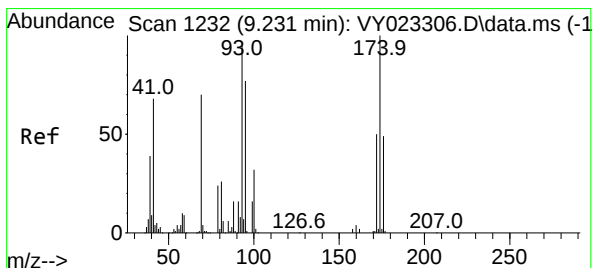
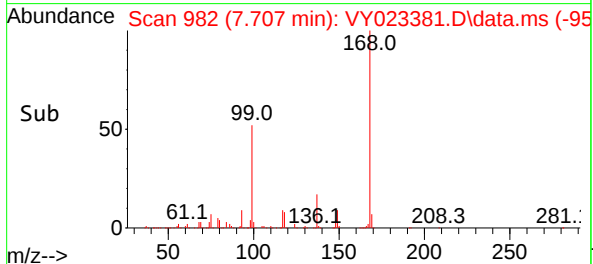
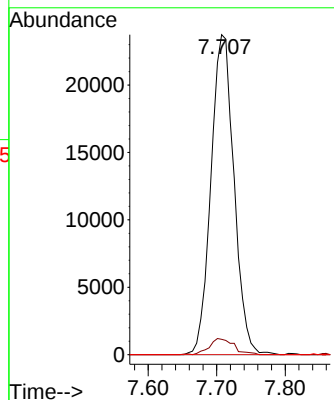


#38
Carbon Tetrachloride
Concen: 4.788 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

Instrument :
MSVOA_Y
ClientSampleId :

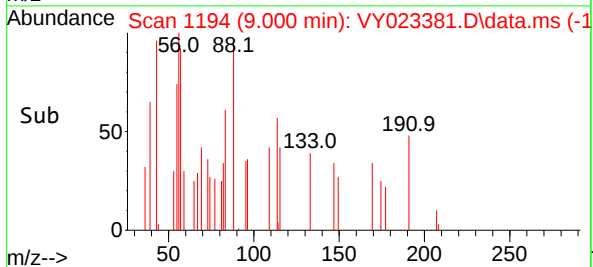
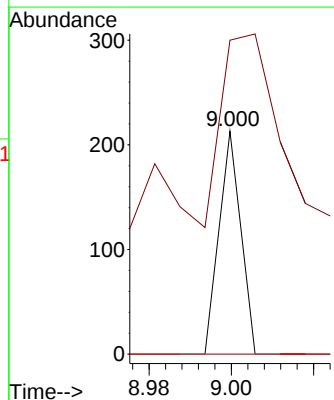
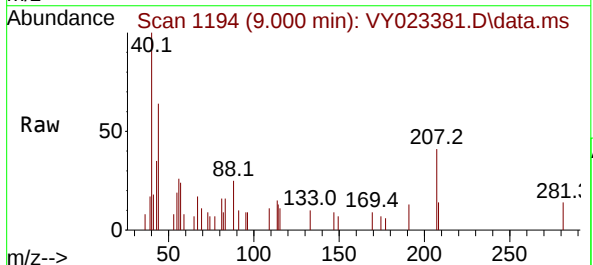


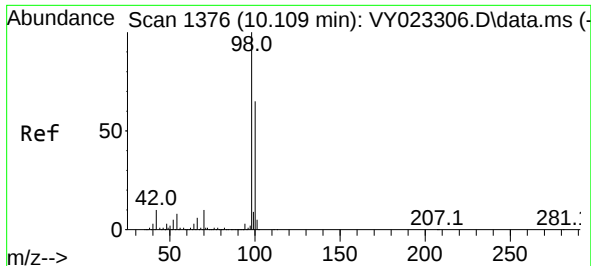
Tgt Ion: 117 Resp: 55350
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 1.789 ug/l
RT: 9.000 min Scan# 1194
Delta R.T. -0.225 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

Tgt Ion: 88 Resp: 78
Ion Ratio Lower Upper
88 100
43 816.7 24.3 36.5#
58 0.0 55.4 83.0#

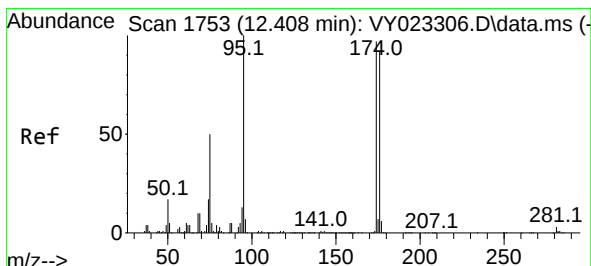
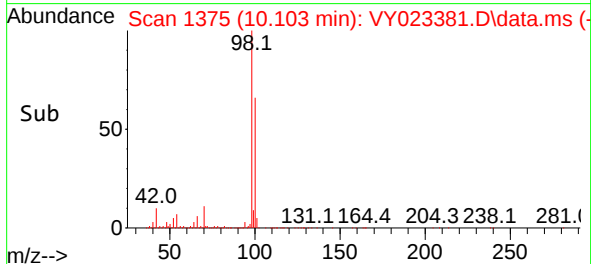
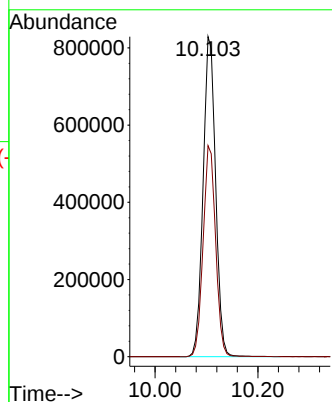
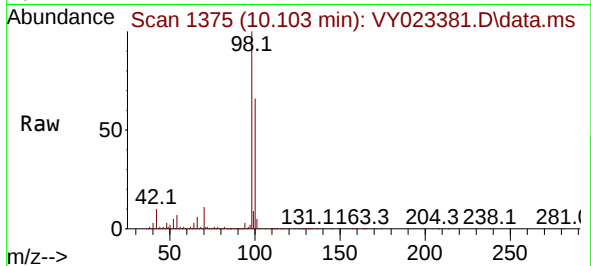




#50
Toluene-d8
Concen: 52.492 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

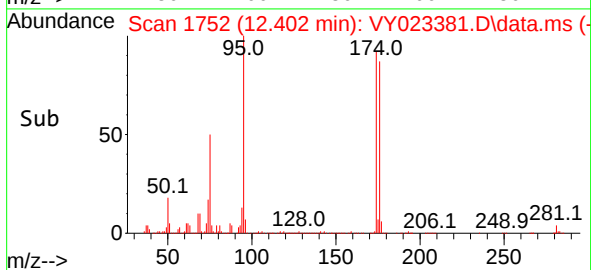
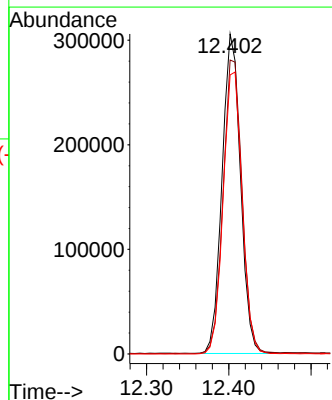
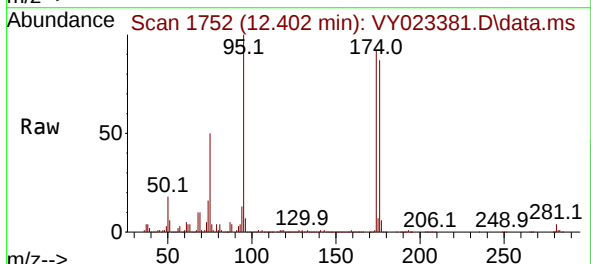
Instrument :
MSVOA_Y
ClientSampleId :

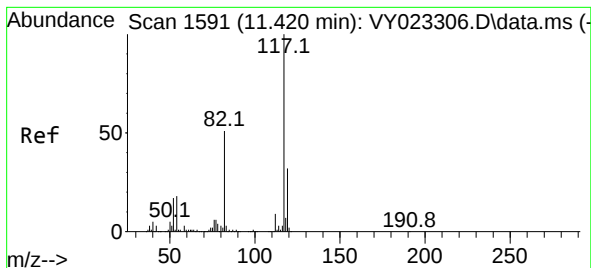
Tgt Ion: 98 Resp: 1398164
Ion Ratio Lower Upper
98 100
100 65.8 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 56.830 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

Tgt Ion: 95 Resp: 476363
Ion Ratio Lower Upper
95 100
174 94.9 0.0 171.6
176 91.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

Instrument :

MSVOA_Y

ClientSampleId :

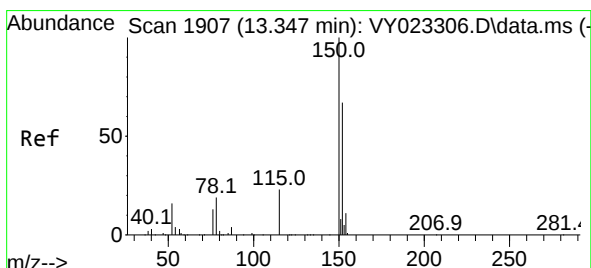
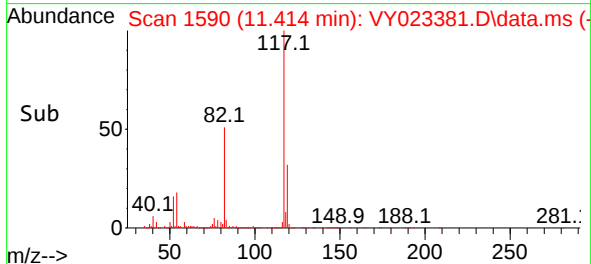
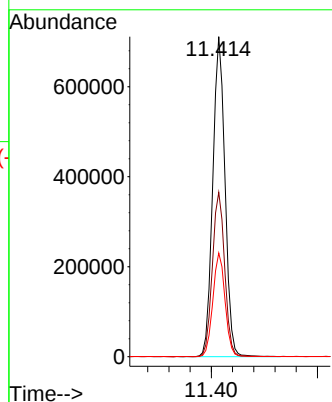
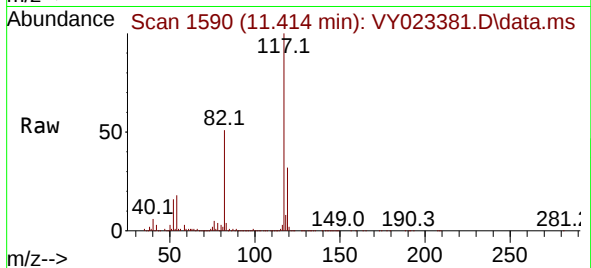
Tgt Ion:117 Resp: 1137518

Ion Ratio Lower Upper

117 100

82 51.3 43.4 65.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023381.D

Acq: 25 Sep 2025 18:03

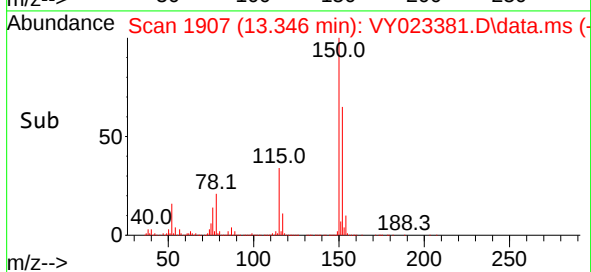
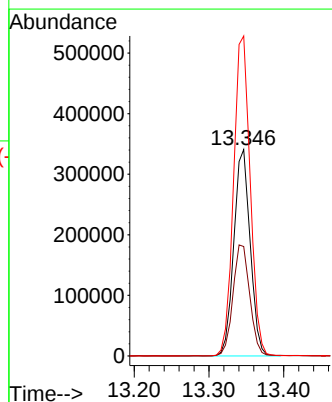
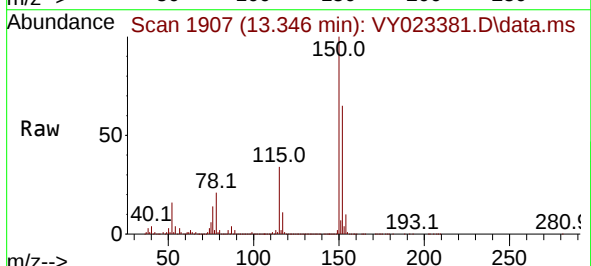
Tgt Ion:152 Resp: 518886

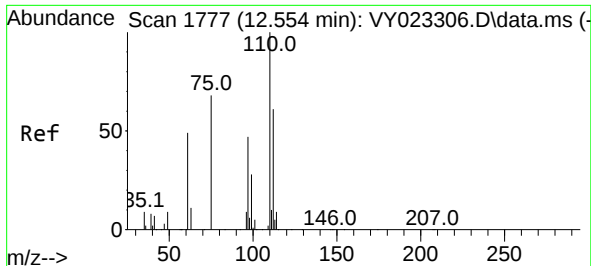
Ion Ratio Lower Upper

152 100

115 55.4 28.2 84.6

150 157.5 0.0 348.0

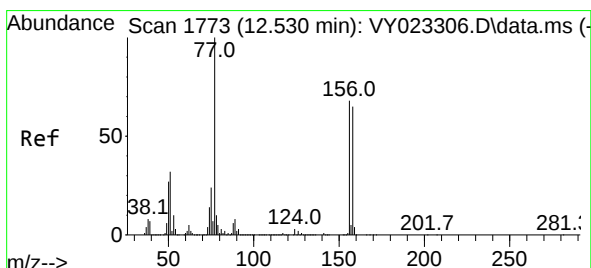
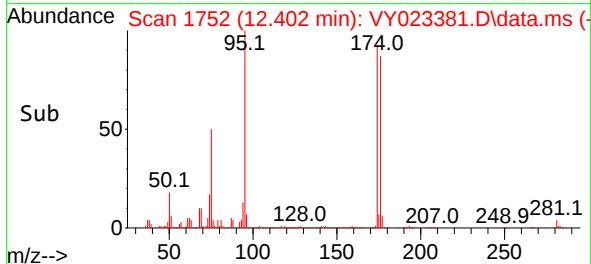
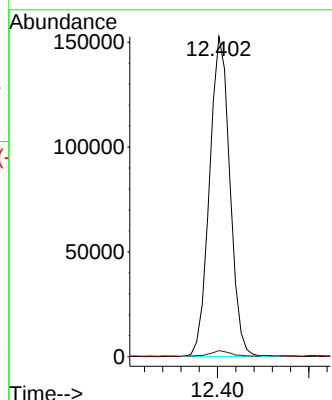
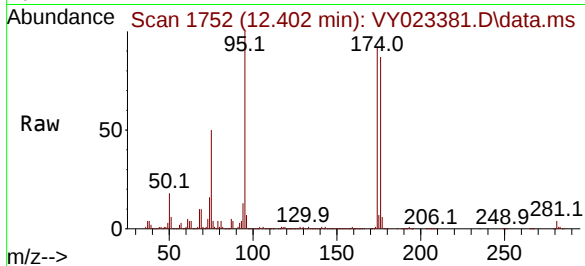




#76
1,2,3-Trichloropropane
Concen: 45.043 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.146 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

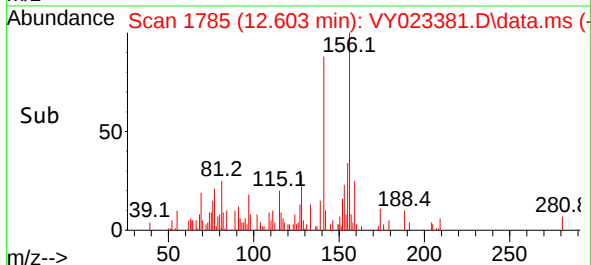
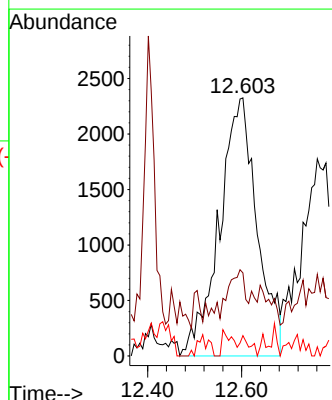
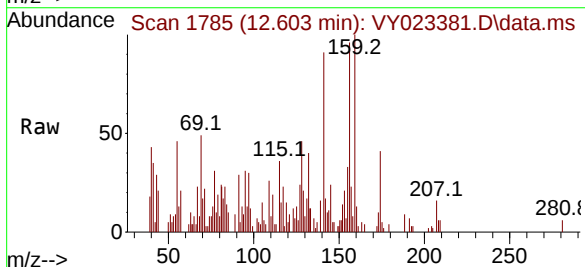
Instrument :
MSVOA_Y
ClientSampleId :

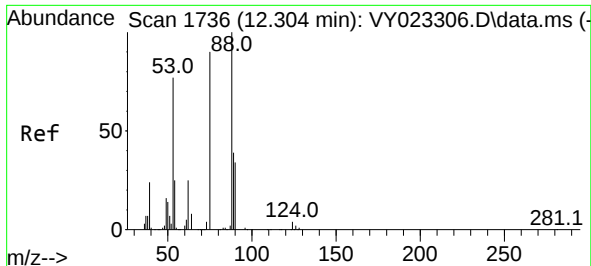
Tgt Ion: 75 Resp: 236688
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#77
Bromobenzene
Concen: 1.453 ug/l
RT: 12.603 min Scan# 1785
Delta R.T. 0.079 min
Lab File: VY023381.D
Acq: 25 Sep 2025 18:03

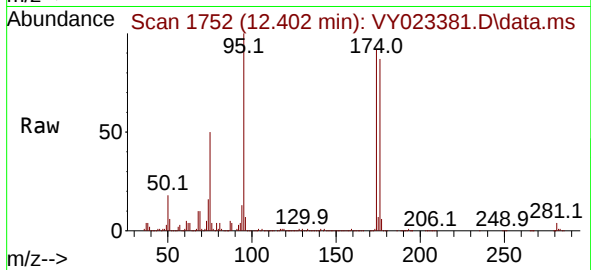
Tgt Ion: 156 Resp: 12975
Ion Ratio Lower Upper
156 100
77 8.1 88.1 264.4#
158 2.0 48.0 144.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.837 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023381.D
 Acq: 25 Sep 2025 18:03

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 236688
 Ion Ratio Lower Upper
 75 100
 53 0.3 70.8 106.2#
 89 0.1 38.1 57.1#

