

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110725\
 Data File : VY023710.D
 Acq On : 07 Nov 2025 15:53
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 08 03:28:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

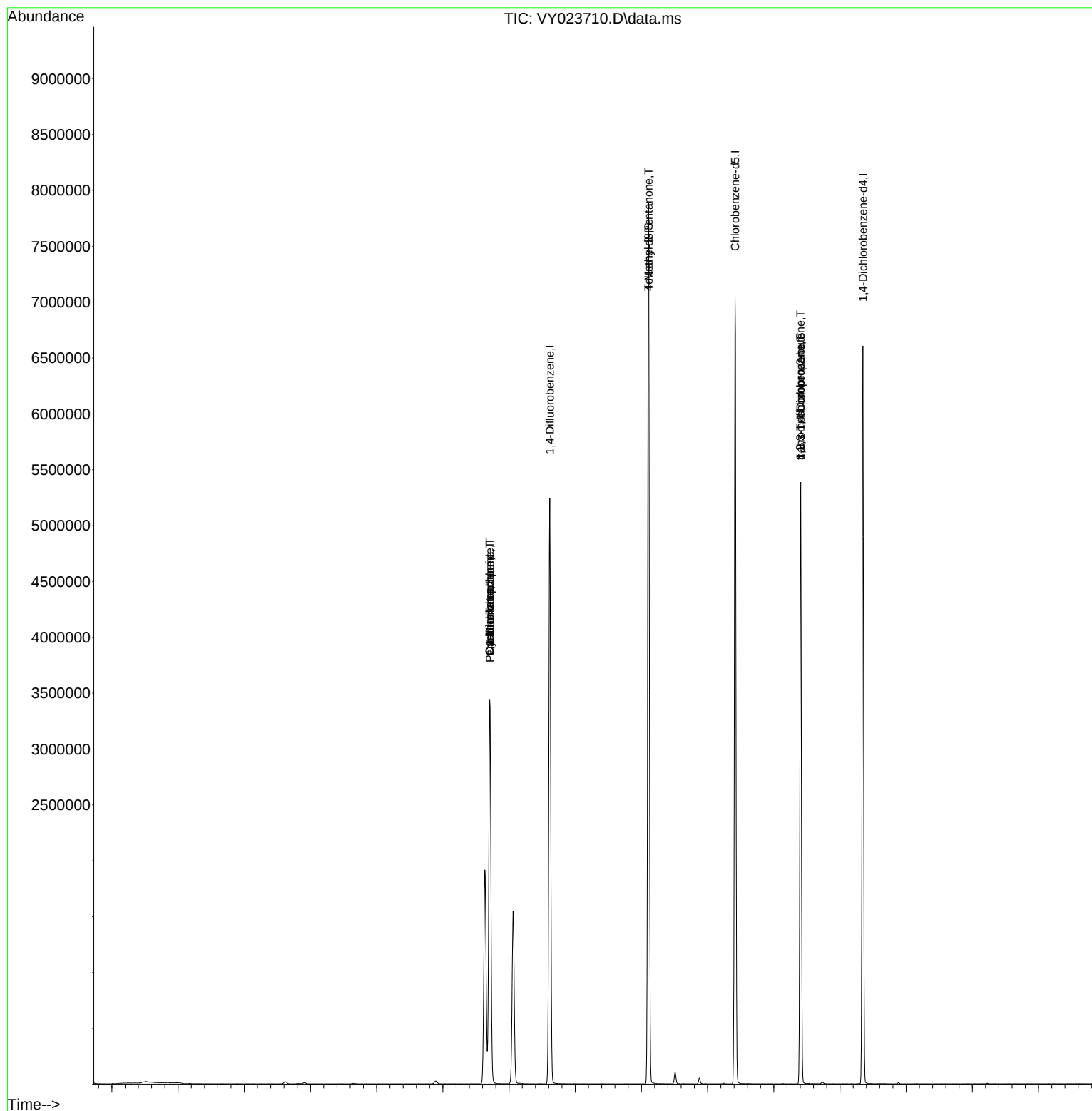
Internal Standards						
1) Pentafluorobenzene	7.713	168	2779035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	4632413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	3883115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	1695811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1204676	50.818	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.640%			
35) Dibromofluoromethane	7.634	113	1392040	48.085	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.180%			
50) Toluene-d8	10.109	98	5211057	48.323	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.640%			
62) 4-Bromofluorobenzene	12.402	95	1643259	47.120	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.240%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	3949	2.584	ug/l #	76
31) Cyclohexane	7.707	56	48833	1.250	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	192904	4.987	ug/l #	47
38) Carbon Tetrachloride	7.707	117	264361	5.800	ug/l #	16
51) 4-Methyl-2-Pentanone	10.109	43	19020	1.271	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	806487	58.763	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	806487	132.801	ug/l #	14
95) Naphthalene	15.145	128	1161	5.283	ug/l #	81

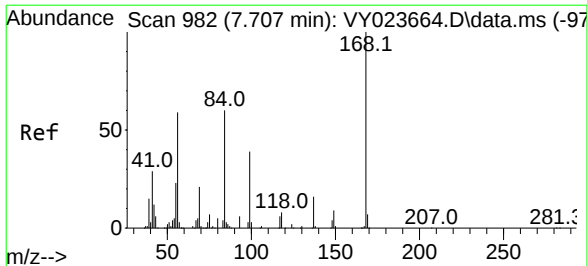
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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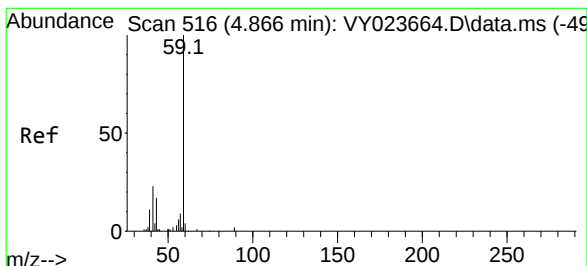
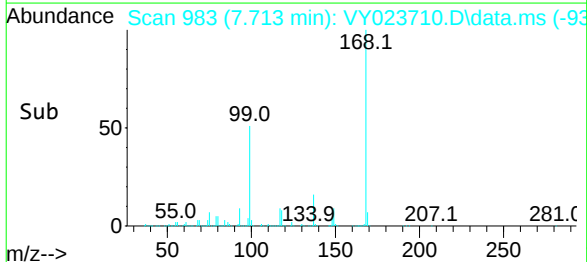
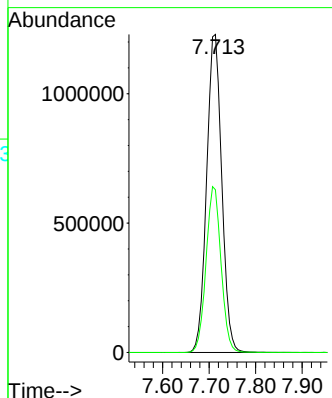
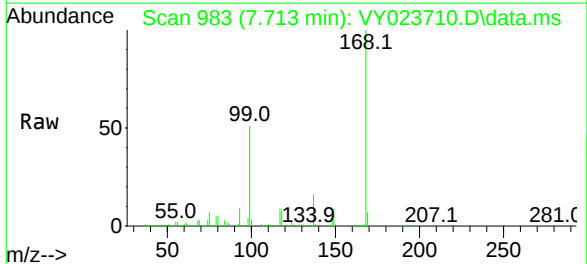




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

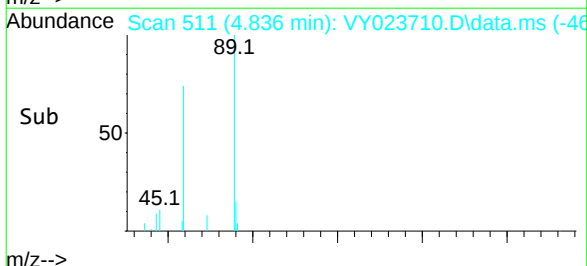
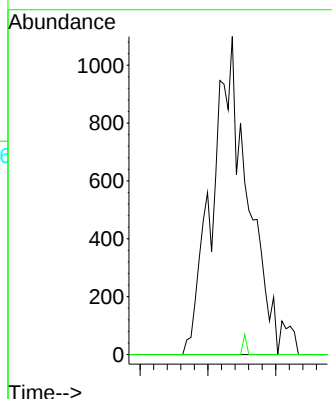
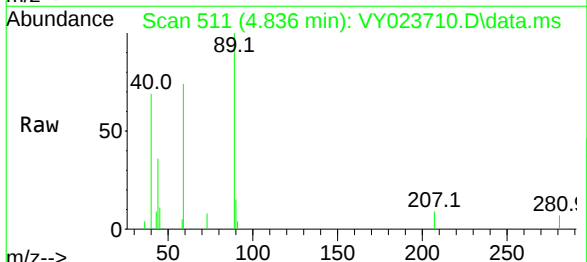
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

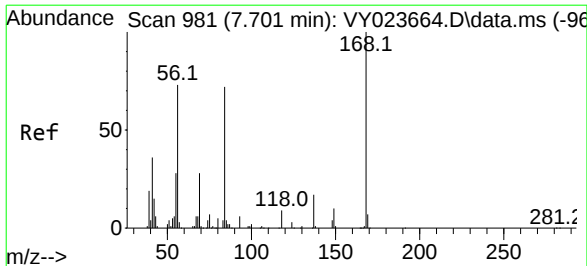
Tgt Ion:168 Resp: 2779035
Ion Ratio Lower Upper
168 100
99 51.2 41.0 61.4



#11
Tert butyl alcohol
Concen: 2.584 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

Tgt Ion: 59 Resp: 3949
Ion Ratio Lower Upper
59 100
57 0.6 7.4 11.2#





#31

Cyclohexane

Concen: 1.250 ug/l

RT: 7.707 min Scan# 981

Delta R.T. 0.006 min

Lab File: VY023710.D

Acq: 07 Nov 2025 15:53

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

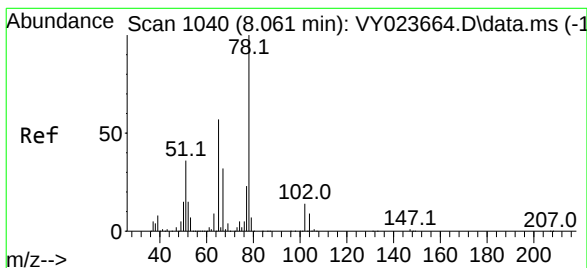
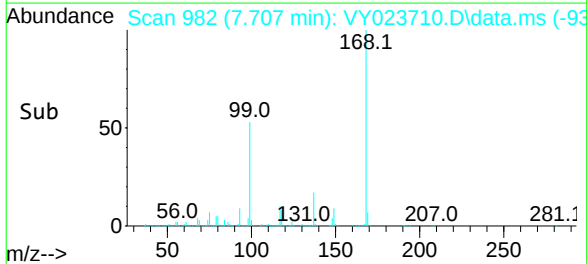
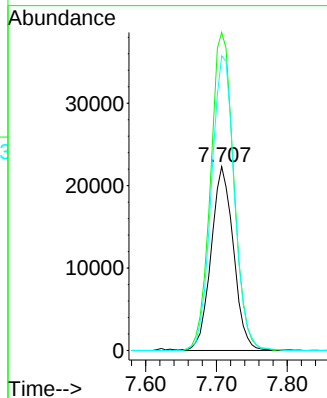
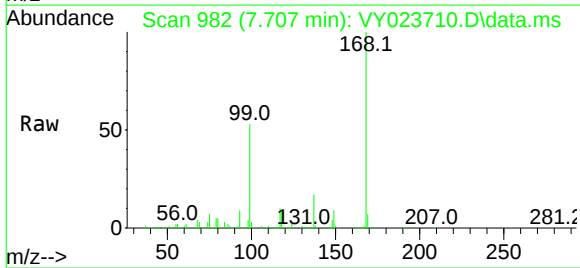
Tgt Ion: 56 Resp: 48833

Ion Ratio Lower Upper

56 100

69 173.0 30.5 45.7#

84 160.2 79.0 118.4#



#33

1,2-Dichloroethane-d4

Concen: 50.818 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023710.D

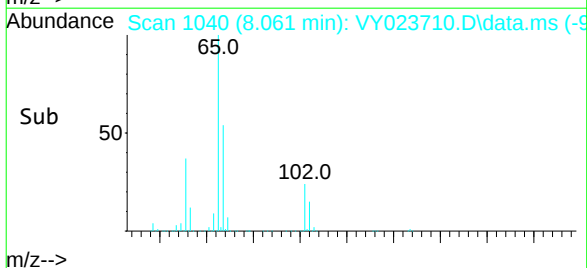
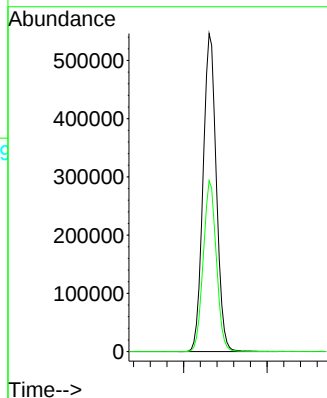
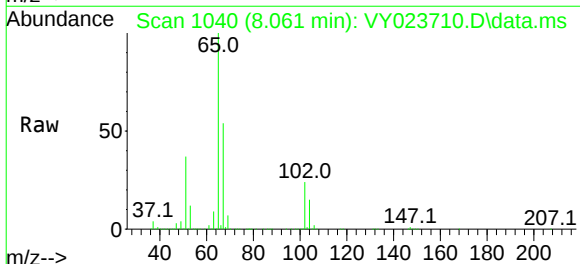
Acq: 07 Nov 2025 15:53

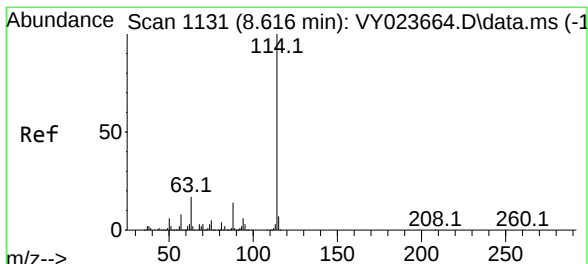
Tgt Ion: 65 Resp: 1204676

Ion Ratio Lower Upper

65 100

67 53.1 0.0 107.4



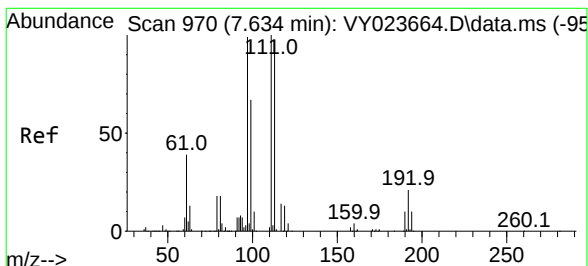
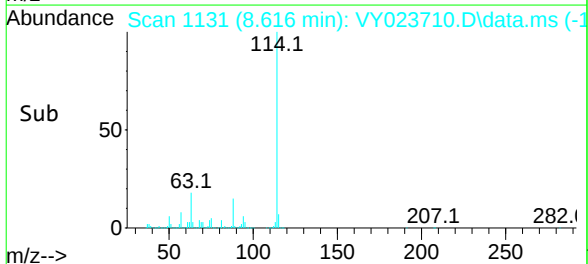
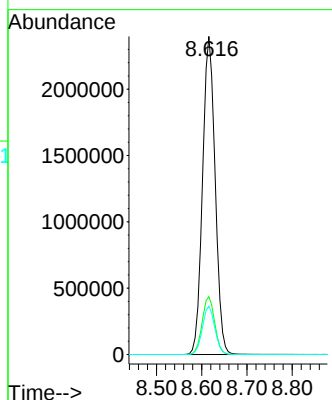
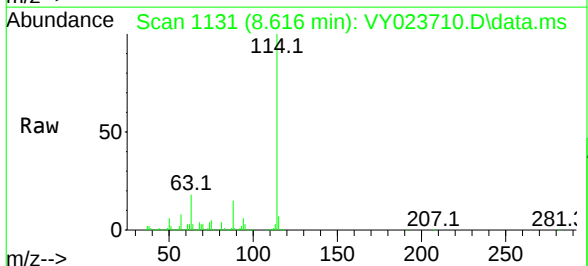


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023710.D
 Acq: 07 Nov 2025 15:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion:114 Resp: 4632413

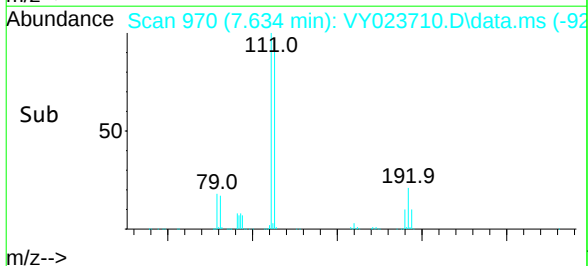
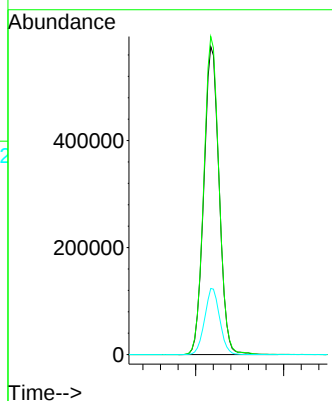
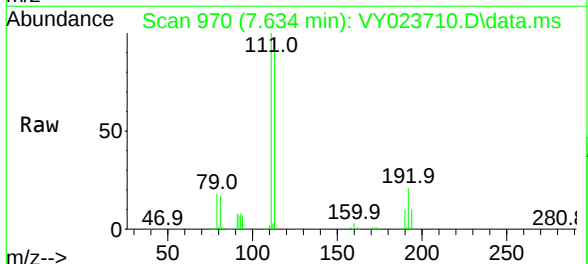
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	33.8
88	15.2	0.0	29.0

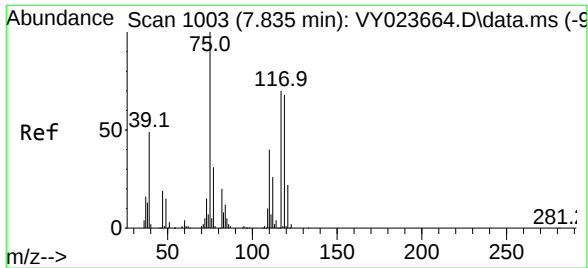


#35
 Dibromofluoromethane
 Concen: 48.085 ug/l
 RT: 7.634 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: VY023710.D
 Acq: 07 Nov 2025 15:53

Tgt Ion:113 Resp: 1392040

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.1	17.3	25.9

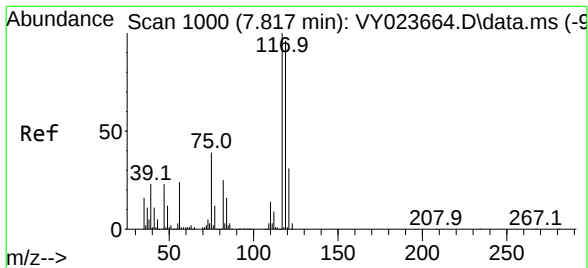
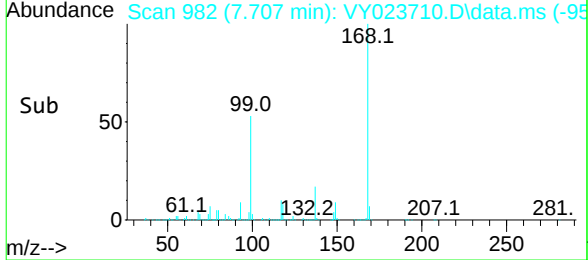
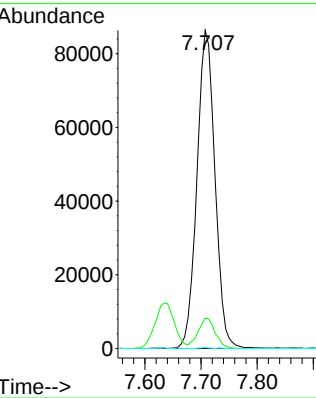
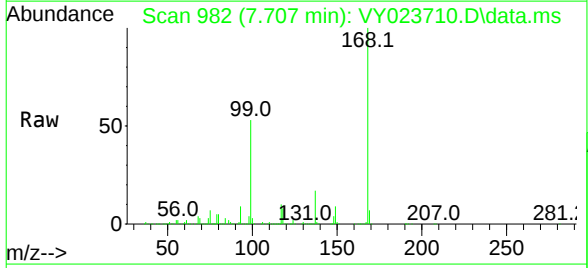




#36
1,1-Dichloropropene
Concen: 4.987 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

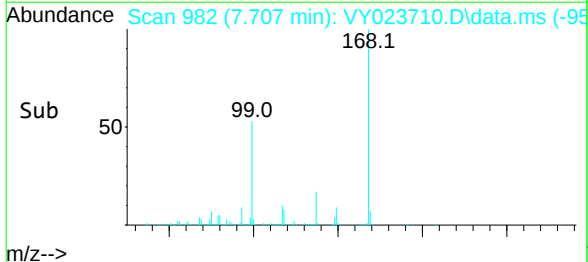
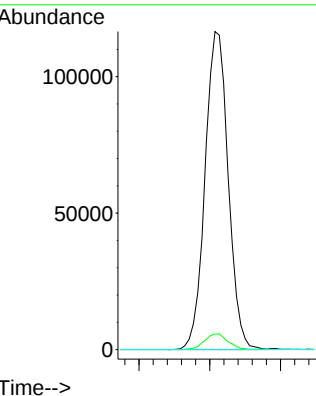
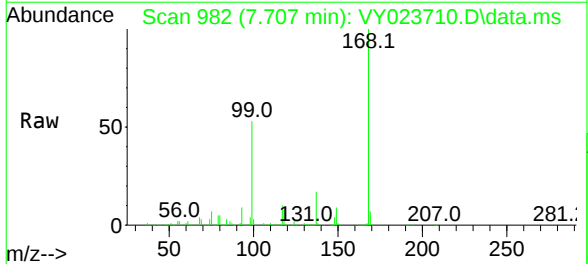
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

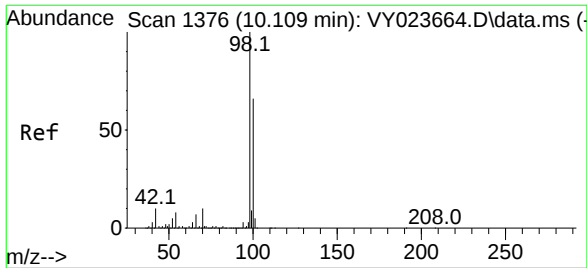
Tgt Ion:	75	Resp:	192904
Ion	Ratio	Lower	Upper
75	100		
110	9.1	19.7	59.0#
77	0.1	25.2	37.8#



#38
Carbon Tetrachloride
Concen: 5.800 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

Tgt Ion:	117	Resp:	264361
Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.3	114.5#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 48.323 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY023710.D

Acq: 07 Nov 2025 15:53

Instrument :

MSVOA_Y

ClientSampleId :

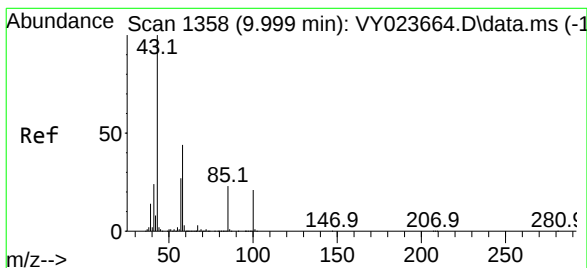
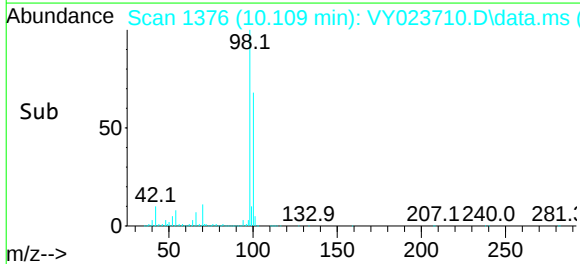
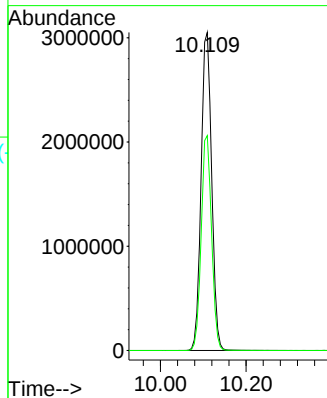
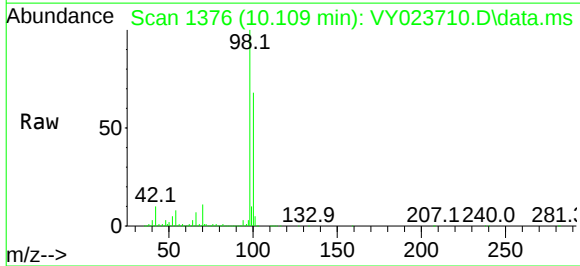
VIBLK

Tgt Ion: 98 Resp: 5211057

Ion Ratio Lower Upper

98 100

100 66.4 52.7 79.1



#51

4-Methyl-2-Pentanone

Concen: 1.271 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.110 min

Lab File: VY023710.D

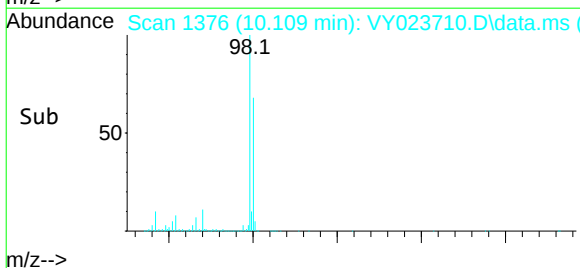
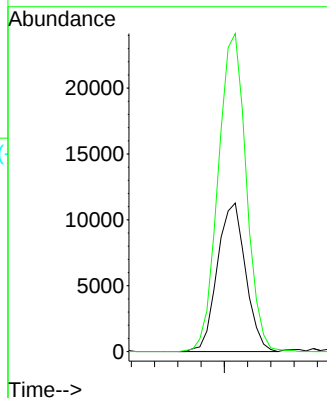
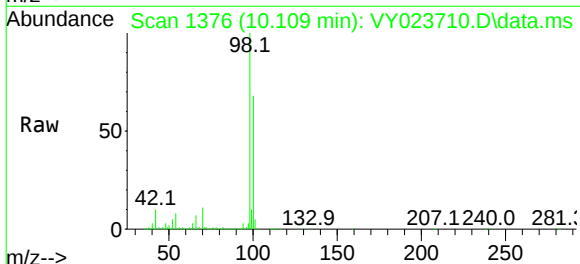
Acq: 07 Nov 2025 15:53

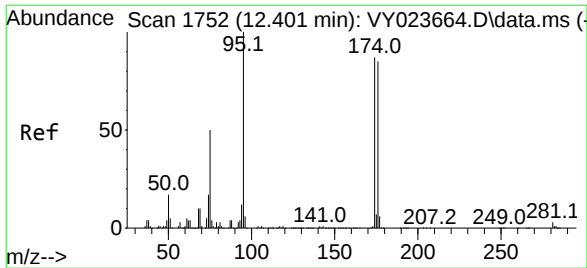
Tgt Ion: 43 Resp: 19020

Ion Ratio Lower Upper

43 100

58 212.9 34.8 52.2#





#62

4-Bromofluorobenzene

Concen: 47.120 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023710.D

Acq: 07 Nov 2025 15:53

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

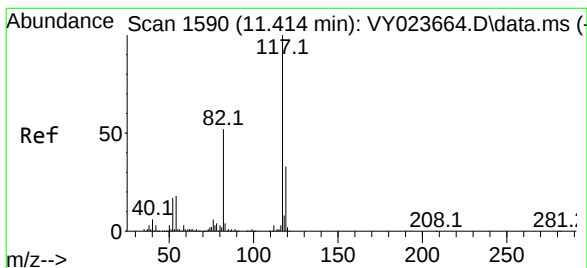
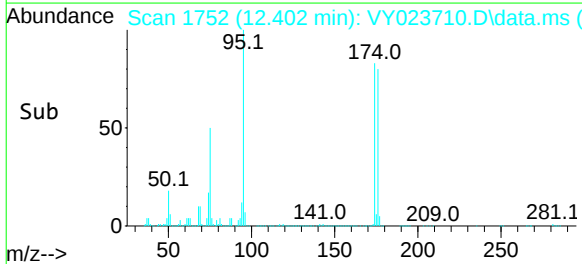
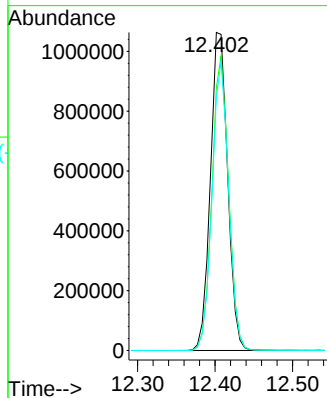
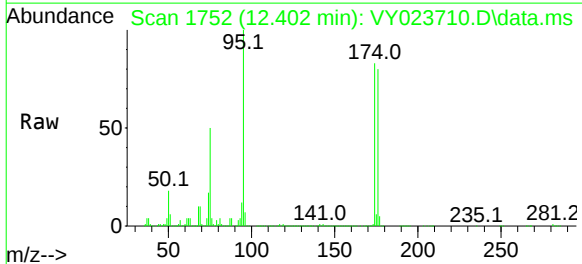
Tgt Ion: 95 Resp: 1643259

Ion Ratio Lower Upper

95 100

174 89.9 0.0 184.8

176 87.1 0.0 181.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY023710.D

Acq: 07 Nov 2025 15:53

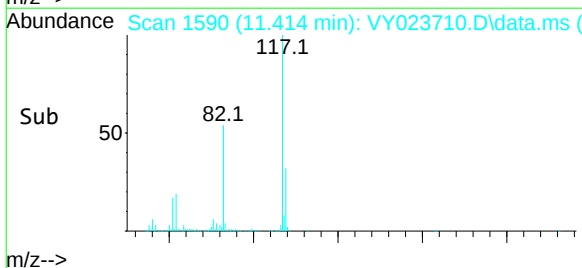
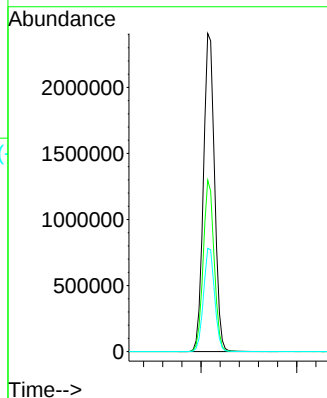
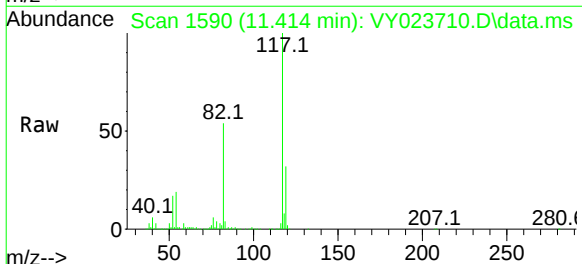
Tgt Ion: 117 Resp: 3883115

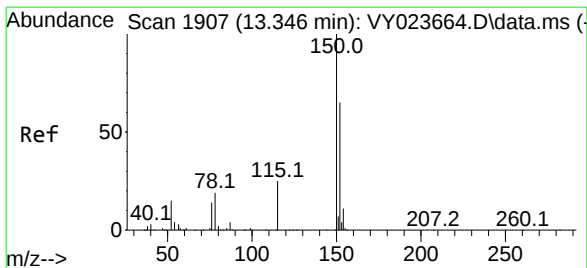
Ion Ratio Lower Upper

117 100

82 53.9 41.2 61.8

119 32.5 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 19

Delta R.T. 0.000 min

Lab File: VY023710.D

Acq: 07 Nov 2025 15:53

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

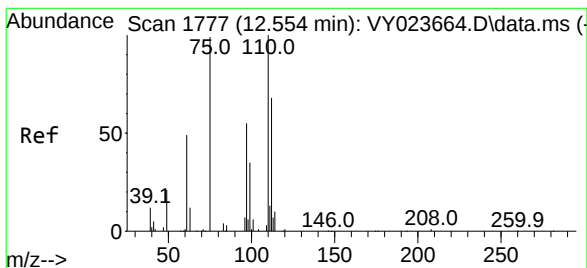
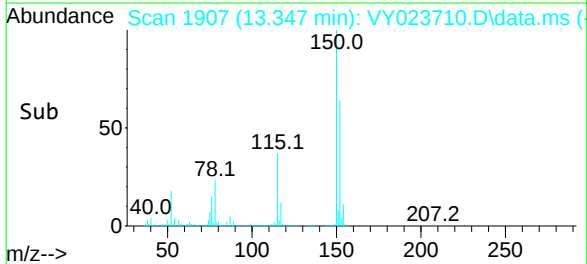
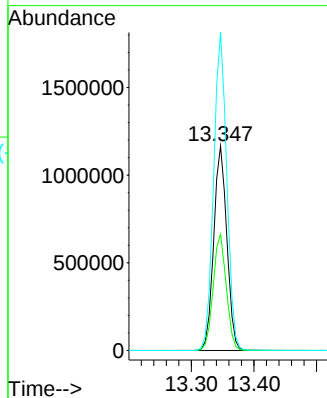
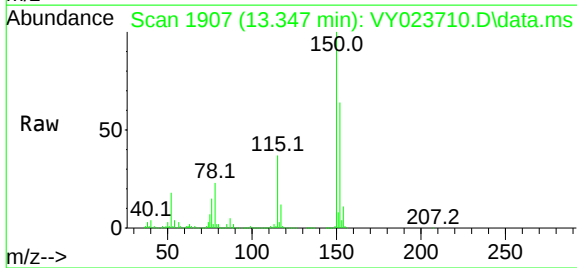
Tgt Ion:152 Resp: 1695811

Ion Ratio Lower Upper

152 100

115 56.9 27.5 82.5

150 155.6 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 58.763 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023710.D

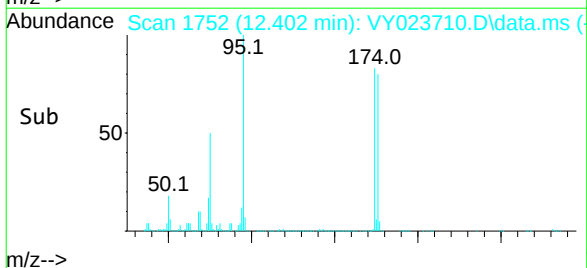
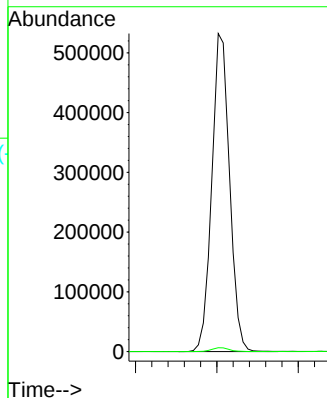
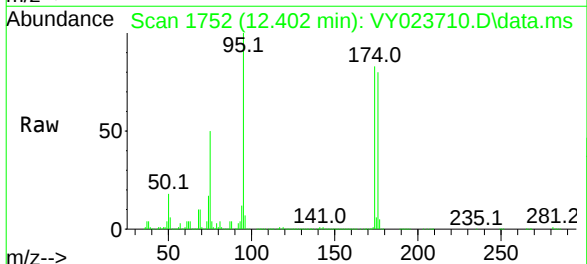
Acq: 07 Nov 2025 15:53

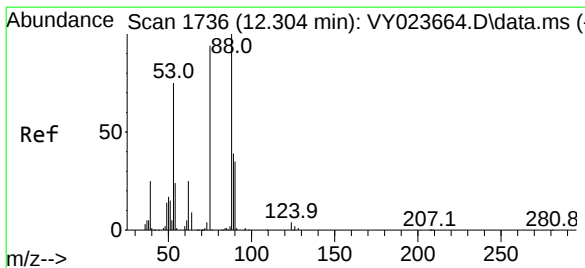
Tgt Ion: 75 Resp: 806487

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

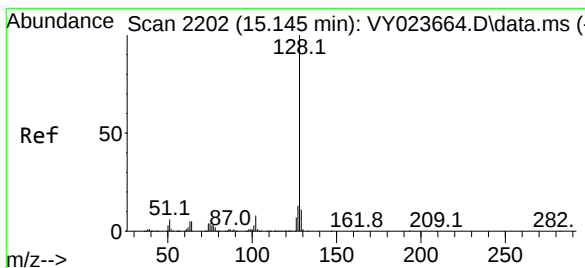
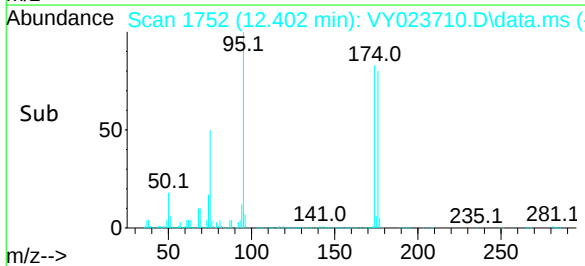
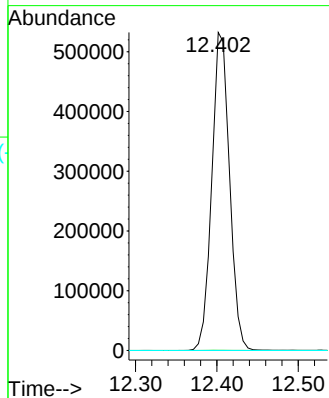
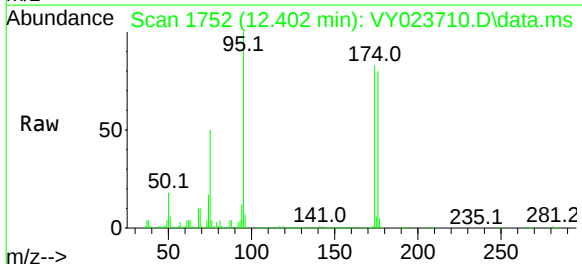




#81
trans-1,4-Dichloro-2-butene
Concen: 132.801 ug/l
RT: 12.402 min Scan# 1736
Delta R.T. 0.098 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 806487
Ion Ratio Lower Upper
75 100
53 0.1 69.6 104.4#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.283 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023710.D
Acq: 07 Nov 2025 15:53

Tgt Ion: 128 Resp: 1161
Ion Ratio Lower Upper
128 100
127 1.9 10.5 15.7#
129 8.2 8.8 13.2#

