

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022709.D
 Acq On : 16 Jun 2025 16:09
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jun 17 05:55:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

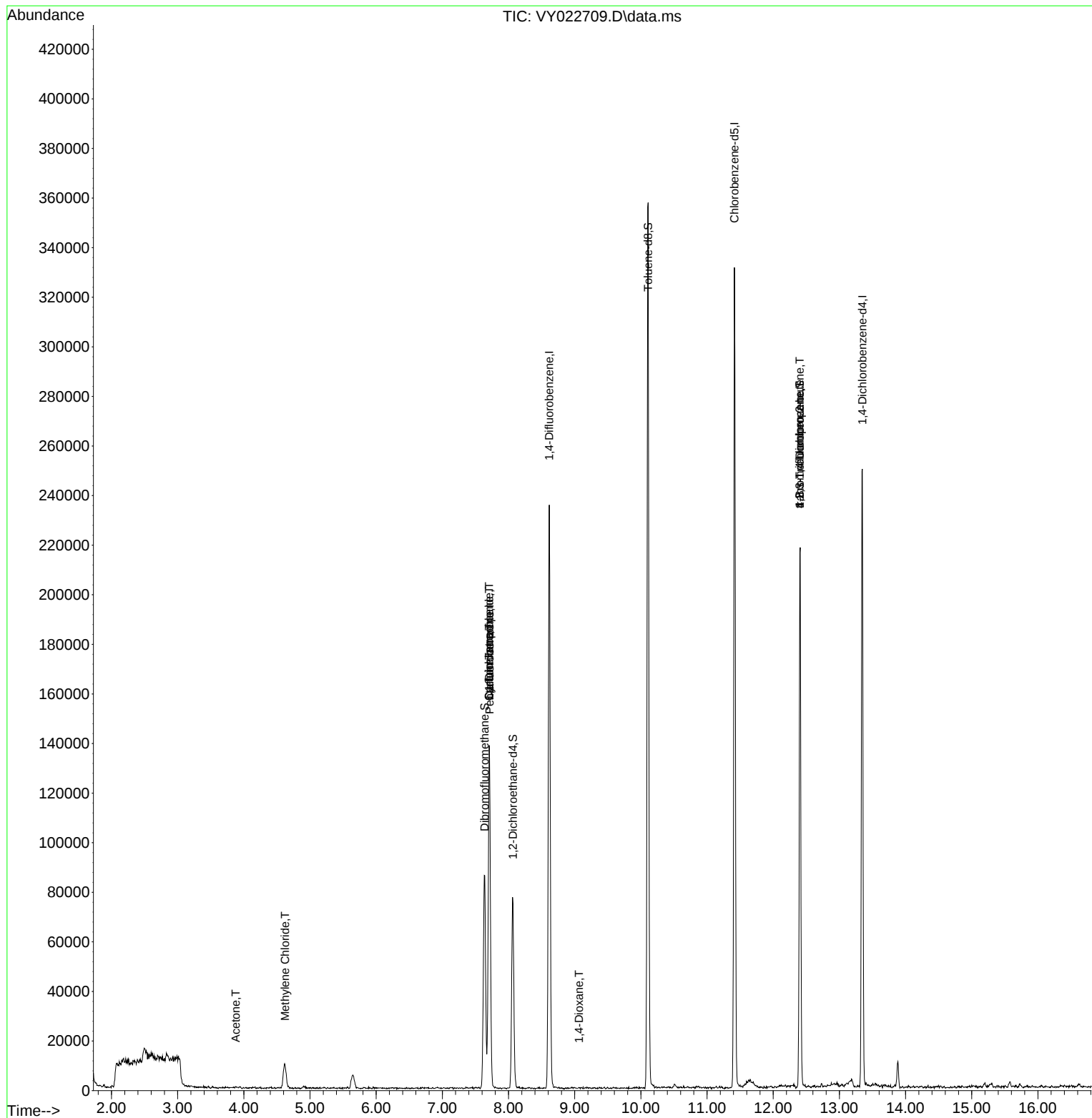
Internal Standards						
1) Pentafluorobenzene	7.713	168	100812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	190040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	160406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	61190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	59424	52.703	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.400%			
35) Dibromofluoromethane	7.640	113	59291	52.271	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.540%			
50) Toluene-d8	10.109	98	229118	49.989	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.402	95	58613	42.921	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.840%			
Target Compounds					Qvalue	
16) Acetone	3.879	43	327	1.428	ug/l #	45
20) Methylene Chloride	4.622	84	7196	5.532	ug/l #	84
31) Cyclohexane	7.707	56	3125	1.442	ug/l #	34
36) 1,1-Dichloropropene	7.707	75	9020	4.900	ug/l #	50
38) Carbon Tetrachloride	7.707	117	10600	5.613	ug/l #	17
49) 1,4-Dioxane	9.067	88	21	2.452	ug/l #	24
76) 1,2,3-Trichloropropane	12.402	75	35268	50.380	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	35268	121.665	ug/l #	11

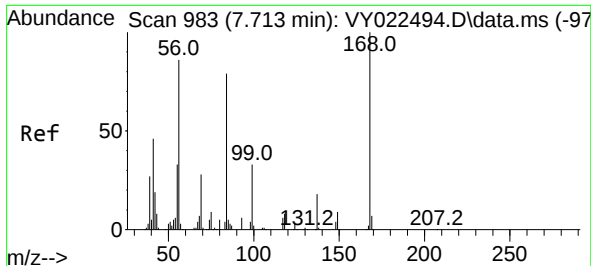
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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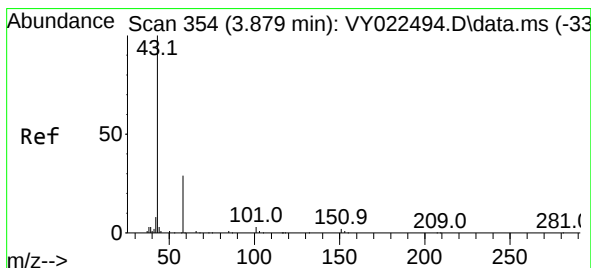
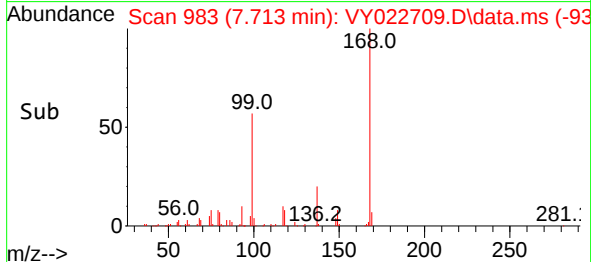
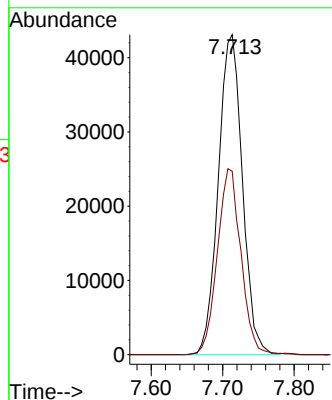
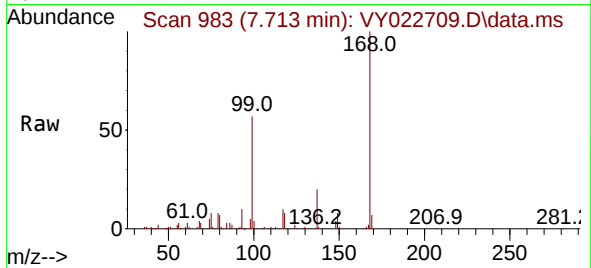




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

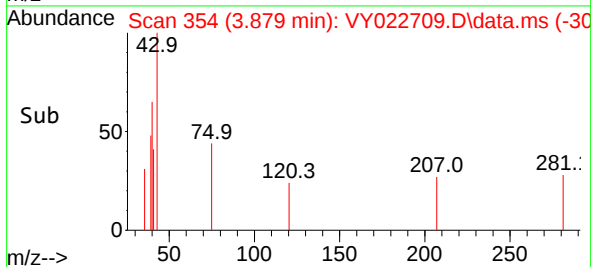
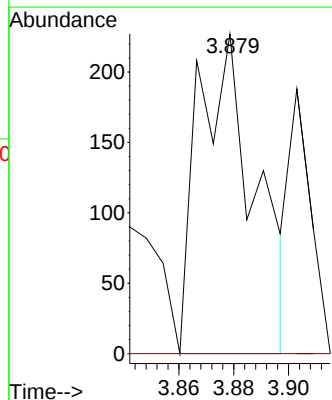
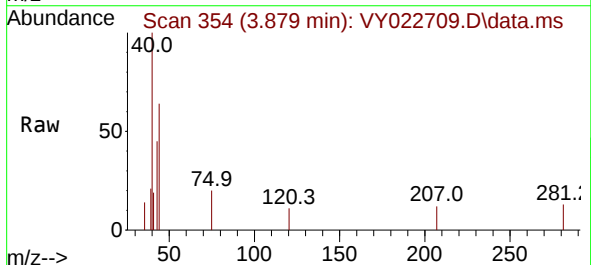
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:168 Resp: 100812
Ion Ratio Lower Upper
168 100
99 57.3 44.3 66.5



#16
Acetone
Concen: 1.428 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

Tgt Ion: 43 Resp: 327
Ion Ratio Lower Upper
43 100
58 0.0 24.0 36.0#

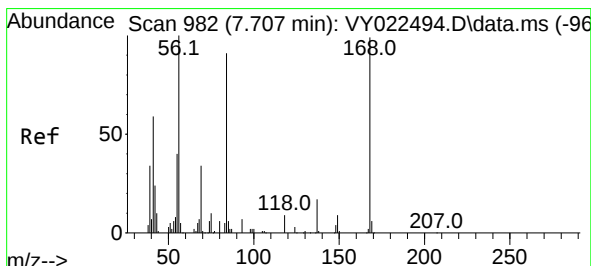
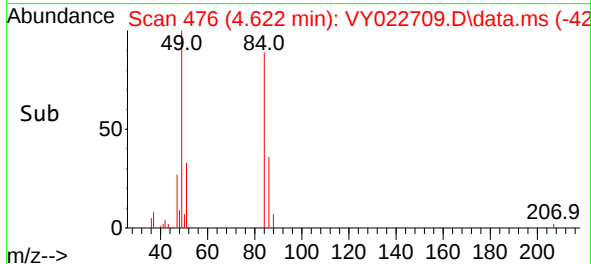
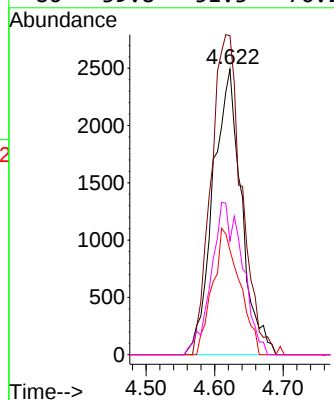
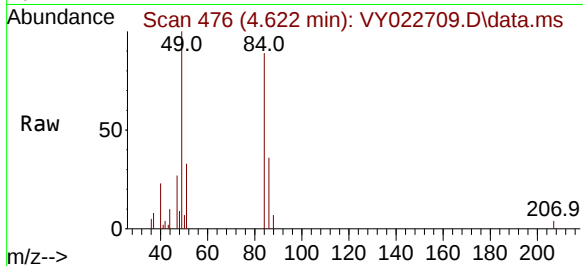




#20
Methylene Chloride
Concen: 5.532 ug/l
RT: 4.622 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

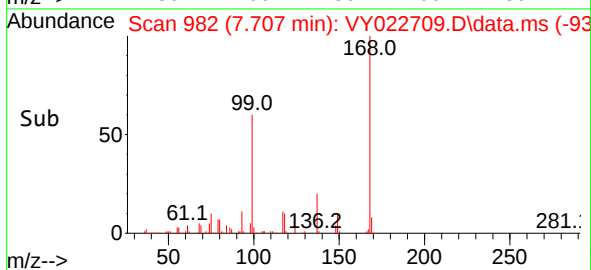
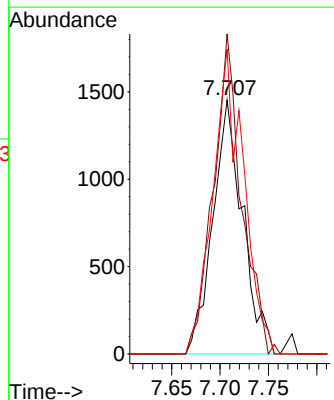
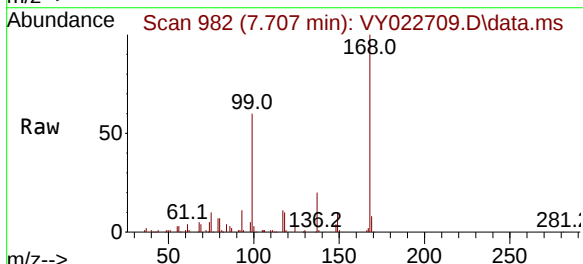
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

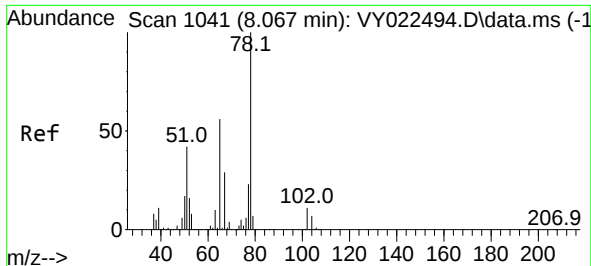
Tgt Ion:	84	Resp:	7196
Ion	Ratio	Lower	Upper
84	100		
49	111.8	101.9	152.9
51	36.6	29.8	44.8
86	39.8	51.3	76.9#



#31
Cyclohexane
Concen: 1.442 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

Tgt Ion:	56	Resp:	3125
Ion	Ratio	Lower	Upper
56	100		
69	126.1	27.0	40.6#
84	120.1	72.6	109.0#





#33

1,2-Dichloroethane-d4

Concen: 52.703 ug/l

RT: 8.067 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022709.D

Acq: 16 Jun 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

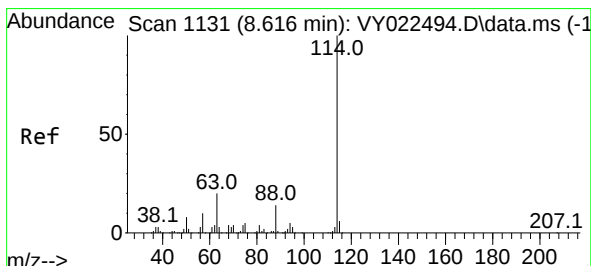
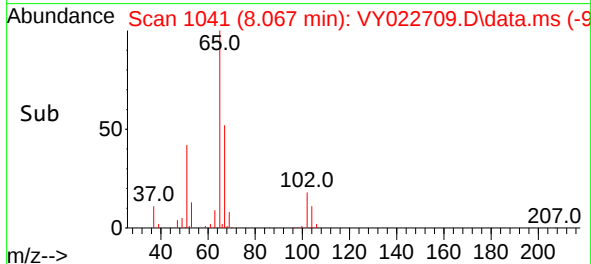
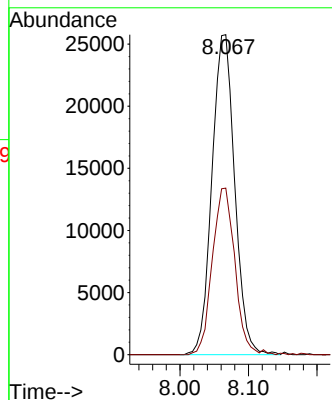
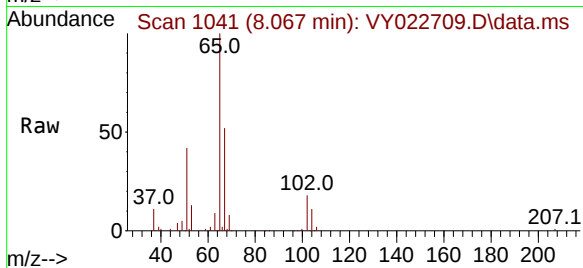
VIBLK

Tgt Ion: 65 Resp: 59424

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022709.D

Acq: 16 Jun 2025 16:09

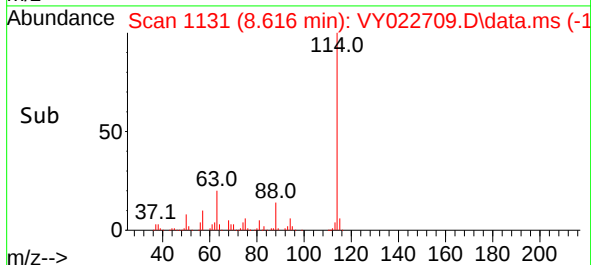
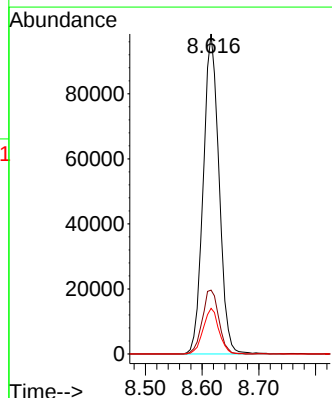
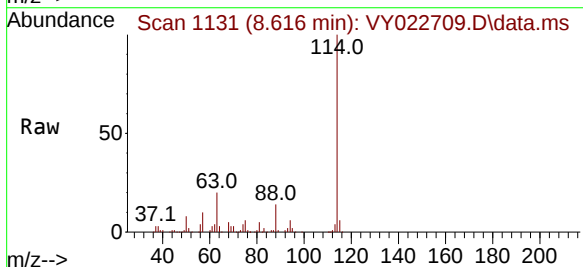
Tgt Ion: 114 Resp: 190040

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.8

88 14.2 0.0 27.8

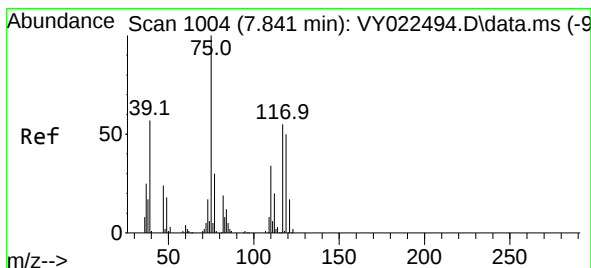
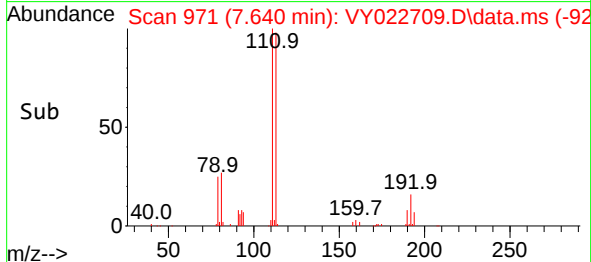
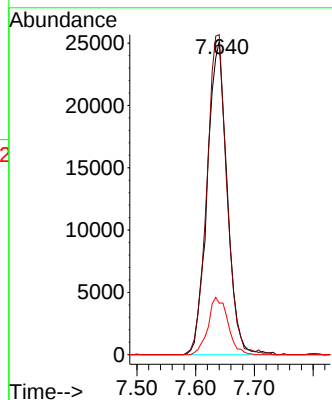
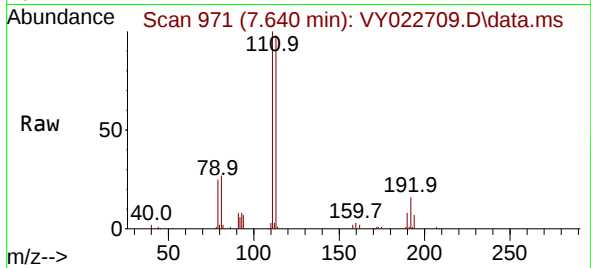




#35
Dibromofluoromethane
Concen: 52.271 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

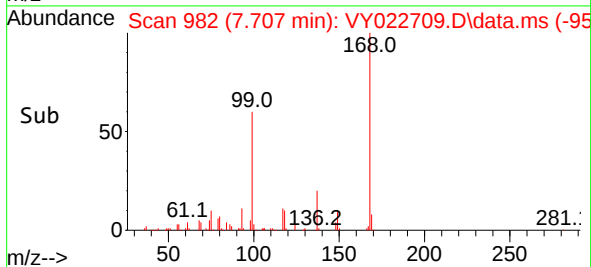
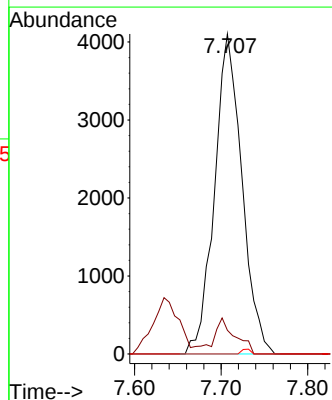
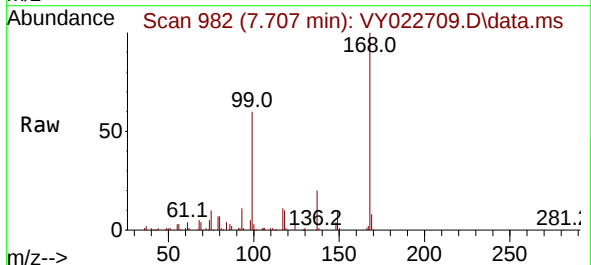
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

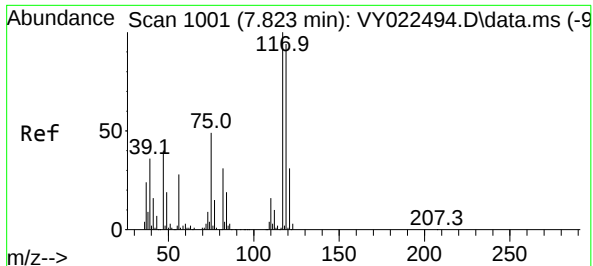
Tgt Ion:113 Resp: 59291
Ion Ratio Lower Upper
113 100
111 102.3 81.1 121.7
192 18.1 14.2 21.2



#36
1,1-Dichloropropene
Concen: 4.900 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

Tgt Ion: 75 Resp: 9020
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.0 24.8 37.2#

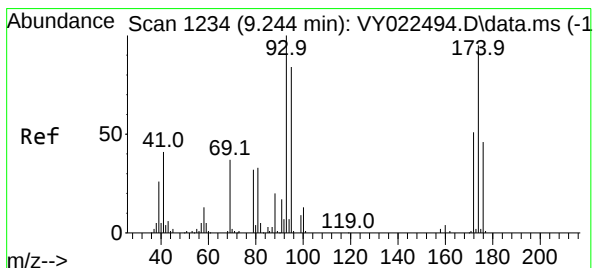
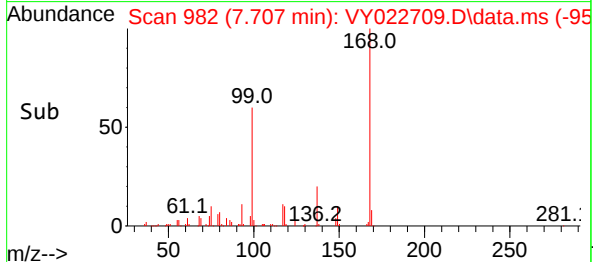
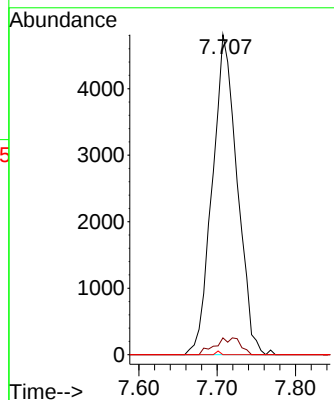
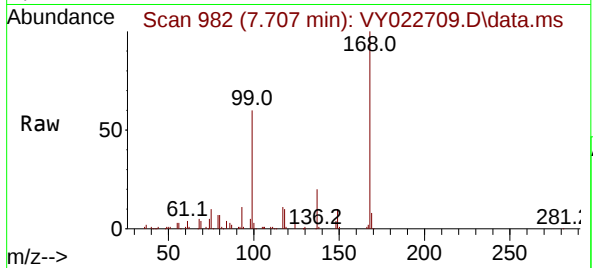




#38
Carbon Tetrachloride
Concen: 5.613 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

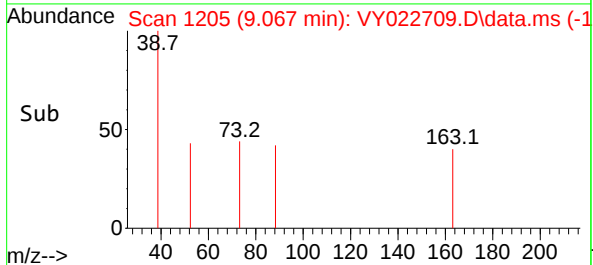
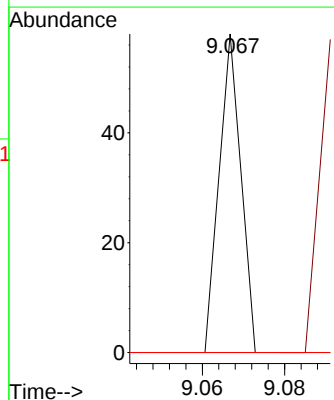
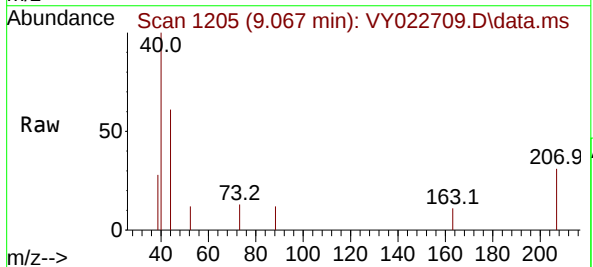
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

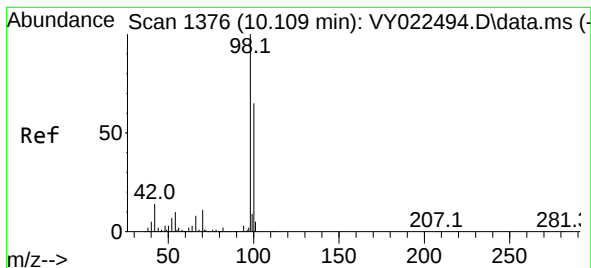
Tgt Ion:117 Resp: 10600
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 2.452 ug/l
RT: 9.067 min Scan# 1205
Delta R.T. -0.177 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 25.4 38.2#
58 0.0 54.9 82.3#

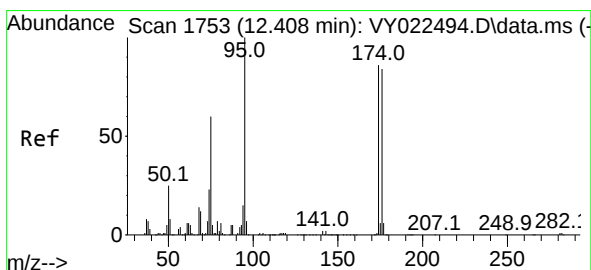
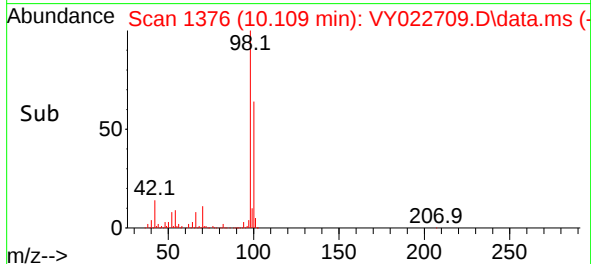
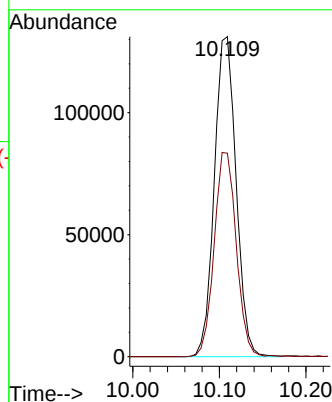
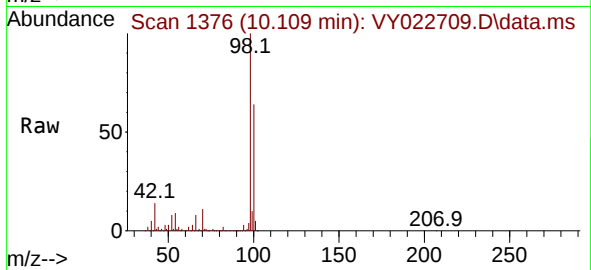




#50
Toluene-d8
Concen: 49.989 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

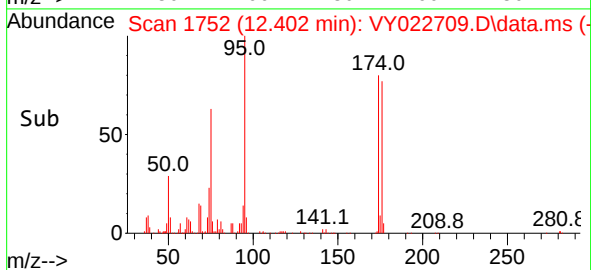
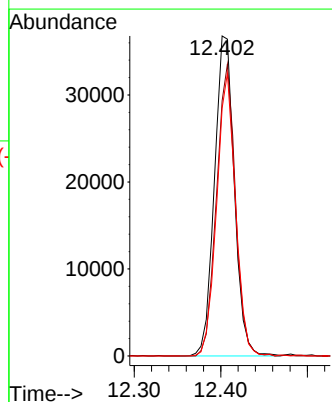
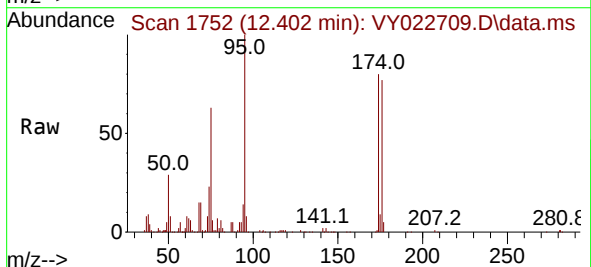
Instrument :
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VIBLK

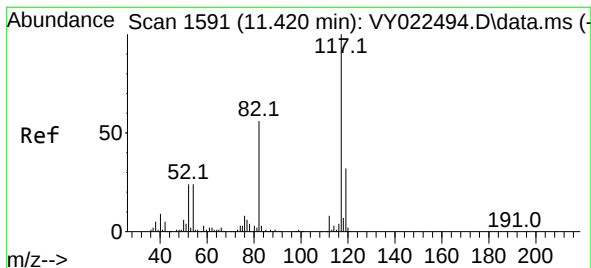
Tgt Ion: 98 Resp: 229118
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 42.921 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

Tgt Ion: 95 Resp: 58613
Ion Ratio Lower Upper
95 100
174 86.8 0.0 170.0
176 83.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022709.D

Acq: 16 Jun 2025 16:09

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

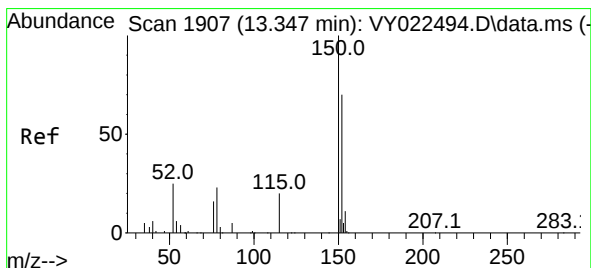
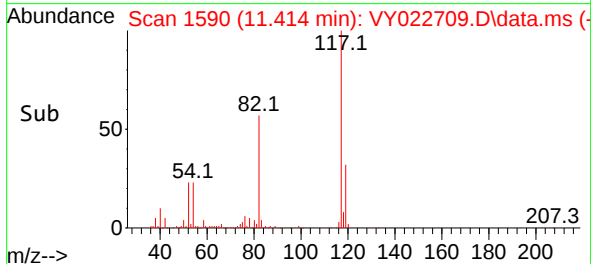
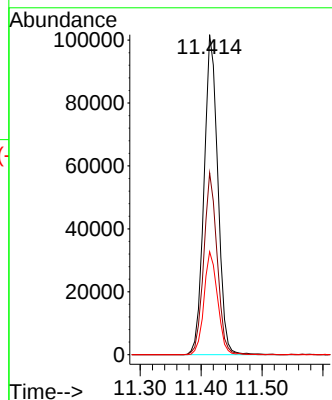
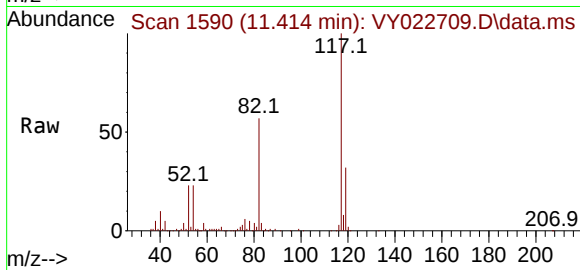
Tgt Ion:117 Resp: 160406

Ion Ratio Lower Upper

117 100

82 56.8 44.6 66.8

119 32.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022709.D

Acq: 16 Jun 2025 16:09

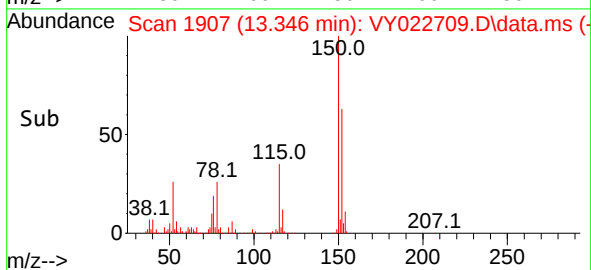
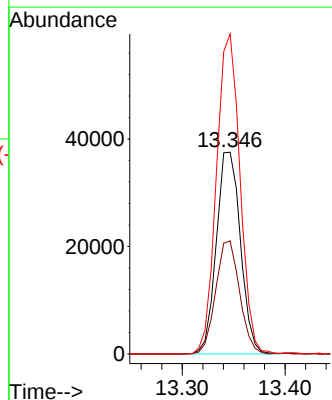
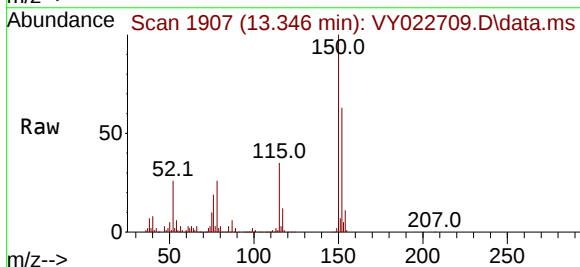
Tgt Ion:152 Resp: 61190

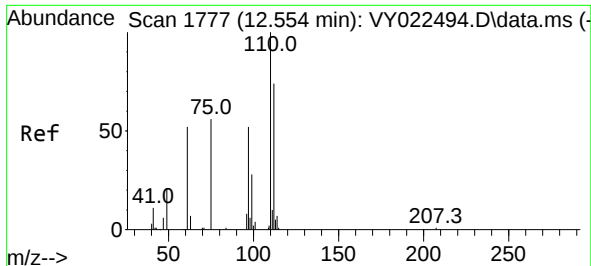
Ion Ratio Lower Upper

152 100

115 55.5 28.9 86.7

150 154.6 0.0 349.6

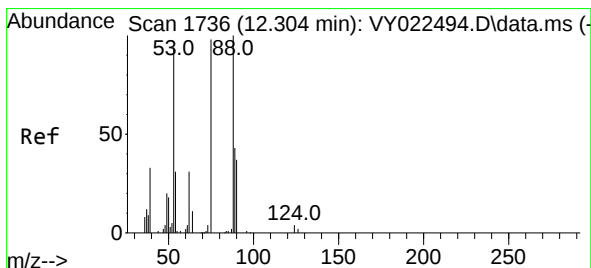
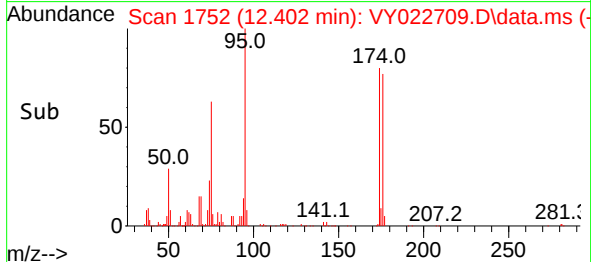
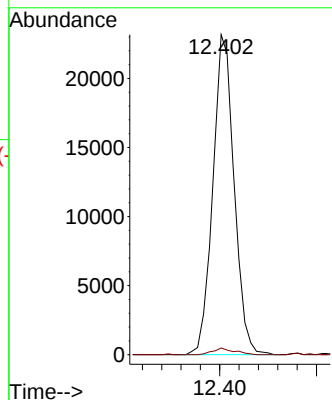
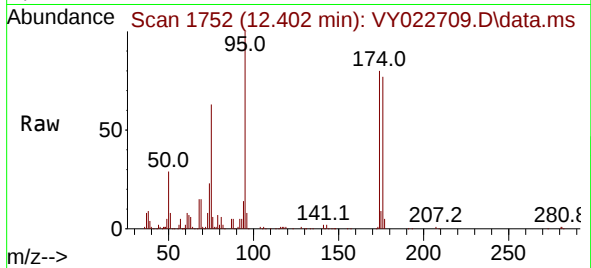




#76
1,2,3-Trichloropropane
Concen: 50.380 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.153 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 35268
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.665 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.097 min
Lab File: VY022709.D
Acq: 16 Jun 2025 16:09

Tgt Ion: 75 Resp: 35268
Ion Ratio Lower Upper
75 100
53 0.1 78.5 117.7#
89 0.2 35.7 53.5#

