

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061625\
 Data File : VY022705.D
 Acq On : 16 Jun 2025 14:36
 Operator : SY/MD
 Sample : Q2319-03
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-B-VOC

Quant Time: Jun 17 05:54:35 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)

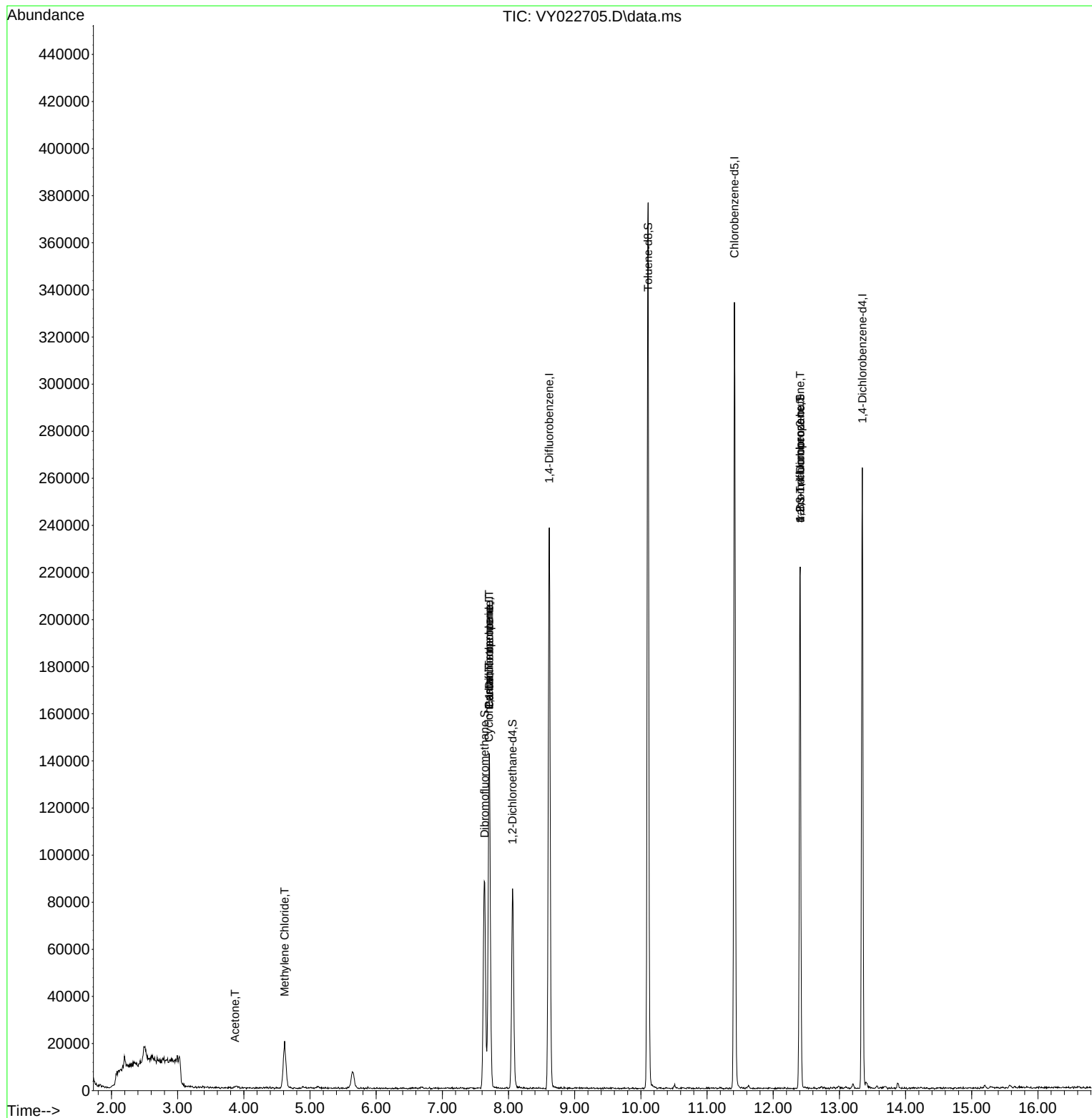
Internal Standards						
1) Pentafluorobenzene	7.707	168	106038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	196568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	163686	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	60892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	63369	53.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.860%	
35) Dibromofluoromethane	7.640	113	61063	52.045	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.080%	
50) Toluene-d8	10.109	98	237839	50.169	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.408	95	61594	43.606	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.220%	
Target Compounds						Qvalue
16) Acetone	3.867	43	843	3.500	ug/l #	84
20) Methylene Chloride	4.616	84	13047	9.536	ug/l	98
31) Cyclohexane	7.701	56	3026	1.328	ug/l #	23
36) 1,1-Dichloropropene	7.707	75	9336	4.903	ug/l #	51
38) Carbon Tetrachloride	7.707	117	11242	5.755	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	36569	52.494	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	36569	126.771	ug/l #	11

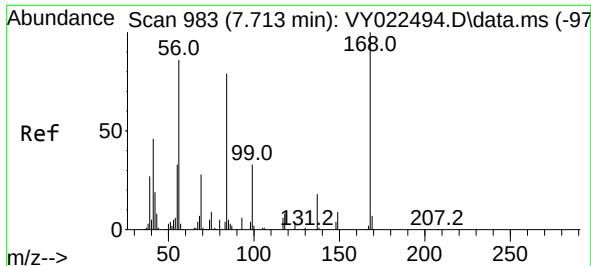
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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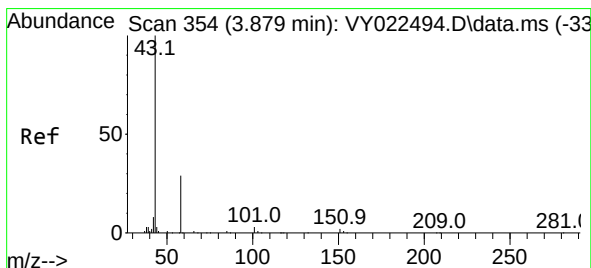
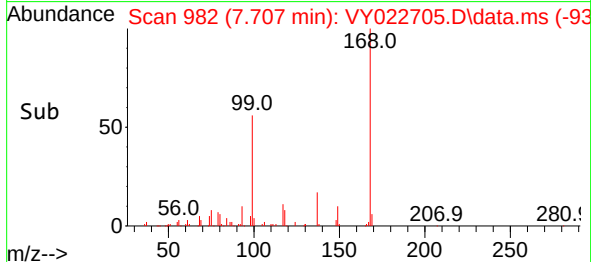
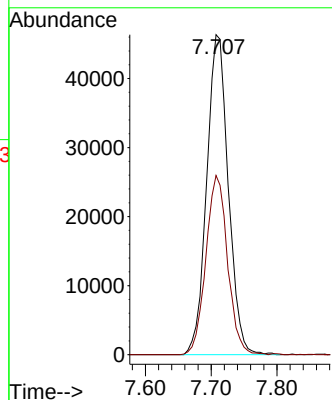
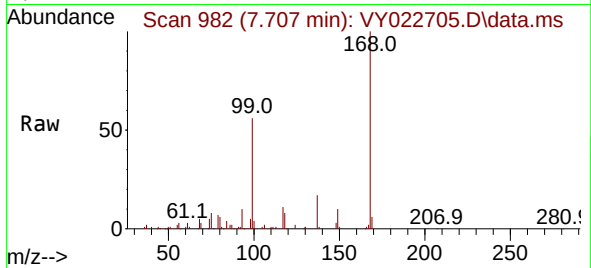




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022705.D
Acq: 16 Jun 2025 14:36

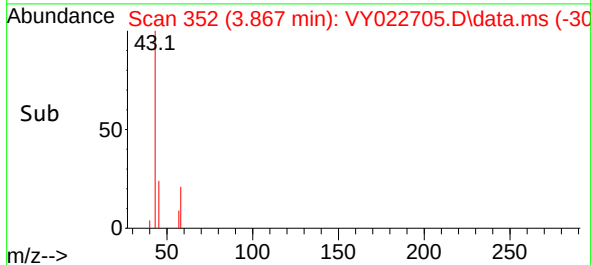
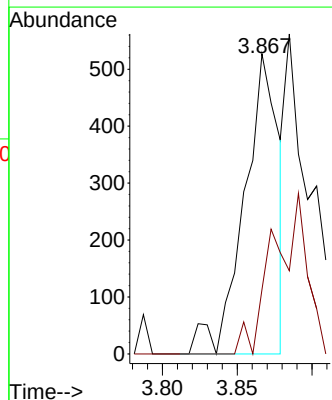
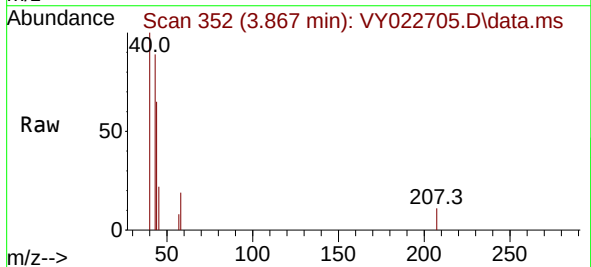
Instrument :
MSVOA_Y
ClientSampleId :
MH-B-VOC

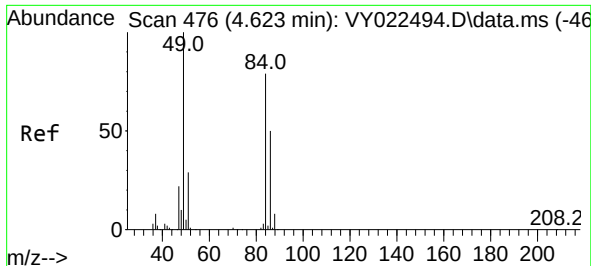
Tgt Ion:168 Resp: 106038
Ion Ratio Lower Upper
168 100
99 56.0 44.3 66.5



#16
Acetone
Concen: 3.500 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022705.D
Acq: 16 Jun 2025 14:36

Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
58 21.4 24.0 36.0#

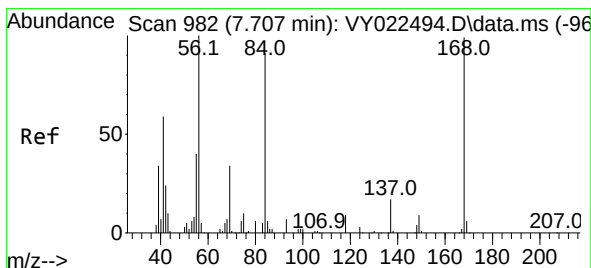
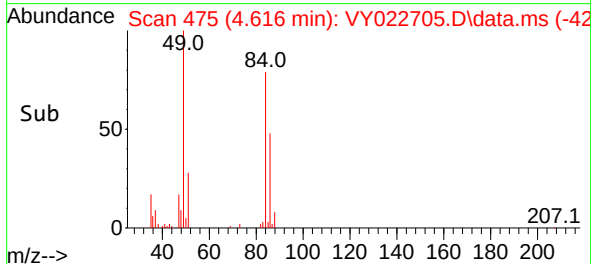
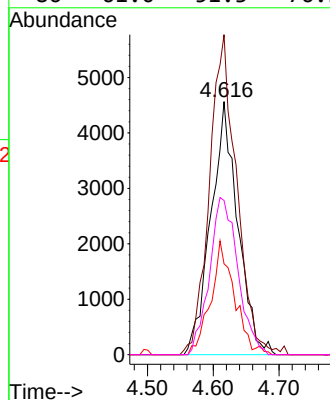
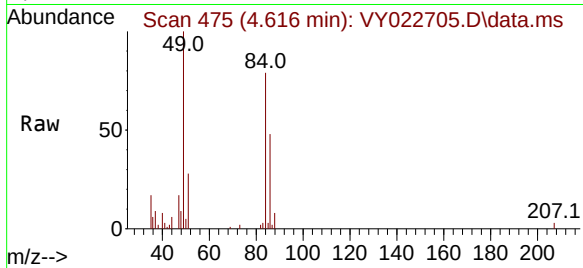




#20
Methylene Chloride
Concen: 9.536 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022705.D
Acq: 16 Jun 2025 14:36

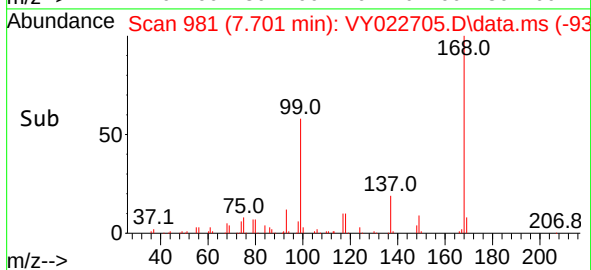
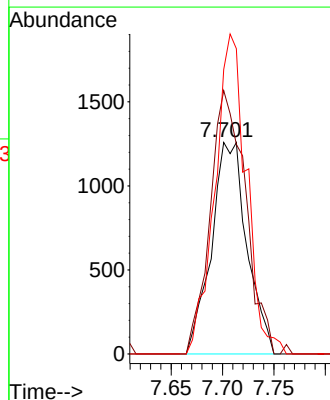
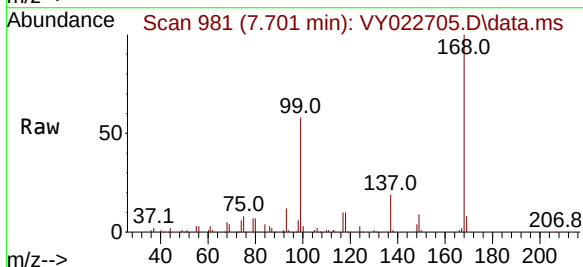
Instrument :
MSVOA_Y
ClientSampleId :
MH-B-VOC

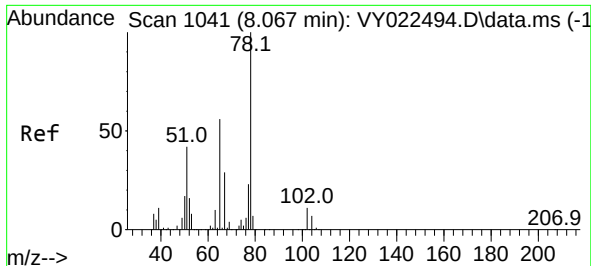
Tgt Ion:	84	Resp:	13047
Ion	Ratio	Lower	Upper
84	100		
49	126.4	101.9	152.9
51	35.9	29.8	44.8
86	61.0	51.3	76.9



#31
Cyclohexane
Concen: 1.328 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY022705.D
Acq: 16 Jun 2025 14:36

Tgt Ion:	56	Resp:	3026
Ion	Ratio	Lower	Upper
56	100		
69	124.5	27.0	40.6#
84	134.5	72.6	109.0#

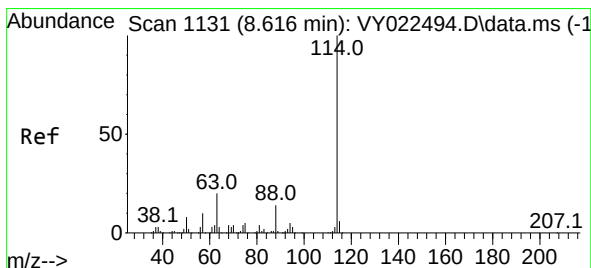
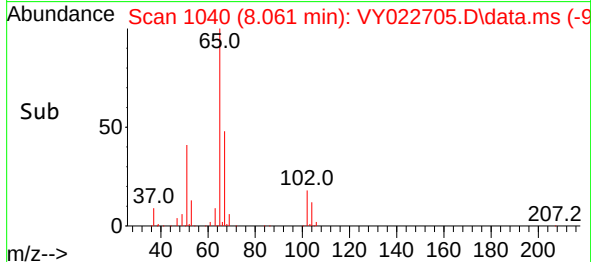
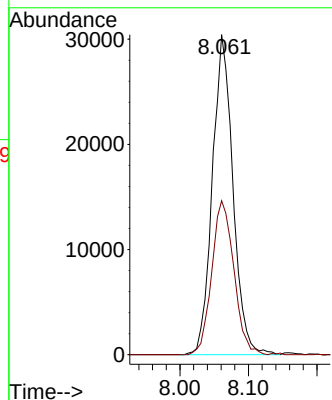
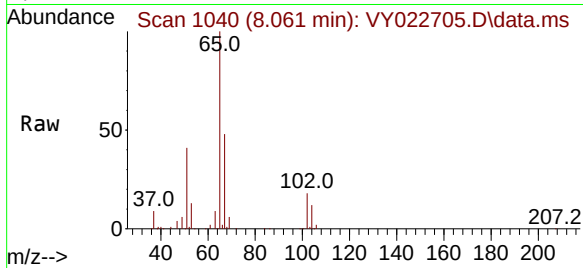




#33
 1,2-Dichloroethane-d4
 Concen: 53.432 ug/l
 RT: 8.061 min Scan# 1104
 Delta R.T. -0.006 min
 Lab File: VY022705.D
 Acq: 16 Jun 2025 14:36

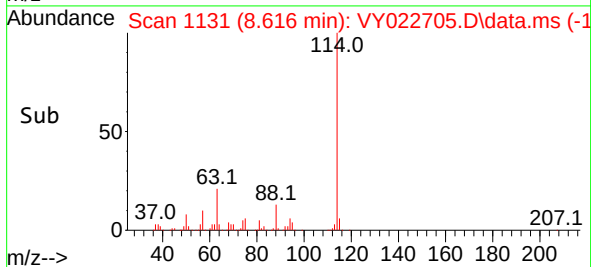
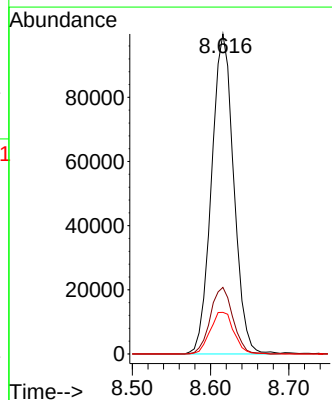
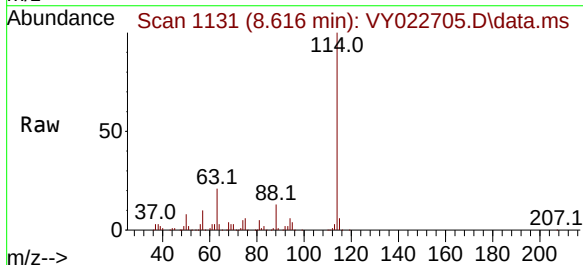
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-B-VOC

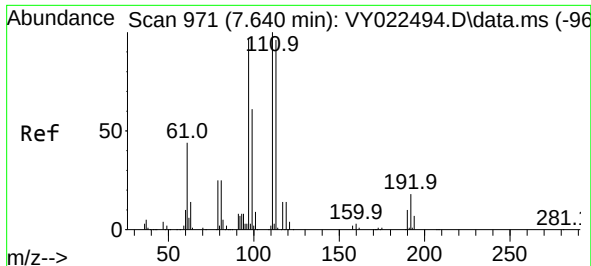
Tgt Ion: 65 Resp: 63369
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VY022705.D
 Acq: 16 Jun 2025 14:36

Tgt Ion: 114 Resp: 196568
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 40.8
 88 13.0 0.0 27.8





#35

Dibromofluoromethane

Concen: 52.045 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022705.D

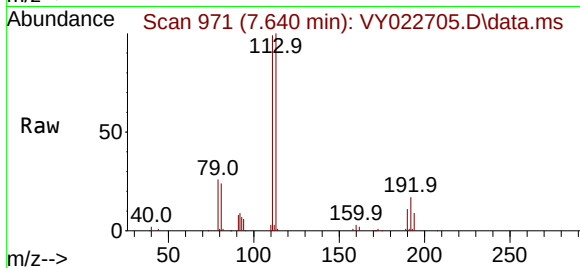
Acq: 16 Jun 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

MH-B-VOC



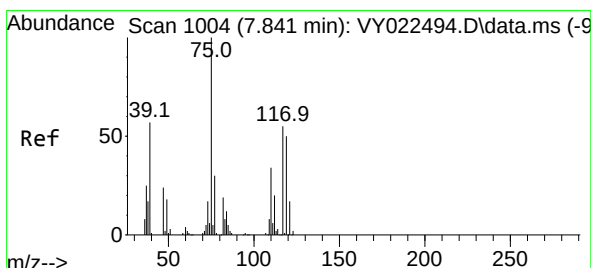
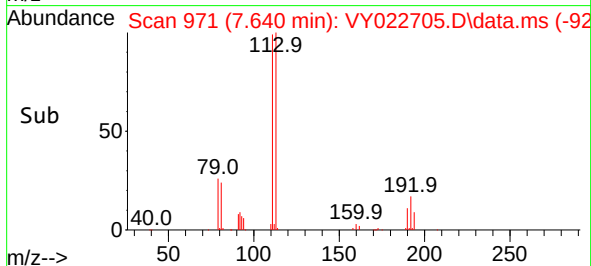
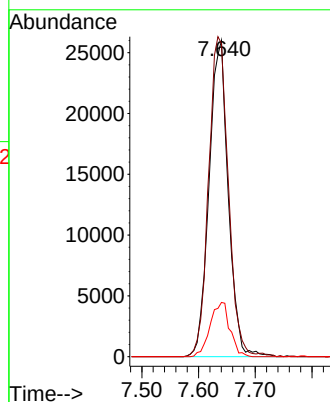
Tgt Ion:113 Resp: 61063

Ion Ratio Lower Upper

113 100

111 104.0 81.1 121.7

192 17.7 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.903 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY022705.D

Acq: 16 Jun 2025 14:36

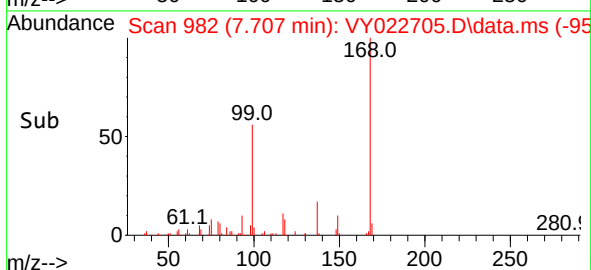
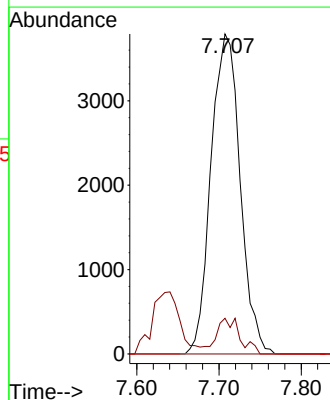
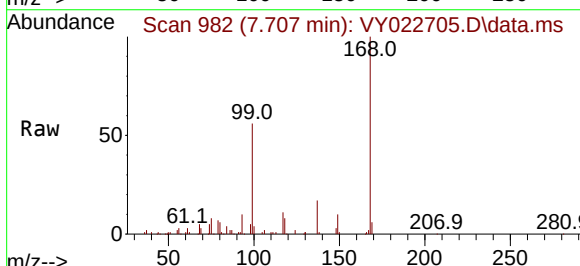
Tgt Ion: 75 Resp: 9336

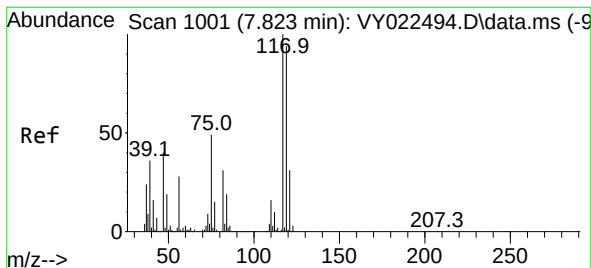
Ion Ratio Lower Upper

75 100

110 9.2 16.9 50.7#

77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 5.755 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY022705.D

Acq: 16 Jun 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

MH-B-VOC

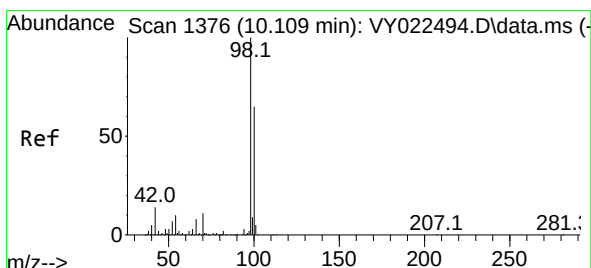
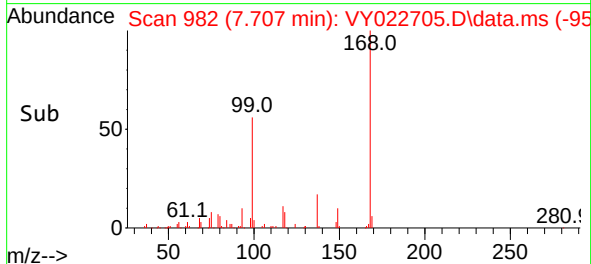
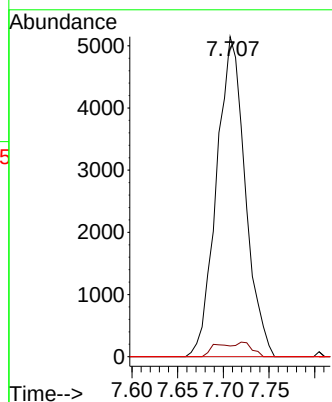
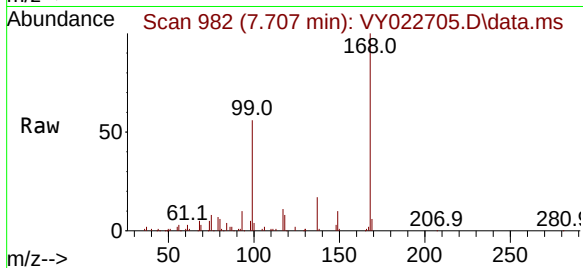
Tgt Ion:117 Resp: 11242

Ion Ratio Lower Upper

117 100

119 3.4 75.0 112.6#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 50.169 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022705.D

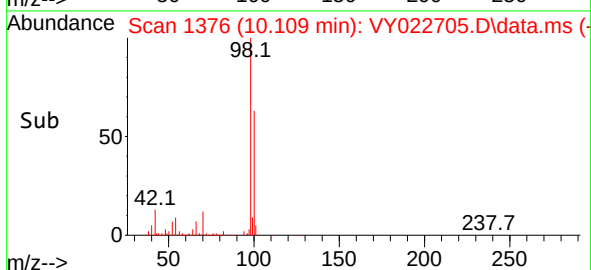
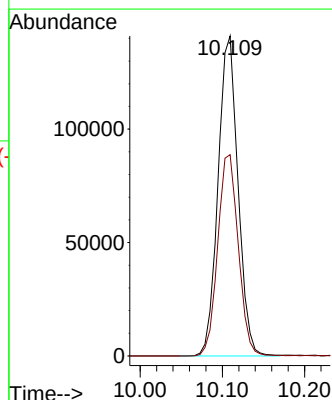
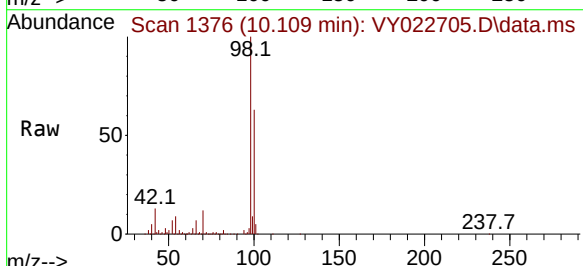
Acq: 16 Jun 2025 14:36

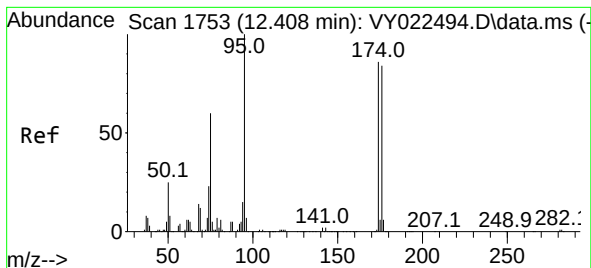
Tgt Ion: 98 Resp: 237839

Ion Ratio Lower Upper

98 100

100 65.0 51.4 77.0

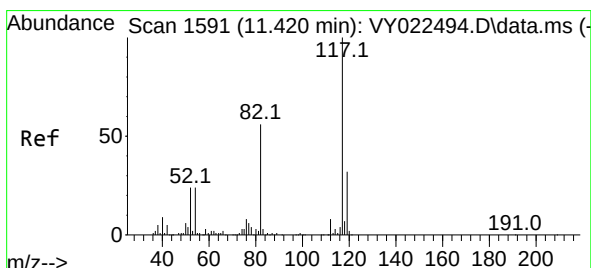
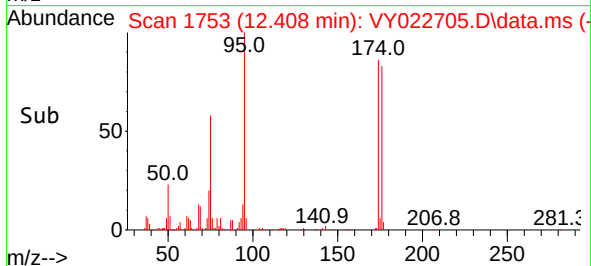
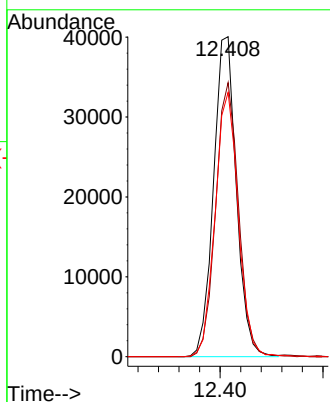
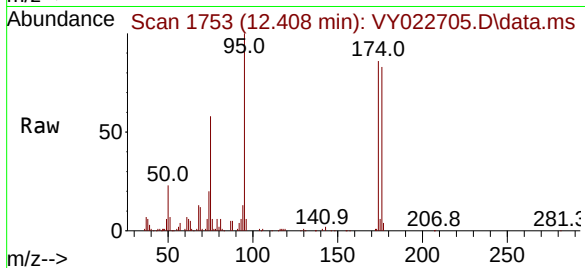




#62
4-Bromofluorobenzene
Concen: 43.606 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022705.D
Acq: 16 Jun 2025 14:36

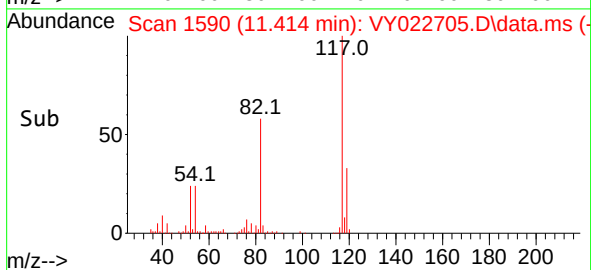
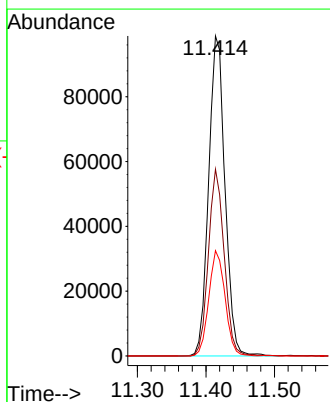
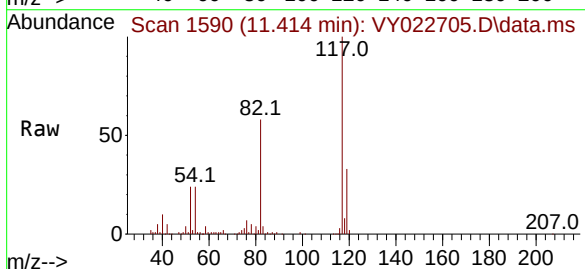
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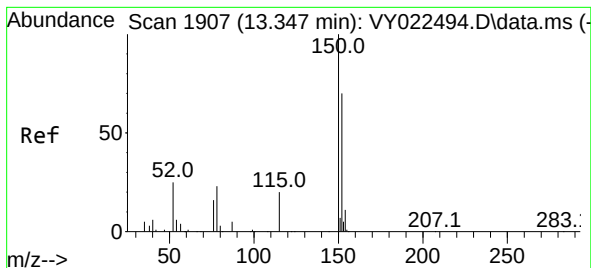
Tgt Ion:	95	Resp:	61594
Ion Ratio	Lower	Upper	
95	100		
174	85.8	0.0	170.0
176	84.1	0.0	166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022705.D
Acq: 16 Jun 2025 14:36

Tgt Ion:	117	Resp:	163686
Ion Ratio	Lower	Upper	
117	100		
82	58.3	44.6	66.8
119	32.9	25.4	38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022705.D

Acq: 16 Jun 2025 14:36

Instrument :

MSVOA_Y

ClientSampleId :

MH-B-VOC

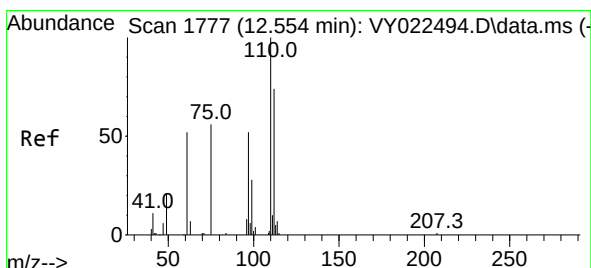
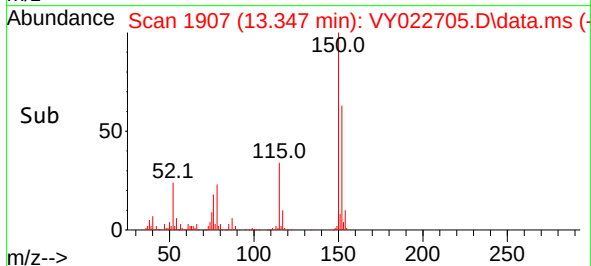
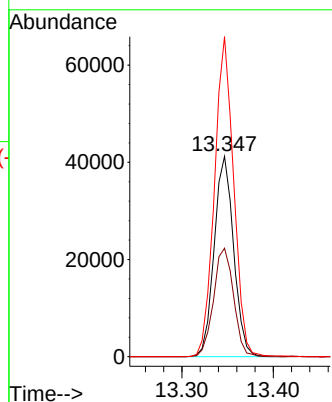
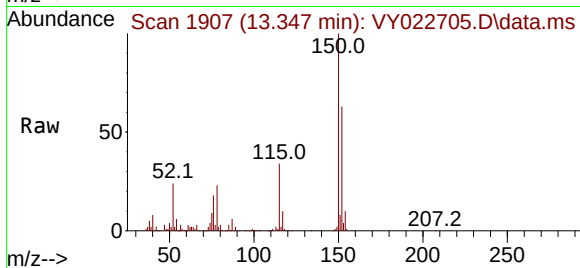
Tgt Ion:152 Resp: 60892

Ion Ratio Lower Upper

152 100

115 55.8 28.9 86.7

150 157.9 0.0 349.6



#76

1,2,3-Trichloropropane

Concen: 52.494 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022705.D

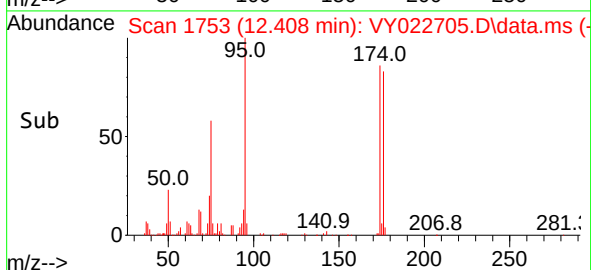
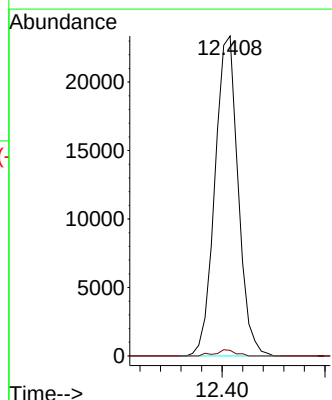
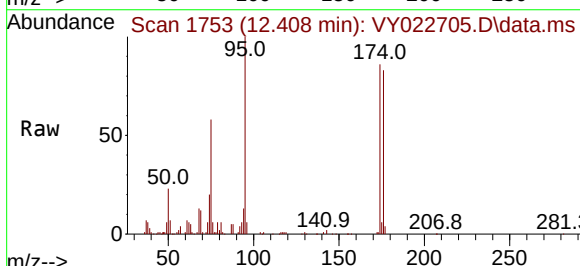
Acq: 16 Jun 2025 14:36

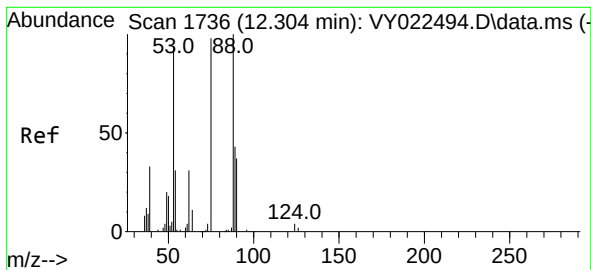
Tgt Ion: 75 Resp: 36569

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.771 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY022705.D
 Acq: 16 Jun 2025 14:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-B-VOC

Tgt Ion: 75 Resp: 36569
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.5 117.7#
 89 0.0 35.7 53.5#

