

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022450.D
 Acq On : 28 May 2025 15:04
 Operator : SY/MD
 Sample : Q2146-02
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP04-MHN-VOC

Quant Time: May 29 01:58:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

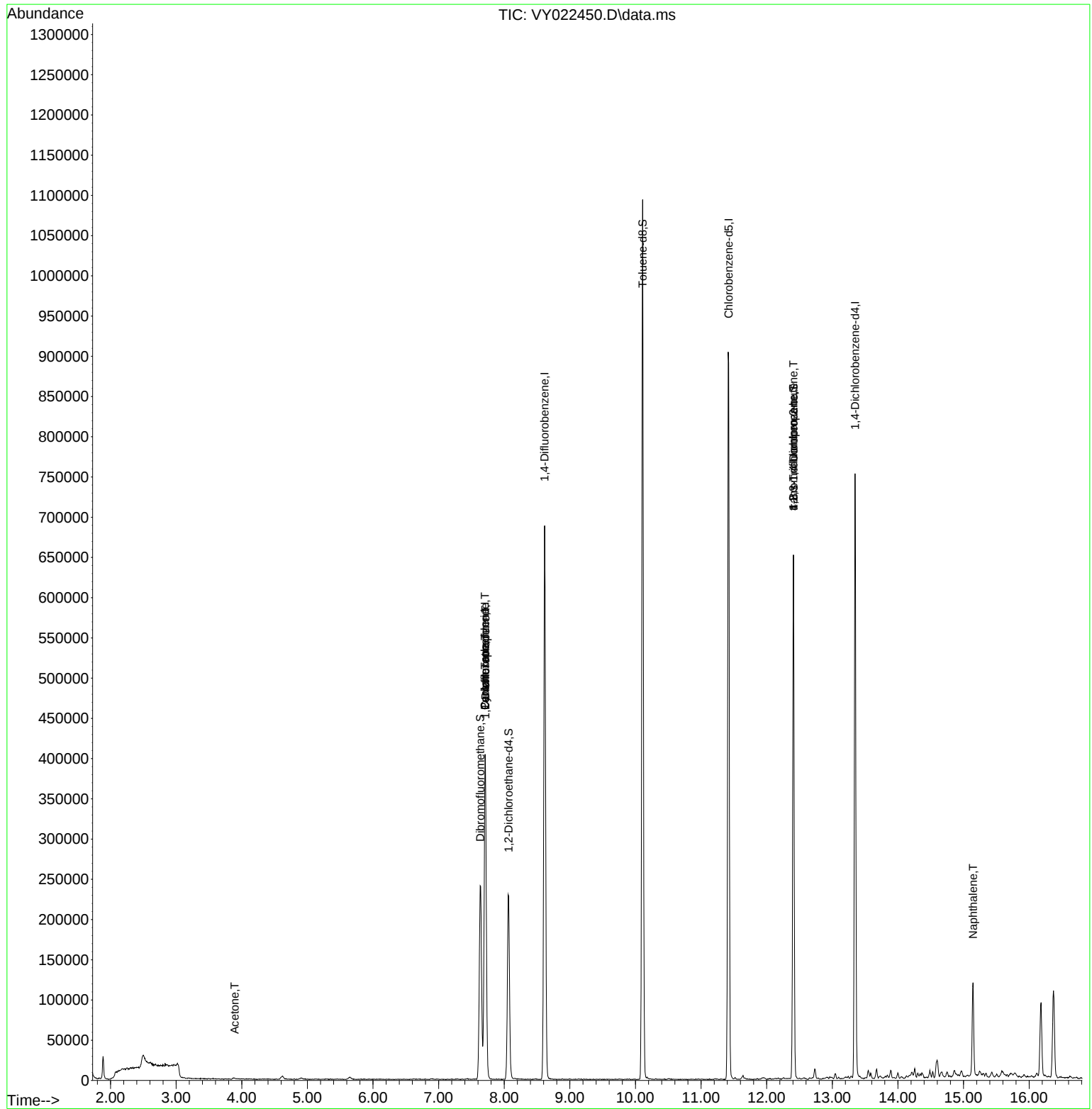
Internal Standards						
1) Pentafluorobenzene	7.707	168	302897	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	556801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	452835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	171019	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	178368	55.907	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.820%	
35) Dibromofluoromethane	7.634	113	167448	51.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.700%	
50) Toluene-d8	10.109	98	665364	50.054	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.100%	
62) 4-Bromofluorobenzene	12.408	95	174020	43.279	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.560%	
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	2429	4.633	ug/l	91
31) Cyclohexane	7.707	56	8606	1.402	ug/l #	28
36) 1,1-Dichloropropene	7.713	75	26796	5.179	ug/l #	50
38) Carbon Tetrachloride	7.707	117	31714	5.884	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	100271	58.534	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	100271	132.372	ug/l #	12
95) Naphthalene	15.145	128	89180	17.875	ug/l	99

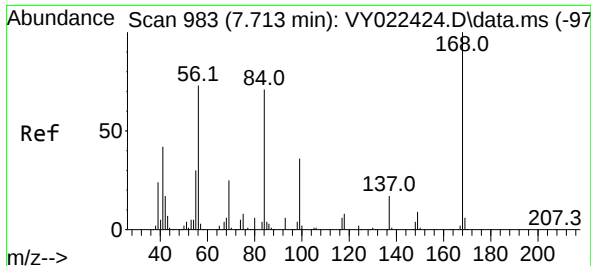
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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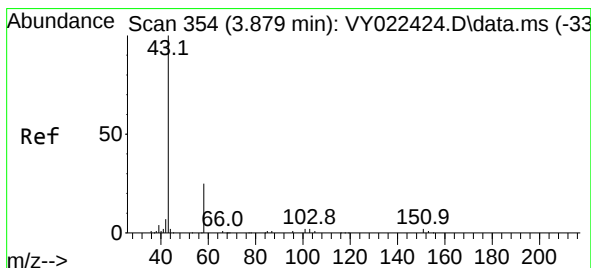
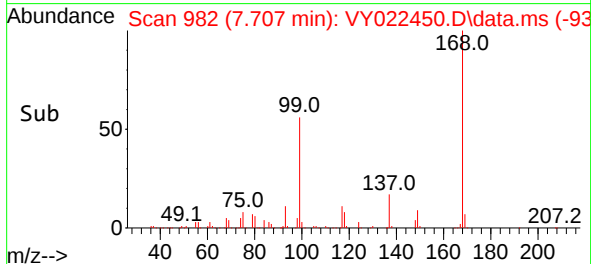
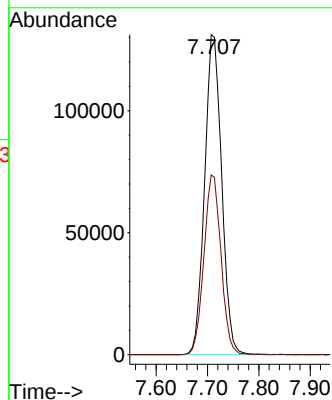
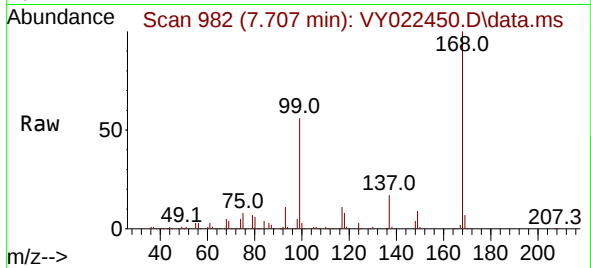




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

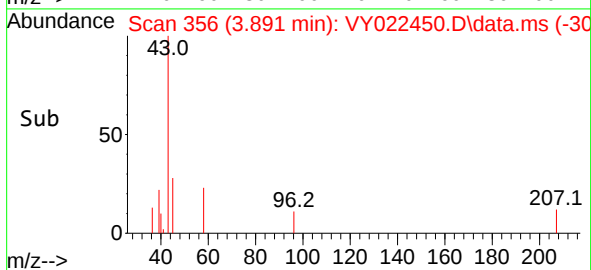
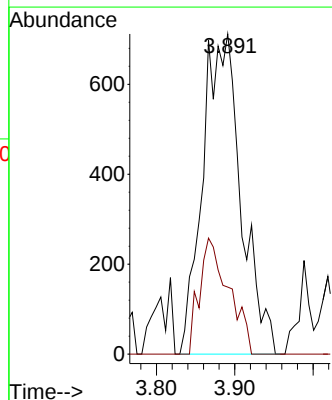
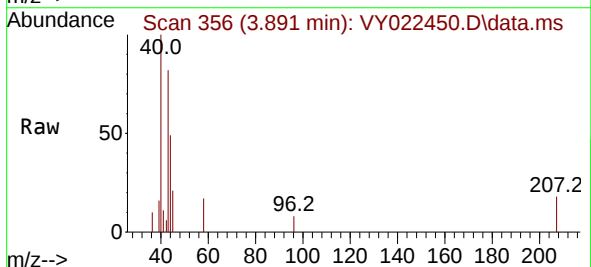
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MHN-VOC

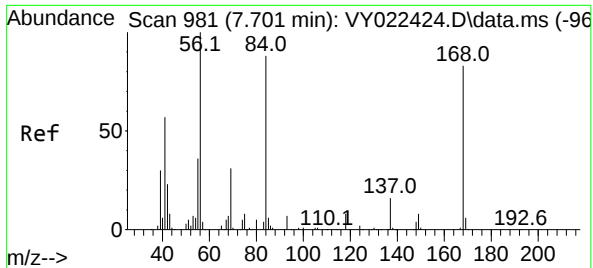
Tgt Ion:168 Resp: 302897
Ion Ratio Lower Upper
168 100
99 56.1 44.7 67.1



#16
Acetone
Concen: 4.633 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

Tgt Ion: 43 Resp: 2429
Ion Ratio Lower Upper
43 100
58 20.9 20.6 30.8

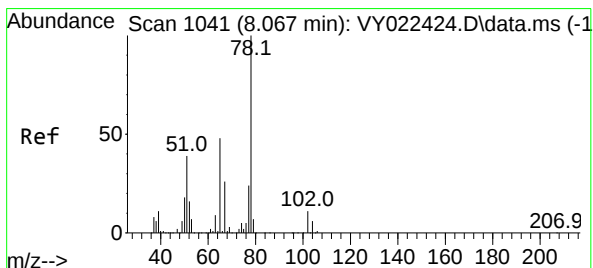
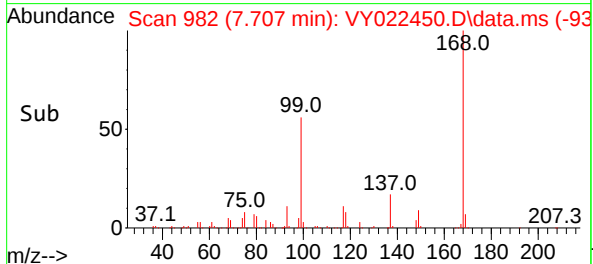
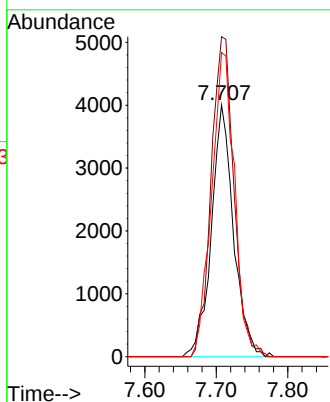
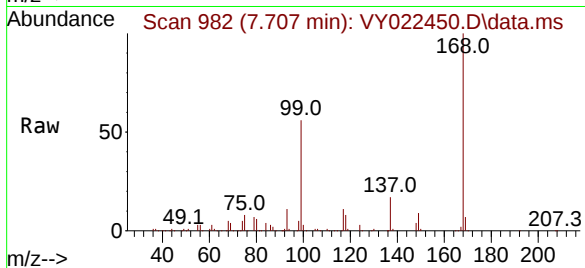




#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

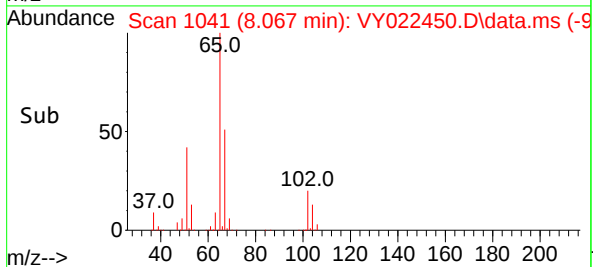
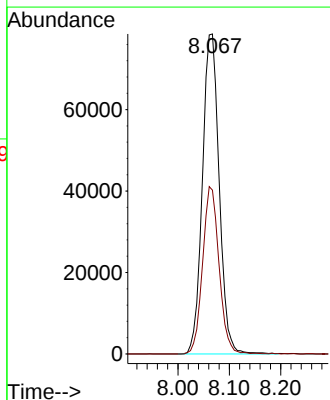
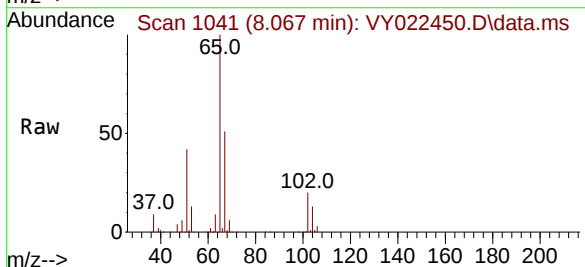
Instrument :
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ClientSampleId :
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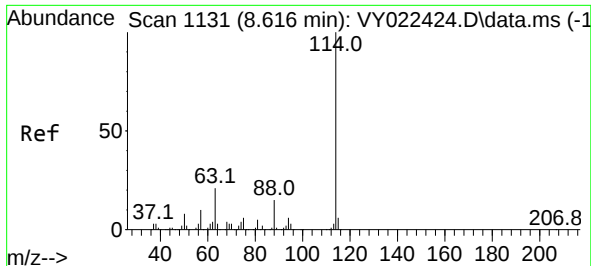
Tgt Ion: 56 Resp: 8606
Ion Ratio Lower Upper
56 100
69 127.1 24.6 36.8#
84 120.9 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 55.907 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

Tgt Ion: 65 Resp: 178368
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4

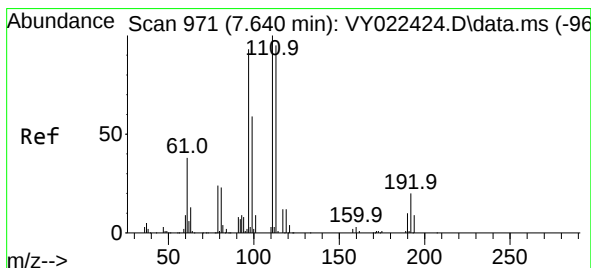
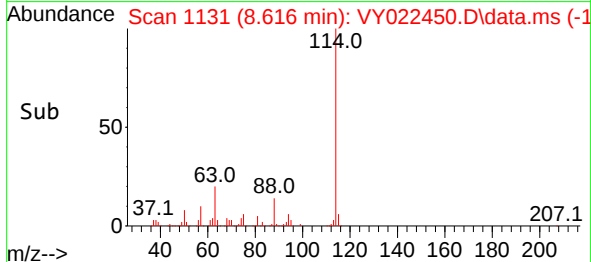
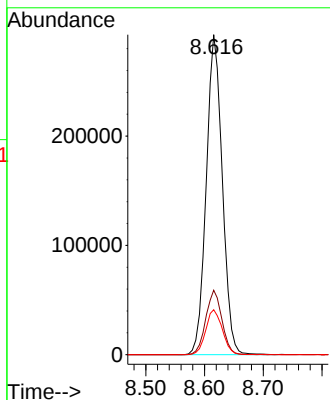
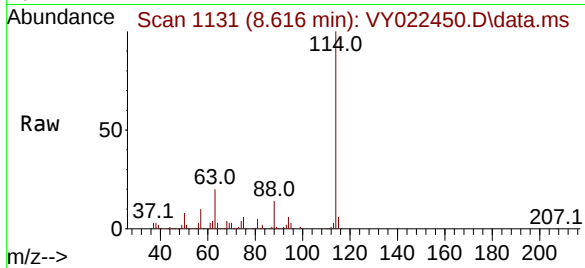




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

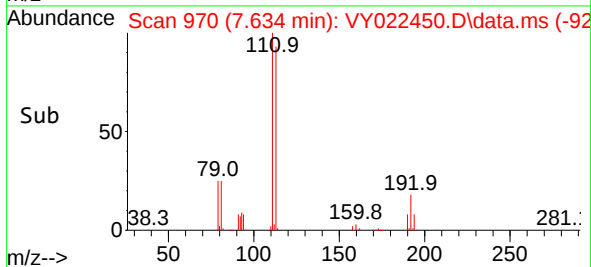
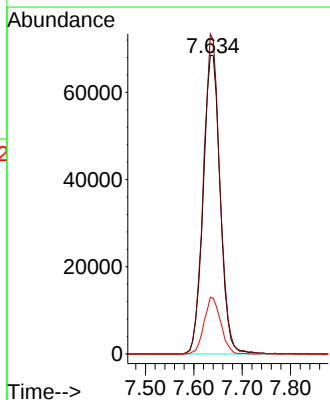
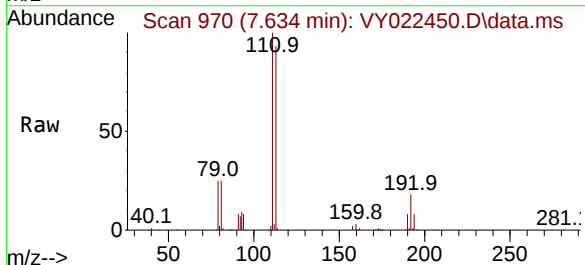
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MHN-VOC

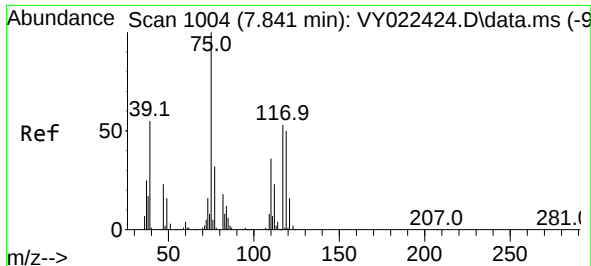
Tgt Ion:114 Resp: 556801
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 14.1 0.0 29.4



#35
Dibromofluoromethane
Concen: 51.352 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

Tgt Ion:113 Resp: 167448
Ion Ratio Lower Upper
113 100
111 104.0 82.4 123.6
192 18.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.179 ug/l

RT: 7.713 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY022450.D

Acq: 28 May 2025 15:04

Instrument :

MSVOA_Y

ClientSampleId :

TP04-MHN-VOC

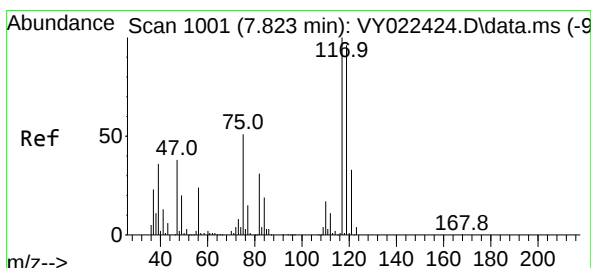
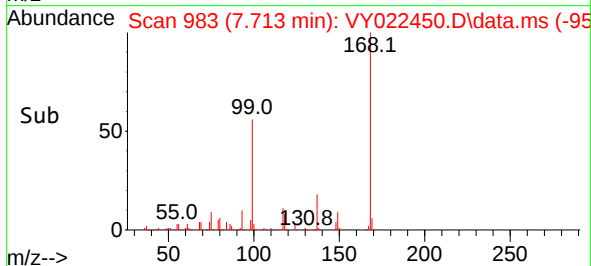
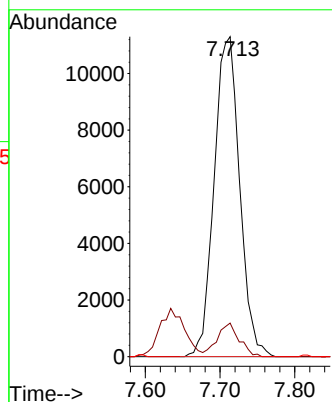
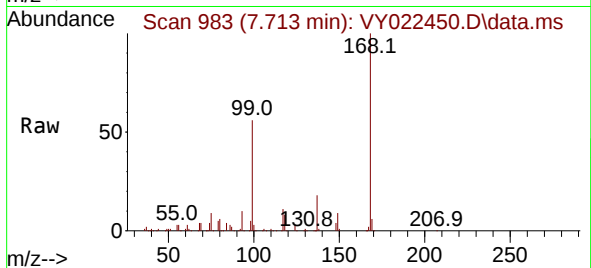
Tgt Ion: 75 Resp: 26796

Ion Ratio Lower Upper

75 100

110 9.1 17.1 51.2#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.884 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.116 min

Lab File: VY022450.D

Acq: 28 May 2025 15:04

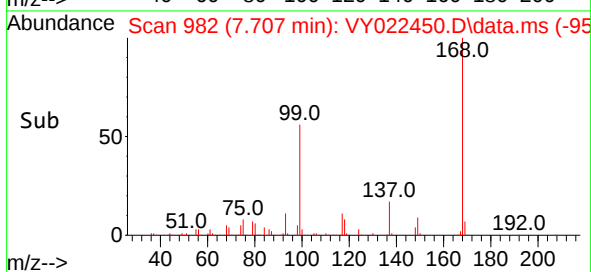
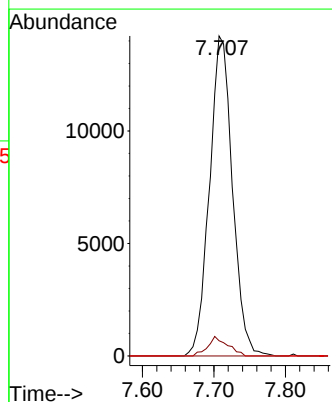
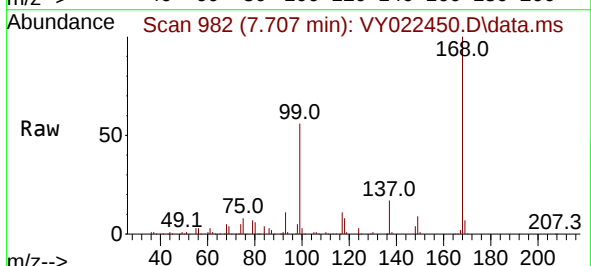
Tgt Ion: 117 Resp: 31714

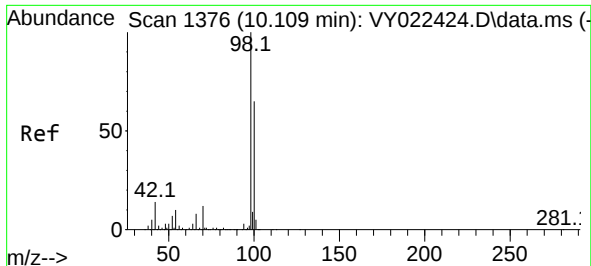
Ion Ratio Lower Upper

117 100

119 4.8 76.3 114.5#

121 0.0 26.1 39.1#

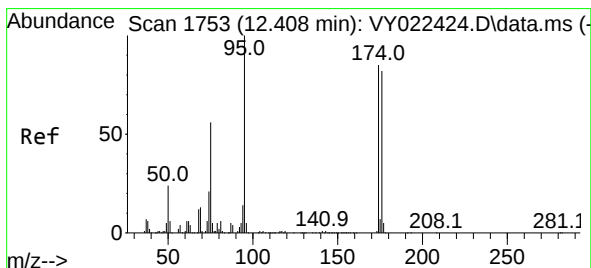
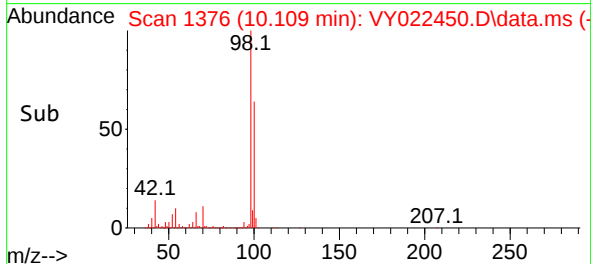
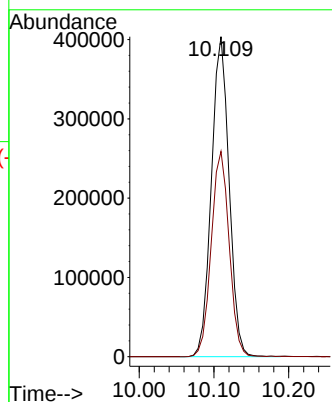
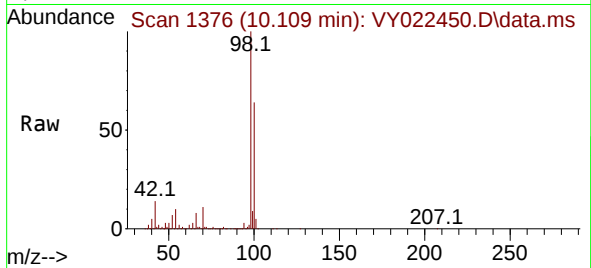




#50
Toluene-d8
Concen: 50.054 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

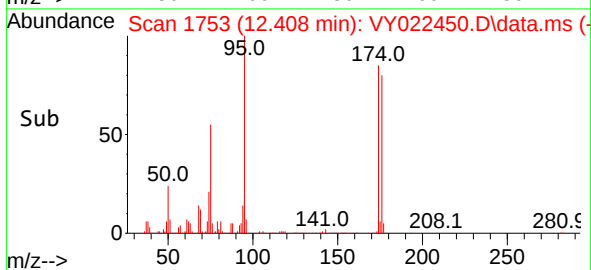
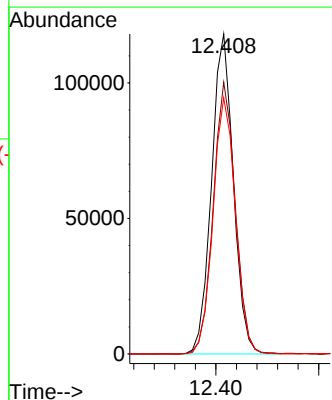
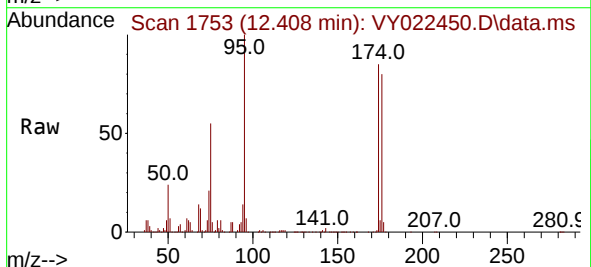
Instrument :
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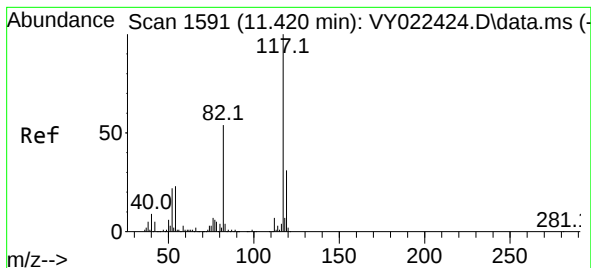
Tgt Ion: 98 Resp: 665364
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 43.279 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

Tgt Ion: 95 Resp: 174020
Ion Ratio Lower Upper
95 100
174 86.0 0.0 171.6
176 82.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022450.D

Acq: 28 May 2025 15:04

Instrument :

MSVOA_Y

ClientSampleId :

TP04-MHN-VOC

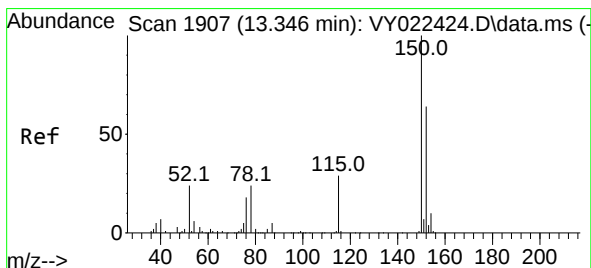
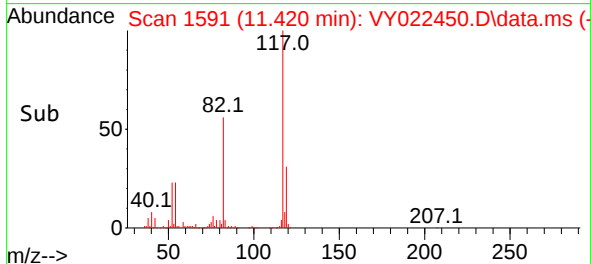
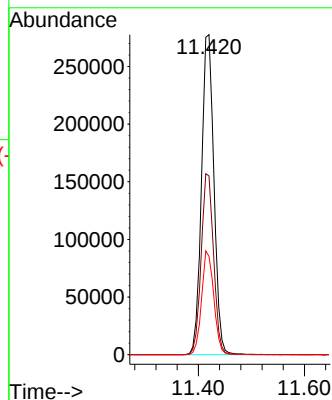
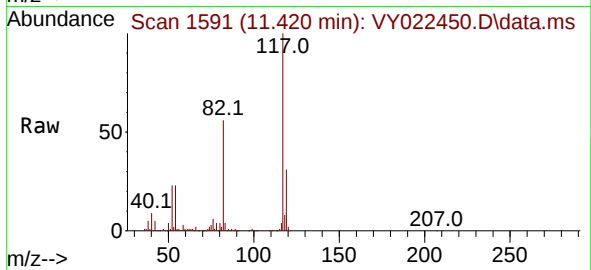
Tgt Ion:117 Resp: 452835

Ion Ratio Lower Upper

117 100

82 55.9 43.3 64.9

119 30.8 24.5 36.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022450.D

Acq: 28 May 2025 15:04

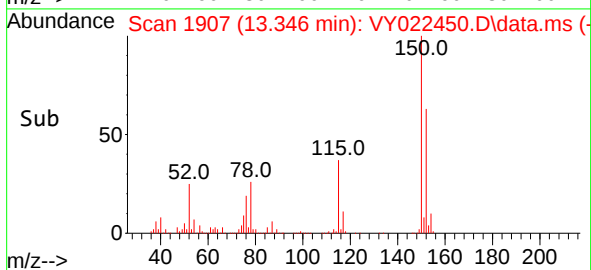
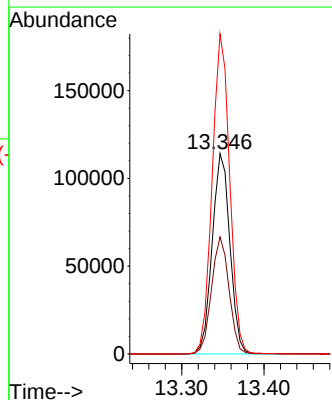
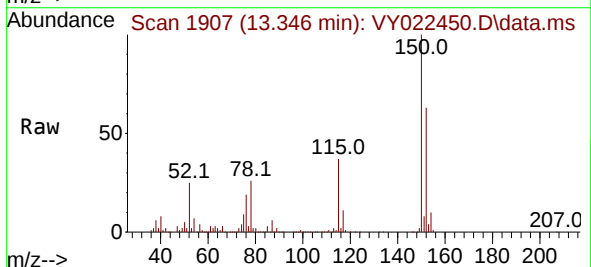
Tgt Ion:152 Resp: 171019

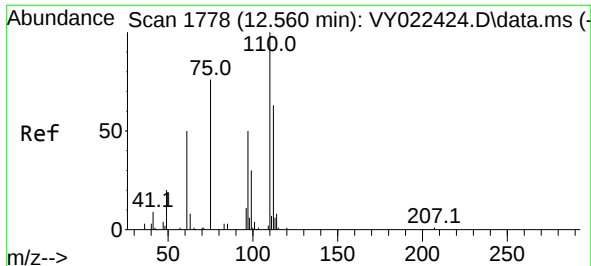
Ion Ratio Lower Upper

152 100

115 57.8 28.4 85.3

150 157.5 0.0 345.8

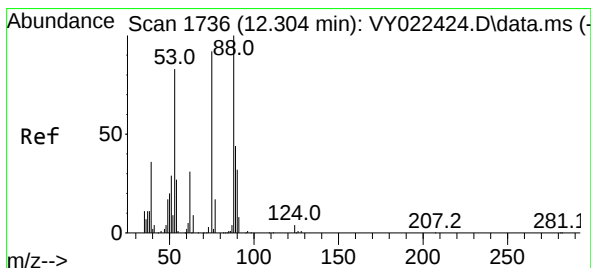
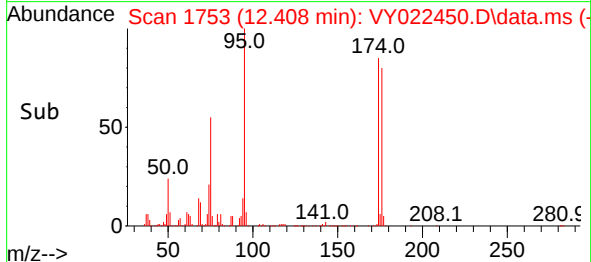
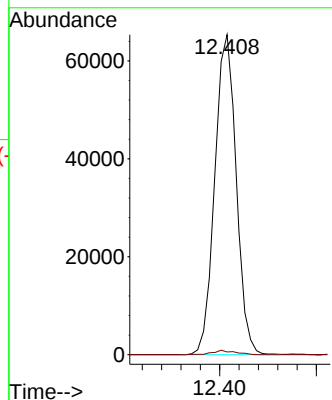
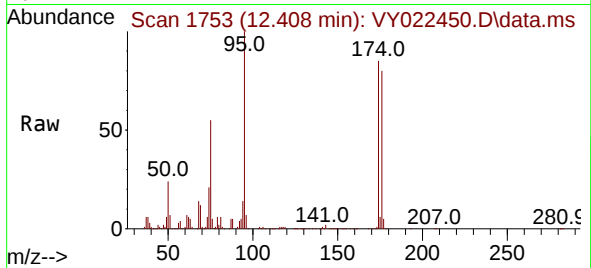




#76
1,2,3-Trichloropropane
Concen: 58.534 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

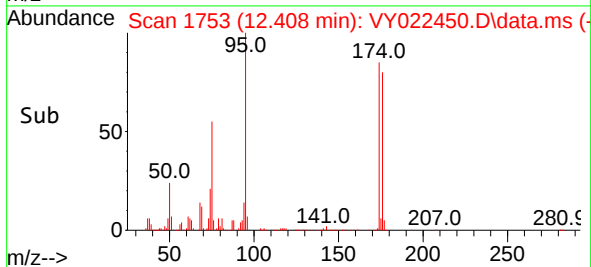
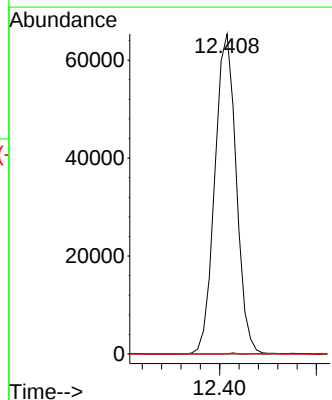
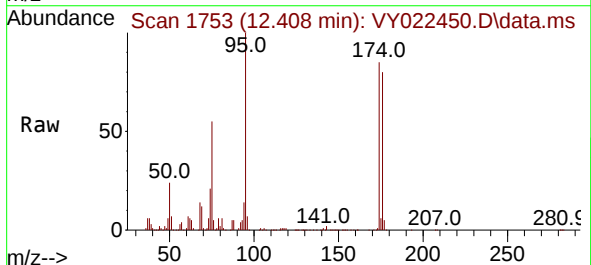
Instrument :
MSVOA_Y
ClientSampleId :
TP04-MHN-VOC

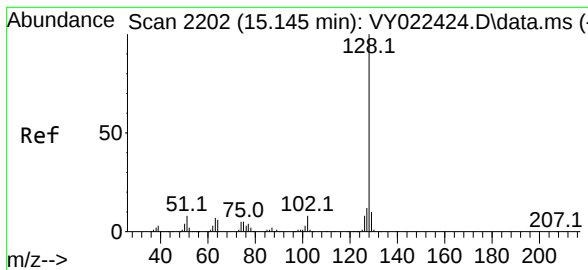
Tgt Ion: 75 Resp: 100271
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.372 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY022450.D
Acq: 28 May 2025 15:04

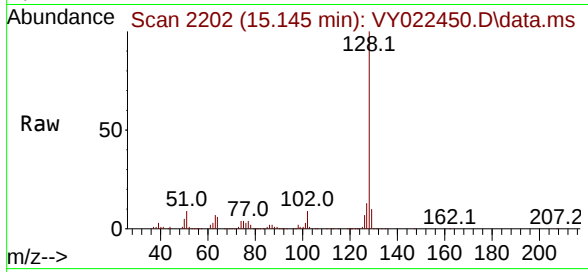
Tgt Ion: 75 Resp: 100271
Ion Ratio Lower Upper
75 100
53 0.0 75.1 112.7#
89 0.1 37.4 56.0#





#95
 Naphthalene
 Concen: 17.875 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY022450.D
 Acq: 28 May 2025 15:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP04-MHN-VOC



Tgt Ion:	128	Resp:	89180
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.4
129	11.2	8.5	12.7

