

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022036.D
 Acq On : 28 Apr 2025 17:02
 Operator : SY/MD
 Sample : Q1891-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-C-VOC

Quant Time: Apr 29 03:55:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

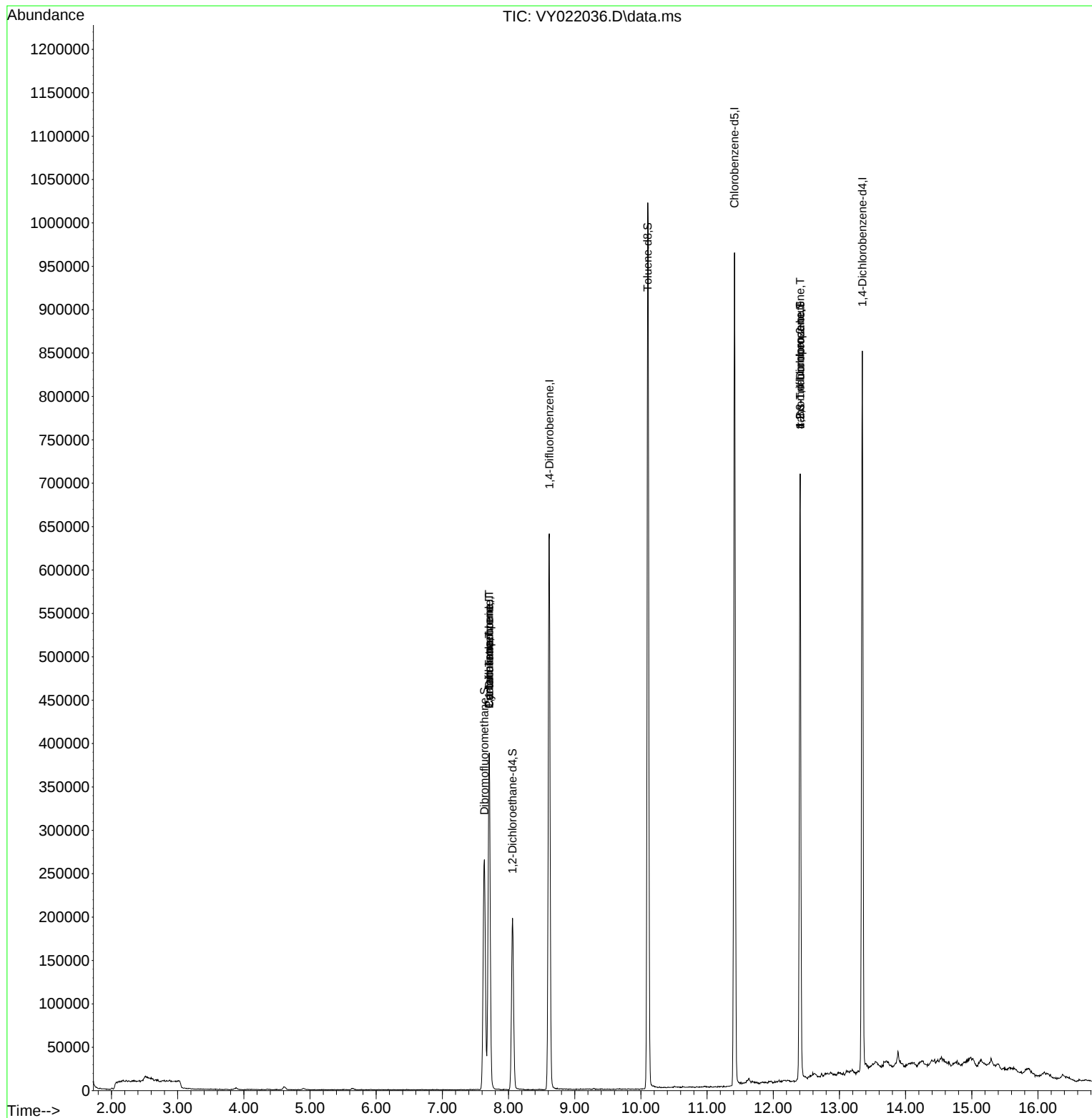
Internal Standards						
1) Pentafluorobenzene	7.707	168	299712	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	571993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	533506	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	222901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	155503	56.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.340%	
35) Dibromofluoromethane	7.634	113	194111	51.367	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.740%	
50) Toluene-d8	10.103	98	699839	49.124	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.240%	
62) 4-Bromofluorobenzene	12.408	95	220033	45.879	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.760%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	3018	Below Cal	#	63
31) Cyclohexane	7.707	56	5618	1.228	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	22224	4.378	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30108	4.964	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	106269	55.660	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	106269	134.037	ug/l #	16

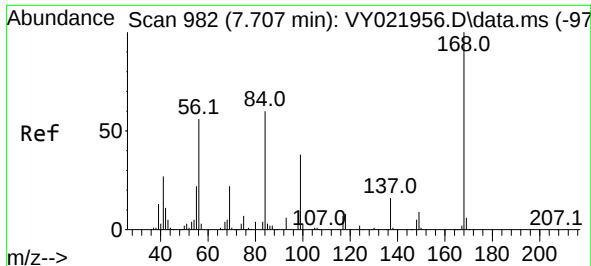
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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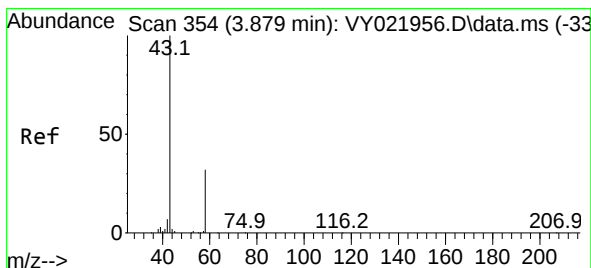
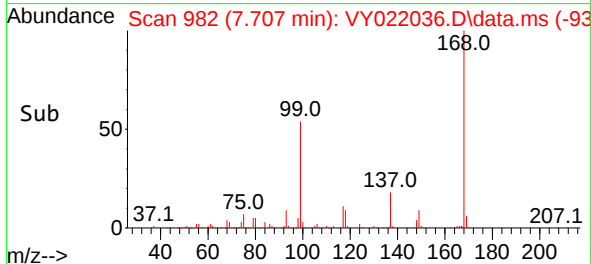
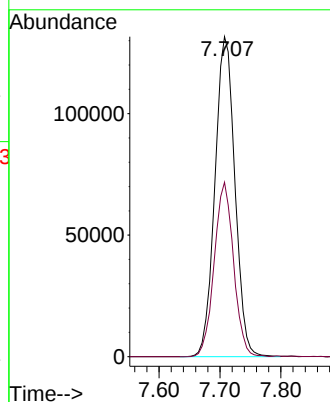
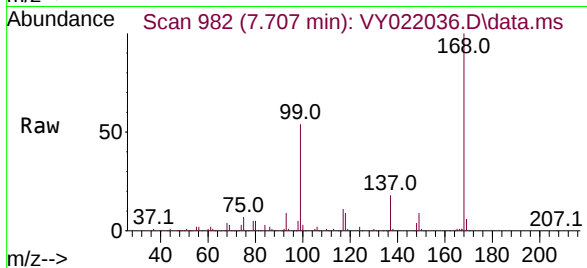




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022036.D
Acq: 28 Apr 2025 17:02

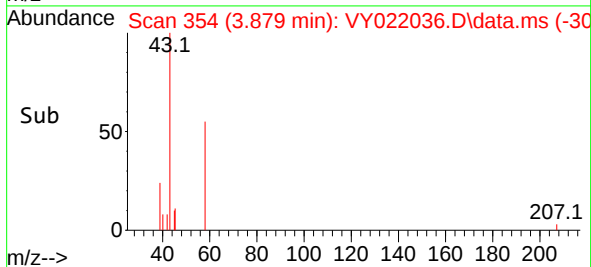
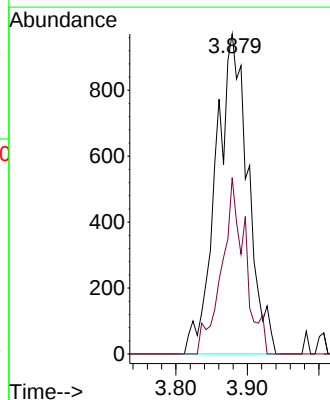
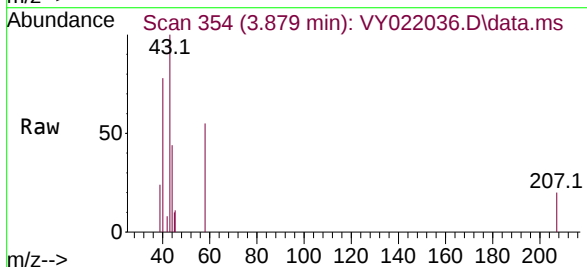
Instrument :
MSVOA_Y
ClientSampleId :
MH-C-VOC

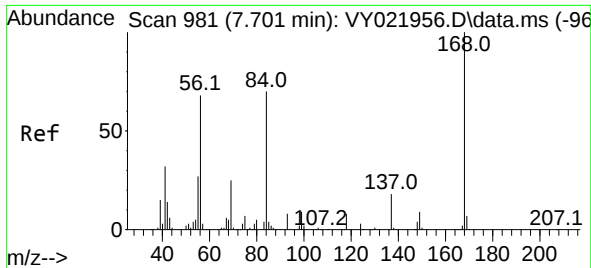
Tgt Ion:168 Resp: 299712
Ion Ratio Lower Upper
168 100
99 54.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022036.D
Acq: 28 Apr 2025 17:02

Tgt Ion: 43 Resp: 3018
Ion Ratio Lower Upper
43 100
58 55.1 27.0 40.4#

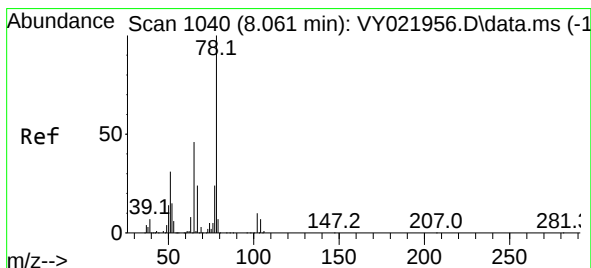
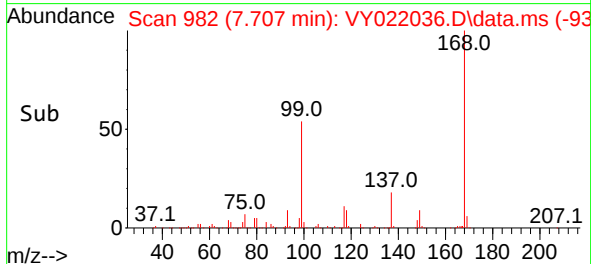
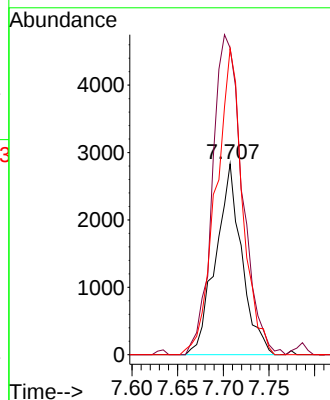
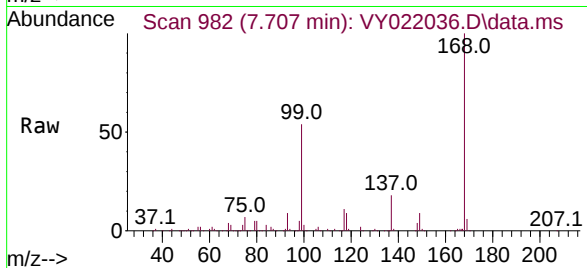




#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022036.D
Acq: 28 Apr 2025 17:02

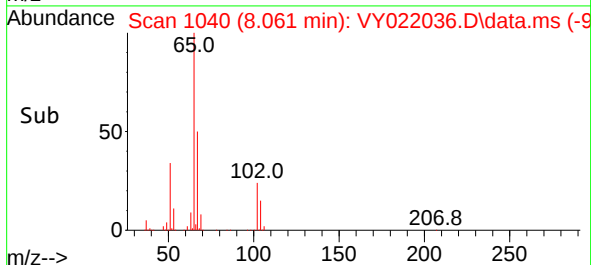
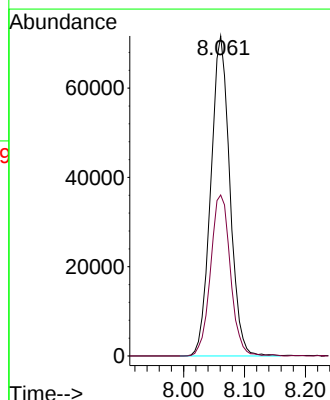
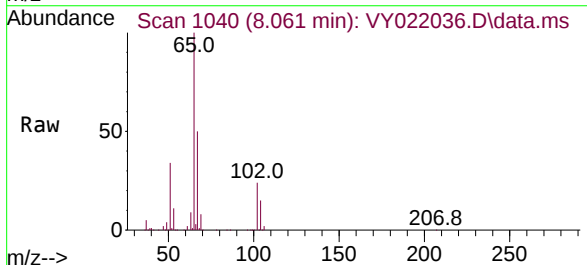
Instrument :
MSVOA_Y
ClientSampleId :
MH-C-VOC

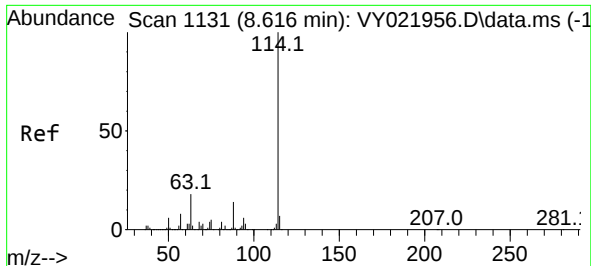
Tgt Ion: 56 Resp: 5618
Ion Ratio Lower Upper
56 100
69 160.7 29.4 44.2#
84 160.3 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 56.171 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022036.D
Acq: 28 Apr 2025 17:02

Tgt Ion: 65 Resp: 155503
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022036.D

Acq: 28 Apr 2025 17:02

Instrument :

MSVOA_Y

ClientSampleId :

MH-C-VOC

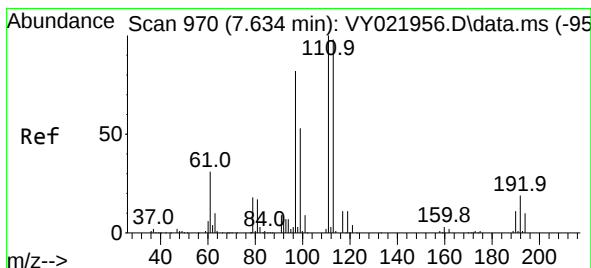
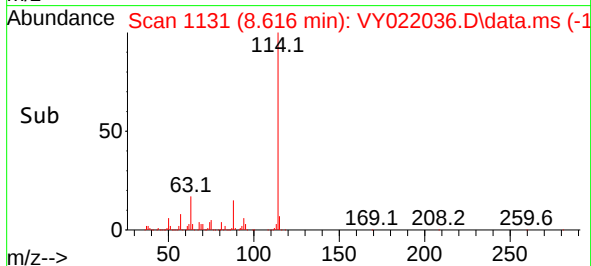
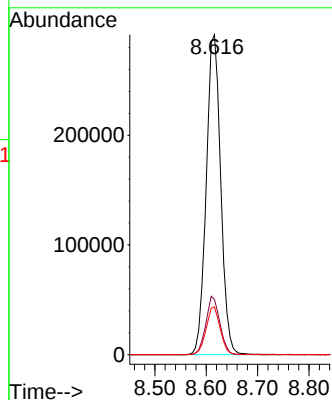
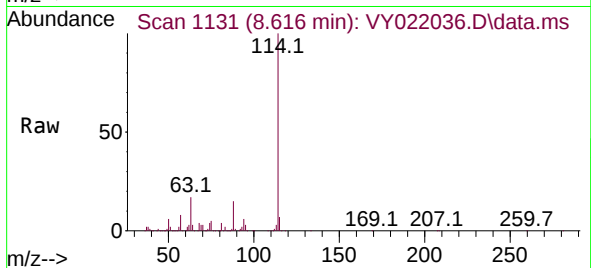
Tgt Ion:114 Resp: 571993

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.4

88 14.9 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.367 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022036.D

Acq: 28 Apr 2025 17:02

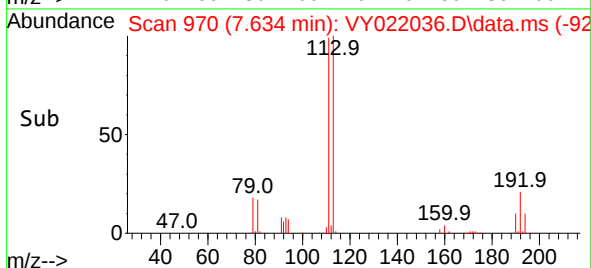
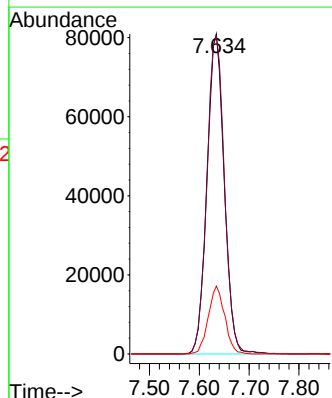
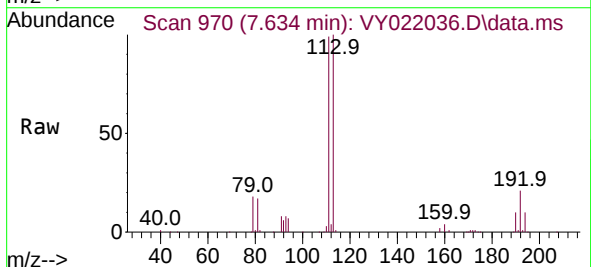
Tgt Ion:113 Resp: 194111

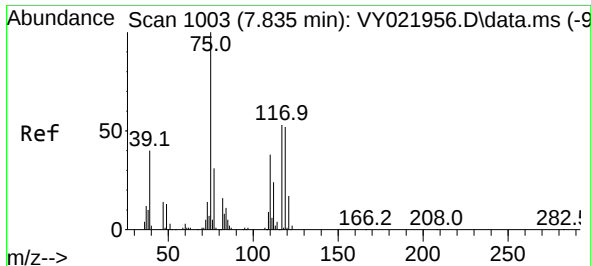
Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

192 20.3 15.6 23.4

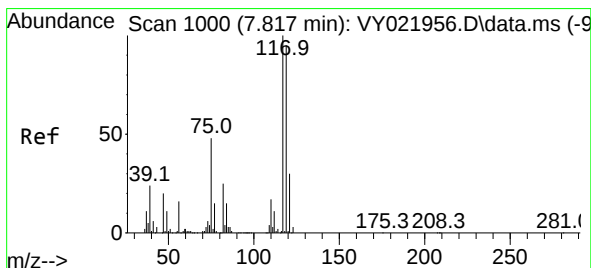
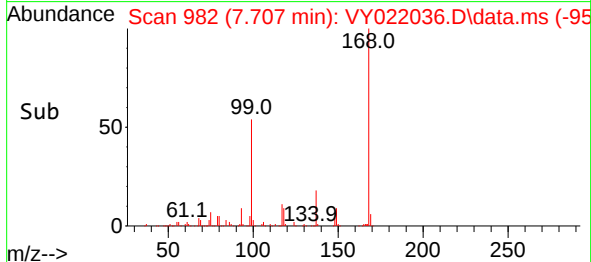
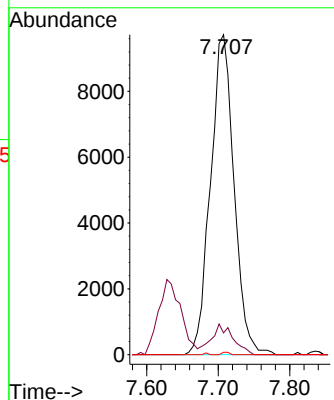
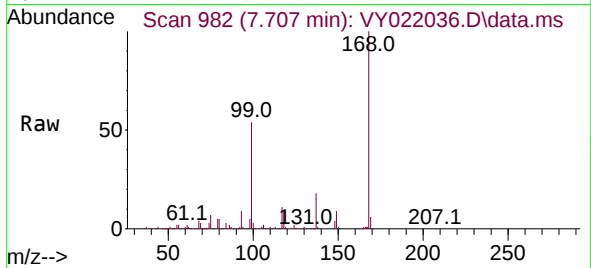




#36
 1,1-Dichloropropene
 Concen: 4.378 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY022036.D
 Acq: 28 Apr 2025 17:02

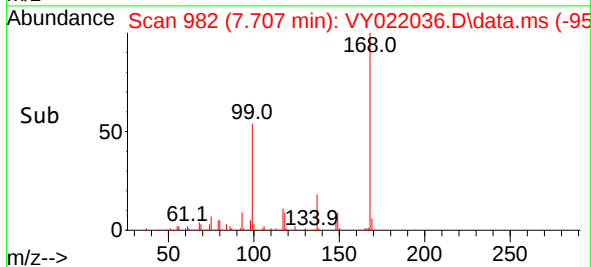
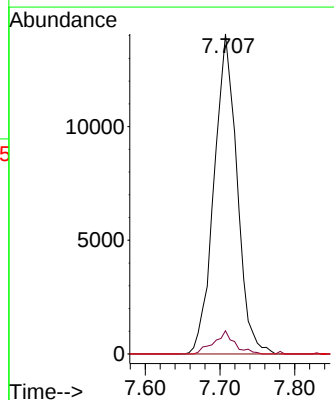
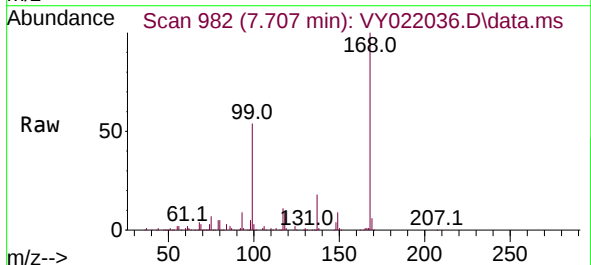
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-C-VOC

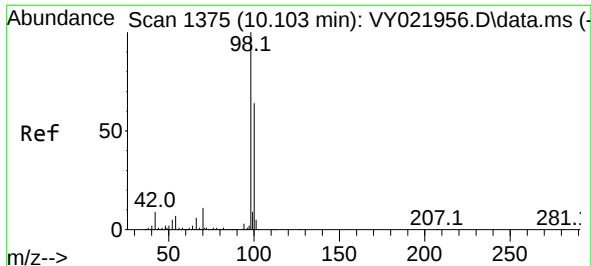
Tgt Ion: 75 Resp: 22224
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.1 57.3#
 77 0.2 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.964 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022036.D
 Acq: 28 Apr 2025 17:02

Tgt Ion: 117 Resp: 30108
 Ion Ratio Lower Upper
 117 100
 119 7.3 76.2 114.4#
 121 0.0 24.0 36.0#

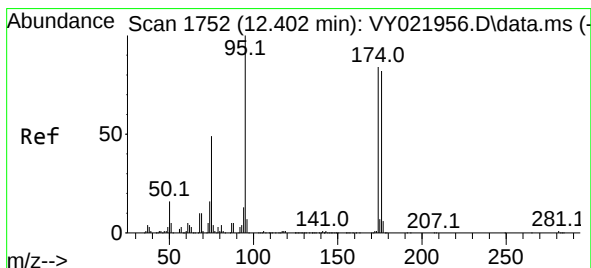
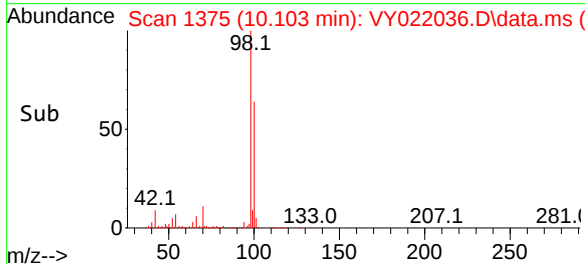
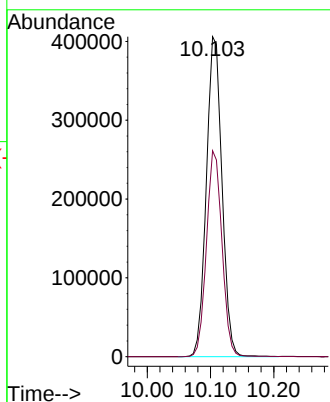
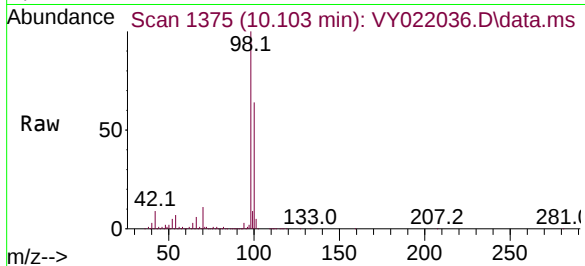




#50
Toluene-d8
Concen: 49.124 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022036.D
Acq: 28 Apr 2025 17:02

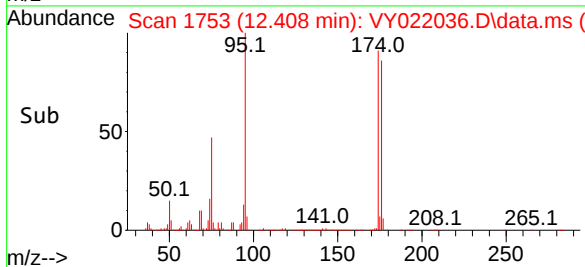
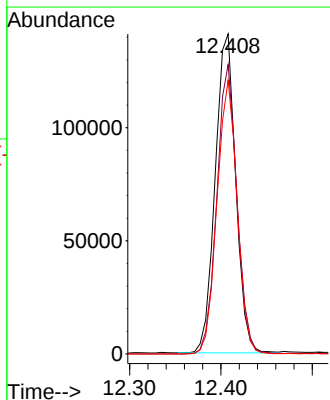
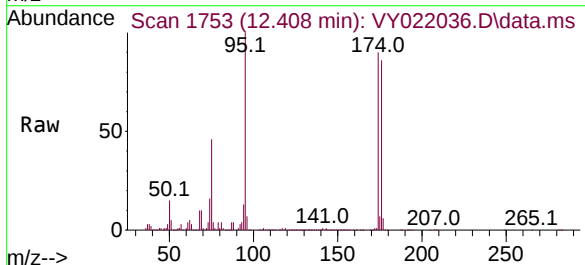
Instrument :
MSVOA_Y
ClientSampleId :
MH-C-VOC

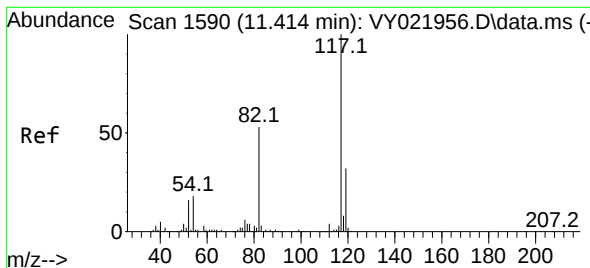
Tgt Ion: 98 Resp: 699839
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 45.879 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022036.D
Acq: 28 Apr 2025 17:02

Tgt Ion: 95 Resp: 220033
Ion Ratio Lower Upper
95 100
174 89.3 0.0 179.0
176 84.3 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY022036.D

Acq: 28 Apr 2025 17:02

Instrument :

MSVOA_Y

ClientSampleId :

MH-C-VOC

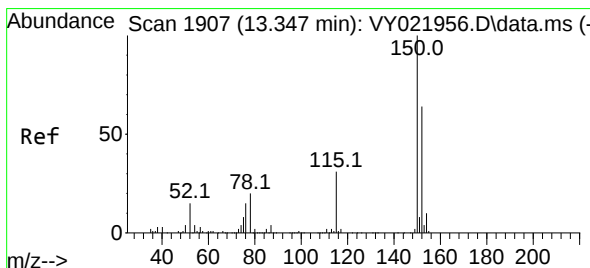
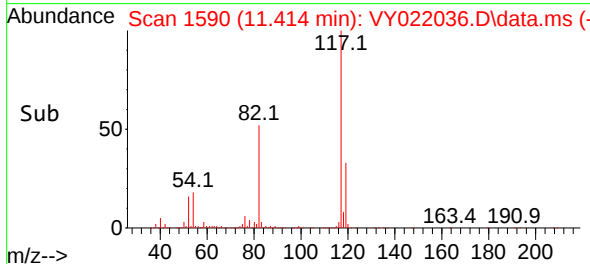
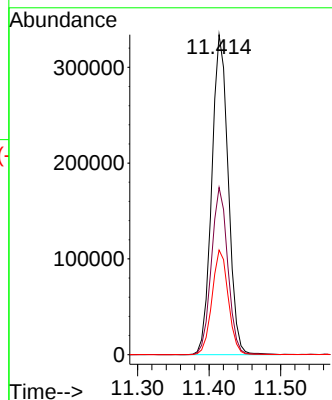
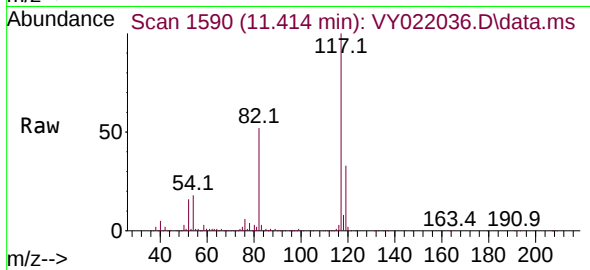
Tgt Ion:117 Resp: 533506

Ion Ratio Lower Upper

117 100

82 52.2 42.1 63.1

119 32.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022036.D

Acq: 28 Apr 2025 17:02

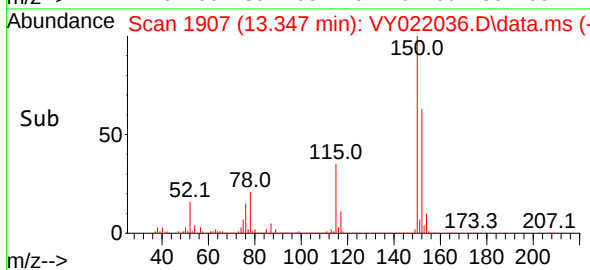
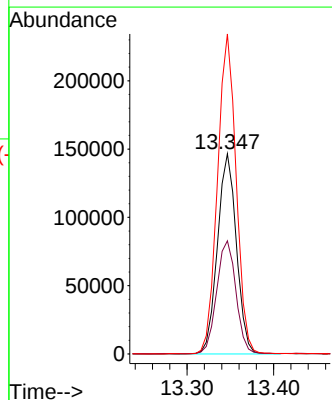
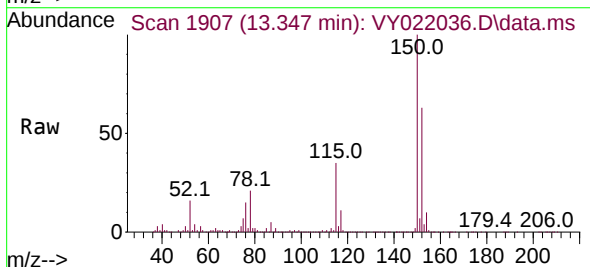
Tgt Ion:152 Resp: 222901

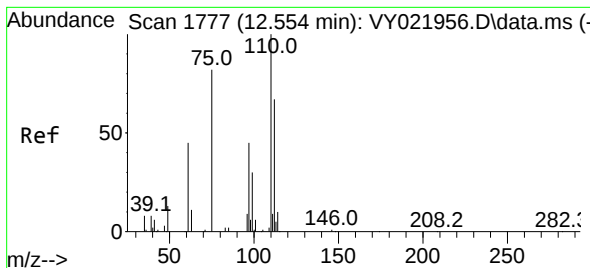
Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 157.1 0.0 345.6

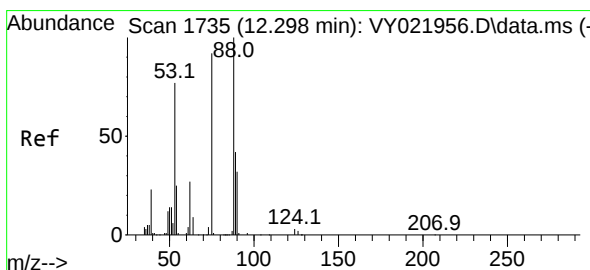
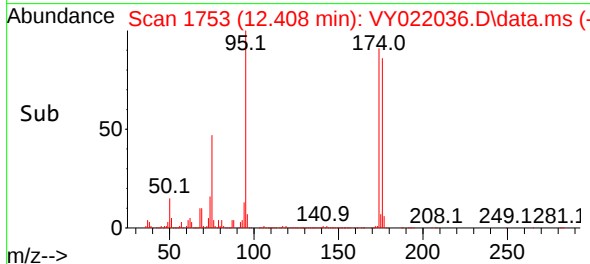
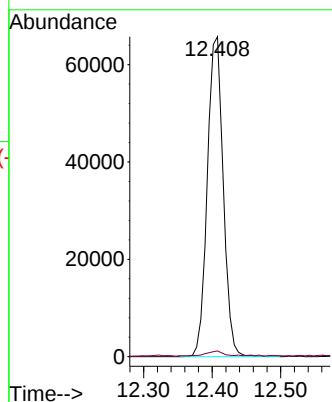
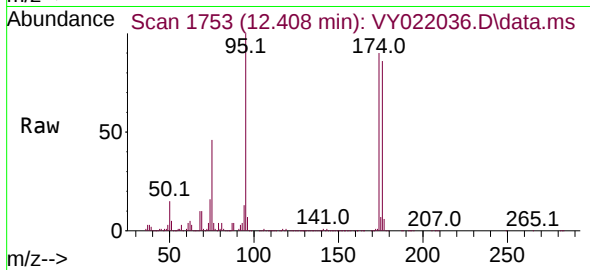




#76
1,2,3-Trichloropropane
Concen: 55.660 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY022036.D
Acq: 28 Apr 2025 17:02

Instrument :
MSVOA_Y
ClientSampleId :
MH-C-VOC

Tgt Ion: 75 Resp: 106269
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.037 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY022036.D
Acq: 28 Apr 2025 17:02

Tgt Ion: 75 Resp: 106269
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.1 37.2 55.8#

