

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022077.D
 Acq On : 30 Apr 2025 12:47
 Operator : SY/MD
 Sample : Q1912-03
 Misc : 4.57g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-E-VOC

Quant Time: May 01 01:34:53 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)

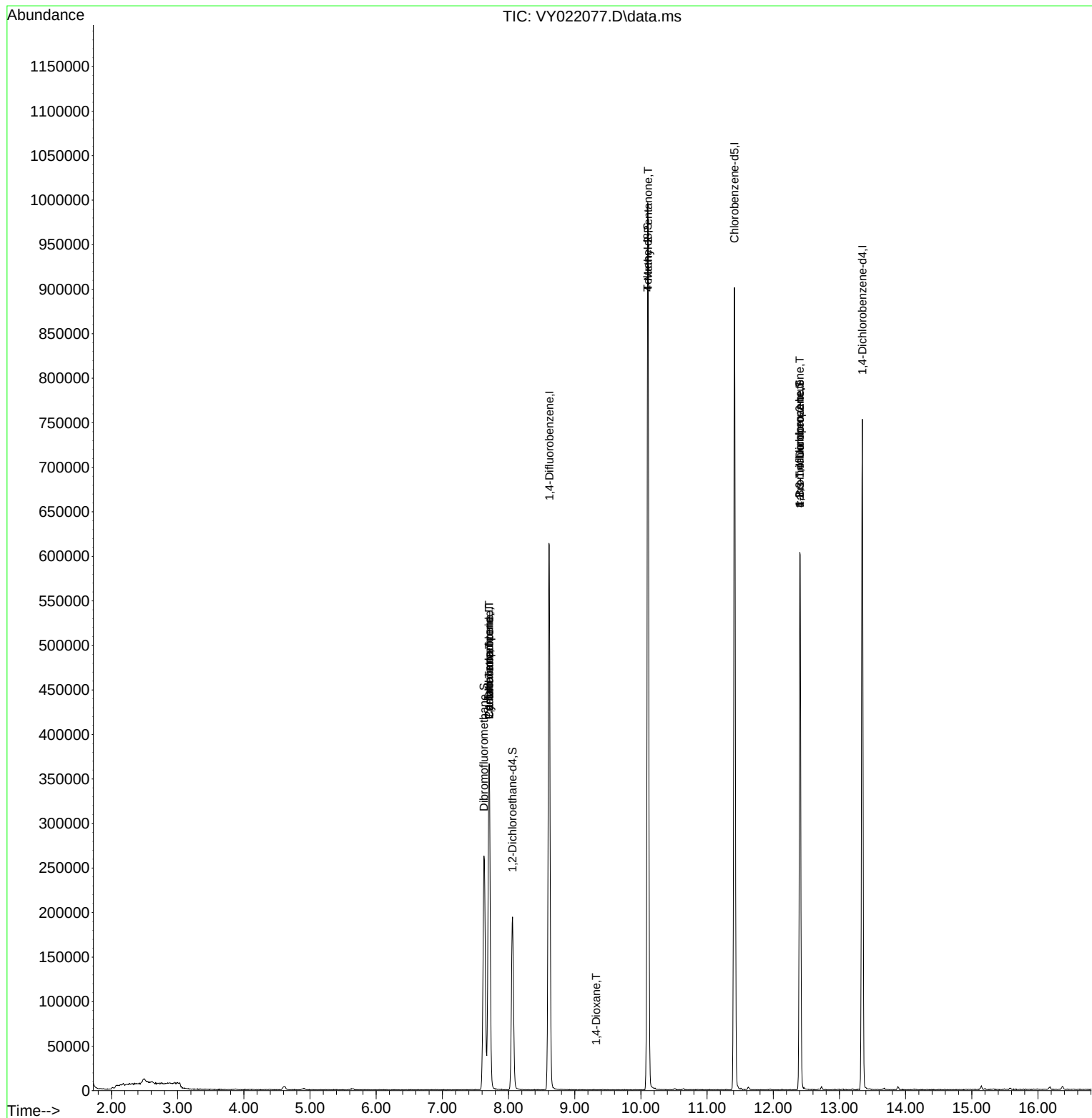
Internal Standards						
1) Pentafluorobenzene	7.707	168	295681	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	555348	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	508252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	150418	55.075	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.140%	
35) Dibromofluoromethane	7.628	113	192542	52.479	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.960%	
50) Toluene-d8	10.103	98	671577	48.553	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.100%	
62) 4-Bromofluorobenzene	12.402	95	190481	40.908	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.820%	
Target Compounds						Qvalue
16) Acetone	3.873	43	1030	Below Cal	94	
31) Cyclohexane	7.707	56	5499	1.218	ug/l #	11
36) 1,1-Dichloropropene	7.707	75	22268	4.518	ug/l #	47
38) Carbon Tetrachloride	7.707	117	28454	4.832	ug/l #	17
49) 1,4-Dioxane	9.323	88	32	1.408	ug/l #	24
51) 4-Methyl-2-Pentanone	10.109	43	2192	1.230	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	91451	53.949	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	91451	129.917	ug/l #	16

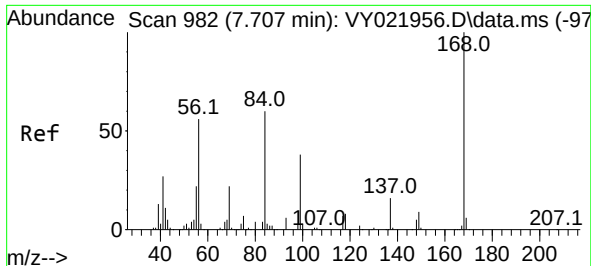
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
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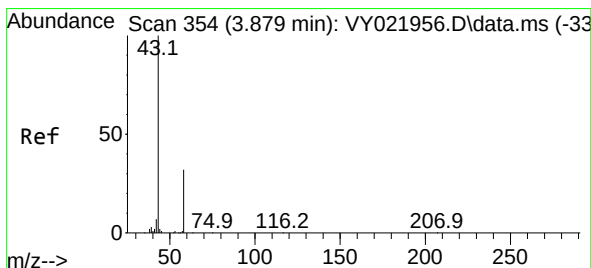
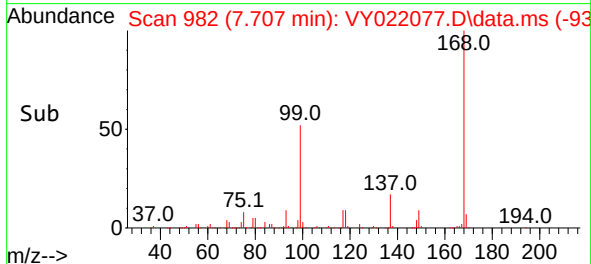
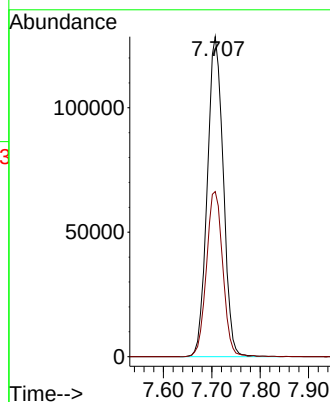
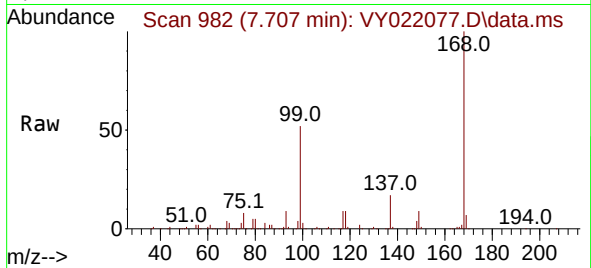




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

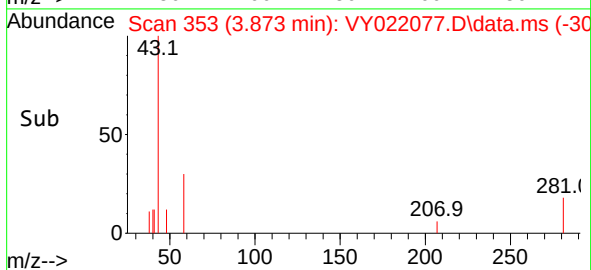
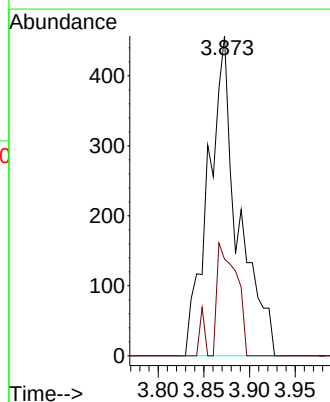
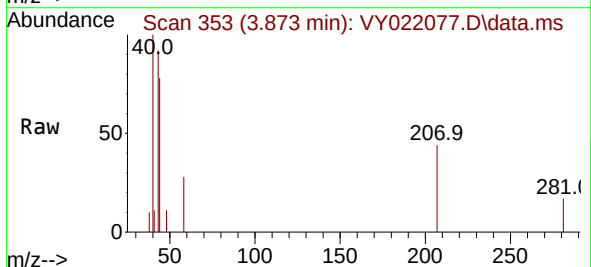
Instrument :
MSVOA_Y
ClientSampleId :
MH-E-VOC

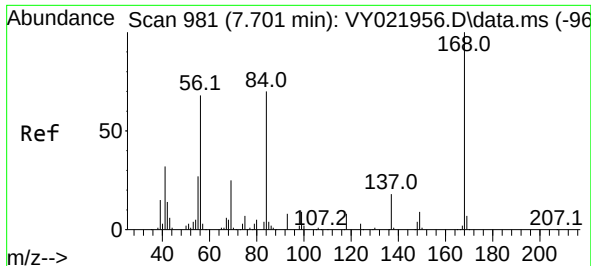
Tgt Ion:168 Resp: 295681
Ion Ratio Lower Upper
168 100
99 51.6 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

Tgt Ion: 43 Resp: 1030
Ion Ratio Lower Upper
43 100
58 30.2 27.0 40.4

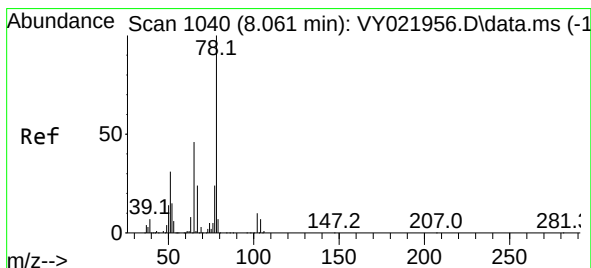
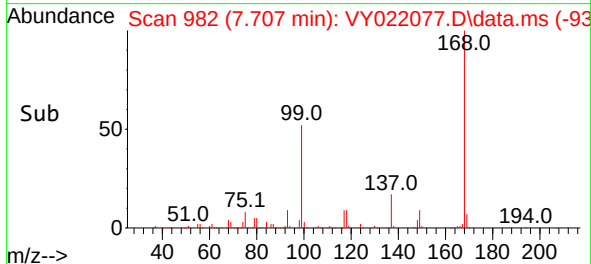
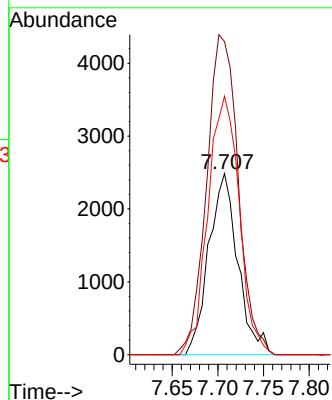
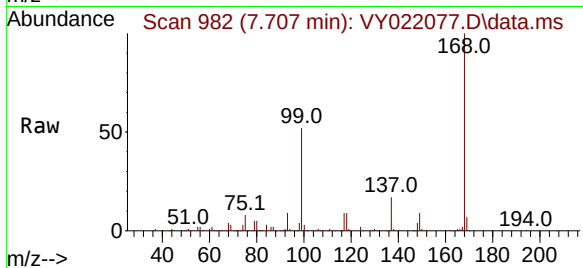




#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

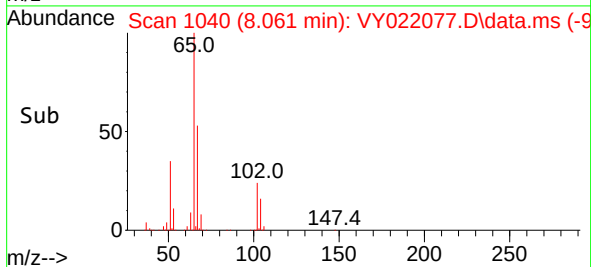
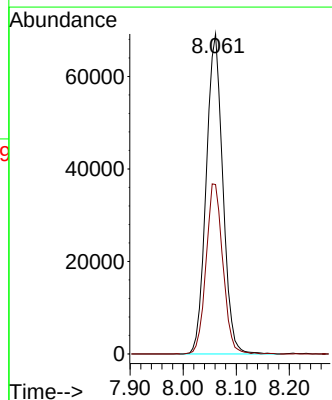
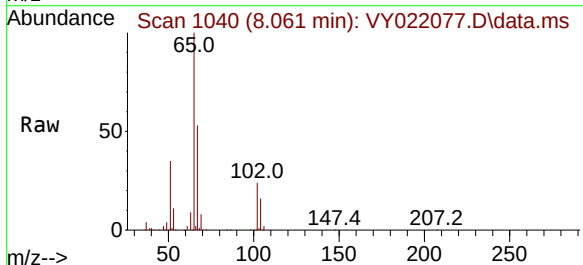
Instrument :
MSVOA_Y
ClientSampleId :
MH-E-VOC

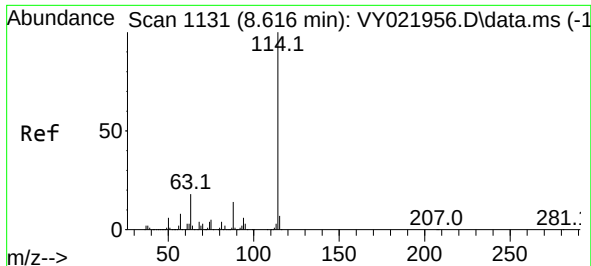
Tgt Ion: 56 Resp: 5499
Ion Ratio Lower Upper
56 100
69 172.8 29.4 44.2#
84 142.7 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 55.075 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

Tgt Ion: 65 Resp: 150418
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.8

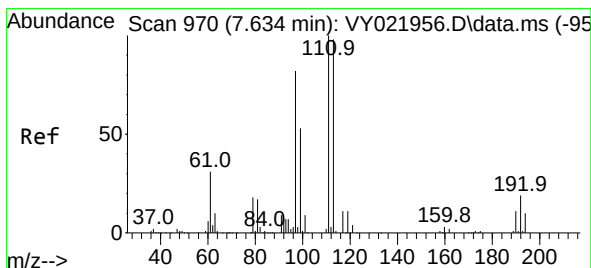
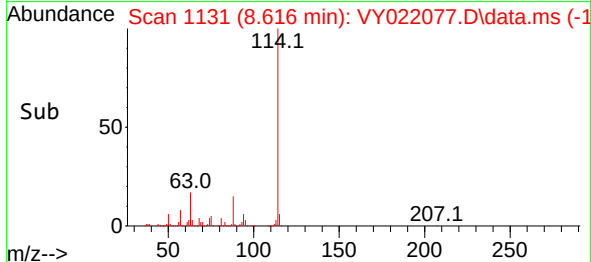
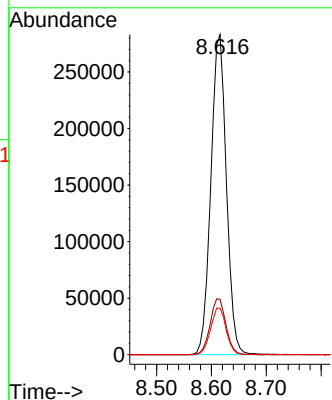
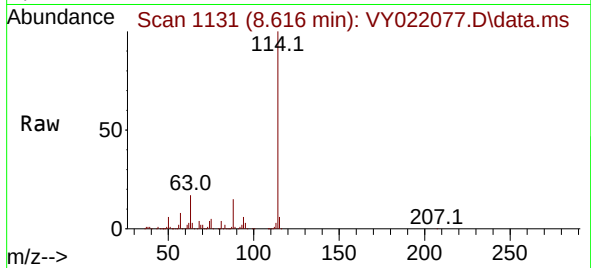




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

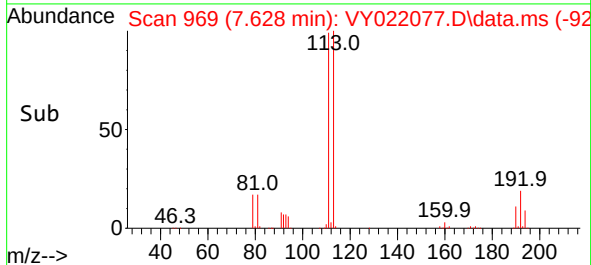
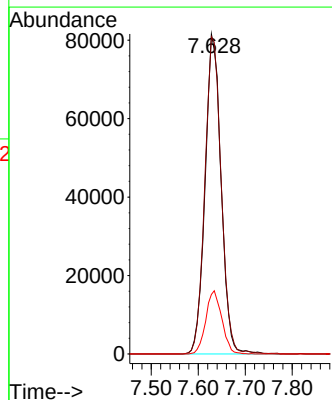
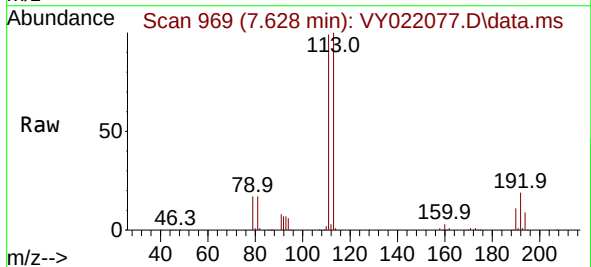
Instrument :
MSVOA_Y
ClientSampleId :
MH-E-VOC

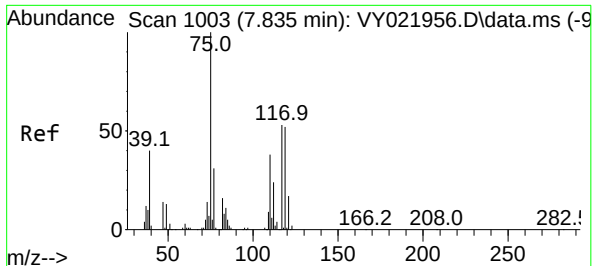
Tgt Ion:114 Resp: 555348
Ion Ratio Lower Upper
114 100
63 17.3 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 52.479 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

Tgt Ion:113 Resp: 192542
Ion Ratio Lower Upper
113 100
111 101.1 81.8 122.8
192 19.8 15.6 23.4

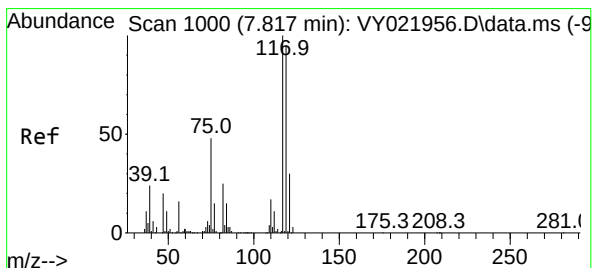
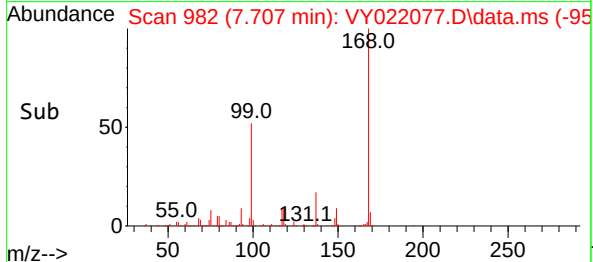
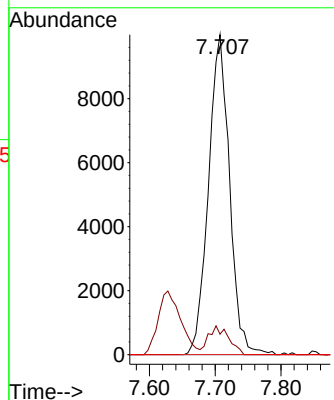
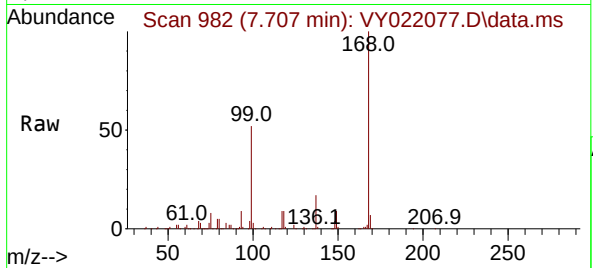




#36
 1,1-Dichloropropene
 Concen: 4.518 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY022077.D
 Acq: 30 Apr 2025 12:47

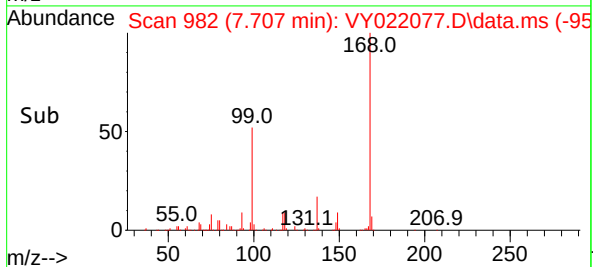
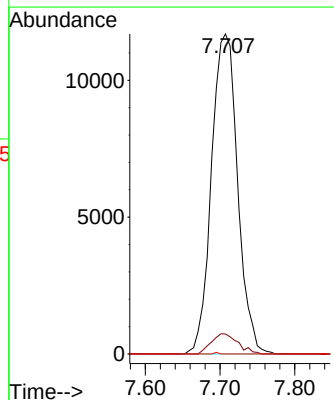
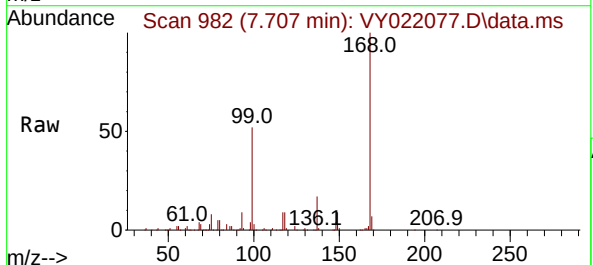
Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-E-VOC

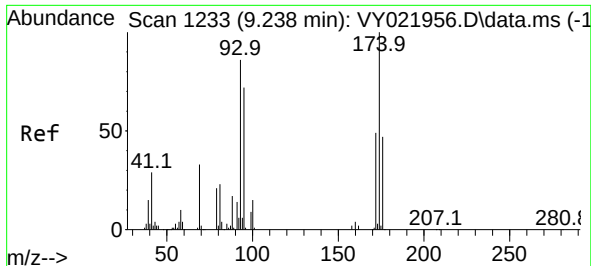
Tgt Ion: 75 Resp: 22268
 Ion Ratio Lower Upper
 75 100
 110 8.6 19.1 57.3#
 77 0.0 25.5 38.3#



#38
 Carbon Tetrachloride
 Concen: 4.832 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.110 min
 Lab File: VY022077.D
 Acq: 30 Apr 2025 12:47

Tgt Ion: 117 Resp: 28454
 Ion Ratio Lower Upper
 117 100
 119 6.2 76.2 114.4#
 121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.408 ug/l

RT: 9.323 min Scan# 1

Delta R.T. 0.085 min

Lab File: VY022077.D

Acq: 30 Apr 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

MH-E-VOC

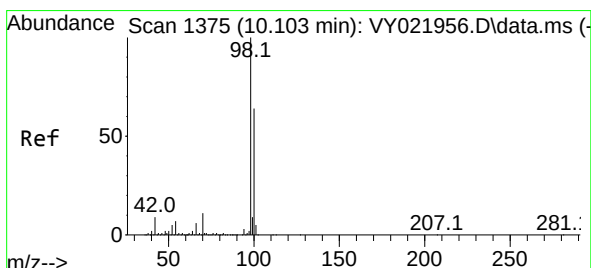
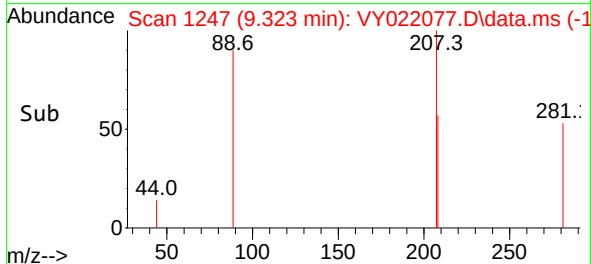
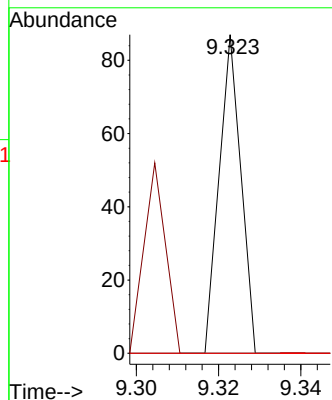
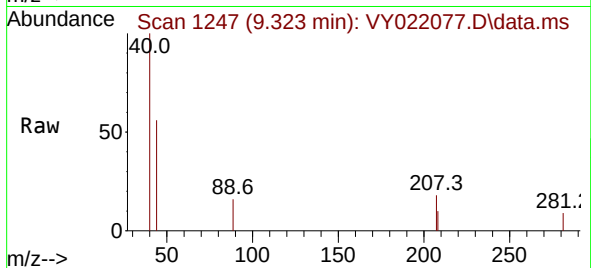
Tgt Ion: 88 Resp: 32

Ion Ratio Lower Upper

88 100

43 59.4 21.3 31.9#

58 0.0 50.5 75.7#



#50

Toluene-d8

Concen: 48.553 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022077.D

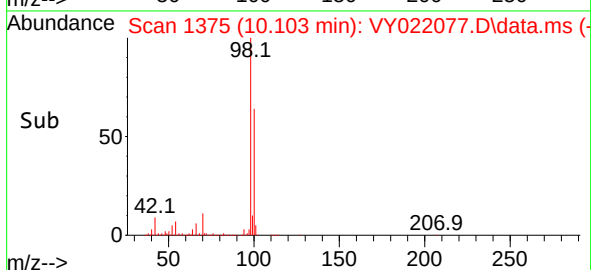
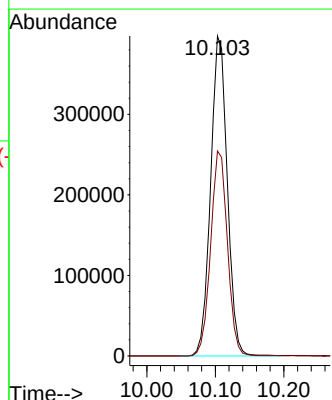
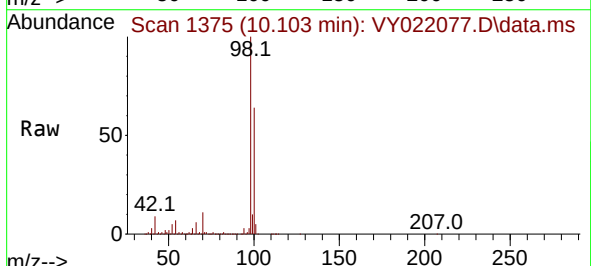
Acq: 30 Apr 2025 12:47

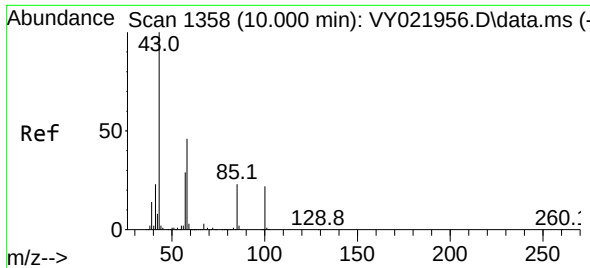
Tgt Ion: 98 Resp: 671577

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4

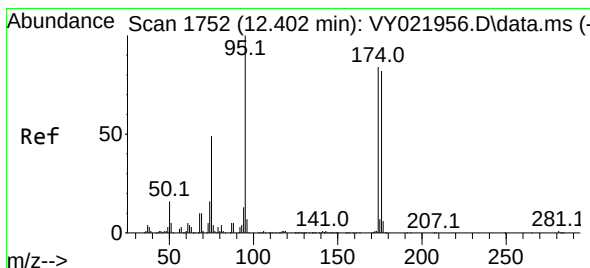
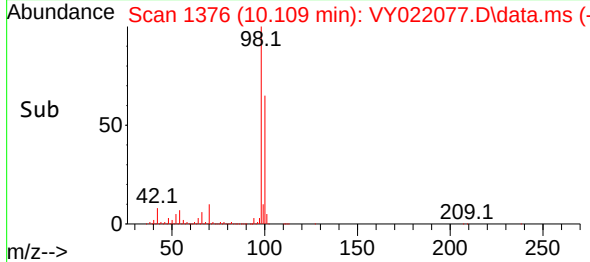
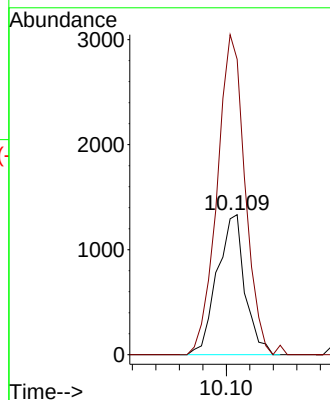
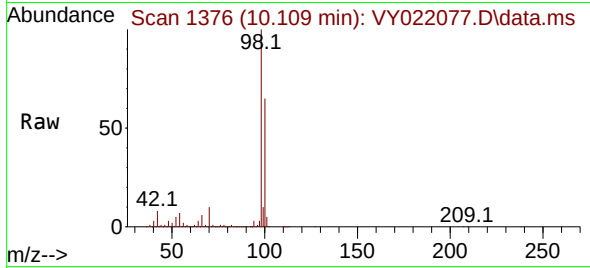




#51
4-Methyl-2-Pentanone
Concen: 1.230 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

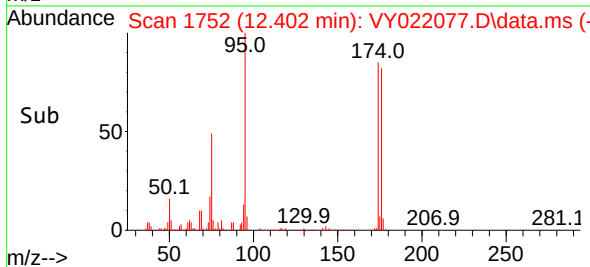
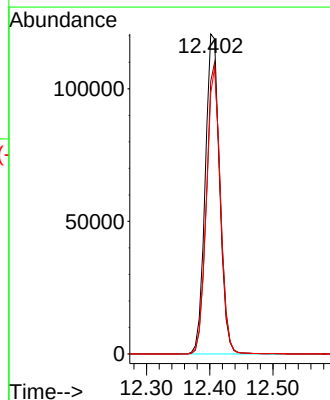
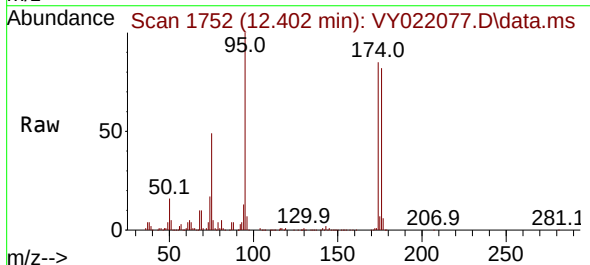
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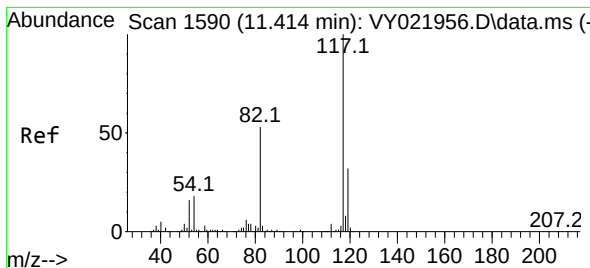
Tgt Ion: 43 Resp: 2192
Ion Ratio Lower Upper
43 100
58 230.4 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 40.908 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

Tgt Ion: 95 Resp: 190481
Ion Ratio Lower Upper
95 100
174 88.4 0.0 179.0
176 86.9 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: VY022077.D

Acq: 30 Apr 2025 12:47

Instrument :

MSVOA_Y

ClientSampleId :

MH-E-VOC

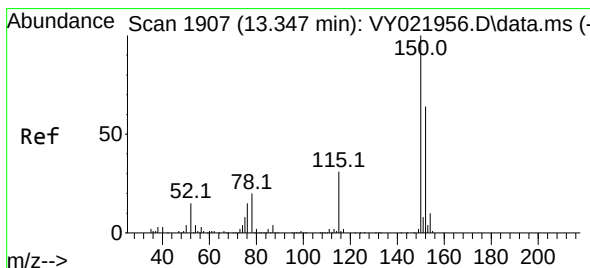
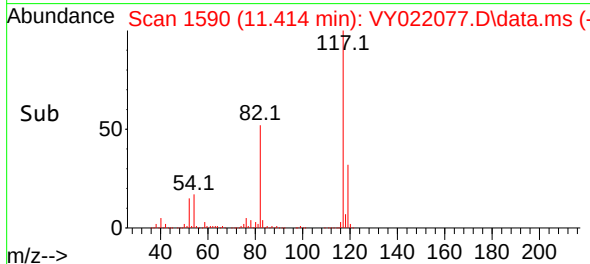
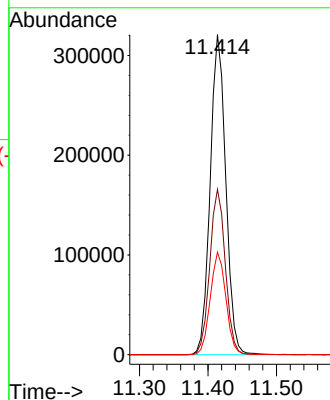
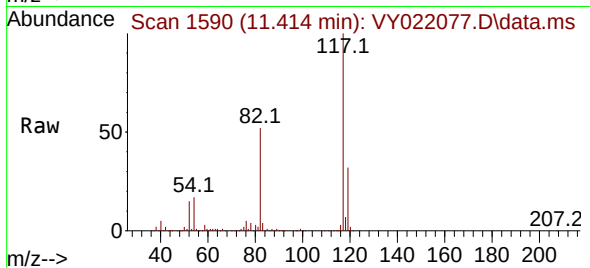
Tgt Ion:117 Resp: 508252

Ion Ratio Lower Upper

117 100

82 51.6 42.1 63.1

119 32.0 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022077.D

Acq: 30 Apr 2025 12:47

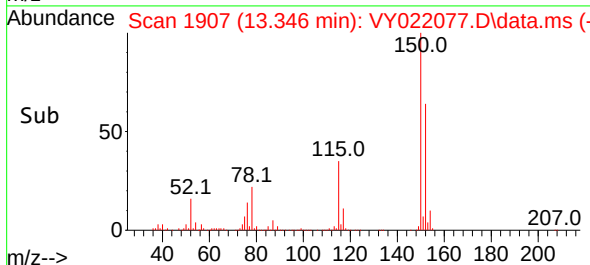
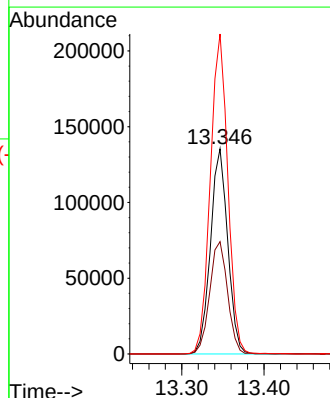
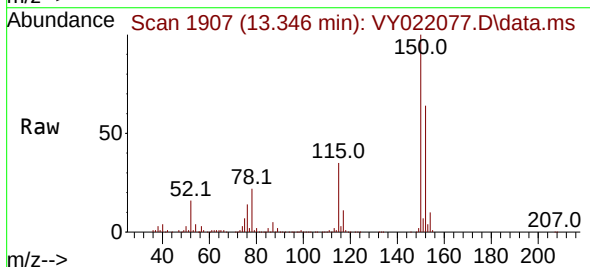
Tgt Ion:152 Resp: 197903

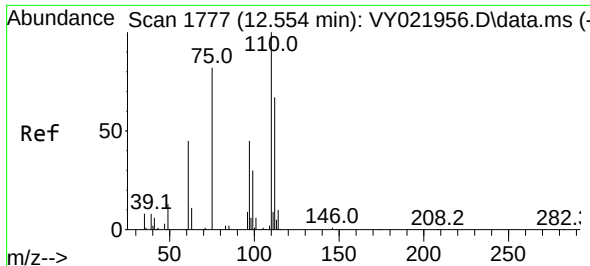
Ion Ratio Lower Upper

152 100

115 56.8 28.0 84.0

150 157.7 0.0 345.6

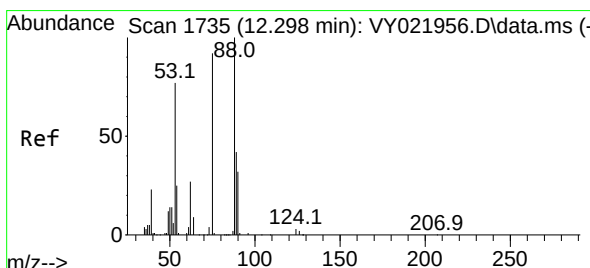
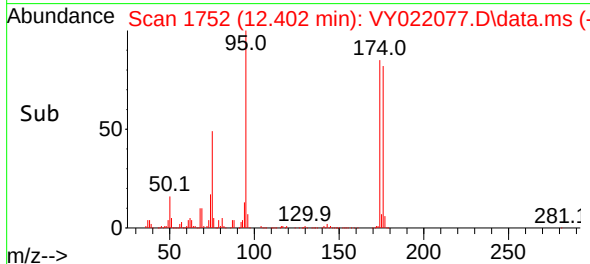
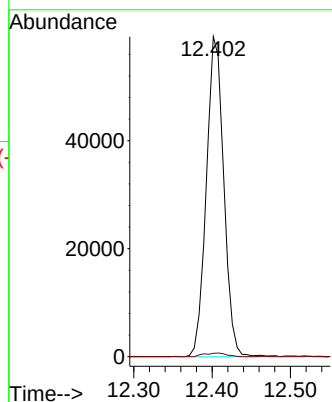
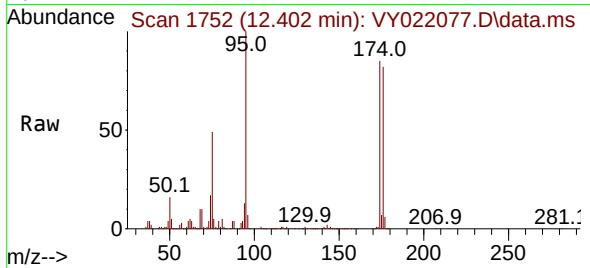




#76
1,2,3-Trichloropropane
Concen: 53.949 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

Instrument :
MSVOA_Y
ClientSampleId :
MH-E-VOC

Tgt Ion: 75 Resp: 91451
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.917 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY022077.D
Acq: 30 Apr 2025 12:47

Tgt Ion: 75 Resp: 91451
Ion Ratio Lower Upper
75 100
53 0.2 66.0 99.0#
89 0.0 37.2 55.8#

