

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042925\
 Data File : VY022054.D
 Acq On : 29 Apr 2025 14:19
 Operator : SY/MD
 Sample : Q1892-07
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-H-VOC

Quant Time: Apr 30 01:33:59 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)

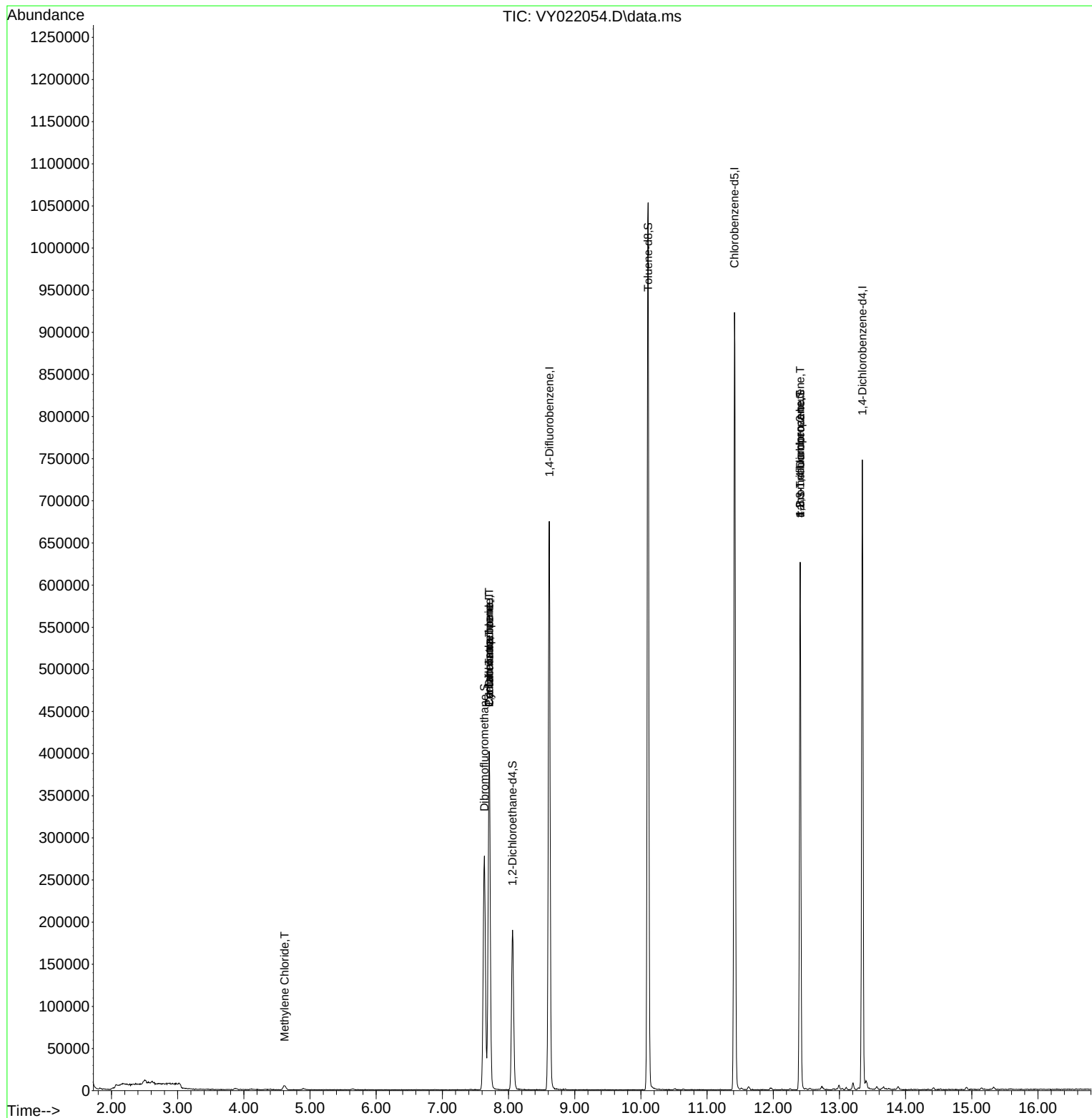
Internal Standards						
1) Pentafluorobenzene	7.707	168	314003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	596908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	526127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	197679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	149727	51.623	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.240%	
35) Dibromofluoromethane	7.634	113	198867	50.429	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.860%	
50) Toluene-d8	10.109	98	709413	47.717	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.440%	
62) 4-Bromofluorobenzene	12.407	95	194003	38.763	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 77.520%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	3150	Below Cal		91
20) Methylene Chloride	4.616	84	4002	1.091	ug/l	98
31) Cyclohexane	7.707	56	5698	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22634	4.273	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30402	4.803	ug/l #	17
76) 1,2,3-Trichloropropane	12.407	75	93449	55.190	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	93449	132.906	ug/l #	16

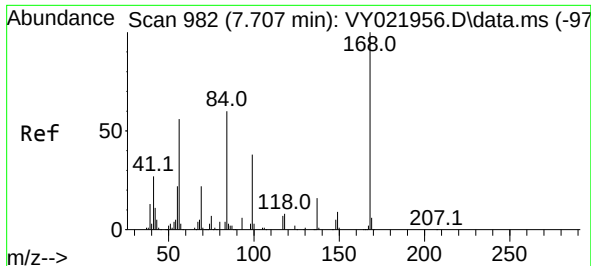
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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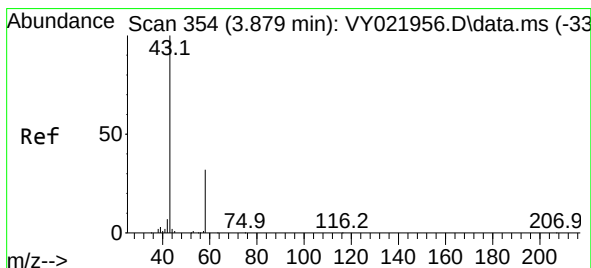
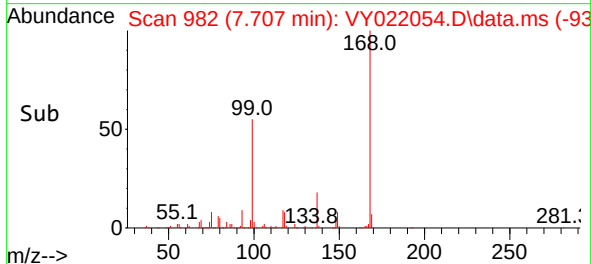
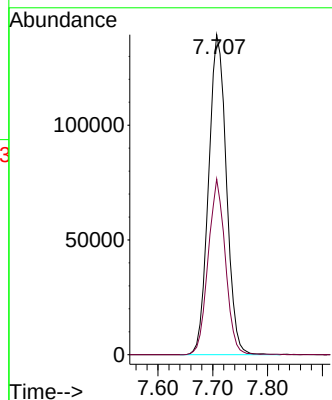
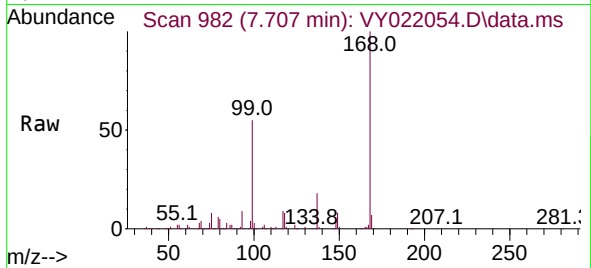




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022054.D
Acq: 29 Apr 2025 14:19

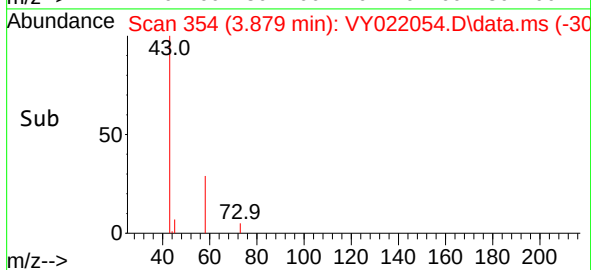
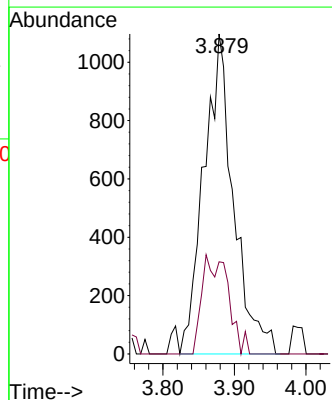
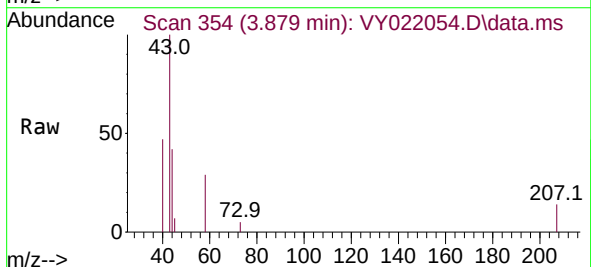
Instrument :
MSVOA_Y
ClientSampleId :
MH-H-VOC

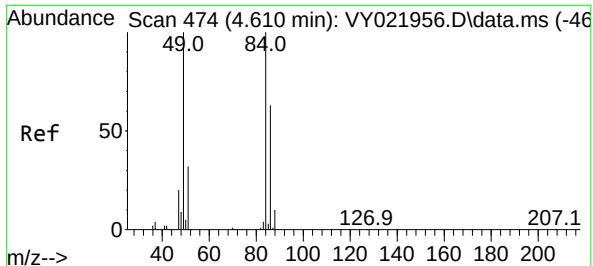
Tgt Ion:168 Resp: 314003
Ion Ratio Lower Upper
168 100
99 54.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022054.D
Acq: 29 Apr 2025 14:19

Tgt Ion: 43 Resp: 3150
Ion Ratio Lower Upper
43 100
58 28.8 27.0 40.4





#20

Methylene Chloride

Concen: 1.091 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY022054.D

Acq: 29 Apr 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-H-VOC

Tgt Ion: 84 Resp: 4002

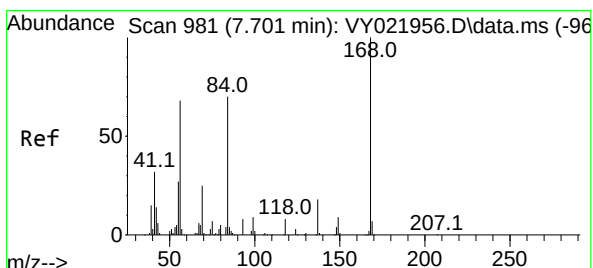
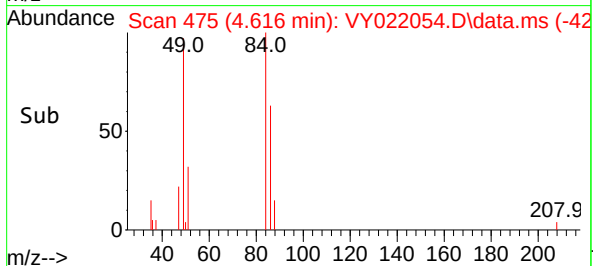
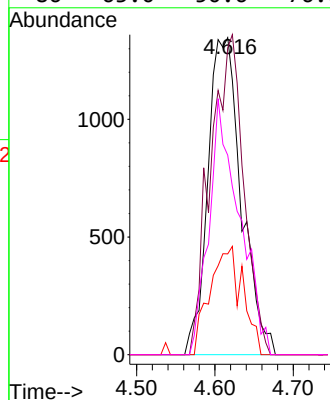
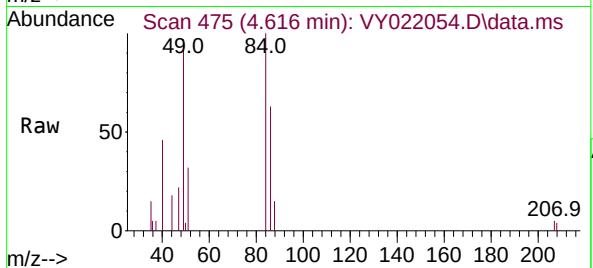
Ion Ratio Lower Upper

84 100

49 96.8 79.9 119.9

51 31.8 25.4 38.0

86 63.0 50.6 76.0



#31

Cyclohexane

Concen: 1.188 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY022054.D

Acq: 29 Apr 2025 14:19

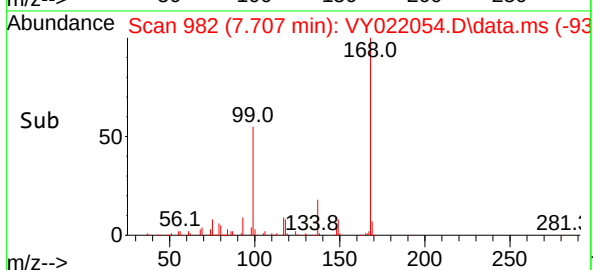
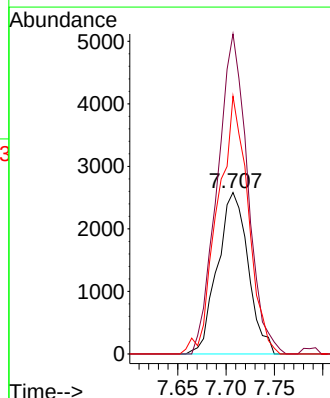
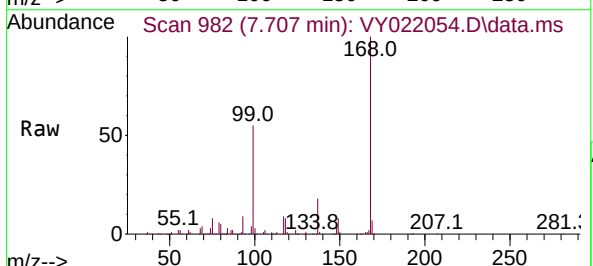
Tgt Ion: 56 Resp: 5698

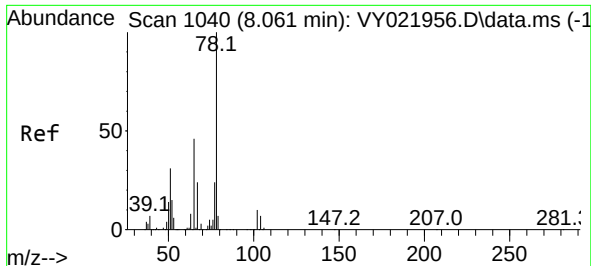
Ion Ratio Lower Upper

56 100

69 198.3 29.4 44.2#

84 159.7 82.2 123.4#





#33

1,2-Dichloroethane-d4

Concen: 51.623 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022054.D

Acq: 29 Apr 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

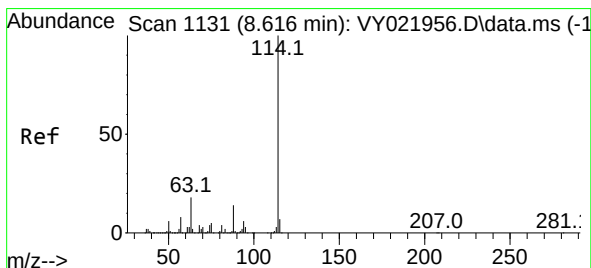
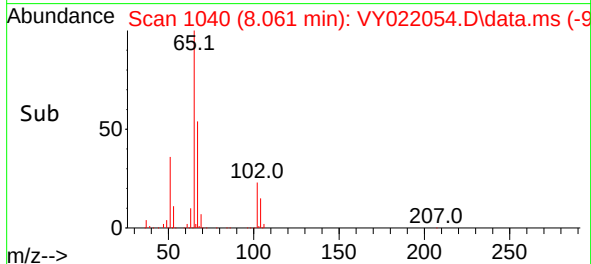
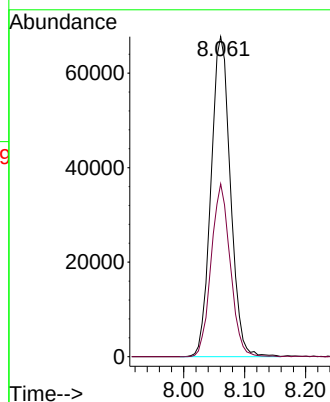
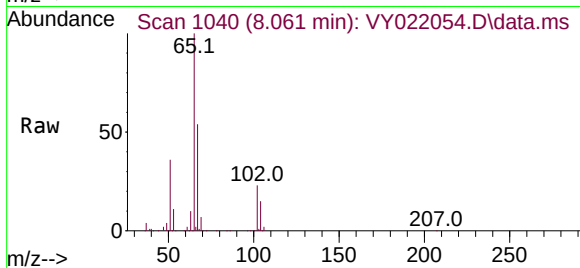
MH-H-VOC

Tgt Ion: 65 Resp: 149727

Ion Ratio Lower Upper

65 100

67 53.1 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022054.D

Acq: 29 Apr 2025 14:19

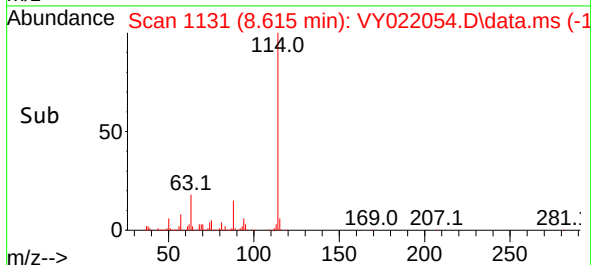
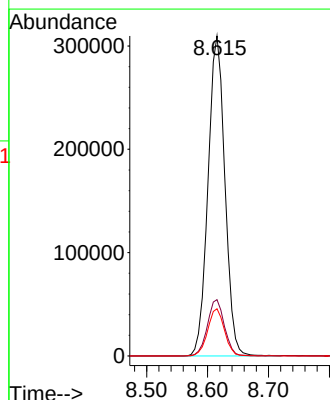
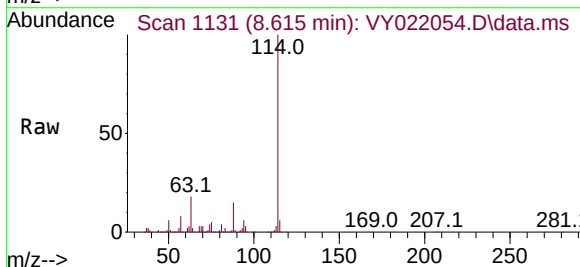
Tgt Ion: 114 Resp: 596908

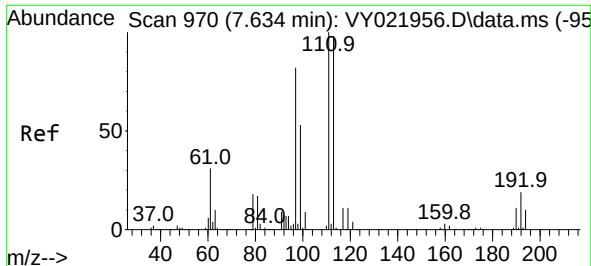
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 14.8 0.0 28.2

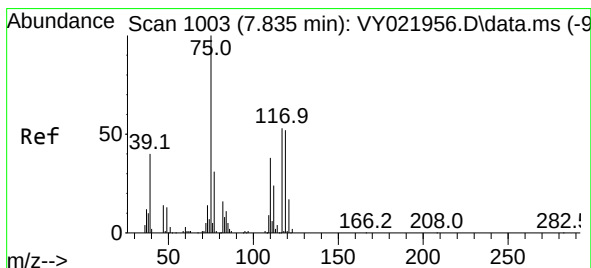
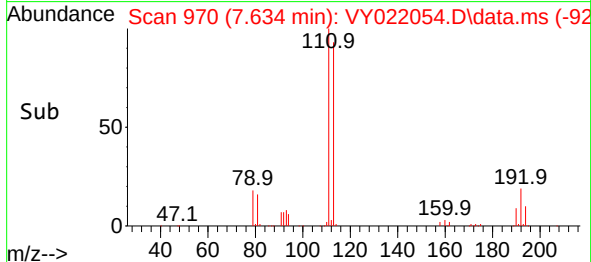
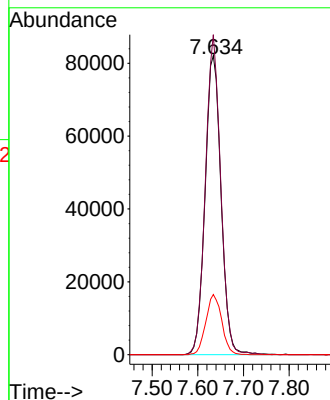
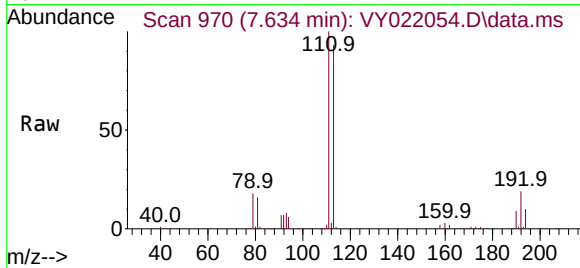




#35
Dibromofluoromethane
Concen: 50.429 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY022054.D
Acq: 29 Apr 2025 14:19

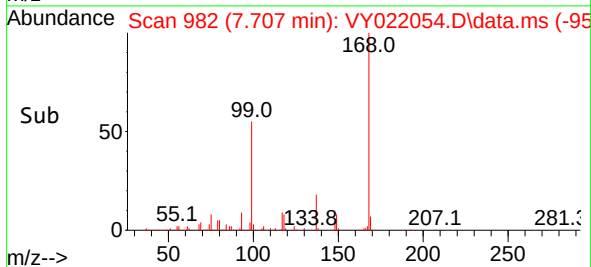
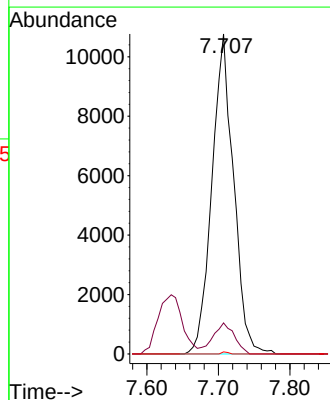
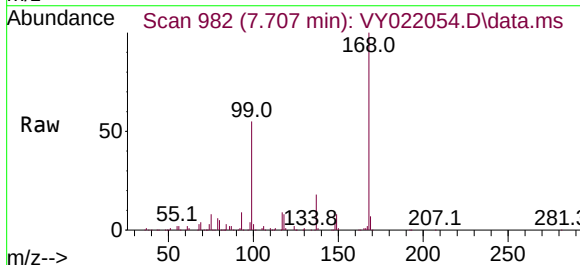
Instrument :
MSVOA_Y
ClientSampleId :
MH-H-VOC

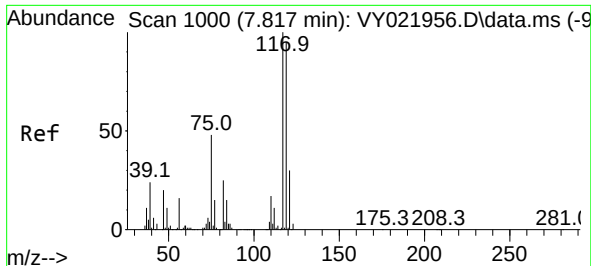
Tgt Ion:113 Resp: 198867
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 20.0 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.273 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022054.D
Acq: 29 Apr 2025 14:19

Tgt Ion: 75 Resp: 22634
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.2 25.5 38.3#

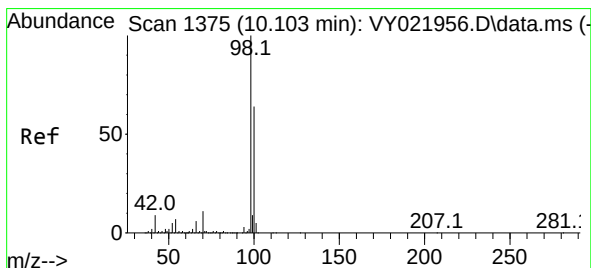
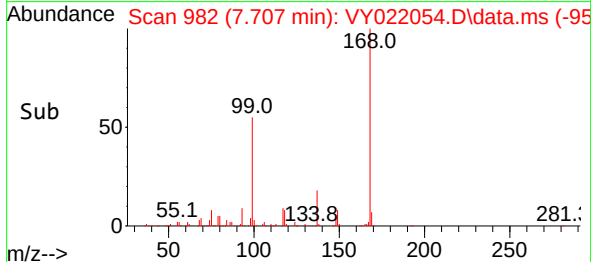
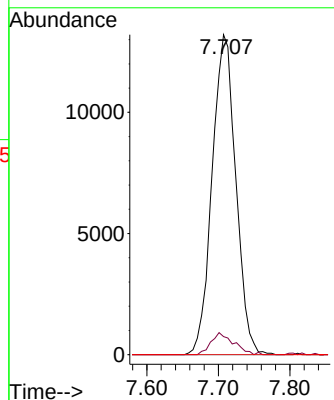
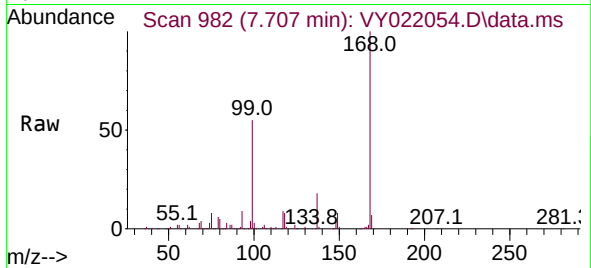




#38
Carbon Tetrachloride
Concen: 4.803 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY022054.D
Acq: 29 Apr 2025 14:19

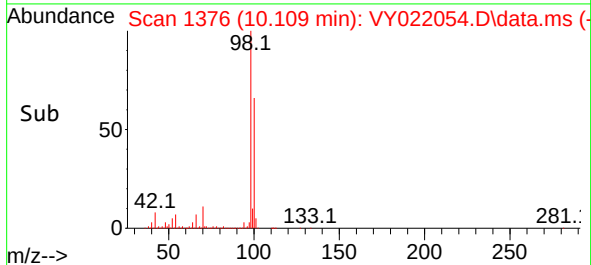
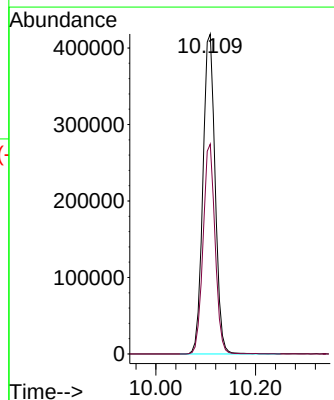
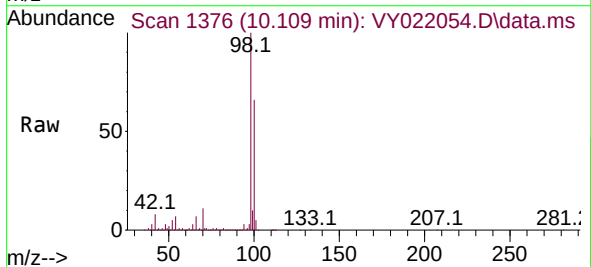
Instrument :
MSVOA_Y
ClientSampleId :
MH-H-VOC

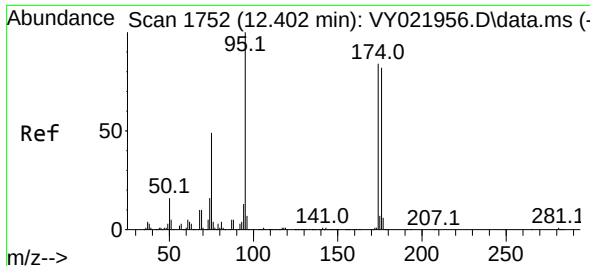
Tgt Ion:117 Resp: 30402
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.717 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022054.D
Acq: 29 Apr 2025 14:19

Tgt Ion: 98 Resp: 709413
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

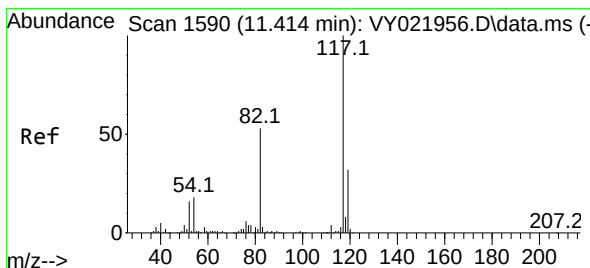
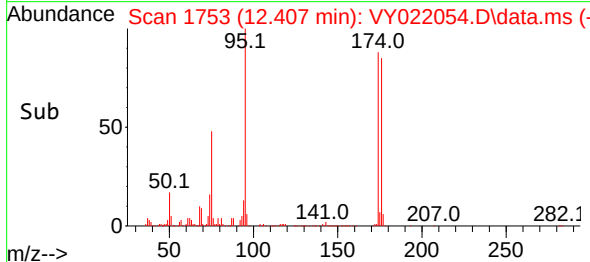
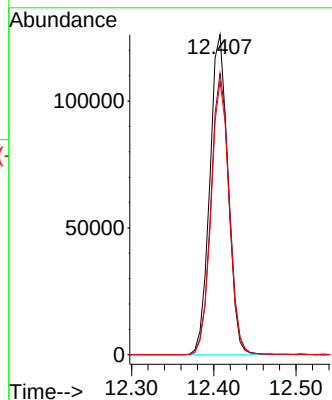
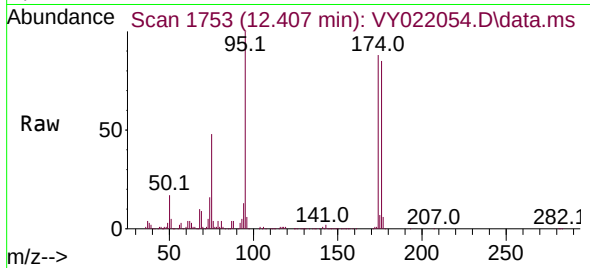




#62
4-Bromofluorobenzene
Concen: 38.763 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022054.D
Acq: 29 Apr 2025 14:19

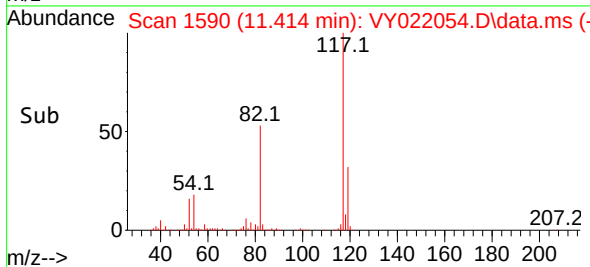
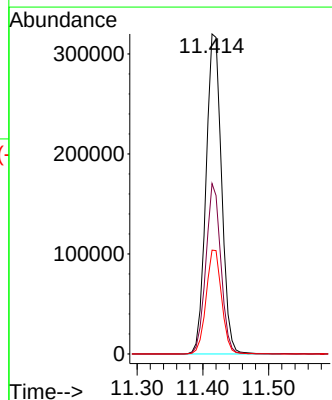
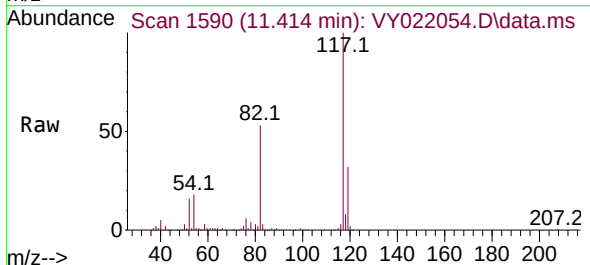
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MSVOA_Y
ClientSampleId :
MH-H-VOC

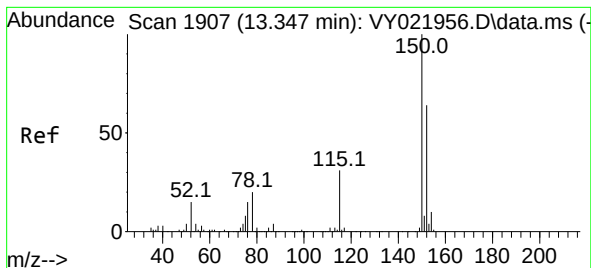
Tgt Ion: 95 Resp: 194003
Ion Ratio Lower Upper
95 100
174 88.8 0.0 179.0
176 85.3 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022054.D
Acq: 29 Apr 2025 14:19

Tgt Ion: 117 Resp: 526127
Ion Ratio Lower Upper
117 100
82 53.2 42.1 63.1
119 32.4 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: VY022054.D

Acq: 29 Apr 2025 14:19

Instrument :

MSVOA_Y

ClientSampleId :

MH-H-VOC

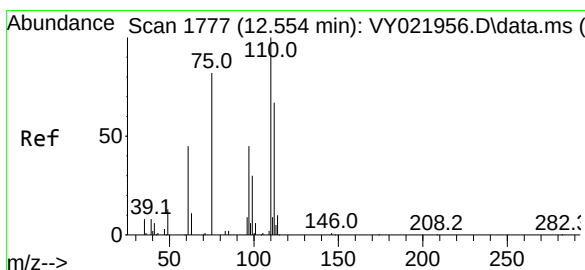
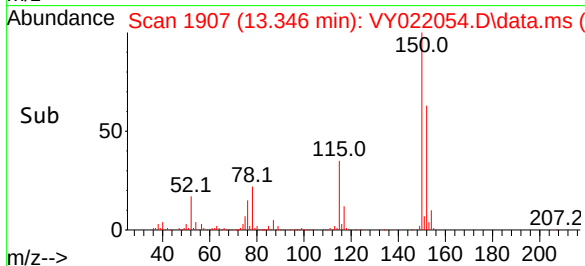
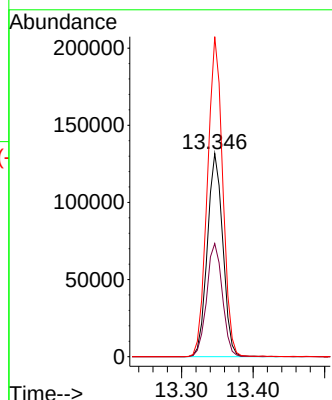
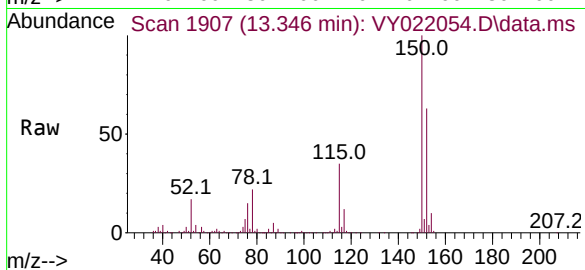
Tgt Ion:152 Resp: 197679

Ion Ratio Lower Upper

152 100

115 56.6 28.0 84.0

150 156.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.190 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022054.D

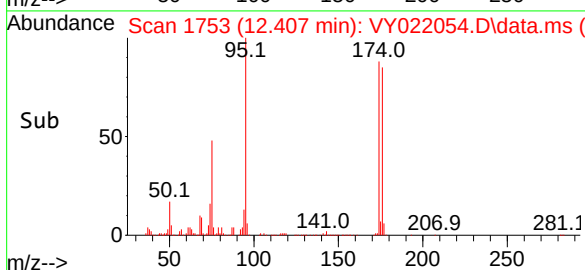
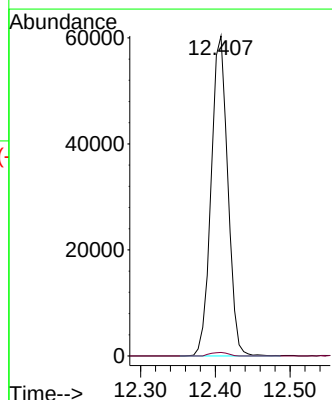
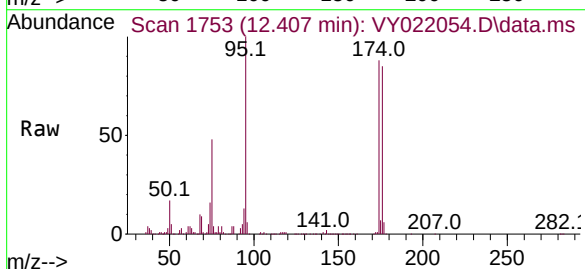
Acq: 29 Apr 2025 14:19

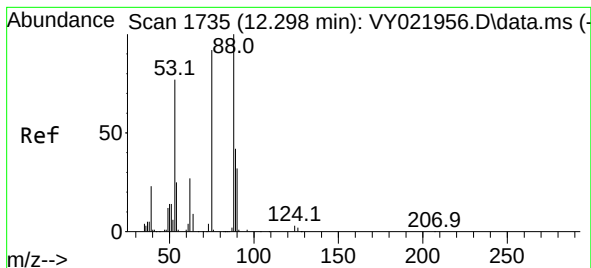
Tgt Ion: 75 Resp: 93449

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.906 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022054.D
 Acq: 29 Apr 2025 14:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-H-VOC

Tgt Ion: 75 Resp: 93449
 Ion Ratio Lower Upper
 75 100
 53 0.2 66.0 99.0#
 89 0.0 37.2 55.8#

