

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022763.D
 Acq On : 20 Jun 2025 14:35
 Operator : SY/MD
 Sample : Q2389-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-J-I-VOC

Quant Time: Jun 21 02:40:24 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)

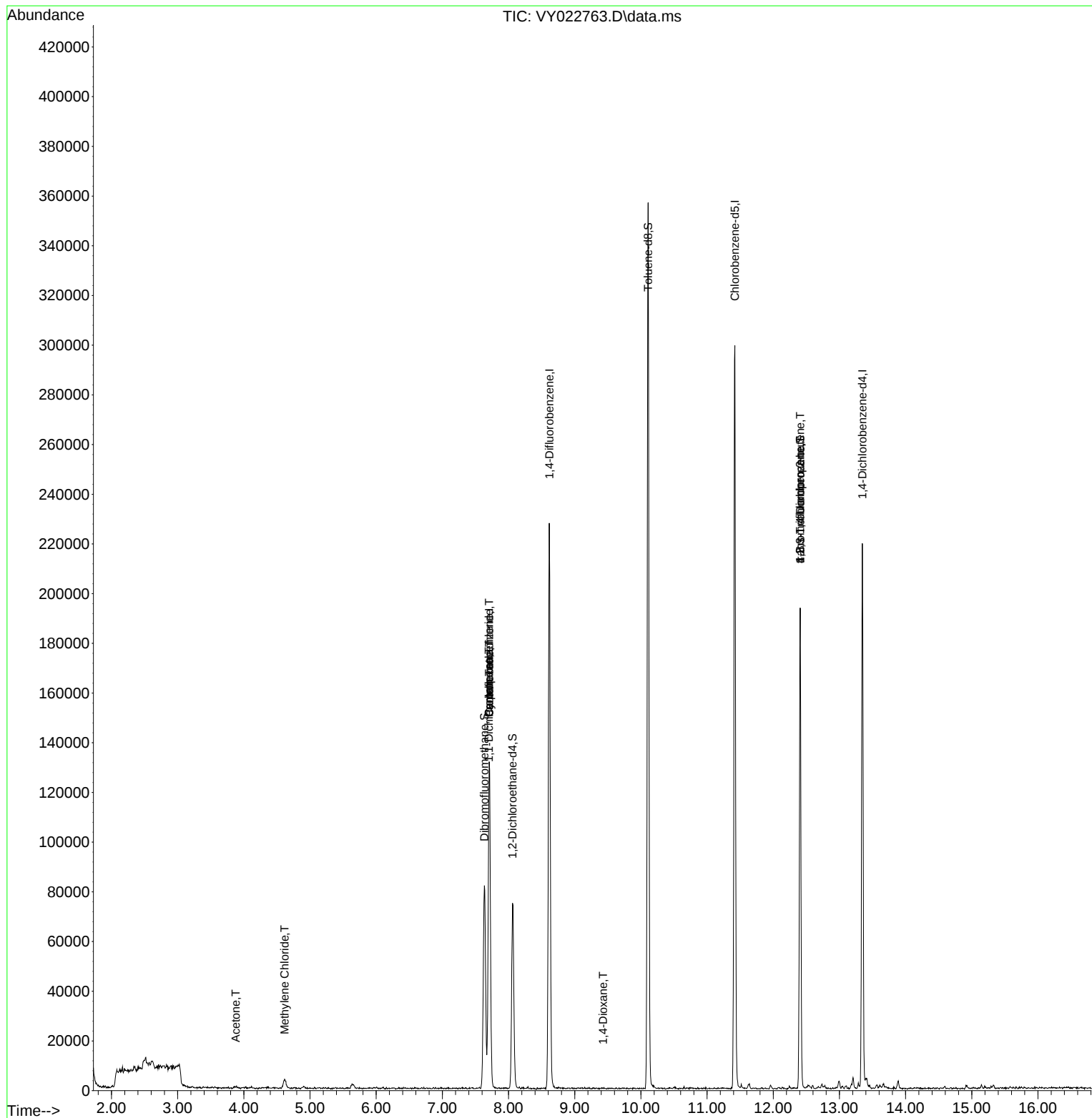
Internal Standards						
1) Pentafluorobenzene	7.707	168	97117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	184937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	149983	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	50475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	57233	52.691	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.380%			
35) Dibromofluoromethane	7.634	113	56397	51.091	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.180%			
50) Toluene-d8	10.109	98	224320	50.293	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.407	95	52926	39.826	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 79.660%			
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	1168	5.295	ug/l #	86
20) Methylene Chloride	4.616	84	2526	2.016	ug/l #	72
31) Cyclohexane	7.707	56	3064	1.468	ug/l #	37
36) 1,1-Dichloropropene	7.701	75	9556	5.334	ug/l #	47
38) Carbon Tetrachloride	7.707	117	10271	5.589	ug/l #	17
49) 1,4-Dioxane	9.426	88	26	3.119	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	31205	54.039	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	31205	130.501	ug/l #	10

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

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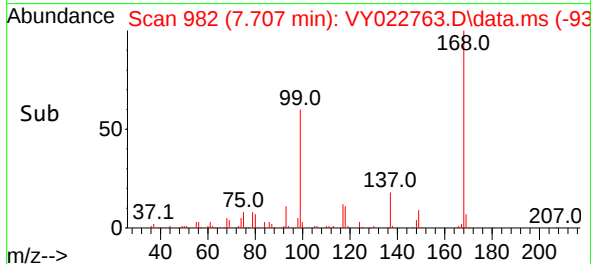
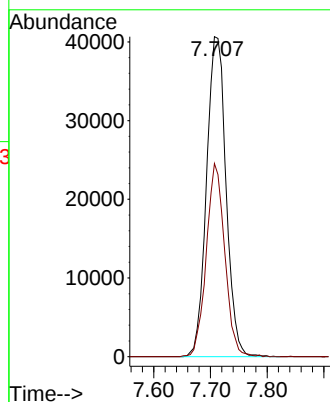
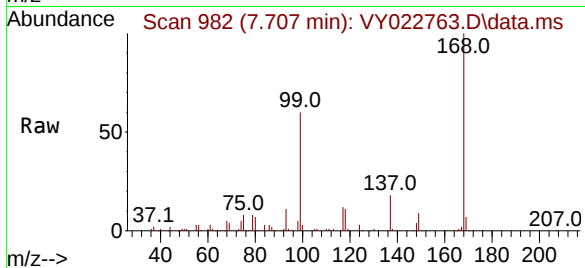




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

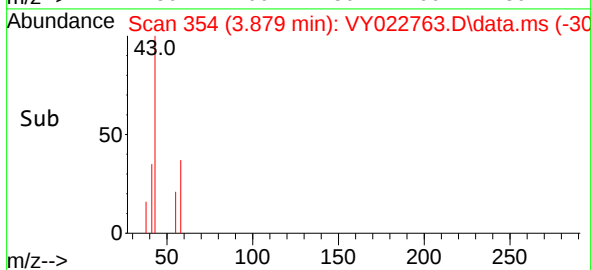
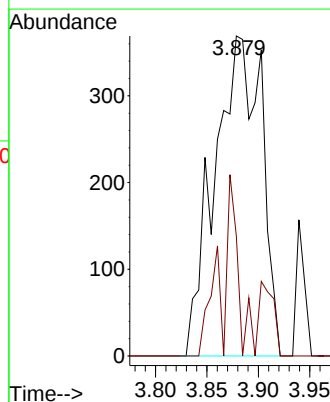
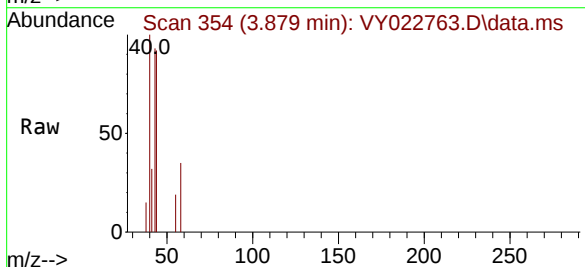
Instrument :
MSVOA_Y
ClientSampleId :
MH-J-I-VOC

Tgt Ion:168 Resp: 97117
Ion Ratio Lower Upper
168 100
99 60.4 44.3 66.5



#16
Acetone
Concen: 5.295 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion: 43 Resp: 1168
Ion Ratio Lower Upper
43 100
58 37.4 24.0 36.0#

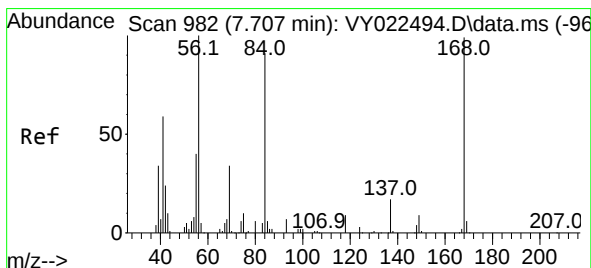
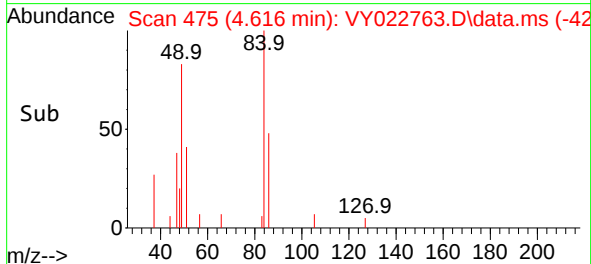
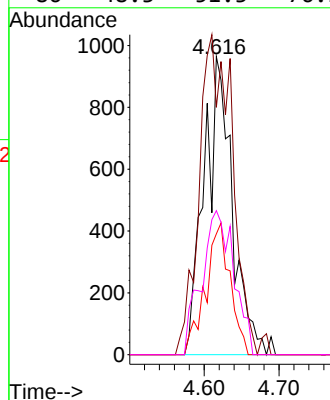
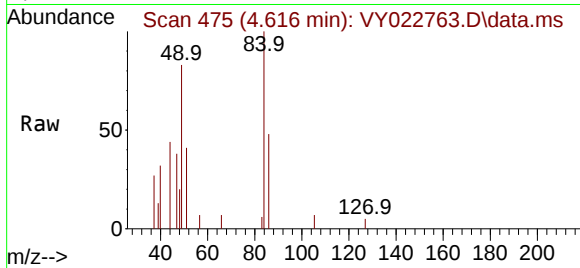




#20
Methylene Chloride
Concen: 2.016 ug/l
RT: 4.616 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

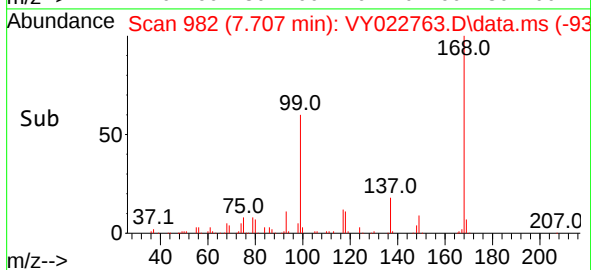
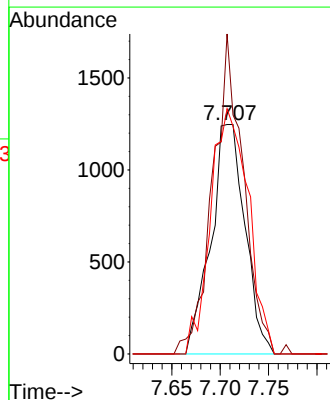
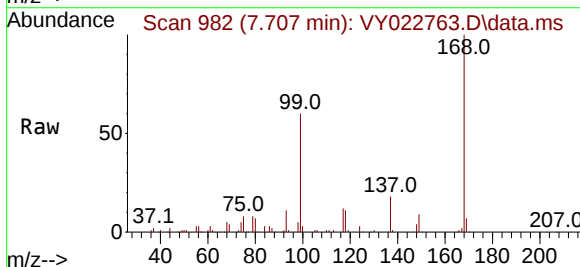
Instrument :
MSVOA_Y
ClientSampleId :
MH-J-I-VOC

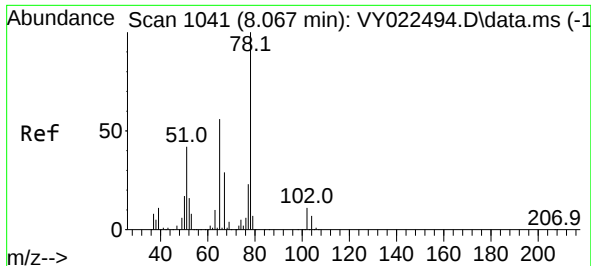
Tgt Ion:	84	Resp:	2526
Ion	Ratio	Lower	Upper
84	100		
49	83.0	101.9	152.9#
51	40.6	29.8	44.8
86	48.3	51.3	76.9#



#31
Cyclohexane
Concen: 1.468 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion:	56	Resp:	3064
Ion	Ratio	Lower	Upper
56	100		
69	139.5	27.0	40.6#
84	106.9	72.6	109.0





#33

1,2-Dichloroethane-d4

Concen: 52.691 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022763.D

Acq: 20 Jun 2025 14:35

Instrument :

MSVOA_Y

ClientSampleId :

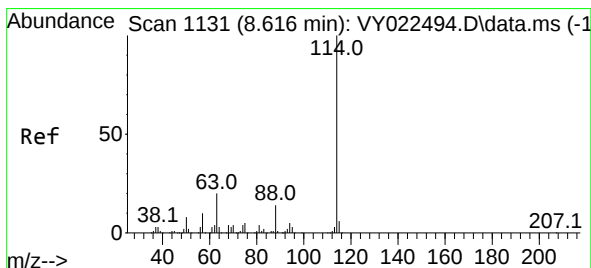
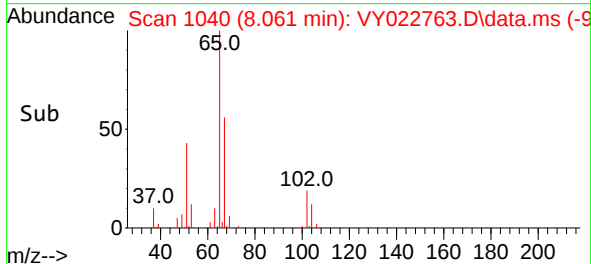
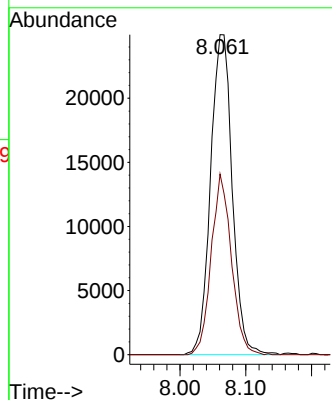
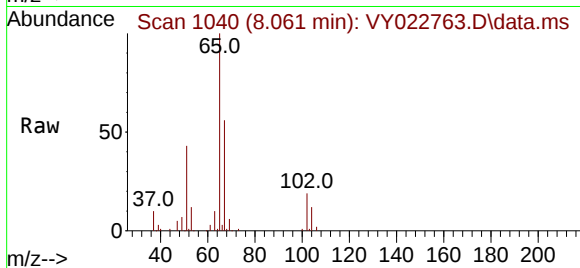
MH-J-I-VOC

Tgt Ion: 65 Resp: 57233

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022763.D

Acq: 20 Jun 2025 14:35

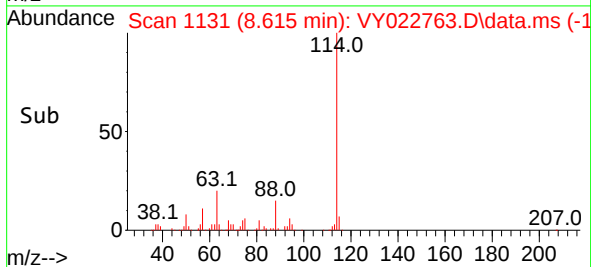
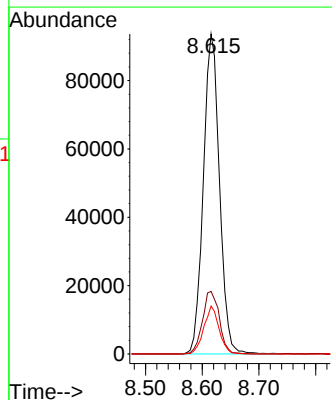
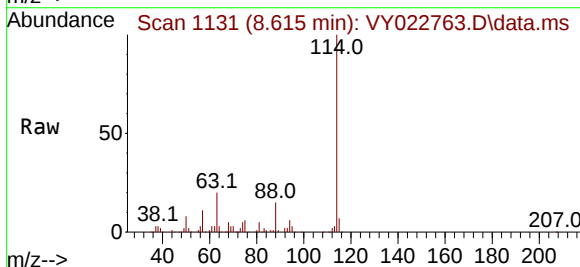
Tgt Ion: 114 Resp: 184937

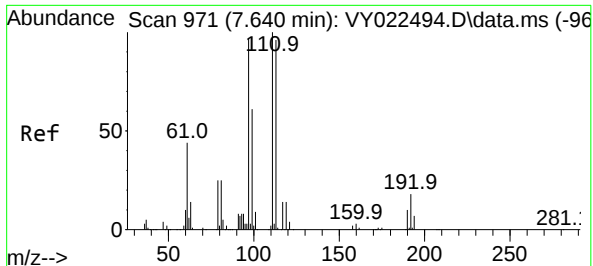
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 14.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 51.091 ug/l

RT: 7.634 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY022763.D

Acq: 20 Jun 2025 14:35

Instrument :

MSVOA_Y

ClientSampleId :

MH-J-I-VOC

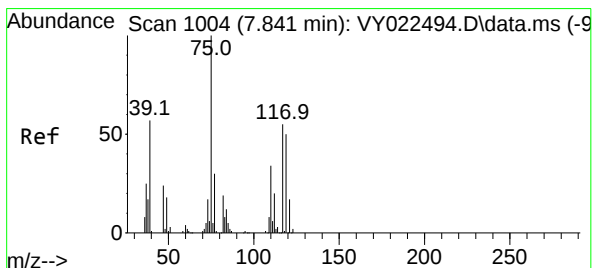
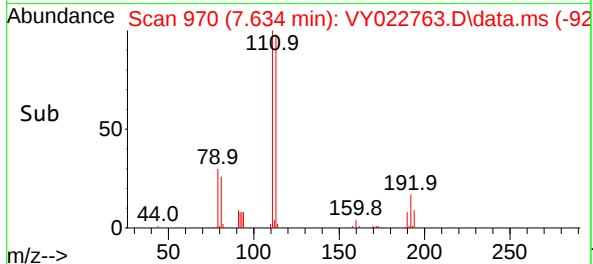
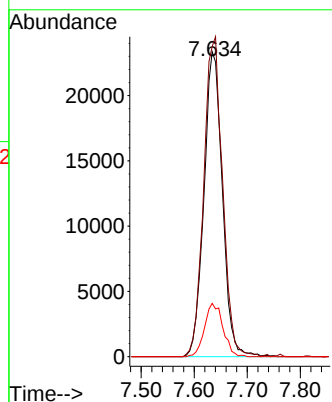
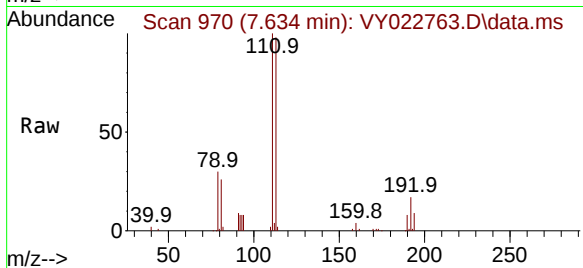
Tgt Ion:113 Resp: 56397

Ion Ratio Lower Upper

113 100

111 106.7 81.1 121.7

192 17.5 14.2 21.2



#36

1,1-Dichloropropene

Concen: 5.334 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.140 min

Lab File: VY022763.D

Acq: 20 Jun 2025 14:35

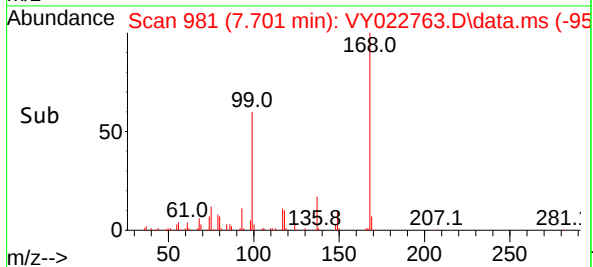
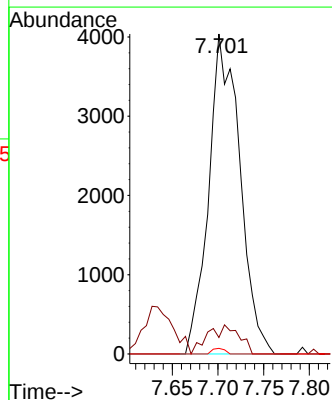
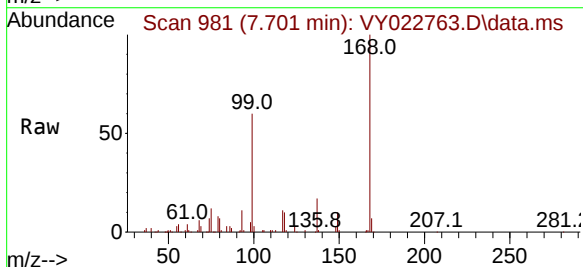
Tgt Ion: 75 Resp: 9556

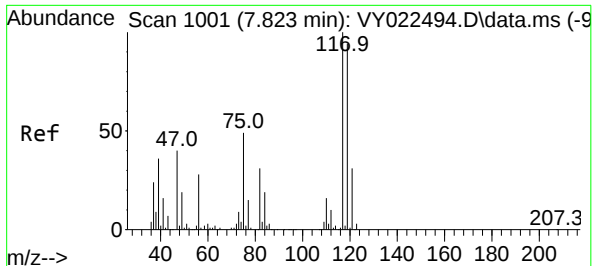
Ion Ratio Lower Upper

75 100

110 5.0 16.9 50.7#

77 0.7 24.8 37.2#

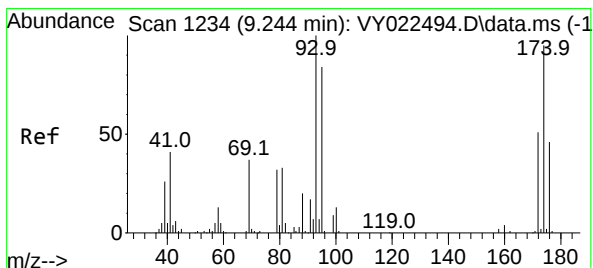
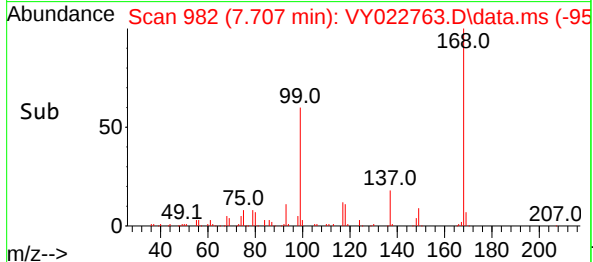
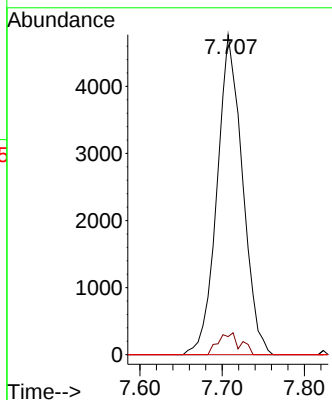
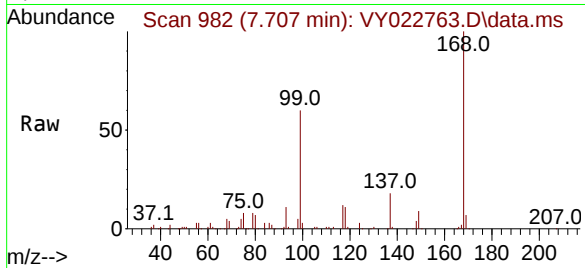




#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

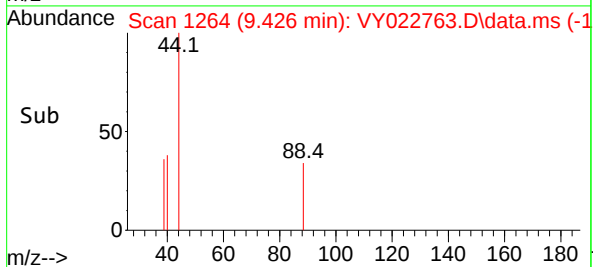
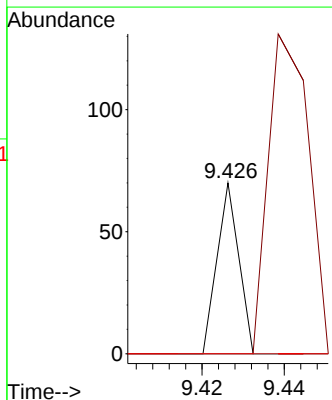
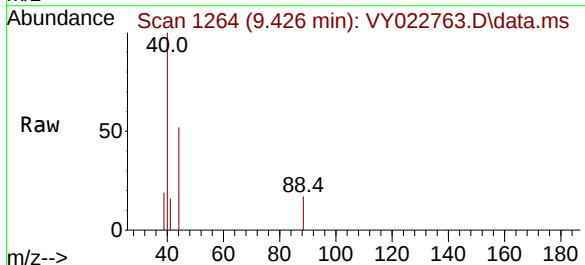
Instrument :
MSVOA_Y
ClientSampleId :
MH-J-I-VOC

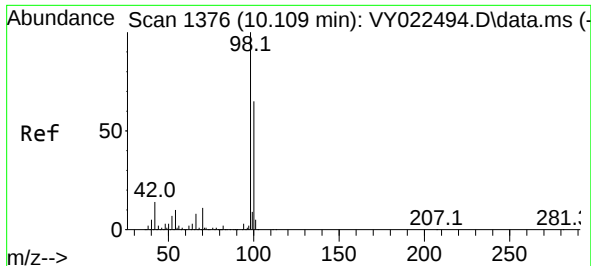
Tgt Ion:117 Resp: 10271
Ion Ratio Lower Upper
117 100
119 5.6 75.0 112.6#
121 0.0 25.0 37.4#



#49
1,4-Dioxane
Concen: 3.119 ug/l
RT: 9.426 min Scan# 1264
Delta R.T. 0.183 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 342.3 25.4 38.2#
58 0.0 54.9 82.3#

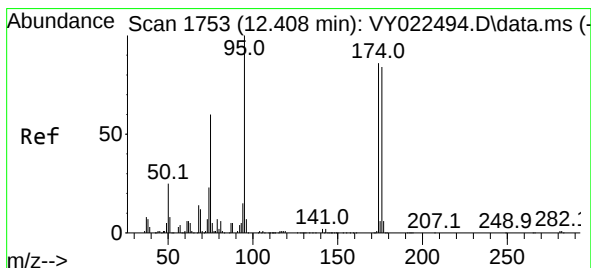
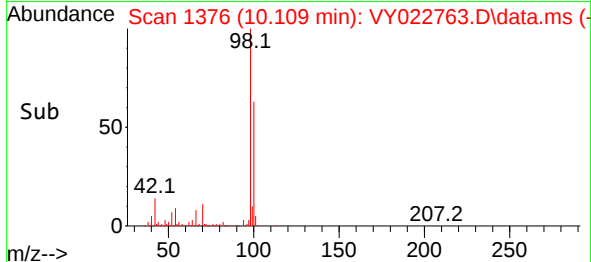
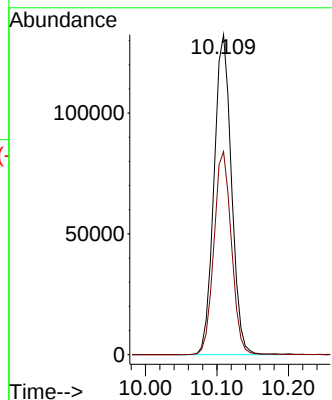
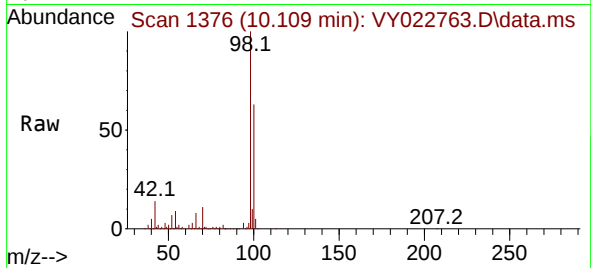




#50
Toluene-d8
Concen: 50.293 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

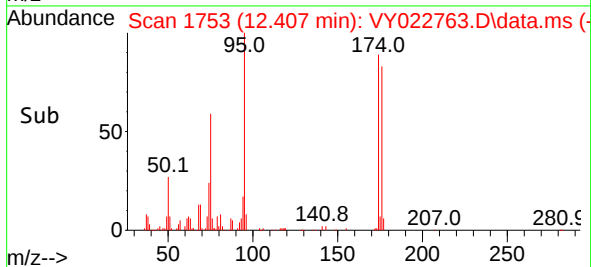
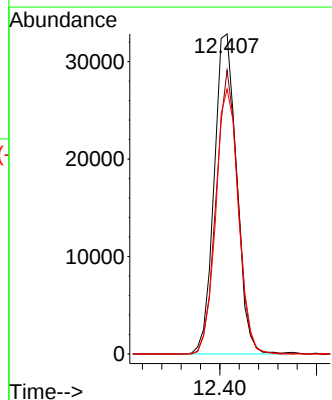
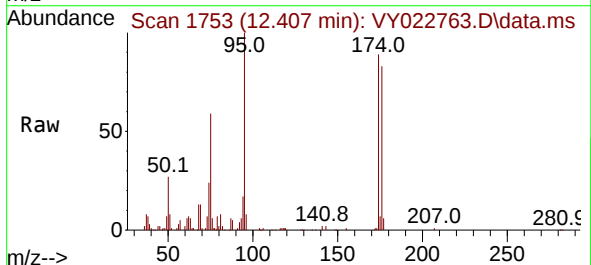
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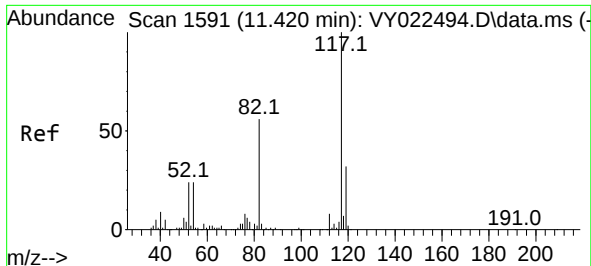
Tgt Ion: 98 Resp: 224320
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 39.826 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion: 95 Resp: 52926
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 83.3 0.0 166.2

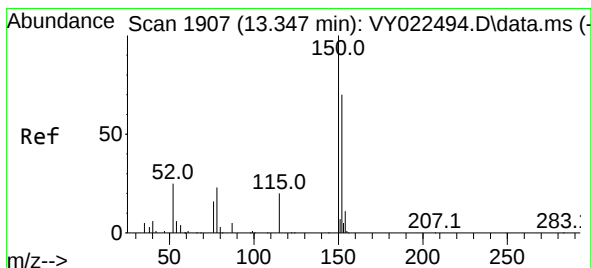
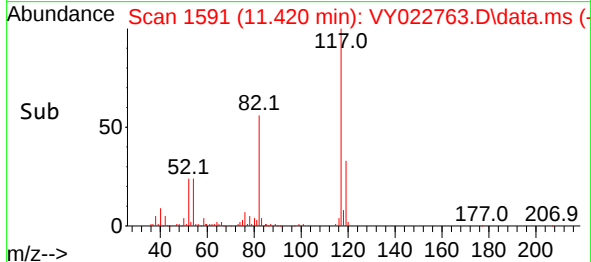
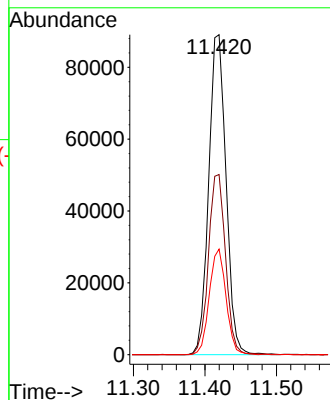
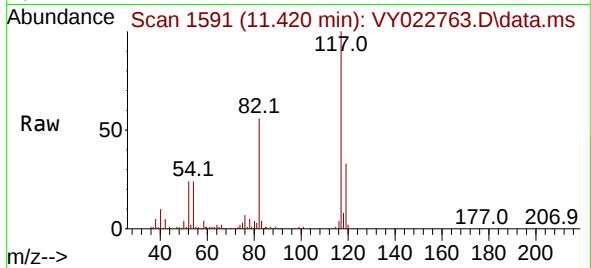




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

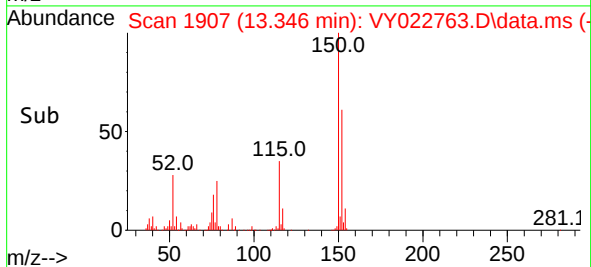
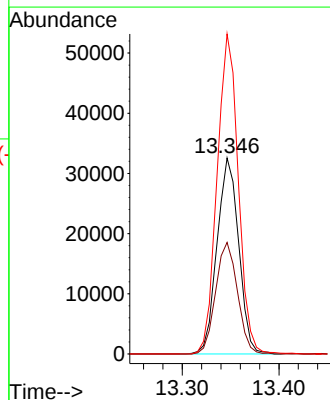
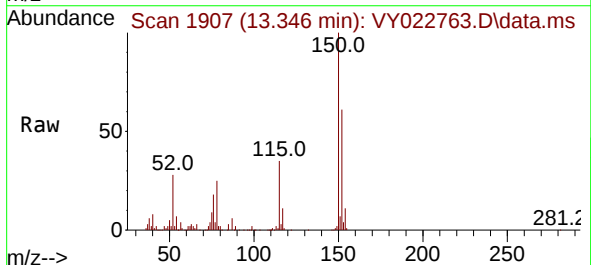
Instrument :
MSVOA_Y
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MH-J-I-VOC

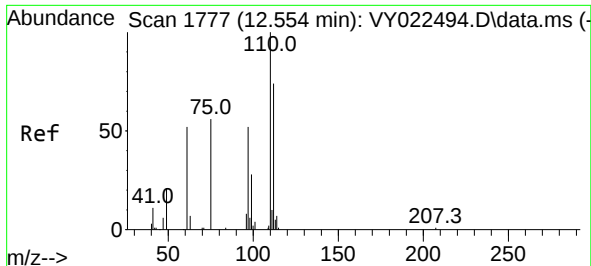
Tgt Ion:117 Resp: 149983
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 33.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion:152 Resp: 50475
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.7
150 159.8 0.0 349.6

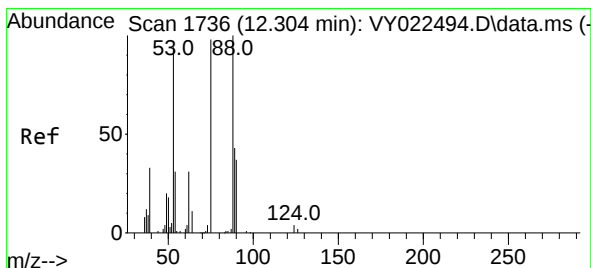
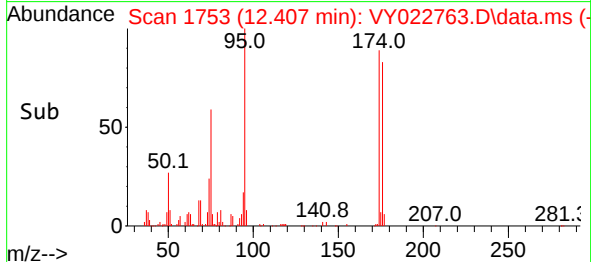
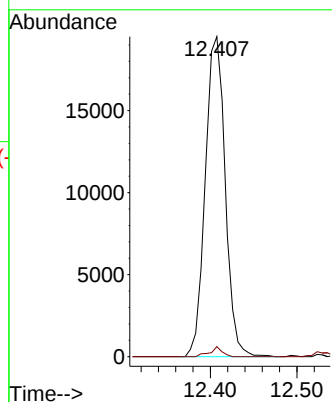
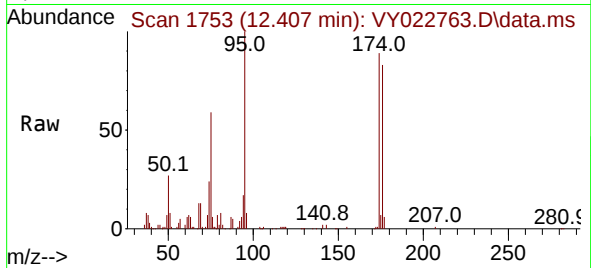




#76
1,2,3-Trichloropropane
Concen: 54.039 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.147 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Instrument :
MSVOA_Y
ClientSampleId :
MH-J-I-VOC

Tgt Ion: 75 Resp: 31205
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.501 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.103 min
Lab File: VY022763.D
Acq: 20 Jun 2025 14:35

Tgt Ion: 75 Resp: 31205
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 35.7 53.5#

