

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022104.D
 Acq On : 01 May 2025 13:51
 Operator : SY/MD
 Sample : Q1922-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-2-VOC

Quant Time: May 02 01:30:06 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

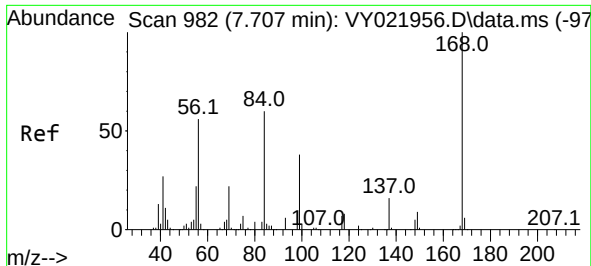
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	305268	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	575312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	506620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	187651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144665	51.305	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.620%	
35) Dibromofluoromethane	7.634	113	191904	50.490	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.980%	
50) Toluene-d8	10.109	98	692091	48.300	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.600%	
62) 4-Bromofluorobenzene	12.408	95	184357	38.219	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.440%	
Target Compounds						Qvalue
16) Acetone	3.873	43	819	Below Cal	#	68
20) Methylene Chloride	4.623	84	3734	1.047	ug/l #	94
31) Cyclohexane	7.713	56	5601	1.202	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	22230	4.354	ug/l #	47
38) Carbon Tetrachloride	7.713	117	30162	4.944	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	2480	1.343	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	87413	54.384	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	87413	130.965	ug/l #	16

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

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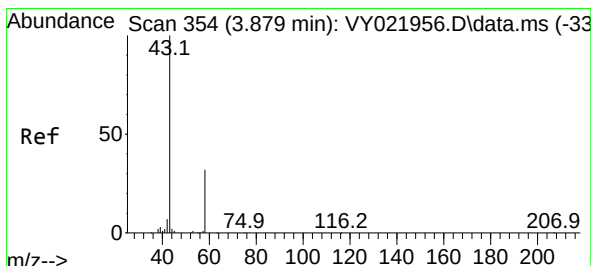
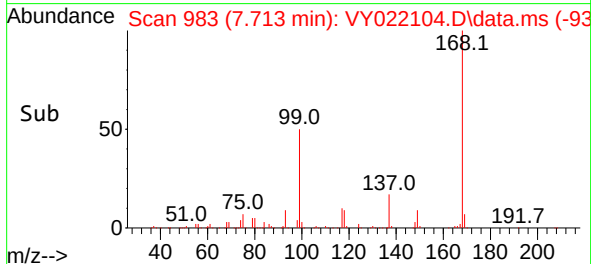
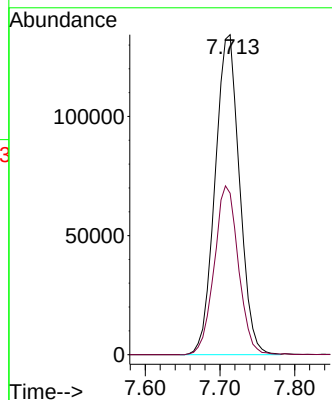
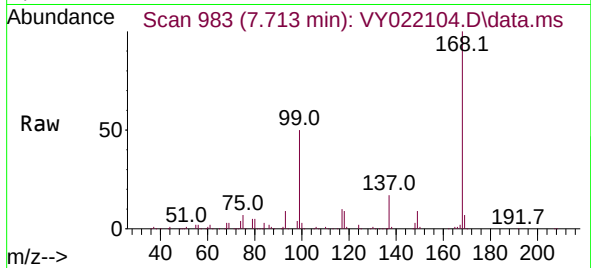




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

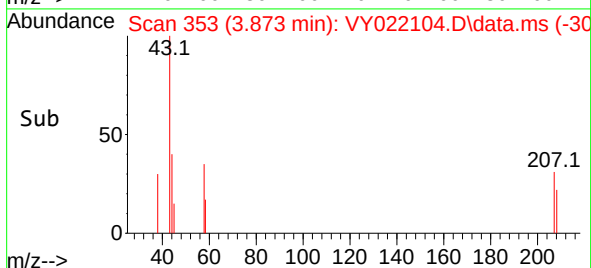
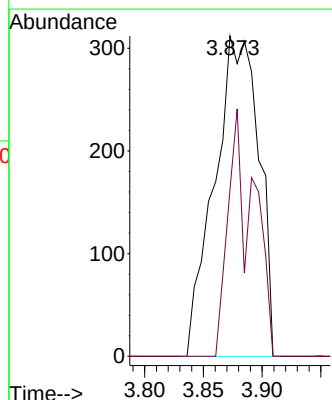
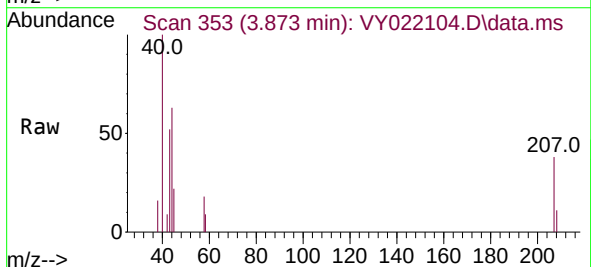
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-VOC

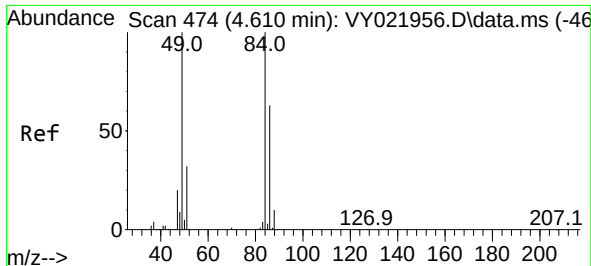
Tgt Ion:168 Resp: 305268
Ion Ratio Lower Upper
168 100
99 50.5 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
58 51.9 27.0 40.4#

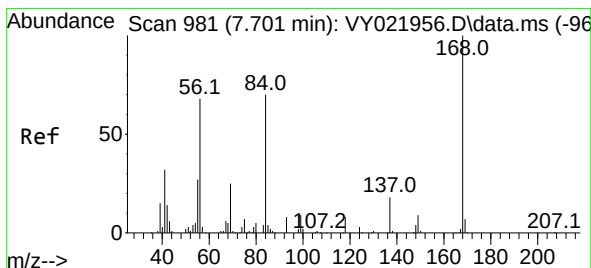
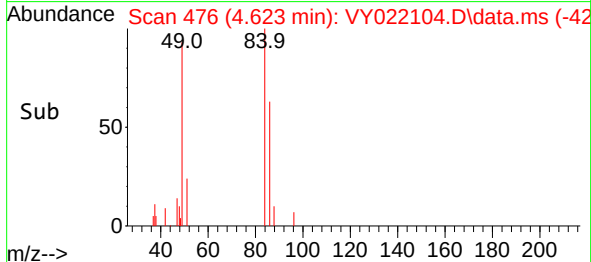
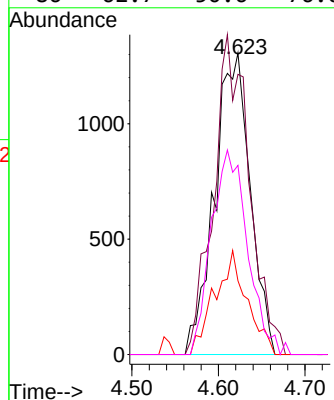
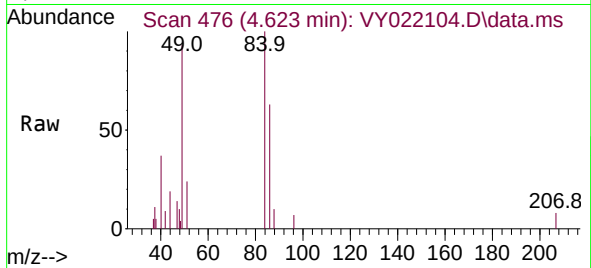




#20
Methylene Chloride
Concen: 1.047 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

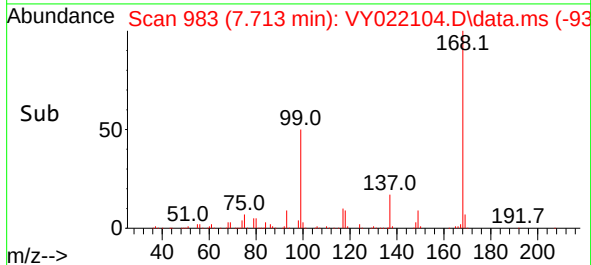
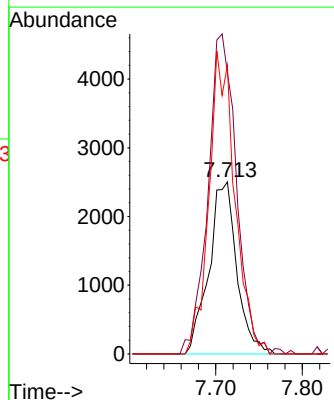
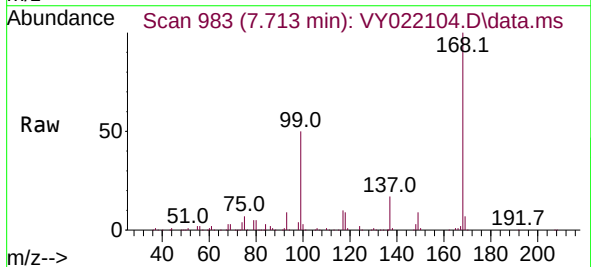
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-VOC

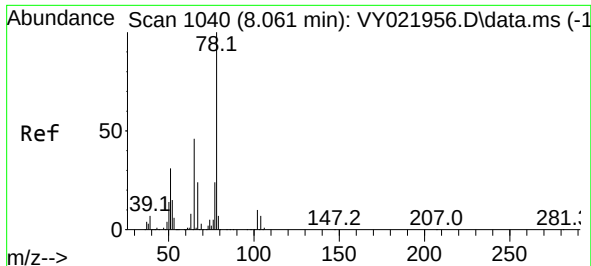
Tgt Ion:	84	Resp:	3734
Ion	Ratio	Lower	Upper
84	100		
49	92.9	79.9	119.9
51	24.5	25.4	38.0#
86	62.7	50.6	76.0



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

Tgt Ion:	56	Resp:	5601
Ion	Ratio	Lower	Upper
56	100		
69	163.3	29.4	44.2#
84	167.9	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 51.305 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY022104.D

Acq: 01 May 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

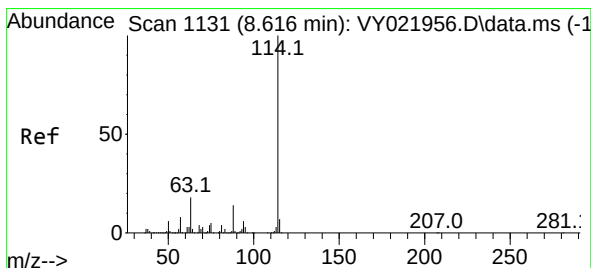
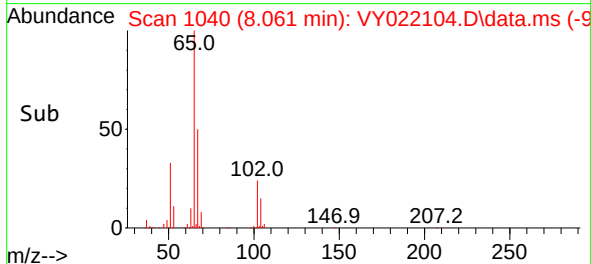
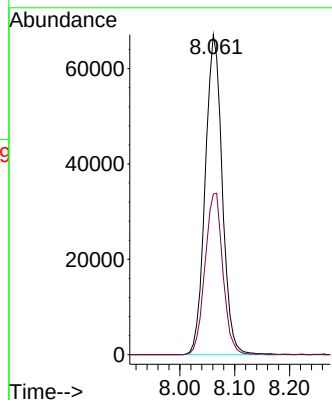
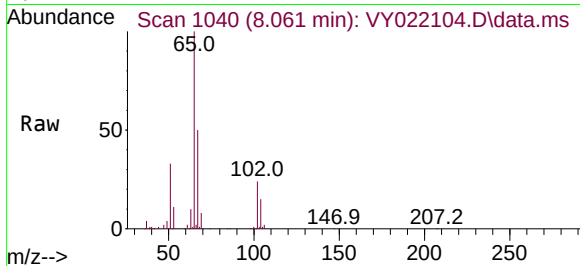
MH-2-VOC

Tgt Ion: 65 Resp: 144665

Ion Ratio Lower Upper

65 100

67 52.9 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: VY022104.D

Acq: 01 May 2025 13:51

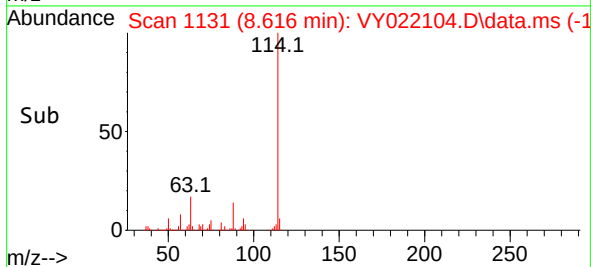
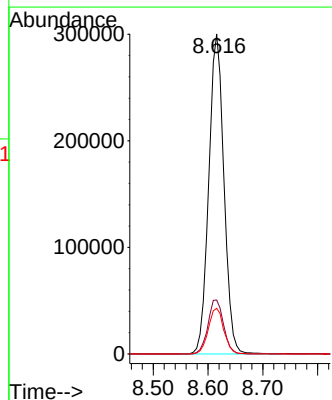
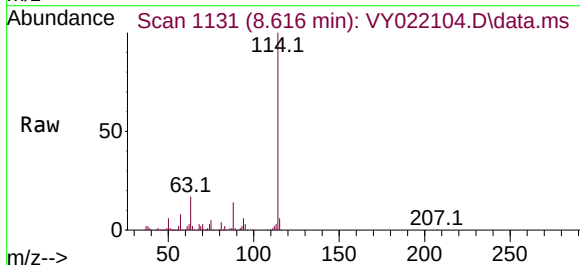
Tgt Ion: 114 Resp: 575312

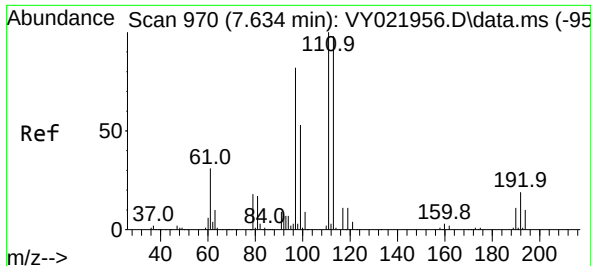
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 14.2 0.0 28.2

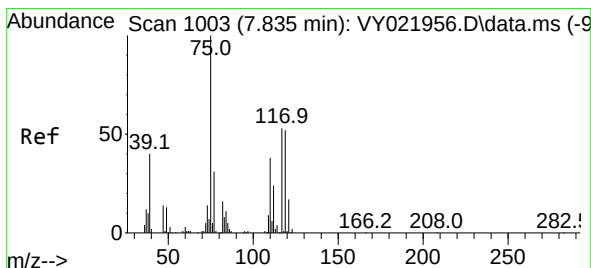
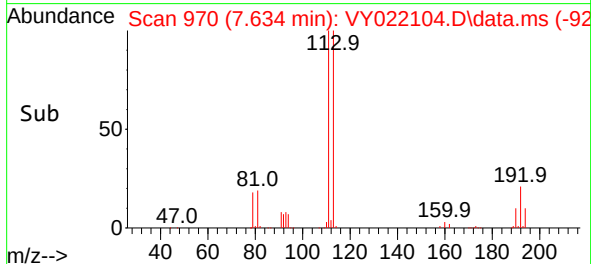
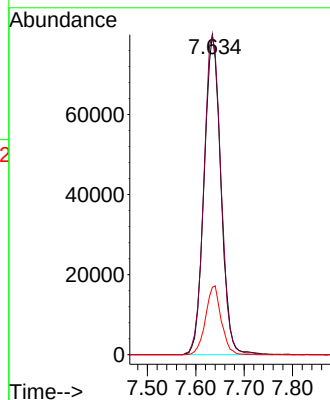
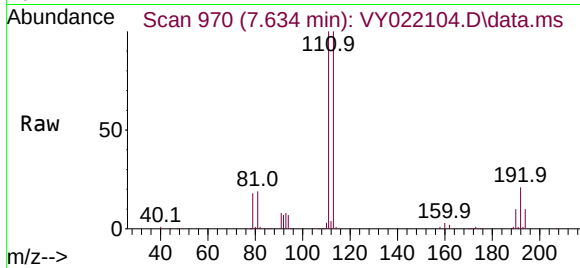




#35
Dibromofluoromethane
Concen: 50.490 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

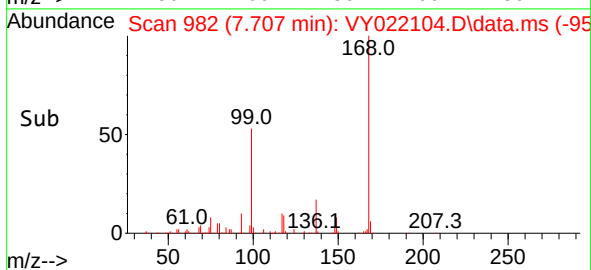
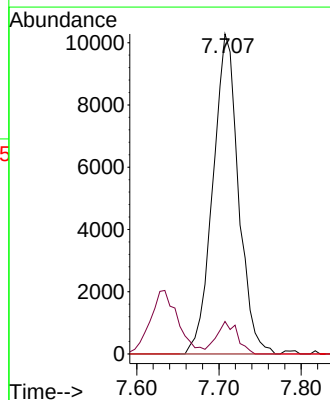
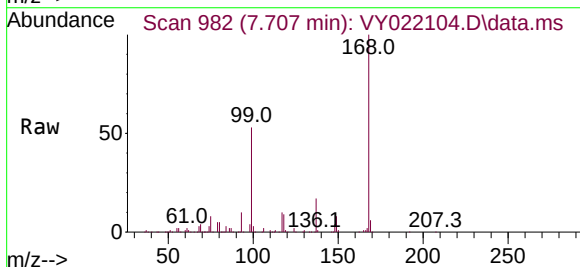
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-VOC

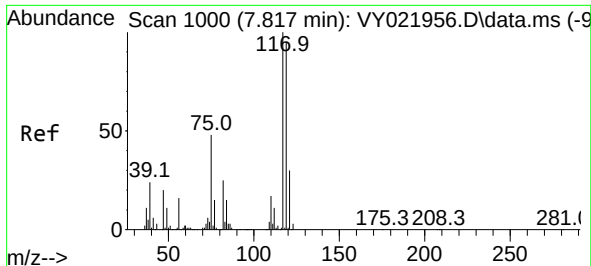
Tgt Ion:113 Resp: 191904
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 20.2 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.354 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

Tgt Ion: 75 Resp: 22230
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.3#
77 0.0 25.5 38.3#

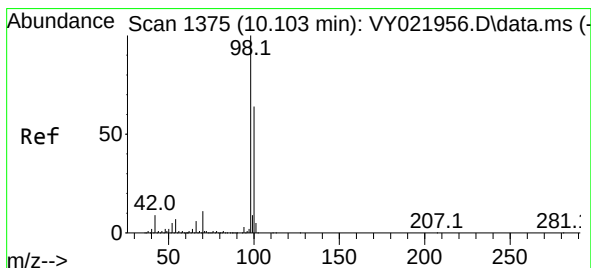
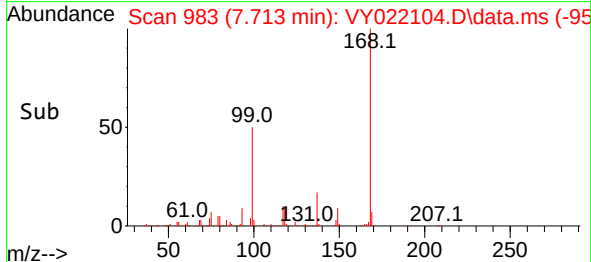
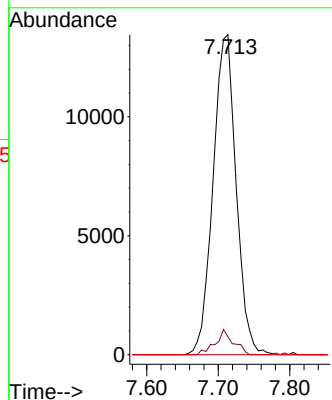
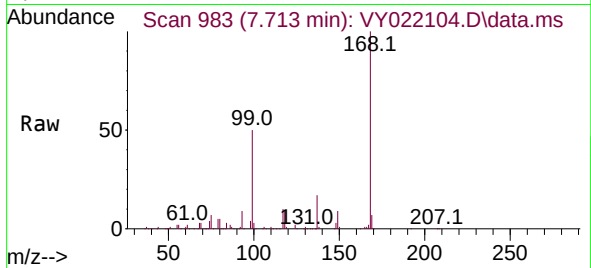




#38
Carbon Tetrachloride
Concen: 4.944 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

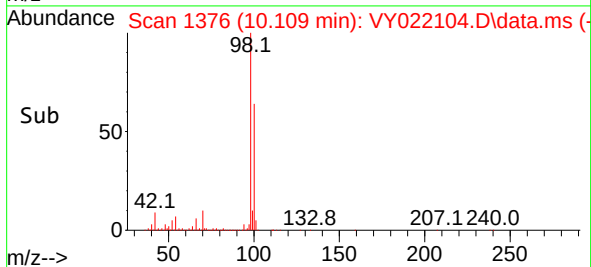
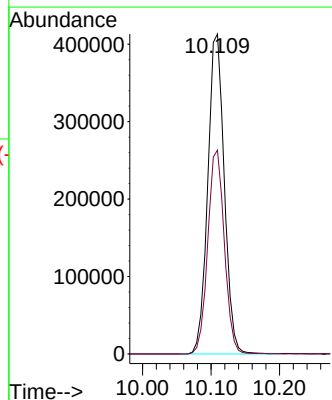
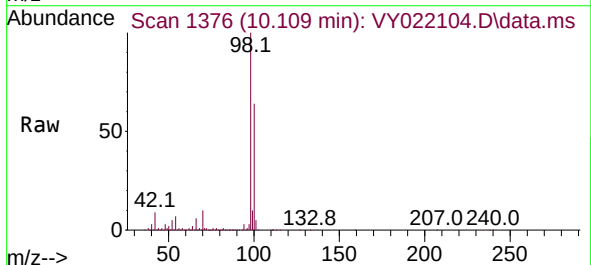
Instrument :
MSVOA_Y
ClientSampleId :
MH-2-VOC

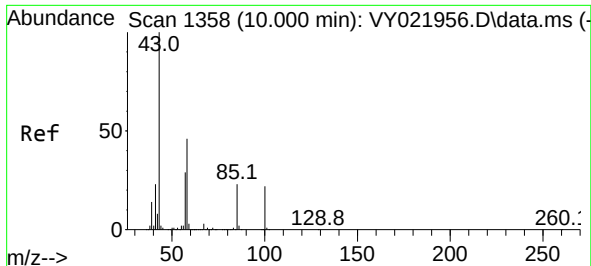
Tgt Ion:117 Resp: 30162
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 48.300 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

Tgt Ion: 98 Resp: 692091
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4

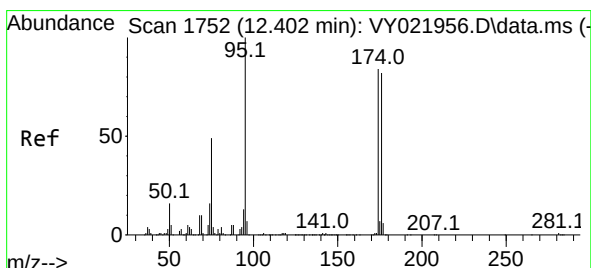
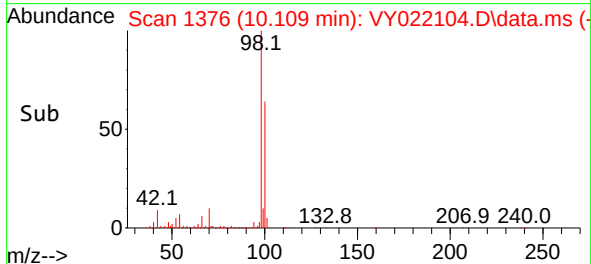
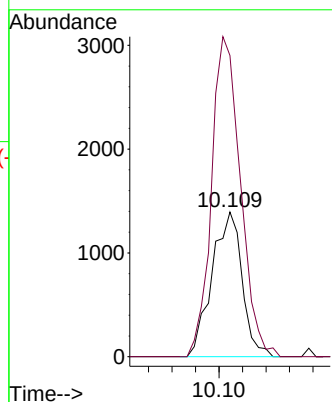
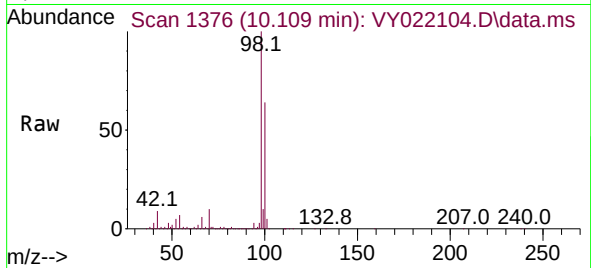




#51
4-Methyl-2-Pentanone
Concen: 1.343 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.110 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

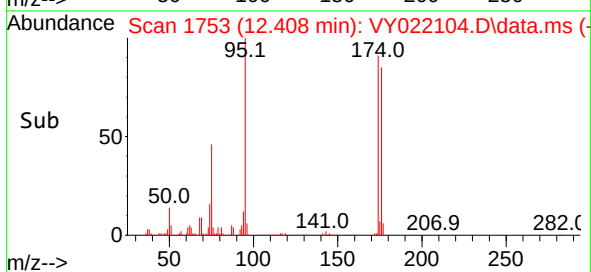
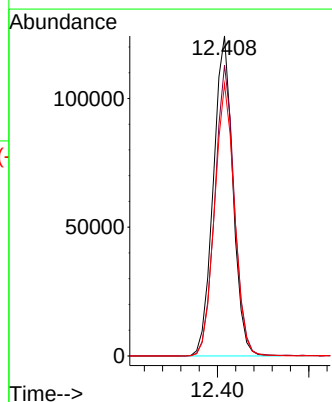
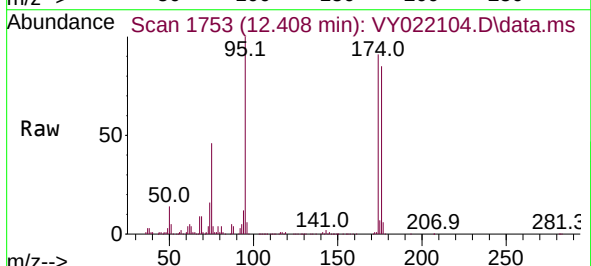
Instrument :
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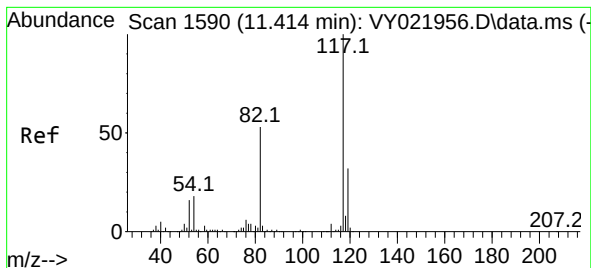
Tgt Ion: 43 Resp: 2480
Ion Ratio Lower Upper
43 100
58 212.8 36.6 55.0#



#62
4-Bromofluorobenzene
Concen: 38.219 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022104.D
Acq: 01 May 2025 13:51

Tgt Ion: 95 Resp: 184357
Ion Ratio Lower Upper
95 100
174 90.9 0.0 179.0
176 86.4 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022104.D

Acq: 01 May 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

MH-2-VOC

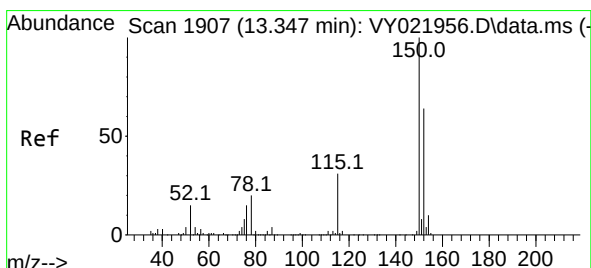
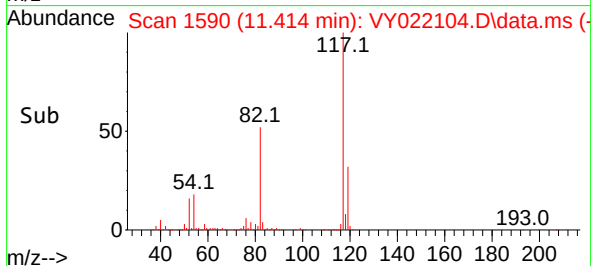
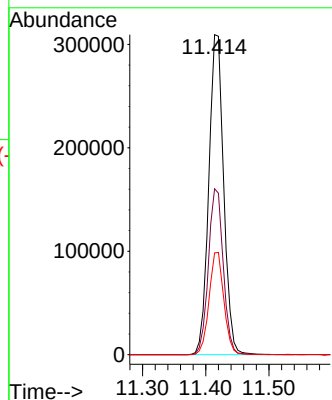
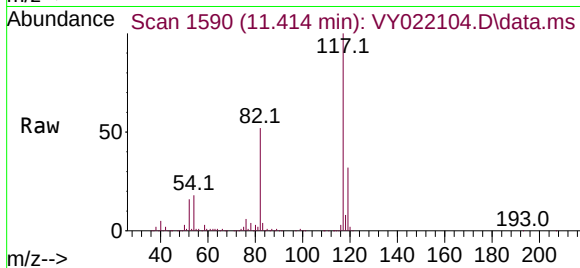
Tgt Ion:117 Resp: 506620

Ion Ratio Lower Upper

117 100

82 51.8 42.1 63.1

119 31.8 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: VY022104.D

Acq: 01 May 2025 13:51

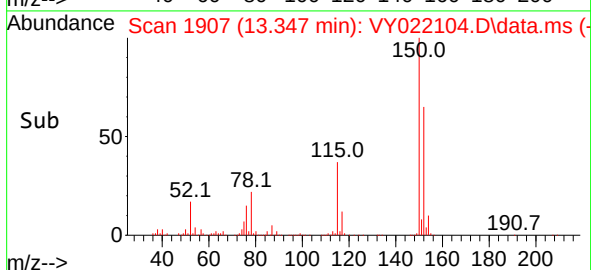
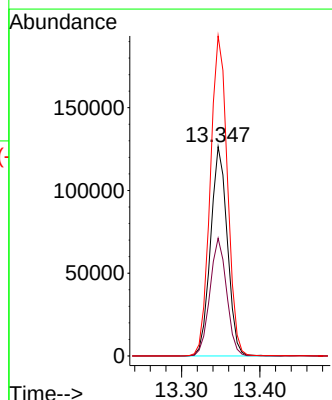
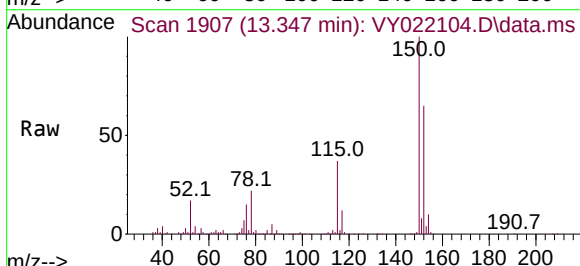
Tgt Ion:152 Resp: 187651

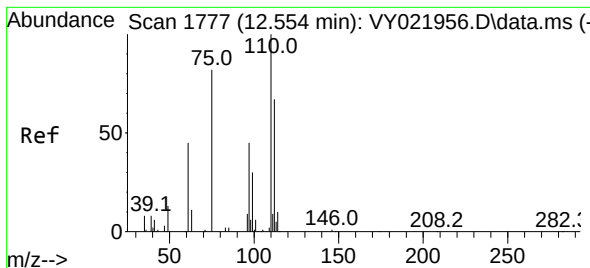
Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

150 156.6 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 54.384 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY022104.D

Acq: 01 May 2025 13:51

Instrument :

MSVOA_Y

ClientSampleId :

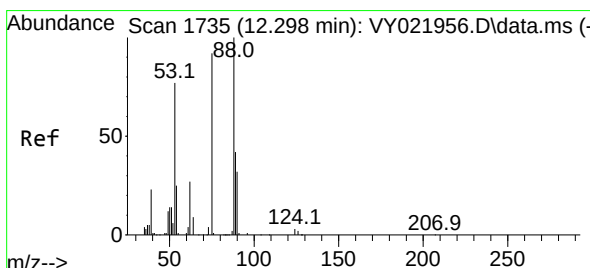
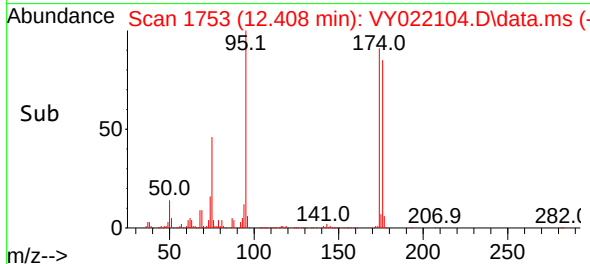
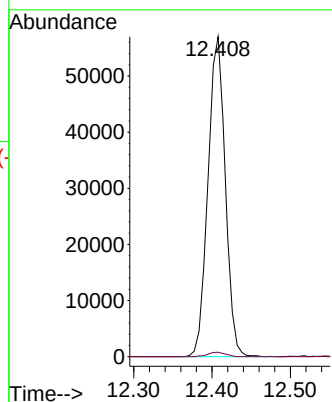
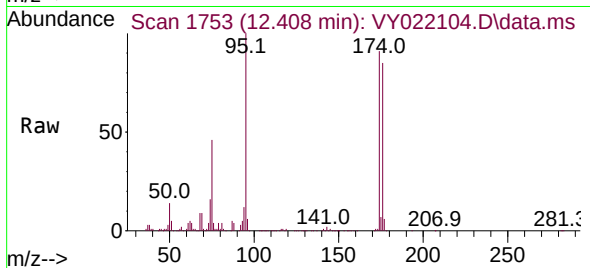
MH-2-VOC

Tgt Ion: 75 Resp: 87413

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 130.965 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY022104.D

Acq: 01 May 2025 13:51

Tgt Ion: 75 Resp: 87413

Ion Ratio Lower Upper

75 100

53 0.1 66.0 99.0#

89 0.0 37.2 55.8#

