

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051220\
 Data File : VV016024.D
 Acq On : 12 May 2020 19:22
 Operator : SY/MD
 Sample : L2542-05
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 13 06:59:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 13 06:55:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	135431	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	134071	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	61978	5.00	ug/L	0.00

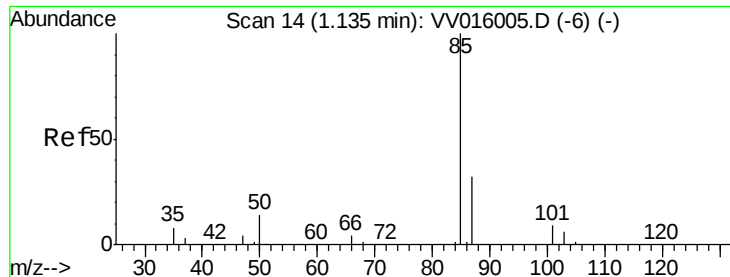
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27925	3.80	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.00%
7) Chloroethane-d5	1.58	69	30041	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	2.12	63	48725	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	3.93	46	109732	52.36	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.72%
24) Chloroform-d	4.38	84	74207	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.06	65	46402	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.08	84	148604	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.10	67	49076	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.34	98	130863	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
45) trans-1,3-Dichloropropene-	7.65	79	14410	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
48) 2-Hexanone-d5	8.12	63	79888	47.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	35180	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	50464	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	809	0.078 ug/L	91
25) Chloroform	4.40	83	8030	0.460 ug/L	92
27) 1,2-Dichloroethane	5.08	62	1021	0.095 ug/L #	76
35) Methylcyclohexane	6.10	83	12317	0.846 ug/L #	16
37) 1,2-Dichloropropane	6.10	63	6113	0.713 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	1390	0.115 ug/L #	68
46) trans-1,3-Dichloropropene	7.65	75	750	0.073 ug/L	85
49) Tetrachloroethene	8.00	164	6868	1.022 ug/L	92
50) 2-Hexanone	8.16	43	4440	1.175 ug/L #	91
51) Dibromochloromethane	8.00	129	6478	1.007 ug/L #	9

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



#2

Dichlorodifluoromethane

Concen: 0.078 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.01 min

Lab File: VV016024.D

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Instrument :

MSVOA_V

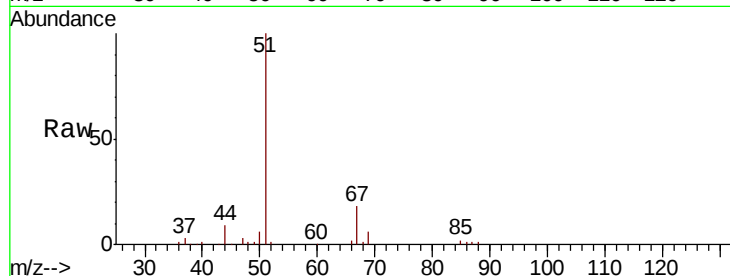
ClientSampleId :

Tot Ion: 85 Resp: 809

Ion Ratio Lower Upper

85 100

87 27.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

1000

800

600

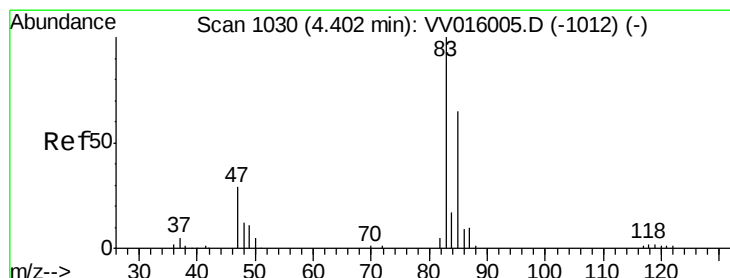
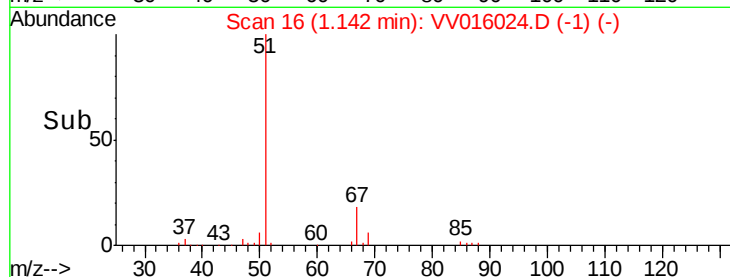
400

200

0

1.12 1.14 1.16

Time-->



#25

Chloroform

Concen: 0.460 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV016024.D

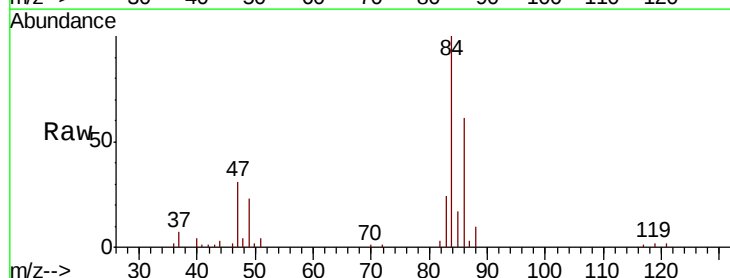
Acq: 12 May 2020 19:22

Tgt Ion: 83 Resp: 8030

Ion Ratio Lower Upper

83 100

85 71.4 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.40

3000

2500

2000

1500

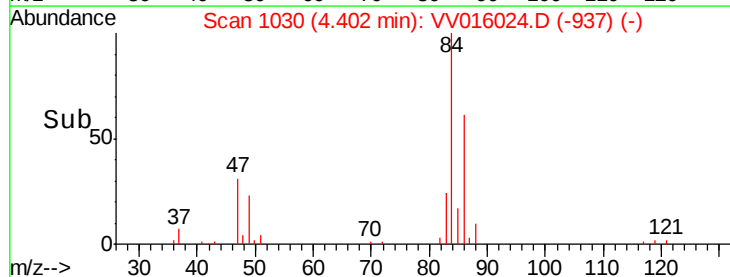
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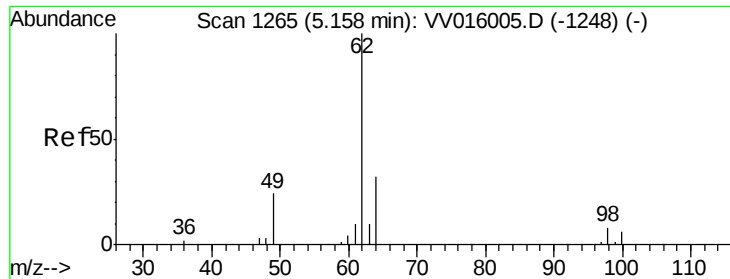
500

0

4.30 4.35 4.40 4.45 4.50

Time-->

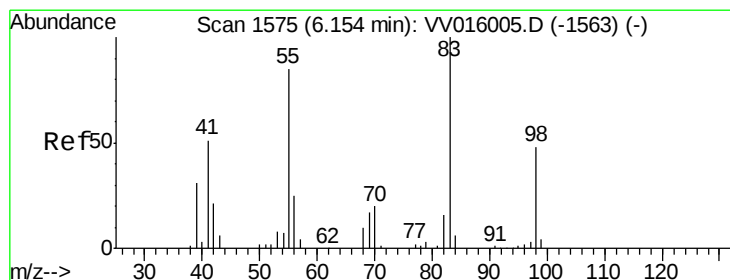
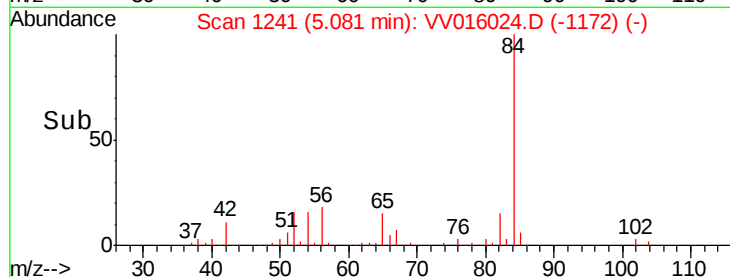
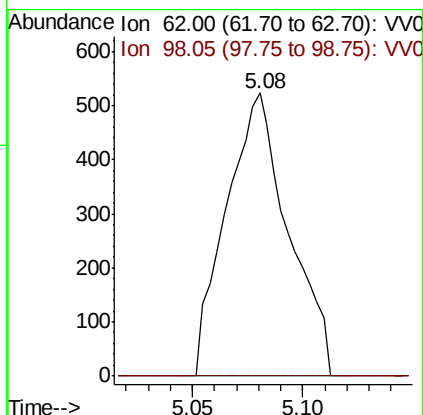
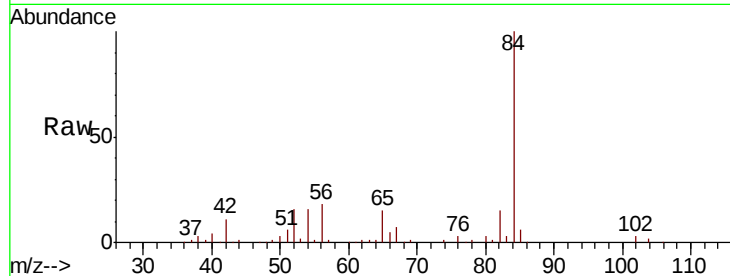




#27
 1,2-Dichloroethane
 Concen: 0.095 ug/L
 RT: 5.08 min Scan# 1241
 Delta R.T. -0.08 min
 Lab File: VV016024.D
 Acq: 12 May 2020 19:22

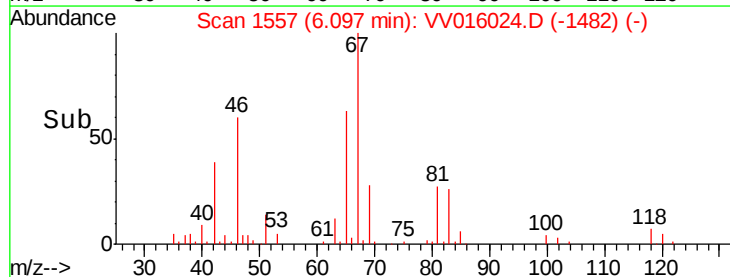
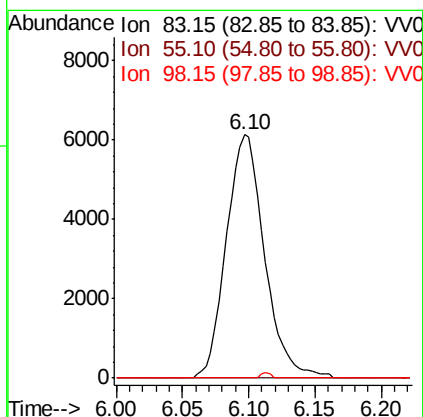
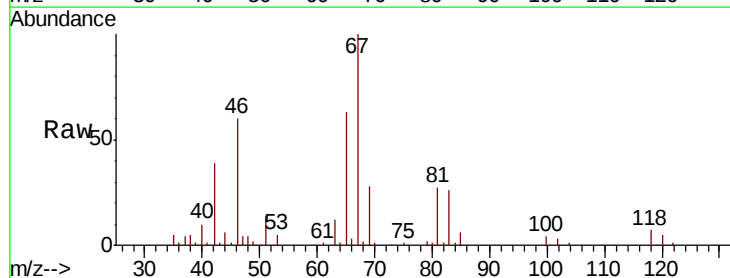
Instrument :
 MSVOA_V
 ClientSampleId :

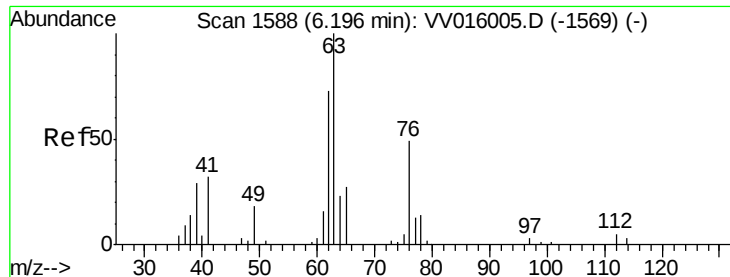
Tot Ion: 62 Resp: 1021
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.7 10.1#



#35
 Methylcyclohexane
 Concen: 0.846 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.06 min
 Lab File: VV016024.D
 Acq: 12 May 2020 19:22

Tgt Ion: 83 Resp: 12317
 Ion Ratio Lower Upper
 83 100
 55 0.0 66.2 99.2#
 98 0.6 37.9 56.9#

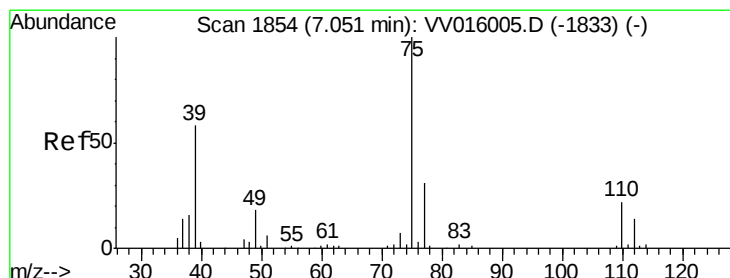
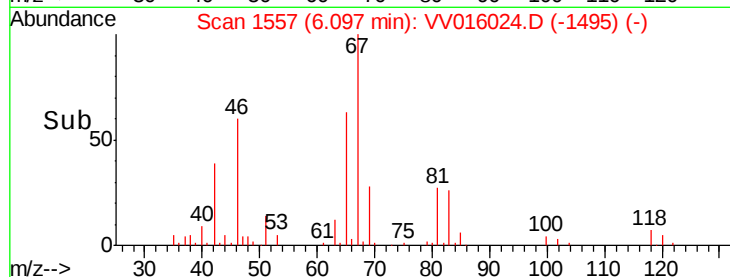
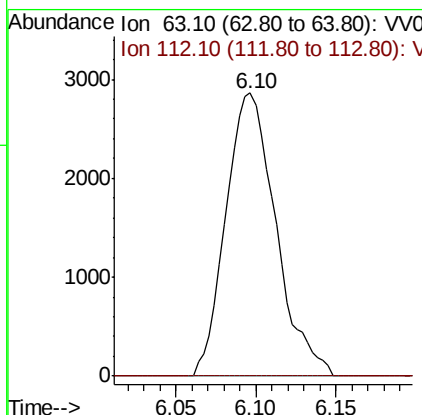
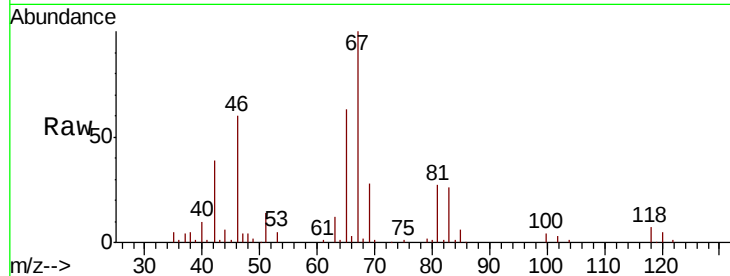




#37
 1,2-Dichloropropane
 Concen: 0.713 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016024.D
 Acq: 12 May 2020 19:22

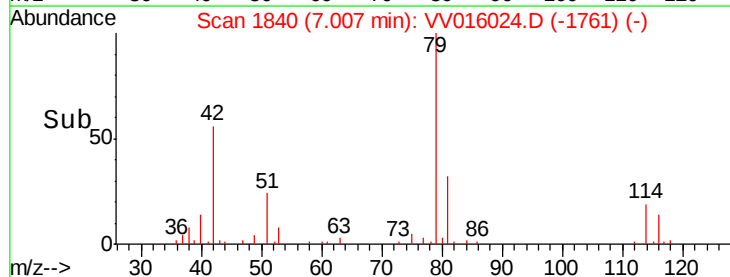
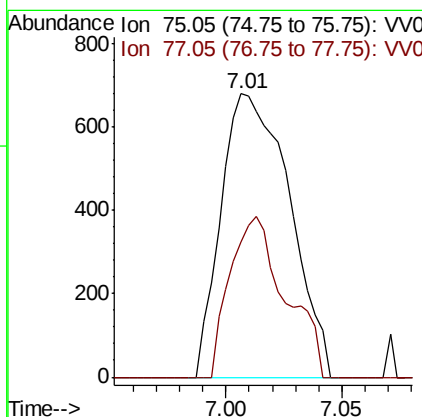
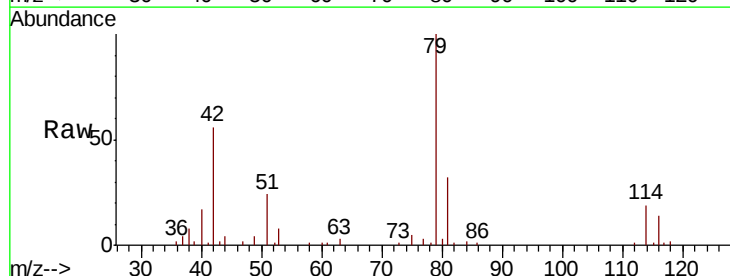
Instrument :
 MSVOA_V
 ClientSampleId :

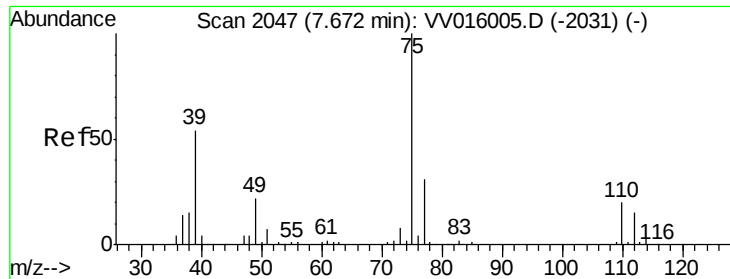
Tot Ion: 63 Resp: 6113
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.115 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV016024.D
 Acq: 12 May 2020 19:22

Tgt Ion: 75 Resp: 1390
 Ion Ratio Lower Upper
 75 100
 77 47.8 21.3 39.5#





#46

trans-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.65 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VV016024.D

Acq: 12 May 2020 19:22

Instrument :

MSVOA_V

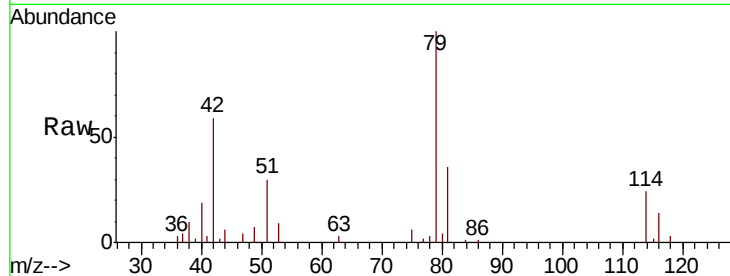
ClientSampleId :

Tot Ion: 75 Resp: 750

Ion Ratio Lower Upper

75 100

77 38.5 21.3 39.6



Abundance Ion 75.05 (74.75 to 75.75): VV016005.D (-2031) (-)

Ion 77.05 (76.75 to 77.75): VV016005.D (-2031) (-)

75 100

77 38.5 21.3 39.6

79 100

86 38.5 21.3 39.6

114 100

116 38.5 21.3 39.6

118 100

120 38.5 21.3 39.6

122 100

124 38.5 21.3 39.6

126 100

128 38.5 21.3 39.6

130 100

132 38.5 21.3 39.6

134 100

136 38.5 21.3 39.6

138 100

140 38.5 21.3 39.6

142 100

144 38.5 21.3 39.6

146 100

148 38.5 21.3 39.6

150 100

152 38.5 21.3 39.6

154 100

156 38.5 21.3 39.6

158 100

160 38.5 21.3 39.6

162 100

164 38.5 21.3 39.6

166 100

168 38.5 21.3 39.6

170 100

172 38.5 21.3 39.6

174 100

176 38.5 21.3 39.6

178 100

180 38.5 21.3 39.6

182 100

184 38.5 21.3 39.6

186 100

188 38.5 21.3 39.6

190 100

192 38.5 21.3 39.6

194 100

196 38.5 21.3 39.6

198 100

200 38.5 21.3 39.6

202 100

204 38.5 21.3 39.6

206 100

208 38.5 21.3 39.6

210 100

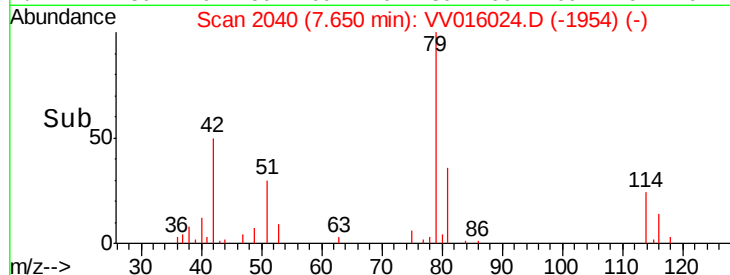
212 38.5 21.3 39.6

214 100

216 38.5 21.3 39.6

218 100

220 38.5 21.3 39.6



#49

Tetrachloroethene

Concen: 1.022 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV016024.D

Acq: 12 May 2020 19:22

Tgt Ion: 164 Resp: 6868

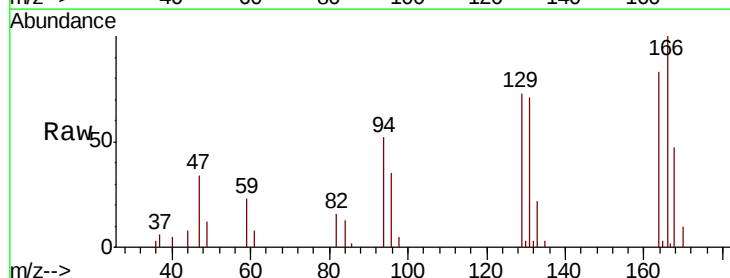
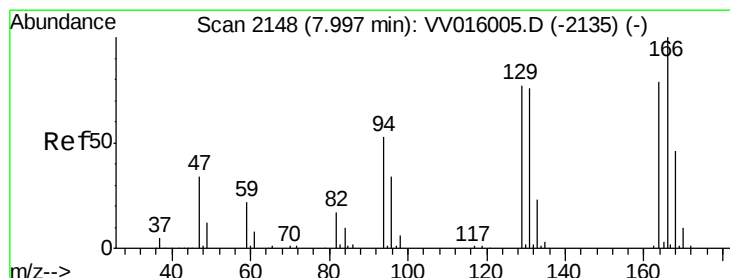
Ion Ratio Lower Upper

164 100

129 88.8 69.7 129.4

131 85.7 66.8 124.2

166 121.1 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016005.D (-2135) (-)

Ion 128.95 (128.65 to 129.65): VV016005.D (-2135) (-)

Ion 130.95 (130.65 to 131.65): VV016005.D (-2135) (-)

Ion 165.90 (165.60 to 166.60): VV016005.D (-2135) (-)

164 100

129 88.8 69.7 129.4

131 85.7 66.8 124.2

166 121.1 89.1 165.5

168 100

170 38.5 21.3 39.6

172 100

174 38.5 21.3 39.6

176 100

178 38.5 21.3 39.6

180 100

182 38.5 21.3 39.6

184 100

186 38.5 21.3 39.6

188 100

190 38.5 21.3 39.6

192 100

194 38.5 21.3 39.6

196 100

198 38.5 21.3 39.6

200 100

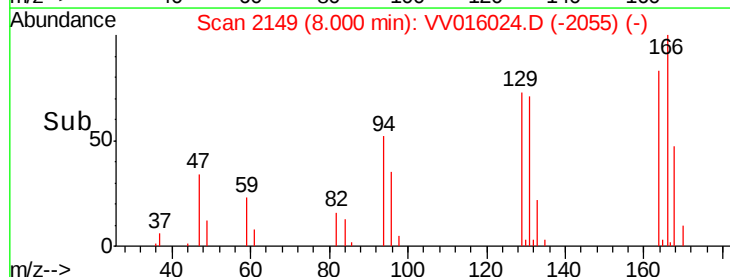
202 38.5 21.3 39.6

204 100

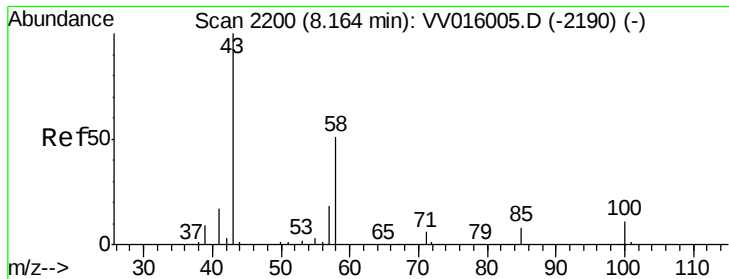
206 38.5 21.3 39.6

208 100

210 38.5 21.3 39.6



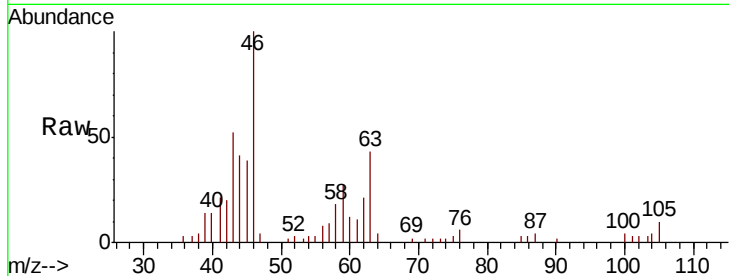
Time-->



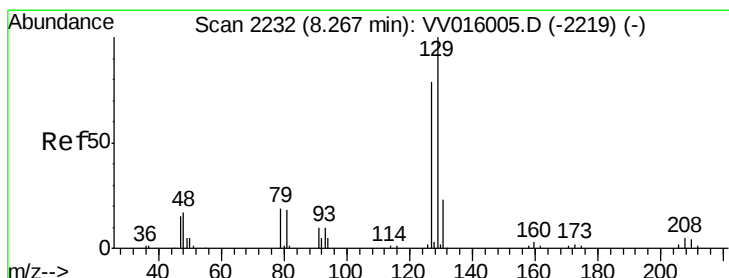
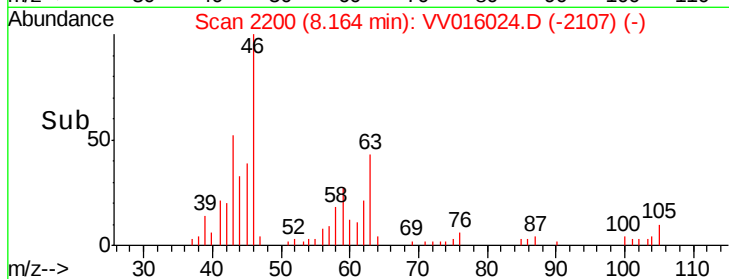
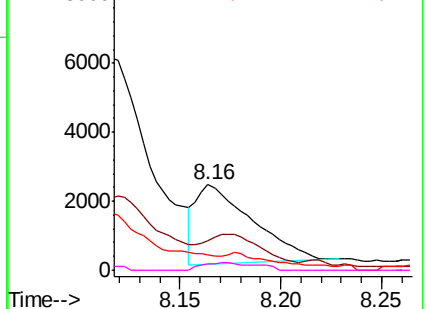
#50
2-Hexanone
Concen: 1.175 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV016024.D
Acq: 12 May 2020 19:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 4440
Ion Ratio Lower Upper
43 100
58 44.1 40.8 61.2
57 13.5 14.7 22.1#
100 9.4 9.0 13.6

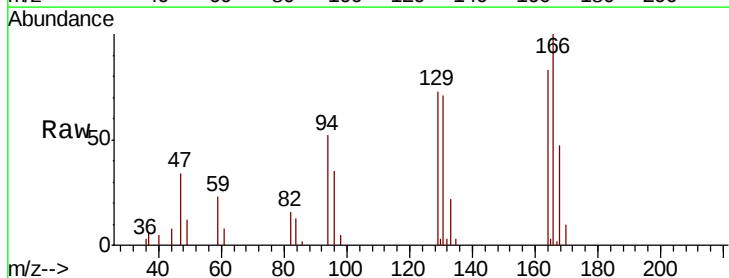


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0



#51
Dibromochloromethane
Concen: 1.007 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV016024.D
Acq: 12 May 2020 19:22

Tgt Ion: 129 Resp: 6478
Ion Ratio Lower Upper
129 100
127 0.0 56.0 104.0#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

