

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017953.D
 Acq On : 13 Aug 2020 02:30
 Operator : SY/MD
 Sample : L3644-14
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L75

Quant Time: Aug 13 06:02:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	247120	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	241962	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	111340	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84584	44.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.72%
7) Chloroethane-d5	1.58	69	71620	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.86%
11) 1,1-Dichloroethene-d2	2.12	63	139918	38.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.58%
21) 2-Butanone-d5	3.91	46	124142	100.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.53%
24) Chloroform-d	4.38	84	156247	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.04%
26) 1,2-Dichloroethane-d4	5.06	65	110146	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
32) Benzene-d6	5.08	84	319884	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.94%
36) 1,2-Dichloropropane-d6	6.09	67	107344	49.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.48%
41) Toluene-d8	7.34	98	282494	47.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.22%
43) trans-1,3-Dichloropropene-	7.64	79	45193	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.42%
47) 2-Hexanone-d5	8.11	63	66179	94.60	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.60%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	132216	46.57	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.14%
64) 1,2-Dichlorobenzene-d4	11.65	152	113974	52.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.02%

Target Compounds

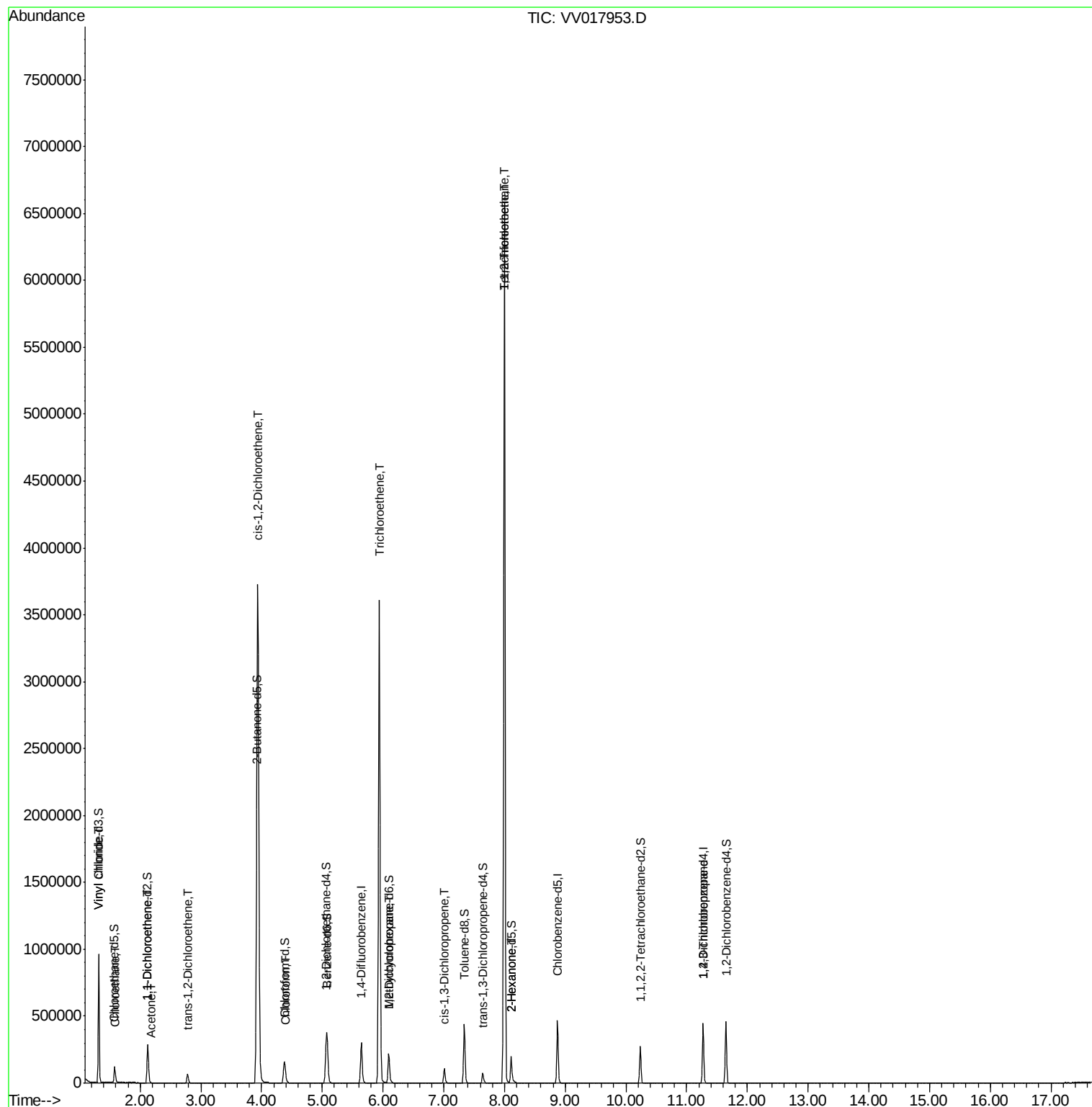
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	513130	233.686	ug/L	100
8) Chloroethane	1.60	64	26699	19.050	ug/L	96
12) 1,1-Dichloroethene	2.13	96	30570	18.442	ug/L #	41
13) Acetone	2.19	43	1416	1.110	ug/L	69
17) trans-1,2-Dichloroethene	2.78	96	23841	13.991	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	2021845	1079.741	ug/L	100
25) Chloroform	4.40	83	6628	1.897	ug/L	97
34) Trichloroethene	5.94	95	1247760	630.582	ug/L	99
35) Methylcyclohexane	6.09	83	25465	8.655	ug/L #	17
39) cis-1,3-Dichloropropene	7.01	75	2741	0.947	ug/L #	74
45) 1,1,2-Trichloroethane	8.00	97	12122	6.412	ug/L #	1
46) Tetrachloroethene	8.00	164	1431291	986.284	ug/L	99
48) 2-Hexanone	8.11	43	8046	3.739	ug/L #	73
59) 1,2,3-Trichloropropane	11.27	75	13953	5.534	ug/L	91

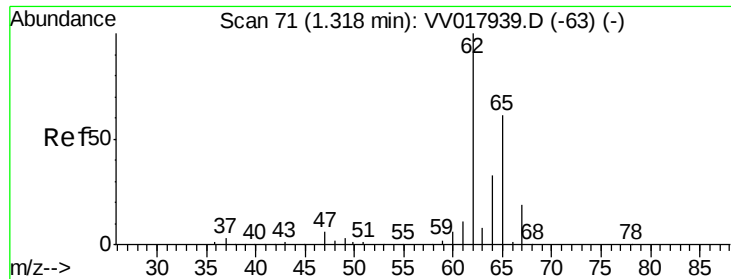
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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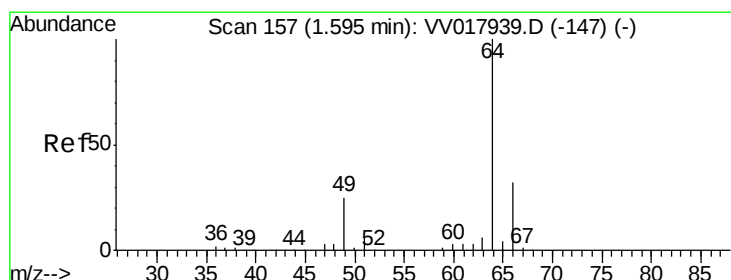
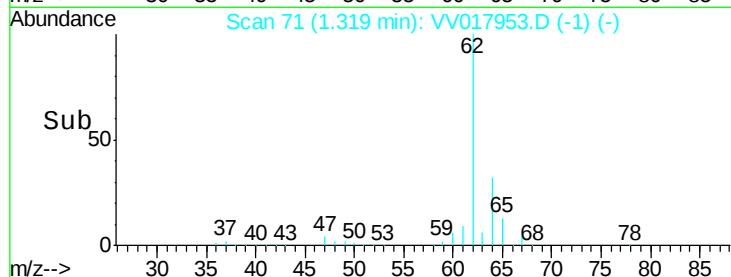
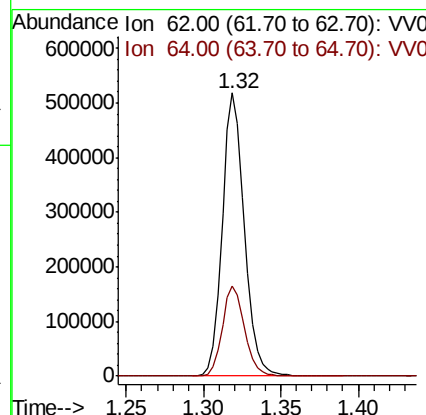
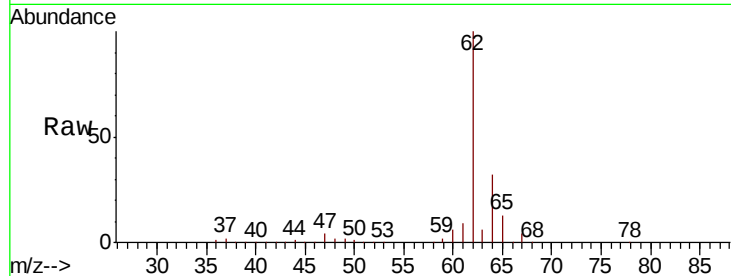




#5
 Vinyl chloride
 Concen: 233.686 ug/L
 RT: 1.32 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VV017953.D
 Acq: 13 Aug 2020 02:30

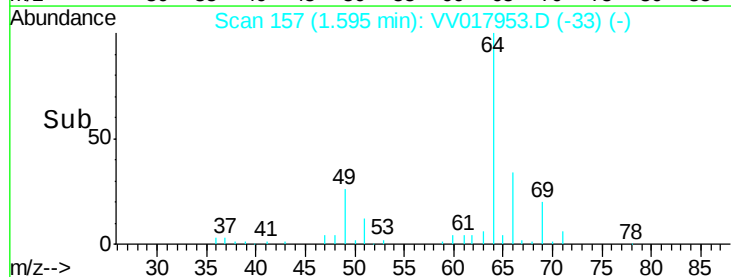
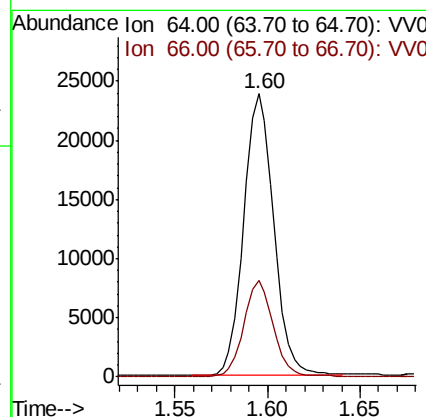
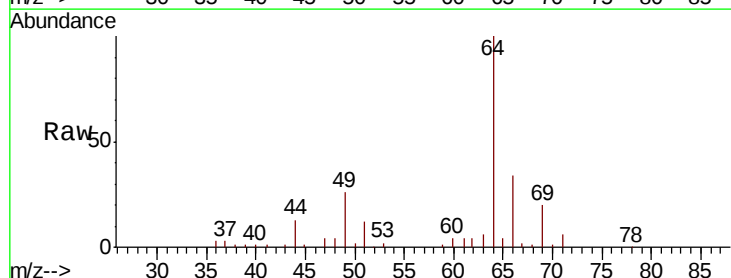
Instrument :
 MSVOA_V
 ClientSampled :
 F2L75

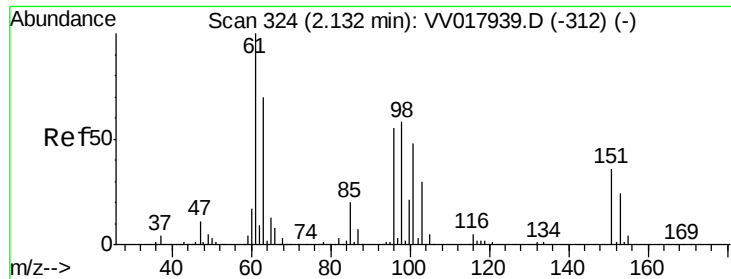
Tot Ion: 62 Resp: 513130
 Ion Ratio Lower Upper
 62 100
 64 32.1 22.4 41.6



#8
 Chloroethane
 Concen: 19.050 ug/L
 RT: 1.60 min Scan# 157
 Delta R.T. 0.00 min
 Lab File: VV017953.D
 Acq: 13 Aug 2020 02:30

Tgt Ion: 64 Resp: 26699
 Ion Ratio Lower Upper
 64 100
 66 34.0 22.3 41.3





#12

1,1-Dichloroethene

Concen: 18.442 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

Instrument :
MSVOA_V
ClientSampled :
F2L75

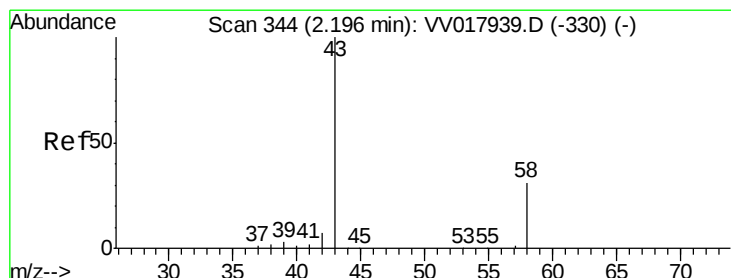
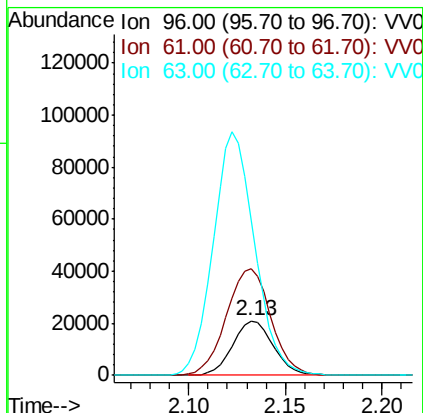
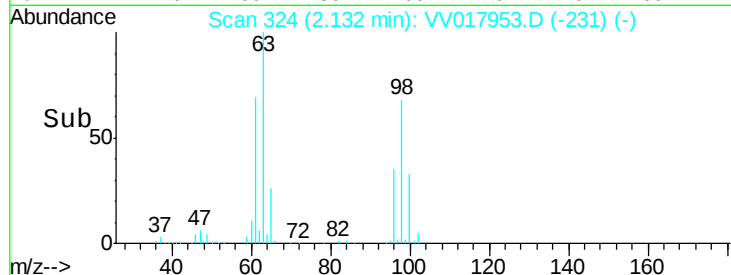
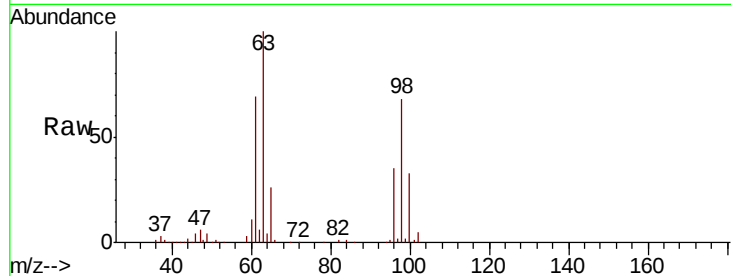
Tot Ion: 96 Resp: 30570

Ion Ratio Lower Upper

96 100

61 196.0 127.1 236.0

63 285.8 95.2 176.8#



#13

Acetone

Concen: 1.110 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017953.D

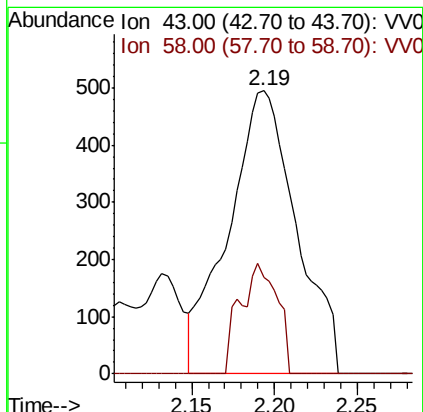
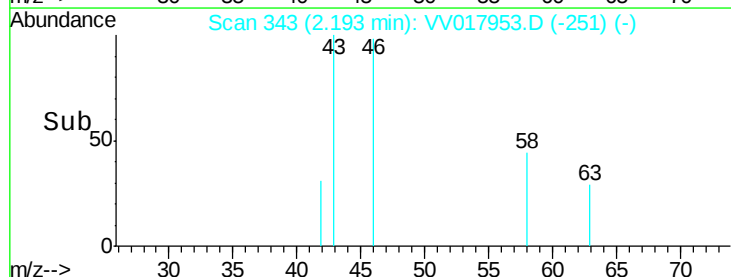
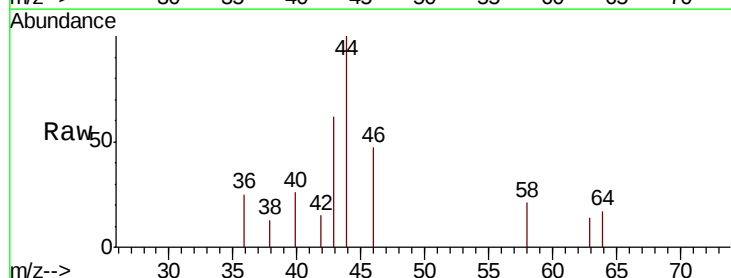
Acq: 13 Aug 2020 02:30

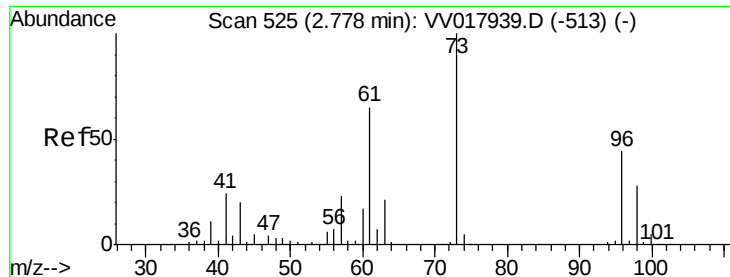
Tgt Ion: 43 Resp: 1416

Ion Ratio Lower Upper

43 100

58 14.7 0.0 63.6





#17

trans-1,2-Dichloroethene

Concen: 13.991 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

Instrument :

MSVOA_V

ClientSampleId :

F2L75

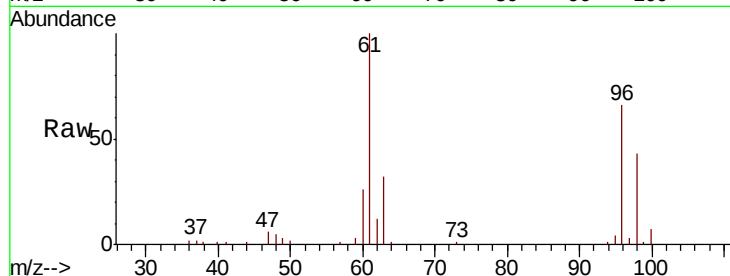
Tot Ion: 96 Resp: 23841

Ion Ratio Lower Upper

96 100

61 152.5 102.4 190.2

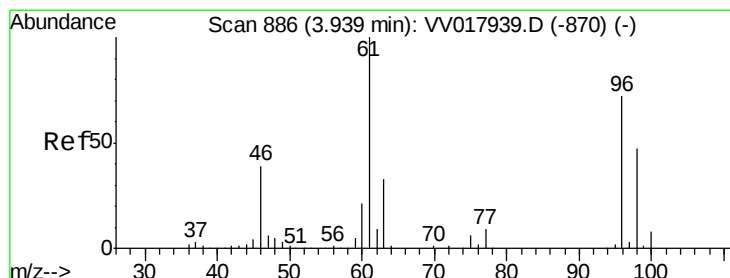
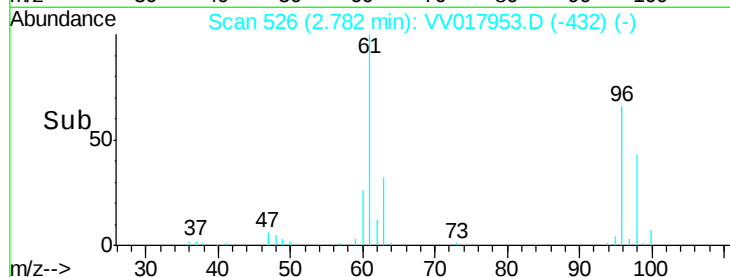
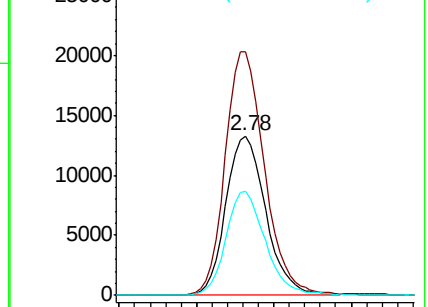
98 65.0 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1079.741 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

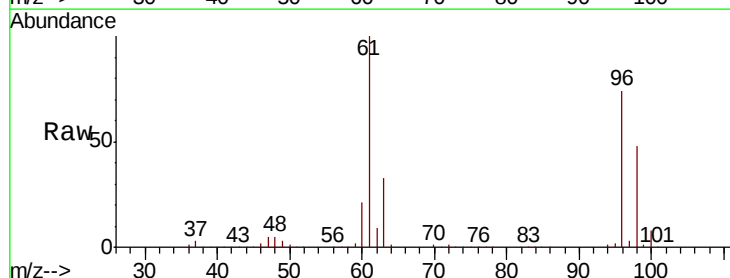
Tgt Ion: 96 Resp: 2021845

Ion Ratio Lower Upper

96 100

61 135.3 95.0 176.4

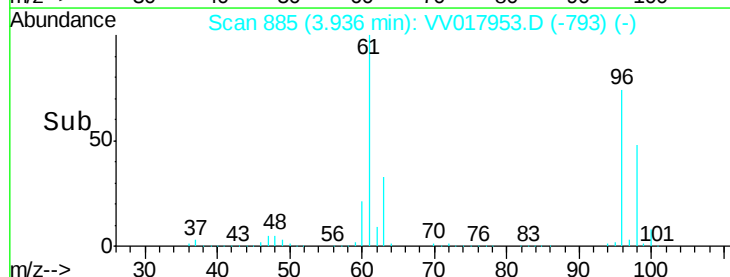
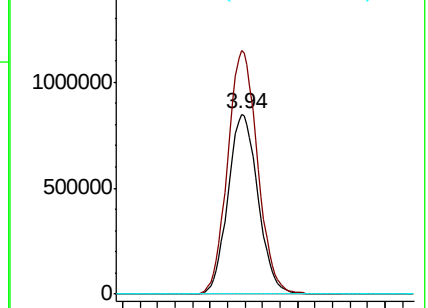
68 0.0 0.0 0.0

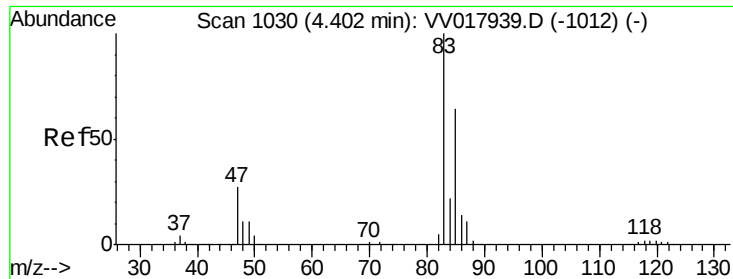


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

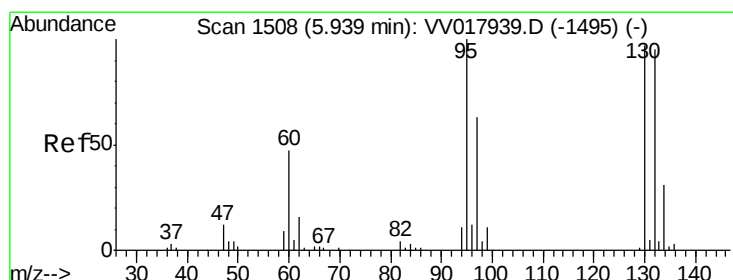
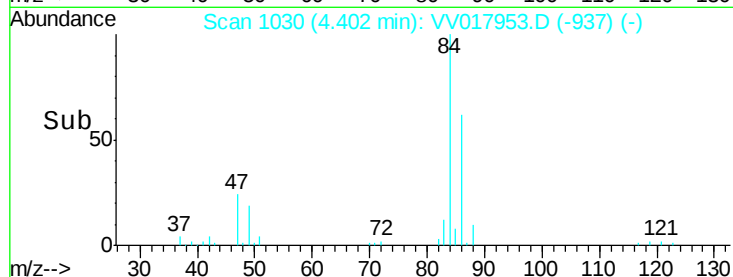
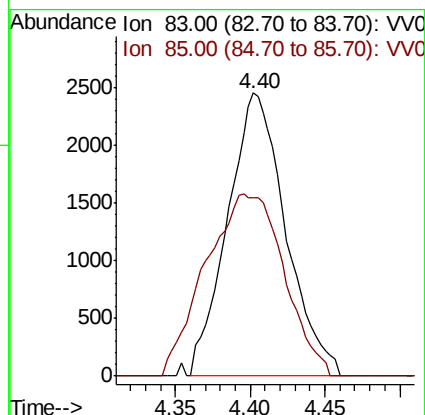
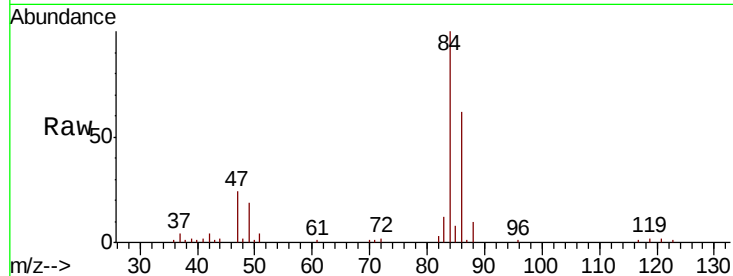




#25
Chloroform
Concen: 1.897 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV017953.D
Acq: 13 Aug 2020 02:30

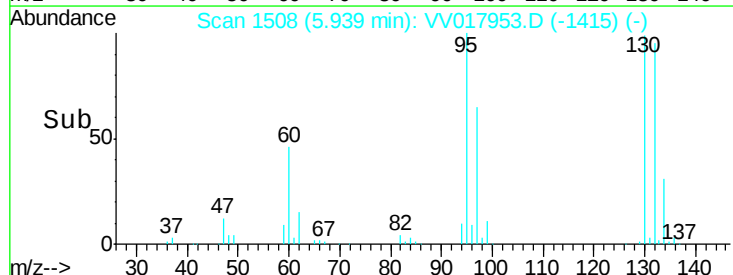
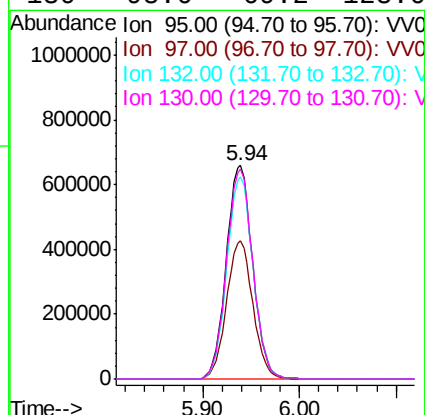
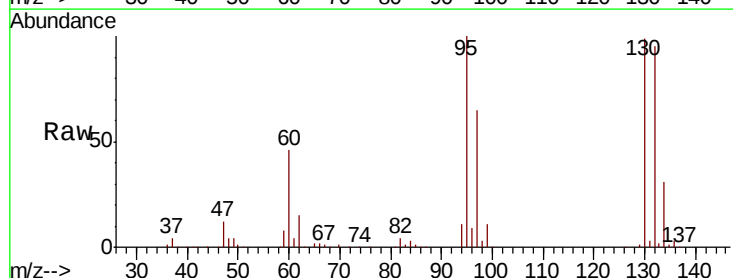
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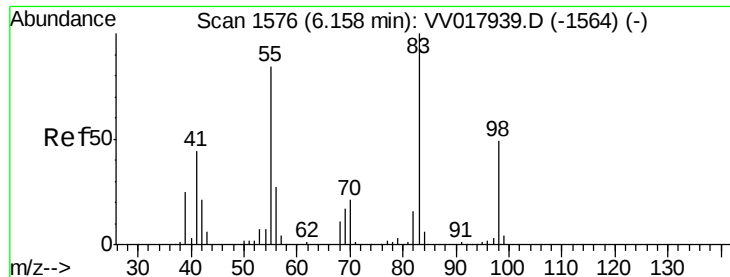
Tot Ion: 83 Resp: 6628
Ion Ratio Lower Upper
83 100
85 63.0 45.5 84.5



#34
Trichloroethene
Concen: 630.582 ug/L
RT: 5.94 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VV017953.D
Acq: 13 Aug 2020 02:30

Tgt Ion: 95 Resp: 1247760
Ion Ratio Lower Upper
95 100
97 64.5 46.0 85.4
132 94.6 65.8 122.2
130 98.6 69.2 128.6

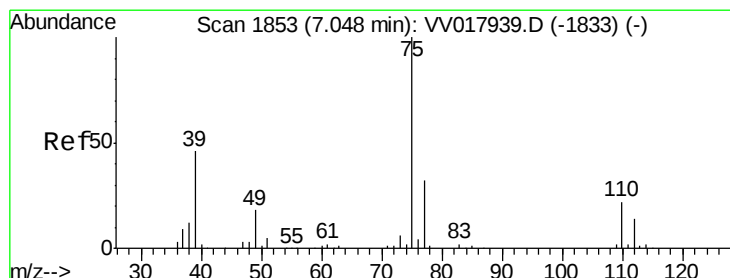
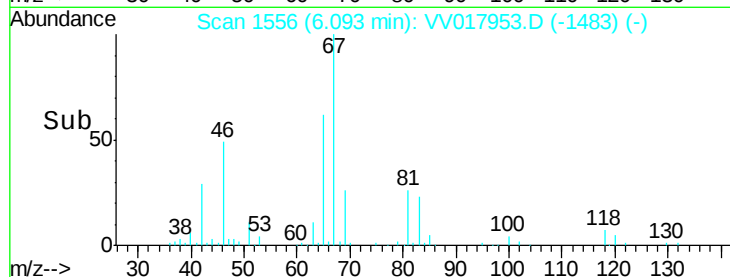
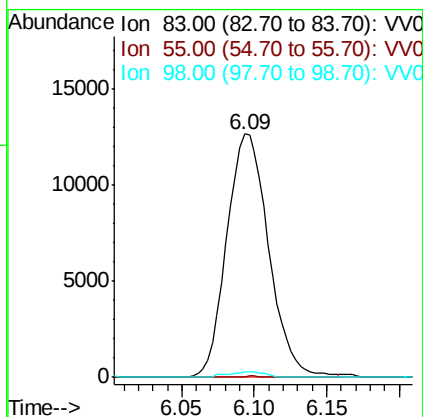
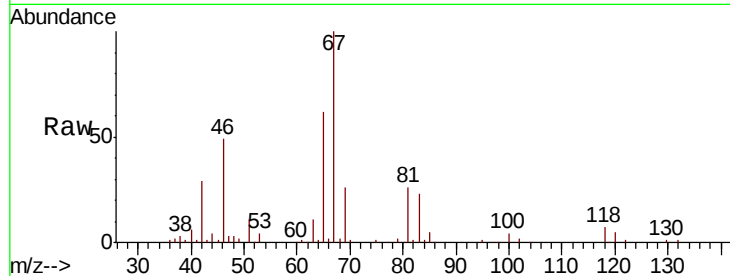




#35
Methvlcvclohexane
Concen: 8.655 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017953.D
Acq: 13 Aug 2020 02:30

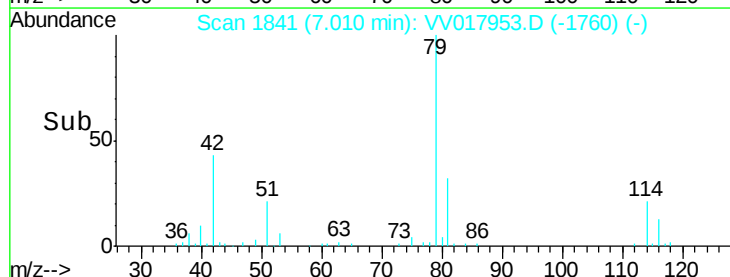
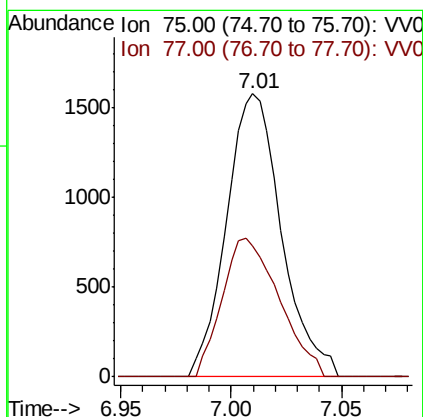
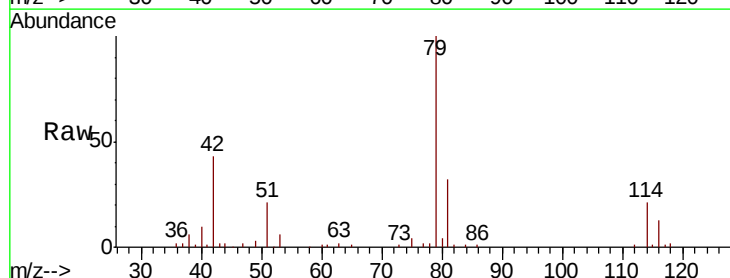
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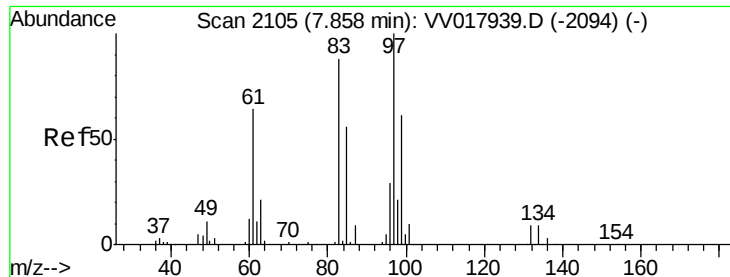
Tot Ion: 83 Resp: 25465
Ion Ratio Lower Upper
83 100
55 0.2 64.9 97.3#
98 1.9 38.7 58.1#



#39
cis-1,3-Dichloropropene
Concen: 0.947 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017953.D
Acq: 13 Aug 2020 02:30

Tgt Ion: 75 Resp: 2741
Ion Ratio Lower Upper
75 100
77 46.1 22.3 41.5#





#45

1,1,2-Trichloroethane

Concen: 6.412 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.14 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

Instrument :

MSVOA_V

ClientSampleId :

F2L75

Tot Ion: 97 Resp: 12122

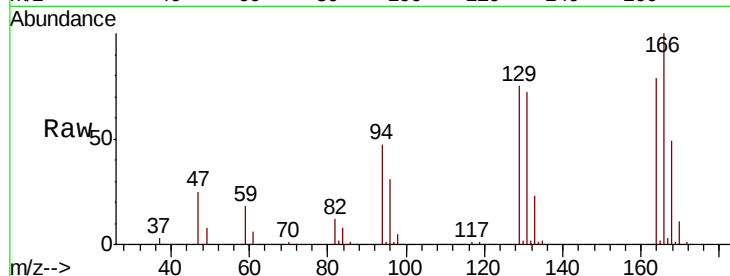
Ion Ratio Lower Upper

97 100

99 16.6 44.2 82.2#

83 288.8 61.0 113.4#

85 39.8 39.5 73.4



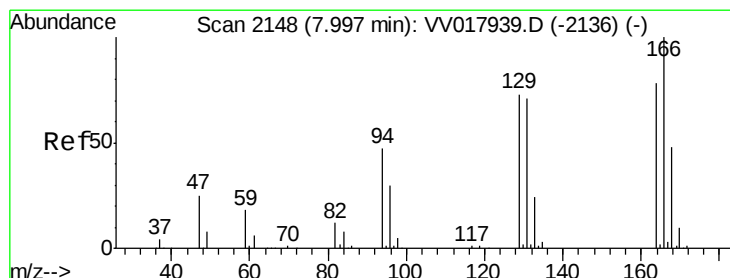
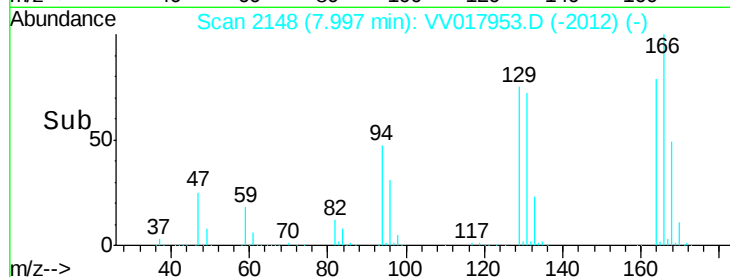
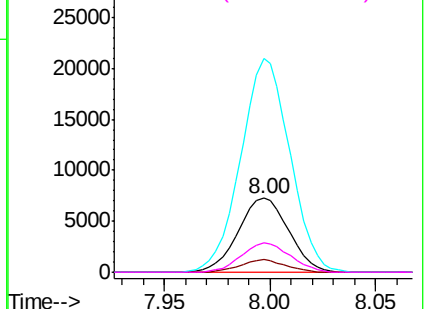
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 986.284 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV017953.D

Acq: 13 Aug 2020 02:30

Tgt Ion: 164 Resp: 1431291

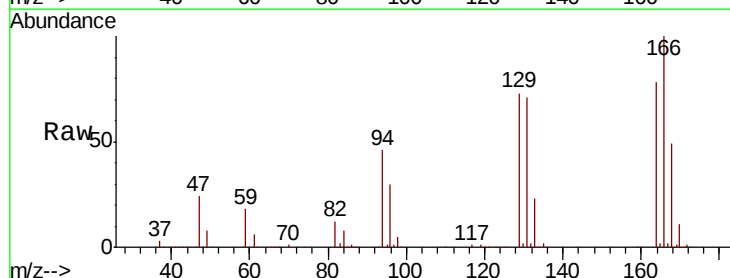
Ion Ratio Lower Upper

164 100

129 93.6 64.8 120.3

131 90.7 64.5 119.9

166 127.5 88.9 165.1



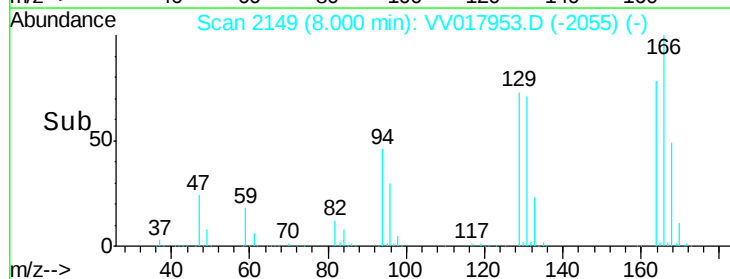
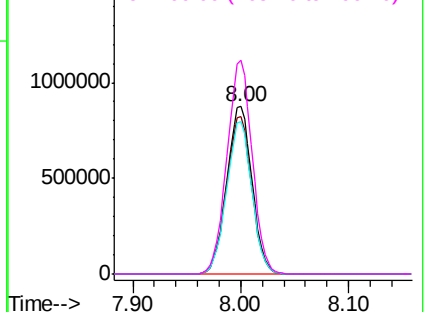
Abundance

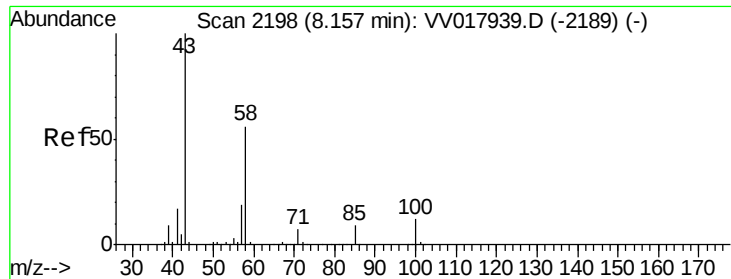
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

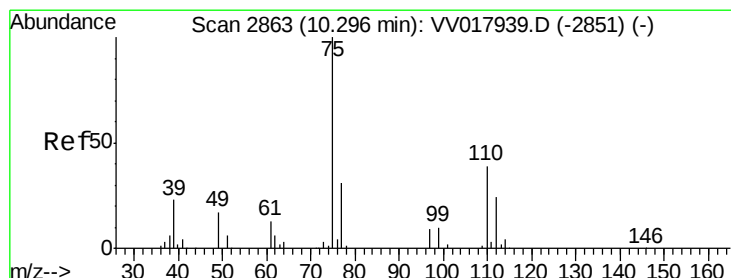
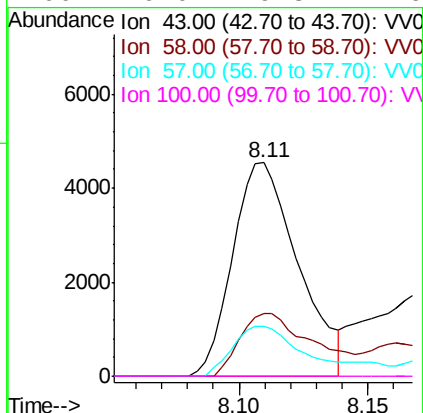
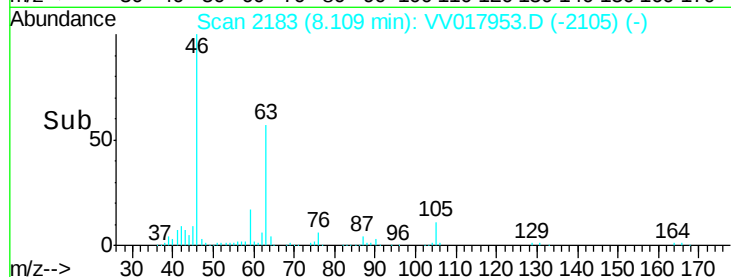
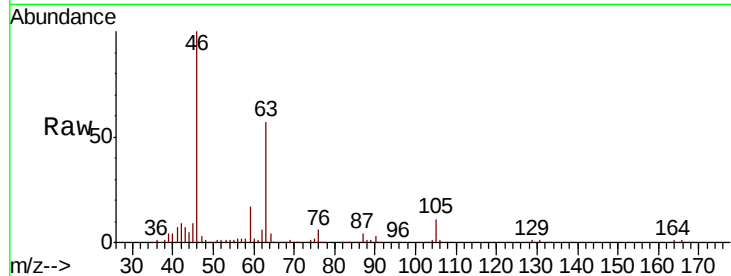




#48
2-Hexanone
Concen: 3.739 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV017953.D
Acq: 13 Aug 2020 02:30

Instrument :
MSVOA_V
ClientSampleId :
F2L75

Tot Ion: 43 Resp: 8046
Ion Ratio Lower Upper
43 100
58 32.9 44.4 66.6#
57 25.5 15.2 22.8#
100 0.0 9.8 14.6#



#59
1,2,3-Trichloropropane
Concen: 5.534 ug/L
RT: 11.27 min Scan# 3166
Delta R.T. 0.97 min
Lab File: VV017953.D
Acq: 13 Aug 2020 02:30

Tgt Ion: 75 Resp: 13953
Ion Ratio Lower Upper
75 100
77 36.9 25.7 38.5

