

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080720\
 Data File : VV017838.D
 Acq On : 07 Aug 2020 14:29
 Operator : SY/MD
 Sample : L3590-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L55

Quant Time: Aug 08 00:25:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 08 00:22:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	219665	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	216310	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	118024	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40721	38.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.04%
7) Chloroethane-d5	1.58	69	41569	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.90%
11) 1,1-Dichloroethene-d2	2.12	63	87381	33.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.90%
21) 2-Butanone-d5	3.91	46	79464	98.66	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.66%
24) Chloroform-d	4.38	84	145684	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
26) 1,2-Dichloroethane-d4	5.06	65	113616	53.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.26%
32) Benzene-d6	5.07	84	242235	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.66%
36) 1,2-Dichloropropane-d6	6.09	67	64812	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.72%
41) Toluene-d8	7.34	98	242200	48.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.52%
43) trans-1,3-Dichloropropene-	7.64	79	19351	20.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	41.44%#
47) 2-Hexanone-d5	8.11	63	56266	92.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.62%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	102037	47.81	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.62%
64) 1,2-Dichlorobenzene-d4	11.65	152	126938	54.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.58%

Target Compounds

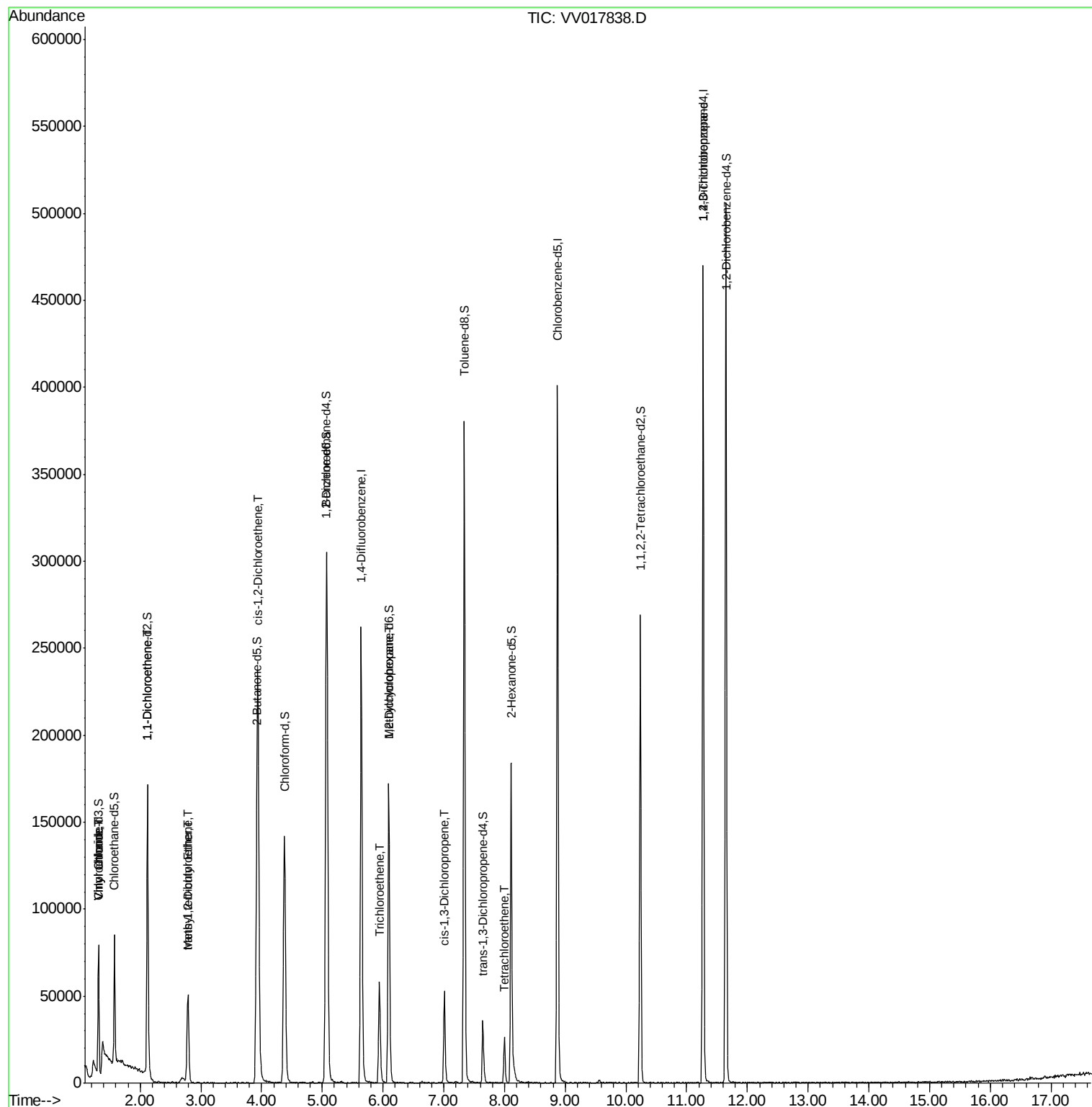
					Ovalue
5) Vinyl chloride	1.32	62	5108	3.278 ug/L #	26
8) Chloroethane	1.32	64	2733	2.897 ug/L	98
12) 1,1-Dichloroethene	2.13	96	946	0.716 ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	1254	0.841 ug/L #	67
18) Methyl tert-butyl Ether	2.78	73	49338	10.069 ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	123611	77.631 ug/L	100
34) Trichloroethene	5.94	95	17815	10.684 ug/L	98
35) Methylcyclohexane	6.09	83	20222	8.267 ug/L #	19
39) cis-1,3-Dichloropropene	7.00	75	1511	0.612 ug/L	90
46) Tetrachloroethene	8.00	164	6447	4.364 ug/L	89
59) 1,2,3-Trichloropropane	11.27	75	9956	5.088 ug/L #	66

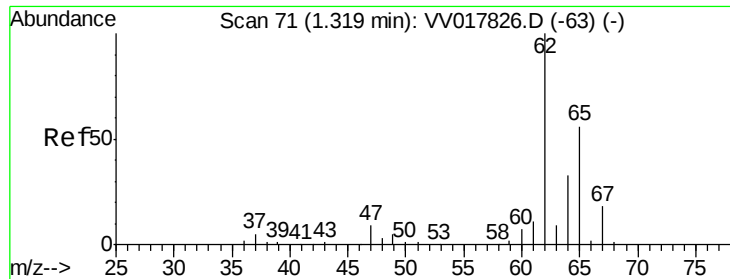
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 08 00:22:47 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.278 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017838.D

Acq: 07 Aug 2020 14:29

Instrument :

MSVOA_V

ClientSampleID :

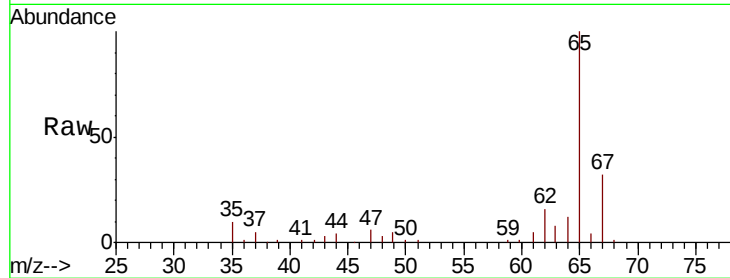
F2L55

Tot Ion: 62 Resp: 5108

Ion Ratio Lower Upper

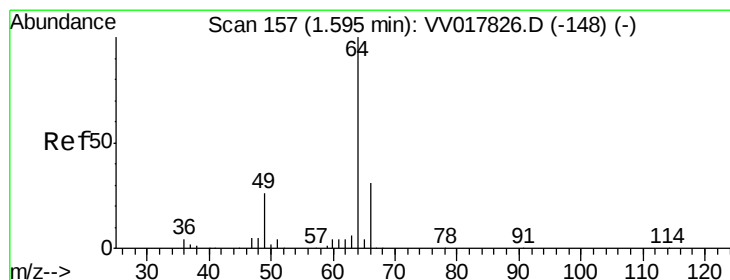
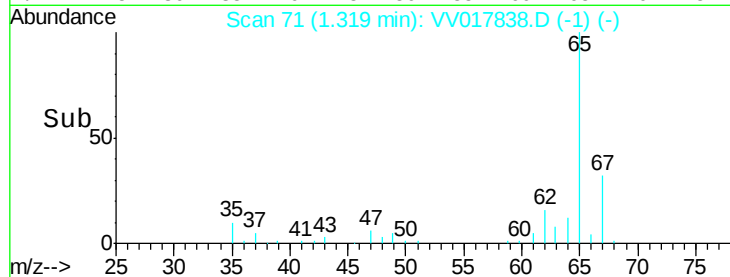
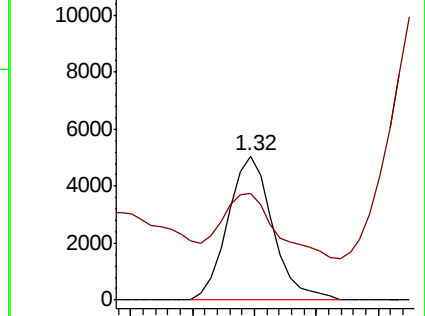
62 100

64 74.5 22.9 42.5#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 2.897 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV017838.D

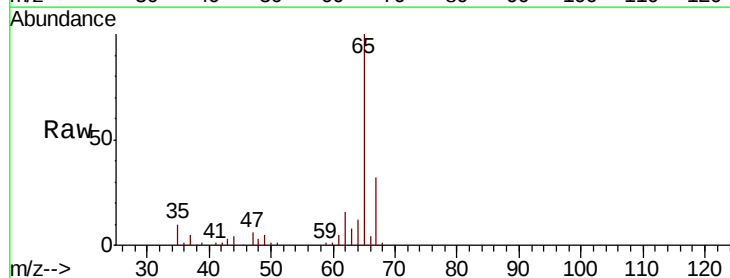
Acq: 07 Aug 2020 14:29

Tgt Ion: 64 Resp: 2733

Ion Ratio Lower Upper

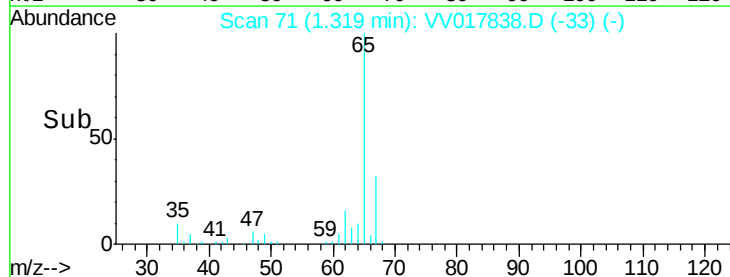
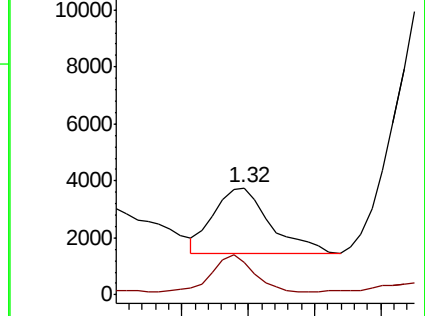
64 100

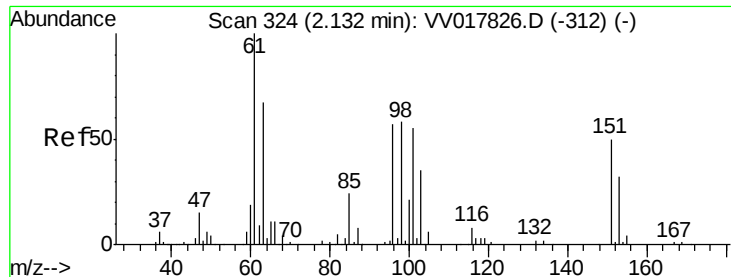
66 30.6 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#12

1,1-Dichloroethene

Concen: 0.716 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017838.D

Acq: 07 Aug 2020 14:29

Instrument :

MSVOA_V

ClientSampled :

F2L55

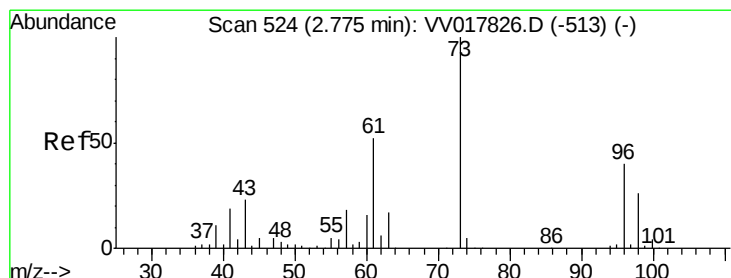
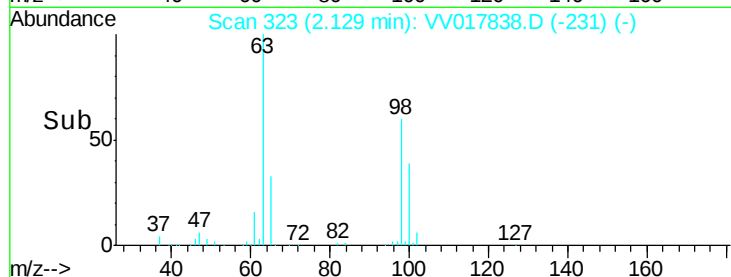
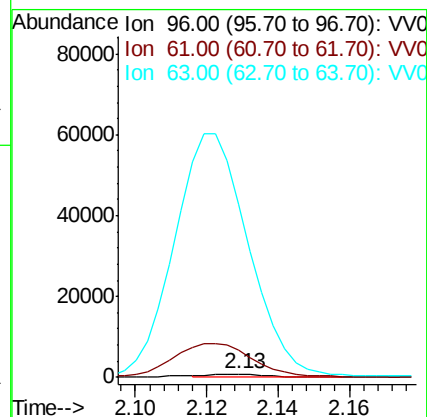
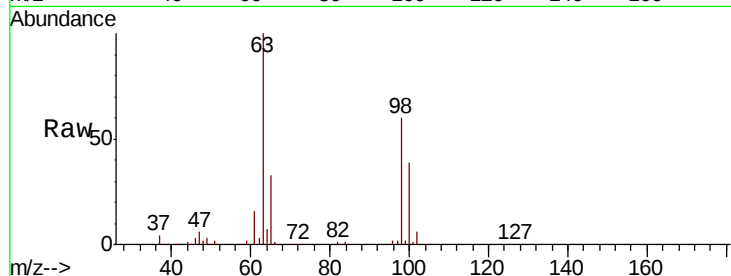
Tot Ion: 96 Resp: 946

Ion Ratio Lower Upper

96 100

61 922.1 131.0 243.2#

63 5816.9 88.5 164.3#



#17

trans-1,2-Dichloroethene

Concen: 0.841 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017838.D

Acq: 07 Aug 2020 14:29

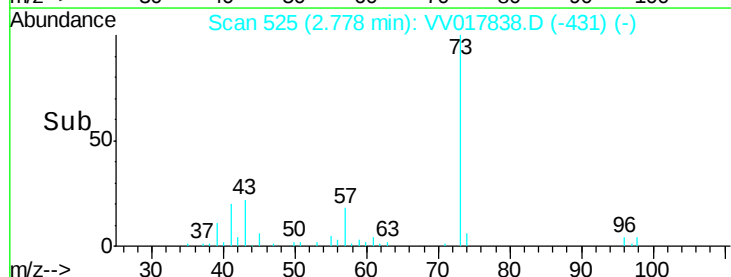
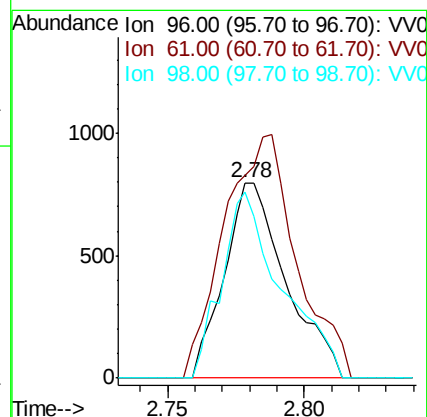
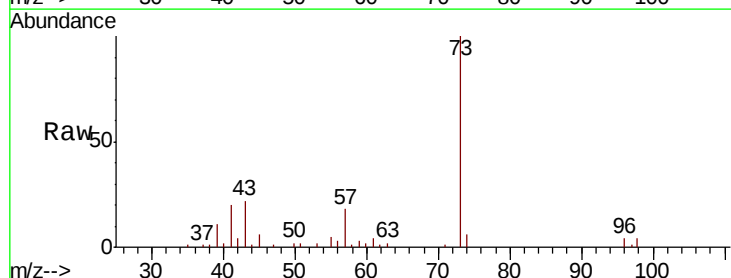
Tgt Ion: 96 Resp: 1254

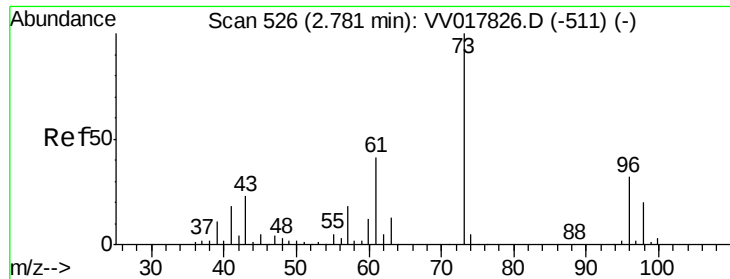
Ion Ratio Lower Upper

96 100

61 104.1 96.2 178.8

98 95.1 43.2 80.2#

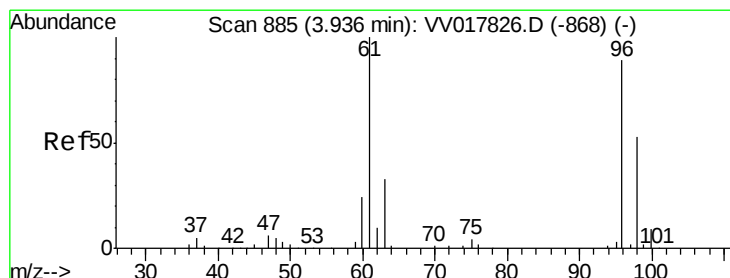
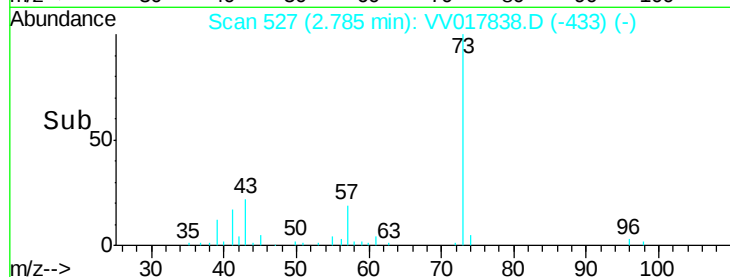
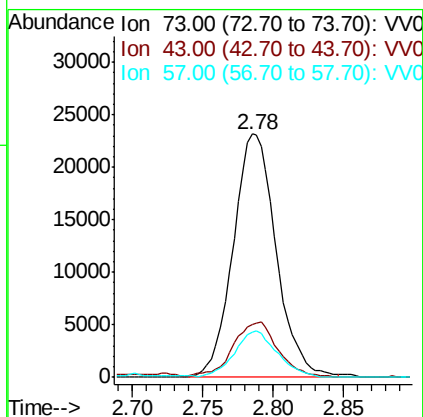
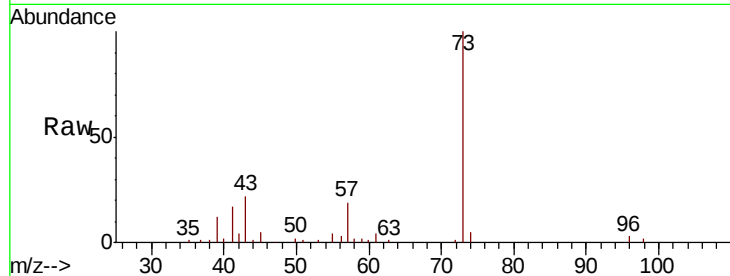




#18
Methvl tert-butvl Ether
Concen: 10.069 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV017838.D
Acq: 07 Aug 2020 14:29

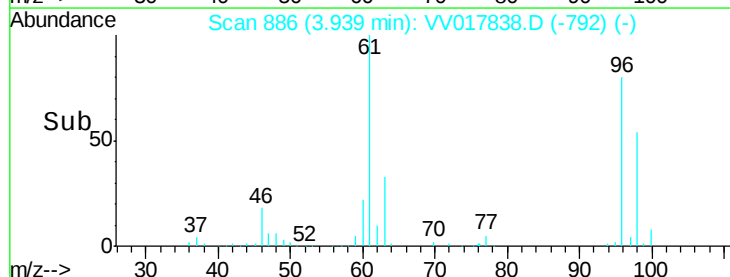
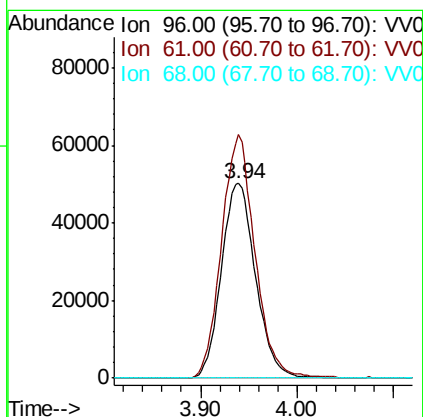
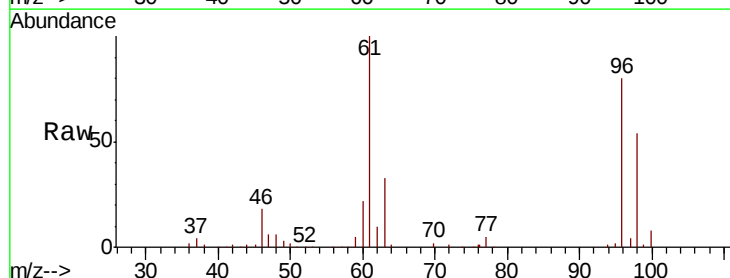
Instrument :
MSVOA_V
ClientSampled :
F2L55

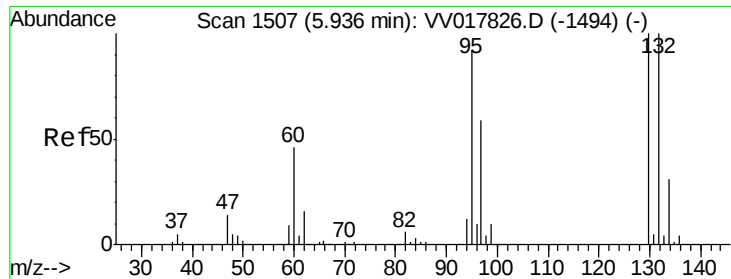
Tot Ion: 73 Resp: 49338
Ion Ratio Lower Upper
73 100
43 24.1 18.1 27.1
57 19.1 16.0 24.0



#20
cis-1,2-Dichloroethene
Concen: 77.631 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017838.D
Acq: 07 Aug 2020 14:29

Tgt Ion: 96 Resp: 123611
Ion Ratio Lower Upper
96 100
61 124.9 87.3 162.1
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 10.684 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017838.D

Acq: 07 Aug 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

F2L55

Tot Ion: 95 Resp: 17815

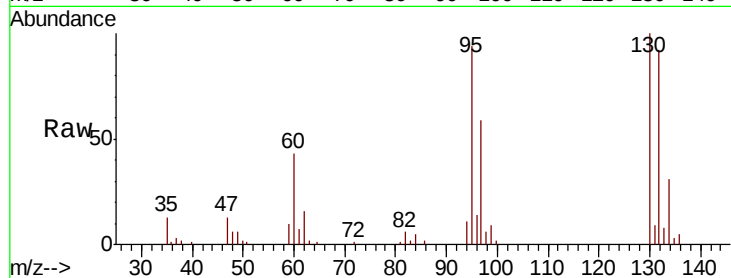
Ion Ratio Lower Upper

95 100

97 63.3 45.3 84.1

132 98.5 71.4 132.6

130 106.8 75.3 139.9



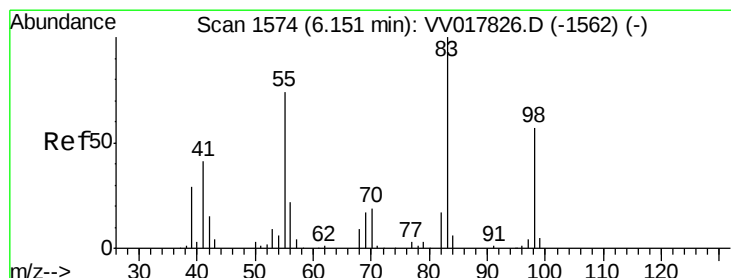
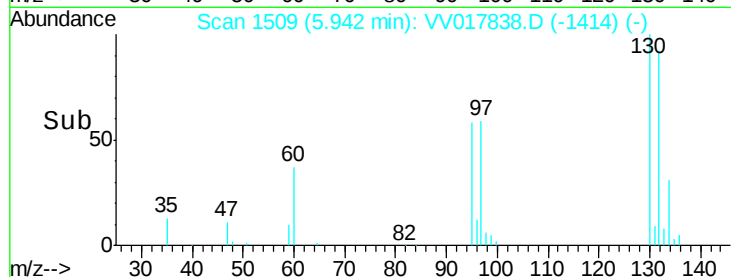
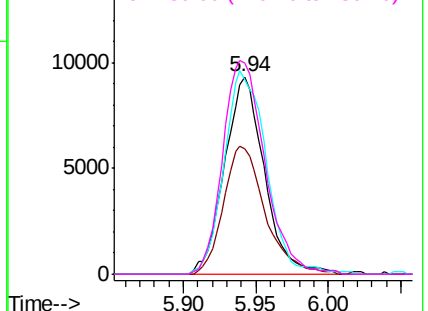
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 8.267 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017838.D

Acq: 07 Aug 2020 14:29

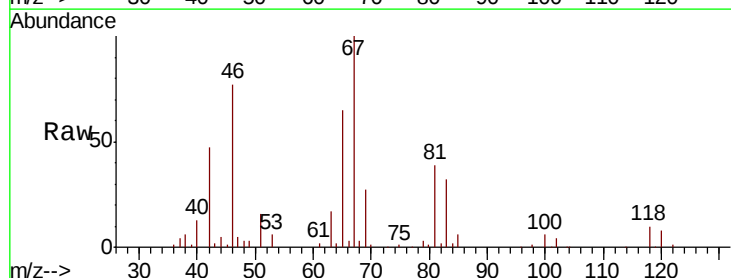
Tgt Ion: 83 Resp: 20222

Ion Ratio Lower Upper

83 100

55 0.0 59.4 89.2#

98 1.0 41.2 61.8#

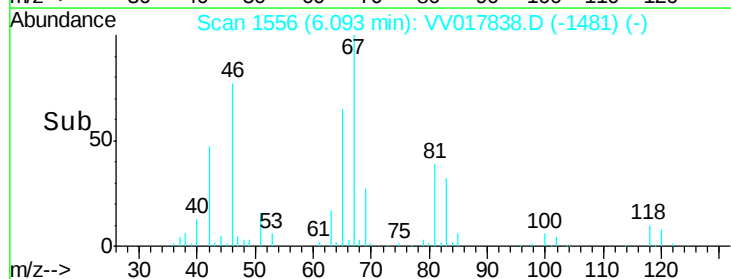
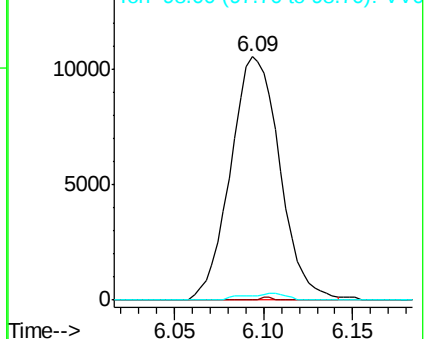


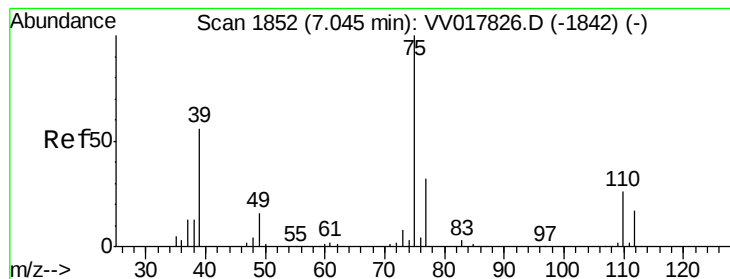
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



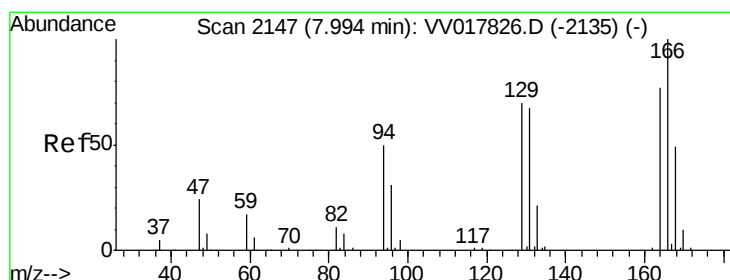
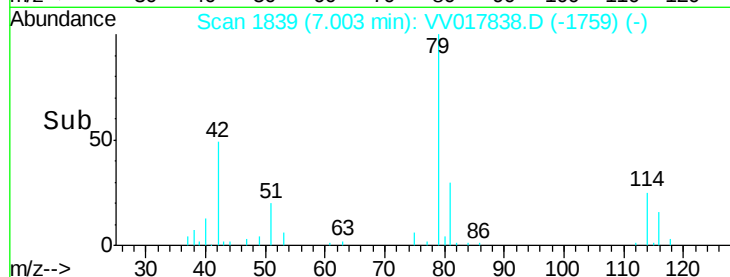
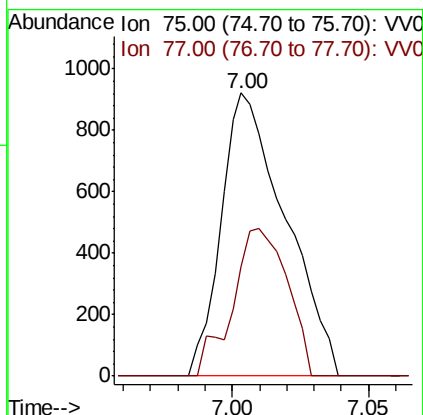
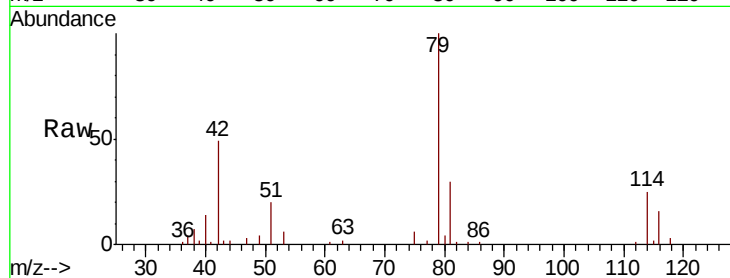


#39

cis-1,3-Dichloropropene
Concen: 0.612 ug/L
RT: 7.00 min Scan# 1839
Delta R.T. -0.04 min
Lab File: VV017838.D
Acq: 07 Aug 2020 14:29

Instrument :
MSVOA_V
ClientSampled :
F2L55

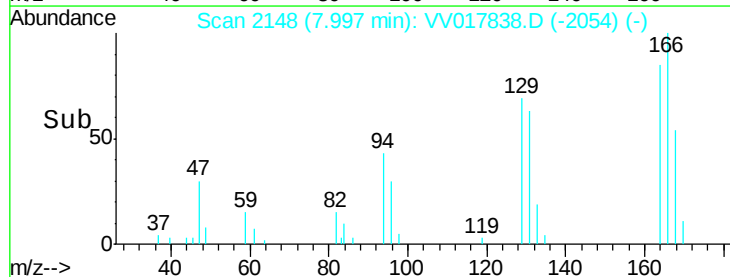
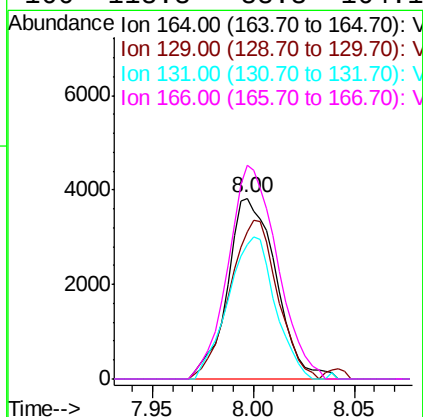
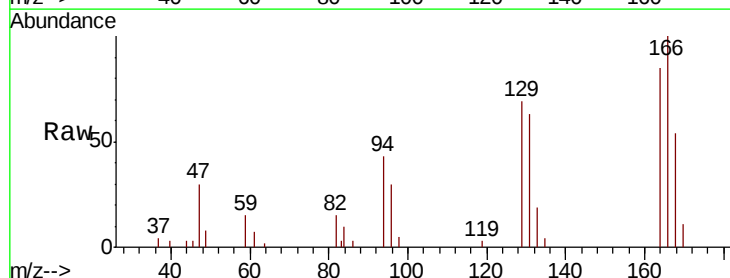
Tot Ion: 75 Resp: 1511
Ion Ratio Lower Upper
75 100
77 38.7 23.2 43.0

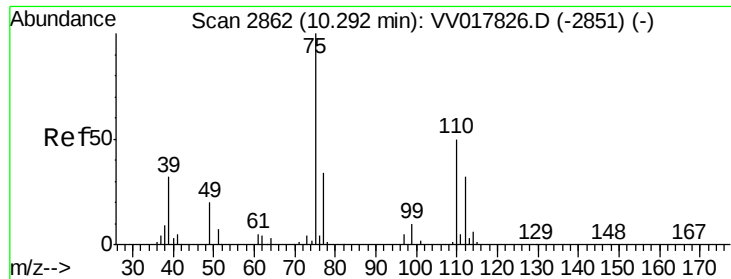


#46

Tetrachloroethene
Concen: 4.364 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017838.D
Acq: 07 Aug 2020 14:29

Tgt Ion: 164 Resp: 6447
Ion Ratio Lower Upper
164 100
129 81.7 63.9 118.7
131 74.3 62.6 116.3
166 118.3 88.3 164.1





#59

1,2,3-Trichloropropane

Concen: 5.088 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017838.D

Acq: 07 Aug 2020 14:29

Instrument :

MSVOA_V

ClientSampleId :

F2L55

Tot Ion: 75 Resp: 9956

Ion Ratio Lower Upper

75 100

77 50.3 25.1 37.7#

