

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017997.D
 Acq On : 14 Aug 2020 15:04
 Operator : SY/MD
 Sample : L3665-13
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M07

Quant Time: Aug 17 01:36:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 17 01:31:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	245530	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	241292	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	113675	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91137	48.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.30%
7) Chloroethane-d5	1.58	69	76978	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.46%
11) 1,1-Dichloroethene-d2	2.12	63	134265	37.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.94%
21) 2-Butanone-d5	3.91	46	117393	95.68	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.68%
24) Chloroform-d	4.38	84	159456	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
26) 1,2-Dichloroethane-d4	5.06	65	113695	51.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.66%
32) Benzene-d6	5.08	84	328355	49.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.76%
36) 1,2-Dichloropropane-d6	6.09	67	108023	49.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.38%
41) Toluene-d8	7.34	98	290802	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%
43) trans-1,3-Dichloropropene-	7.64	79	46349	47.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.00%
47) 2-Hexanone-d5	8.11	63	58572	83.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.96%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	130145	45.97	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.94%
64) 1,2-Dichlorobenzene-d4	11.65	152	115691	51.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.42%

Target Compounds

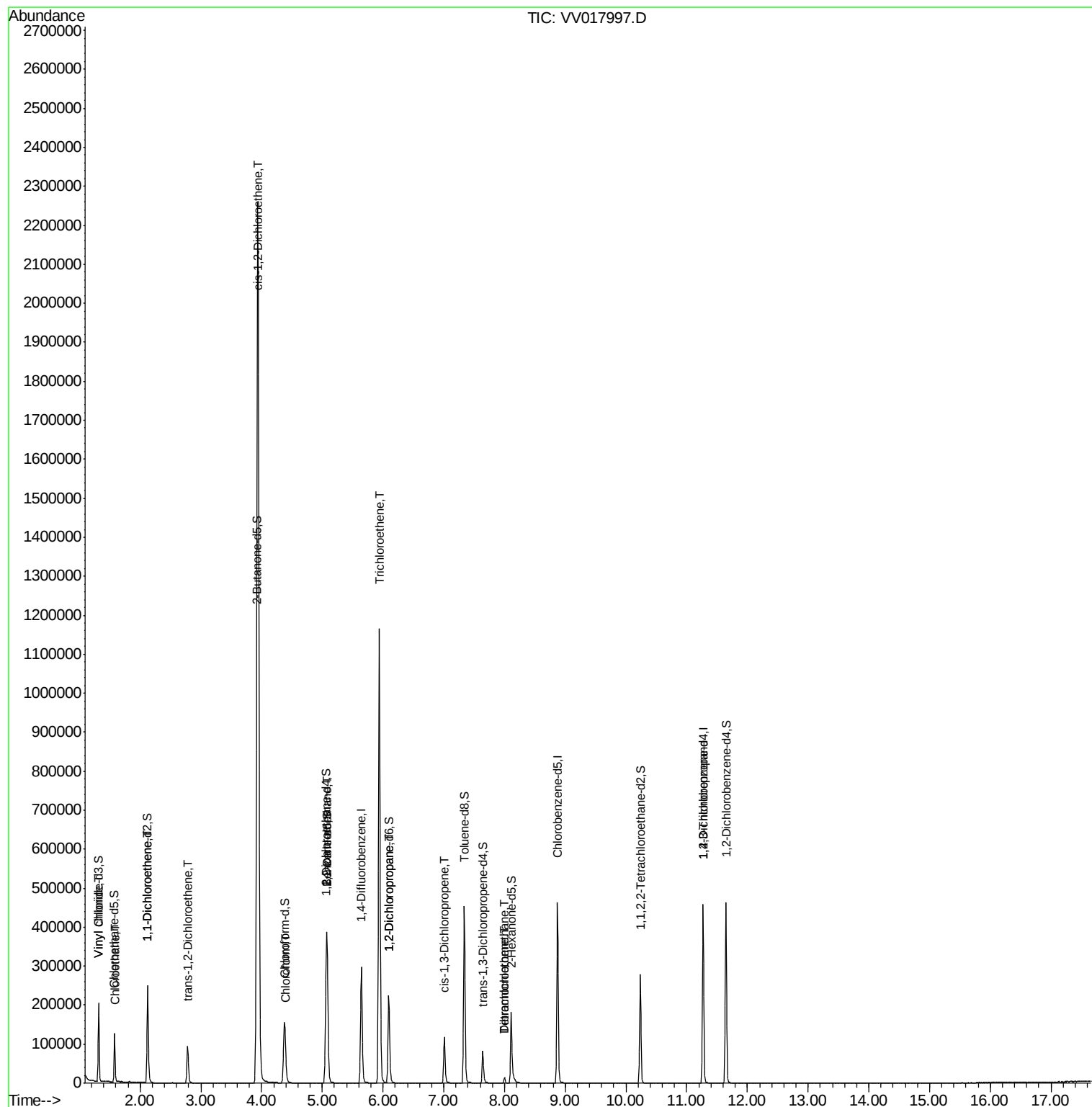
					Ovalue
5) Vinyl chloride	1.32	62	42639	19.544	ug/L 92
8) Chloroethane	1.60	64	1582	1.136	ug/L 86
12) 1,1-Dichloroethene	2.13	96	1946	1.182	ug/L # 1
17) trans-1,2-Dichloroethene	2.78	96	35245	20.818	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	1231364	661.853	ug/L 98
25) Chloroform	4.41	83	7378	2.125	ug/L 99
27) 1,2-Dichloroethane	5.08	62	2129	0.770	ug/L # 75
34) Trichloroethene	5.94	95	402202	203.826	ug/L 99
37) 1,2-Dichloropropane	6.09	63	11845	5.818	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	2759	0.956	ug/L # 76
46) Tetrachloroethene	8.00	164	3178	2.196	ug/L 94
49) Dibromochloromethane	8.00	129	2917	1.585	ug/L # 10
59) 1,2,3-Trichloropropane	11.27	75	13635	5.423	ug/L 91

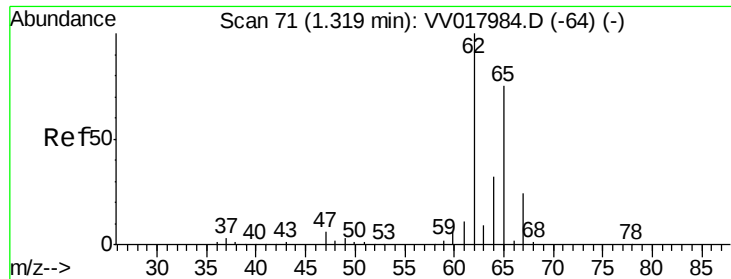
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 17 01:36:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 17 01:31:40 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 19.544 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

Instrument :

MSVOA_V

ClientSampleId :

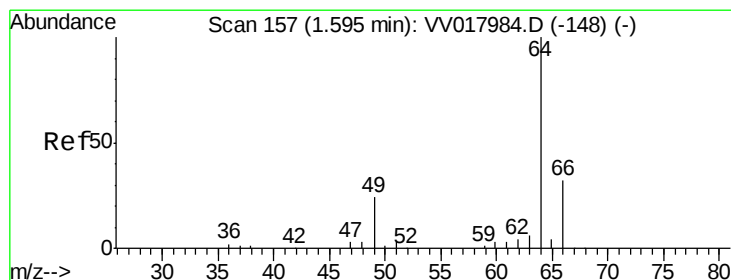
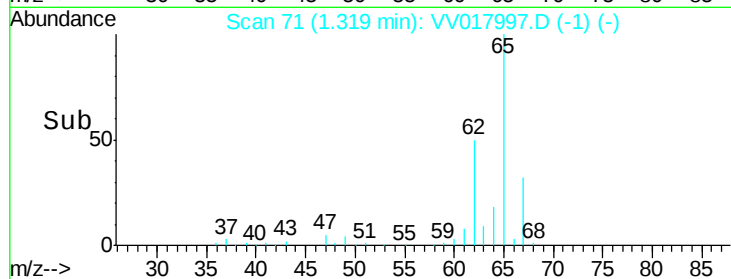
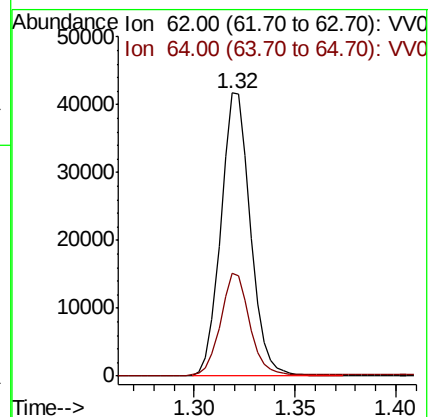
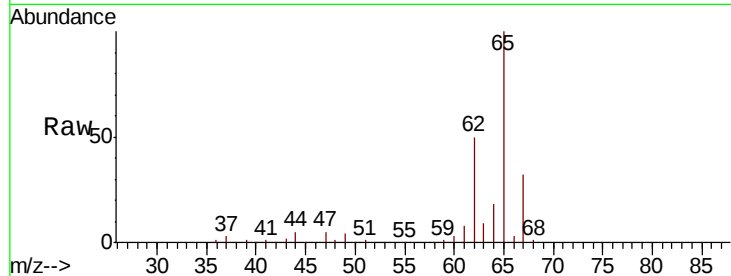
F4M07

Tot Ion: 62 Resp: 42639

Ion Ratio Lower Upper

62 100

64 36.2 22.4 41.6



#8

Chloroethane

Concen: 1.136 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017997.D

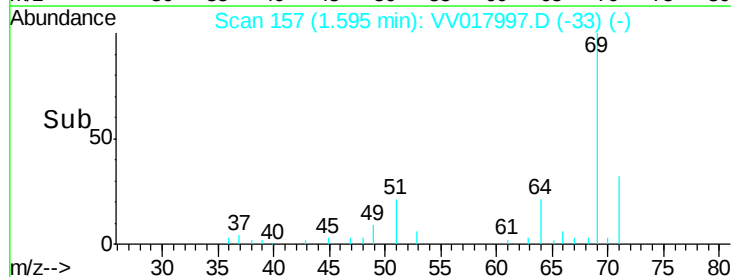
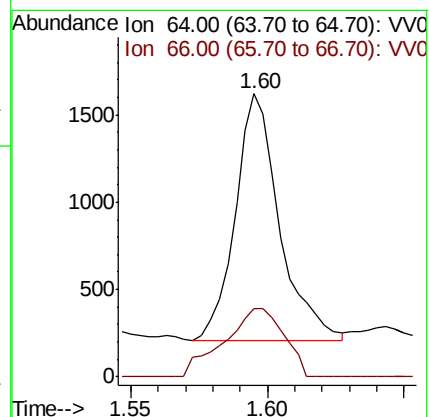
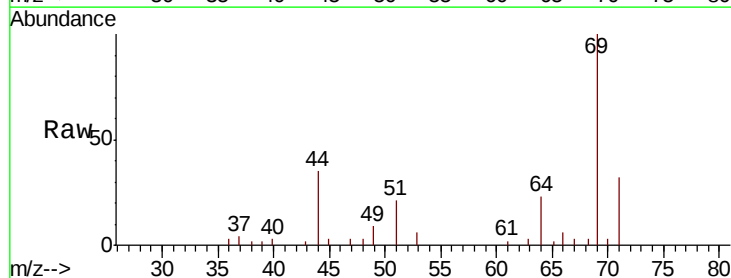
Acq: 14 Aug 2020 15:04

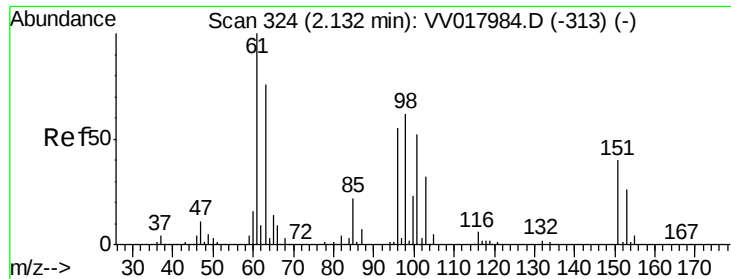
Tgt Ion: 64 Resp: 1582

Ion Ratio Lower Upper

64 100

66 24.0 22.3 41.3





#12

1,1-Dichloroethene

Concen: 1.182 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

Instrument :

MSVOA_V

ClientSampled :

F4M07

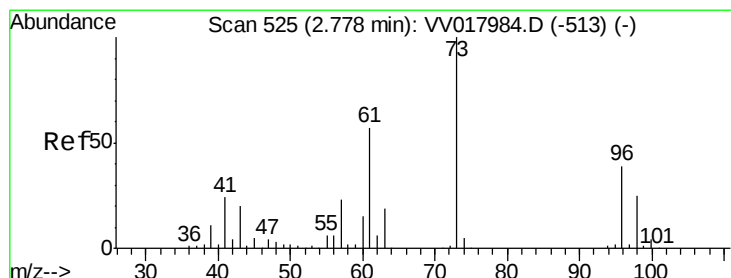
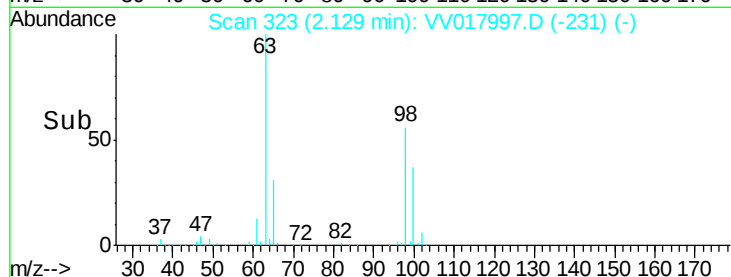
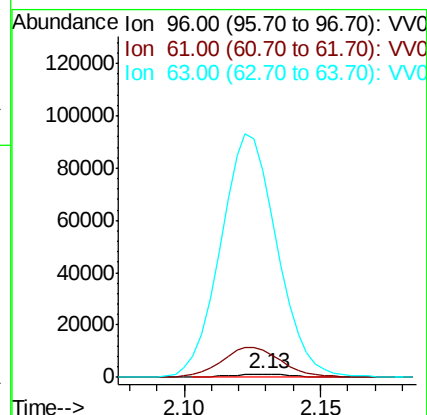
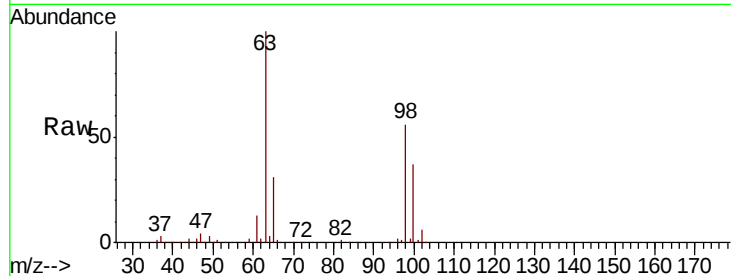
Tot Ion: 96 Resp: 1946

Ion Ratio Lower Upper

96 100

61 865.5 127.1 236.0#

63 6631.8 95.2 176.8#



#17

trans-1,2-Dichloroethene

Concen: 20.818 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

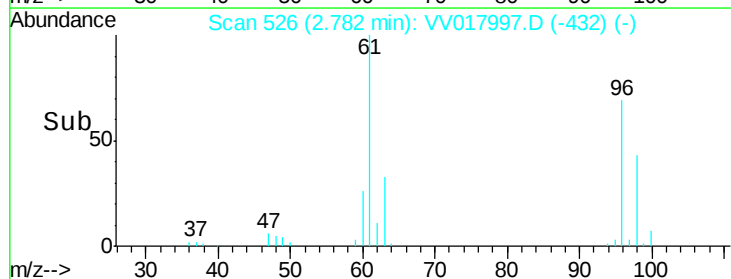
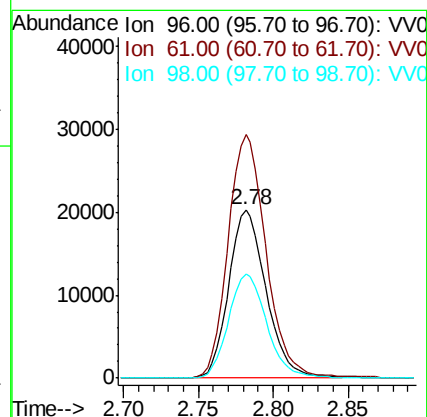
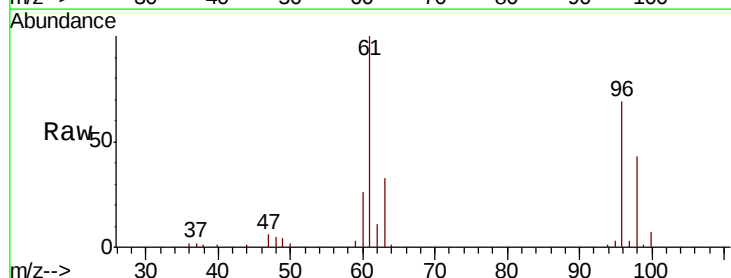
Tgt Ion: 96 Resp: 35245

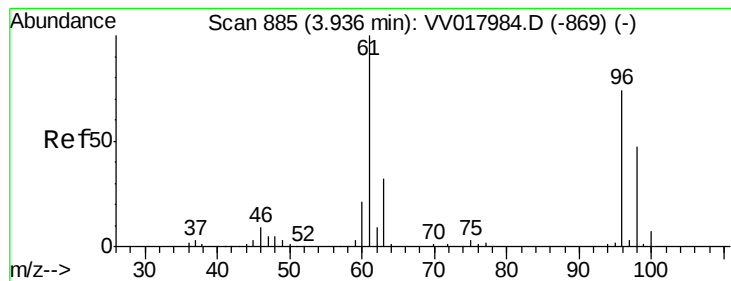
Ion Ratio Lower Upper

96 100

61 144.6 102.4 190.2

98 61.9 44.4 82.5





#20

cis-1,2-Dichloroethene

Concen: 661.853 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

Instrument :

MSVOA_V

ClientSampleId :

F4M07

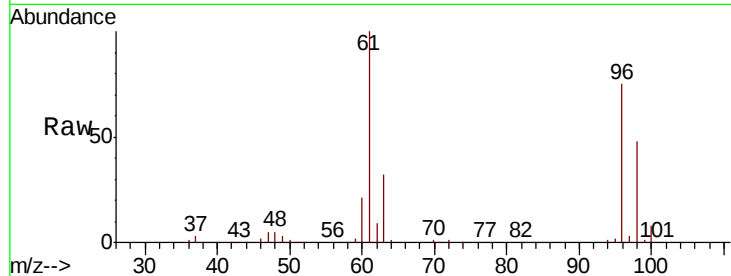
Tot Ion: 96 Resp: 1231364

Ion Ratio Lower Upper

96 100

61 133.4 95.0 176.4

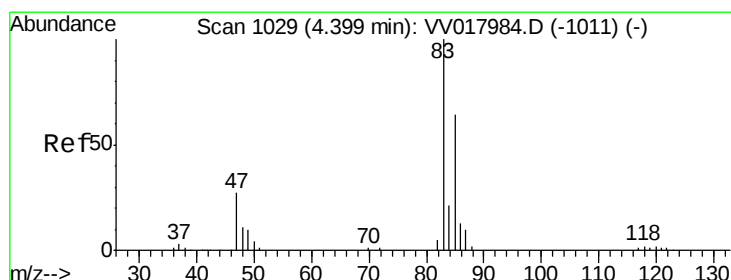
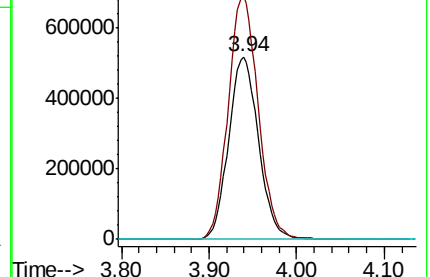
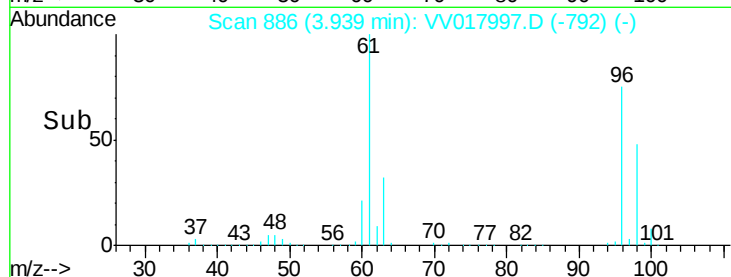
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV017984.D (-869) (-)

Ion 61.00 (60.70 to 61.70): VV017984.D (-869) (-)

Ion 68.00 (67.70 to 68.70): VV017984.D (-869) (-)



#25

Chloroform

Concen: 2.125 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV017997.D

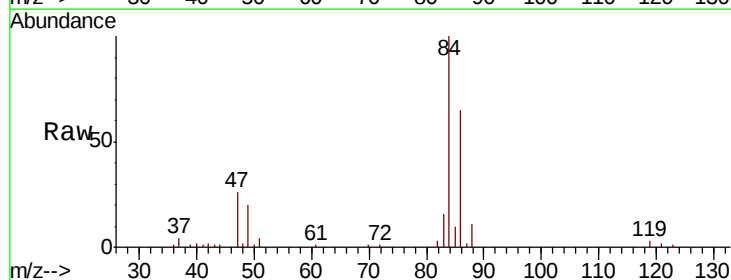
Acq: 14 Aug 2020 15:04

Tgt Ion: 83 Resp: 7378

Ion Ratio Lower Upper

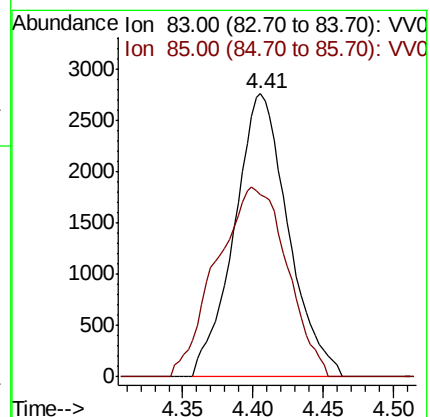
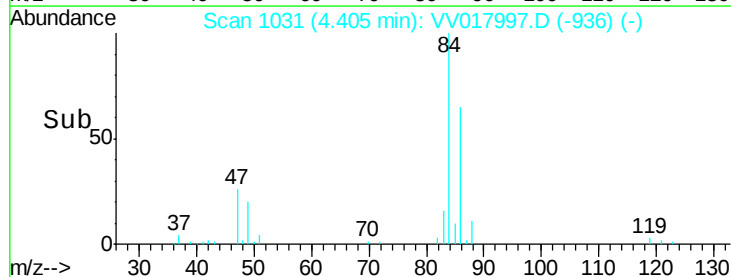
83 100

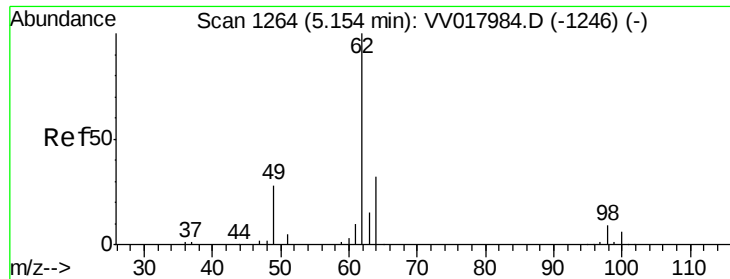
85 64.2 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV017984.D (-1011) (-)

Ion 85.00 (84.70 to 85.70): VV017984.D (-1011) (-)





#27

1,2-Dichloroethane

Concen: 0.770 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

Instrument :

MSVOA_V

ClientSampled :

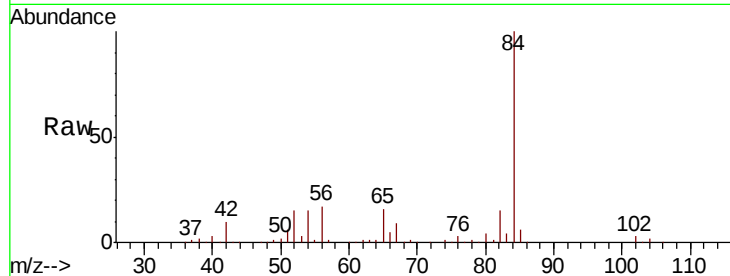
F4M07

Tot Ion: 62 Resp: 2129

Ion Ratio Lower Upper

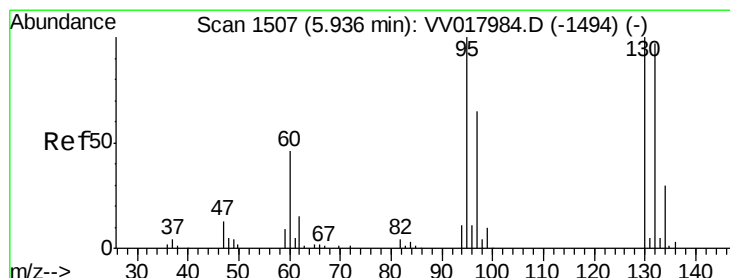
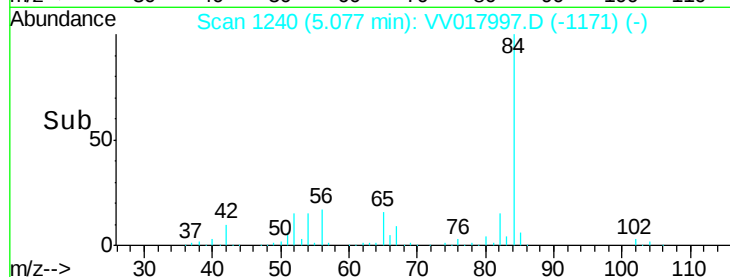
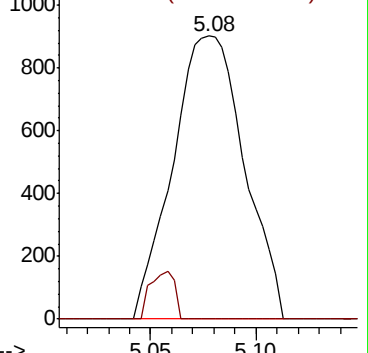
62 100

98 0.0 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#34

Trichloroethene

Concen: 203.826 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

Tgt Ion: 95 Resp: 402202

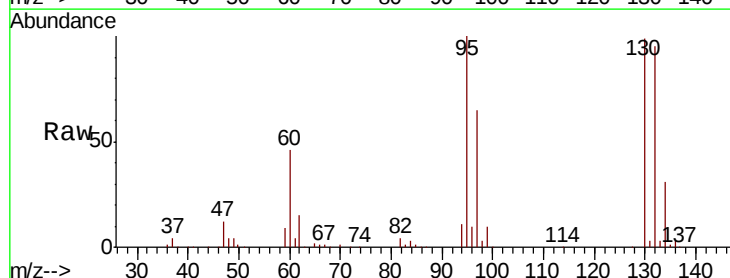
Ion Ratio Lower Upper

95 100

97 64.5 46.0 85.4

132 95.3 65.8 122.2

130 98.8 69.2 128.6

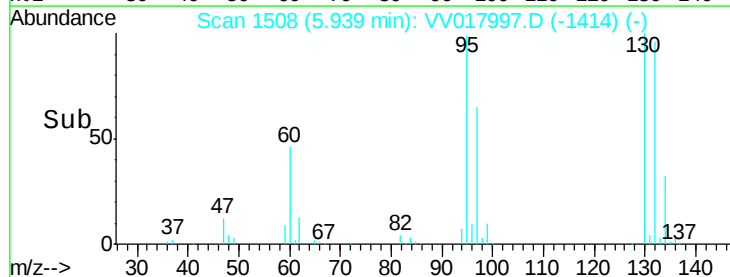
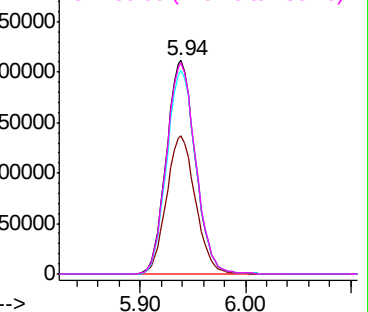


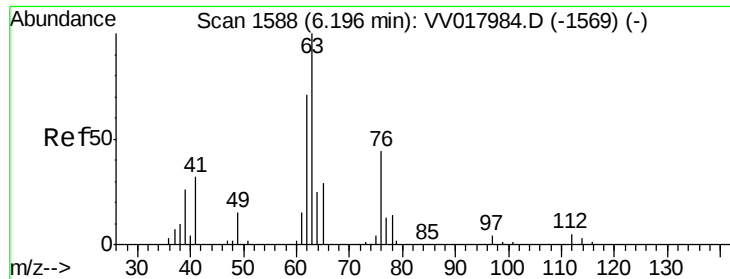
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

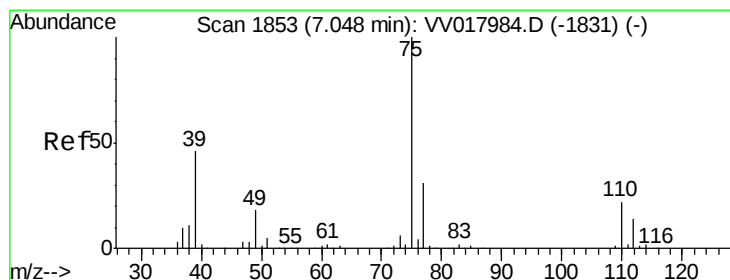
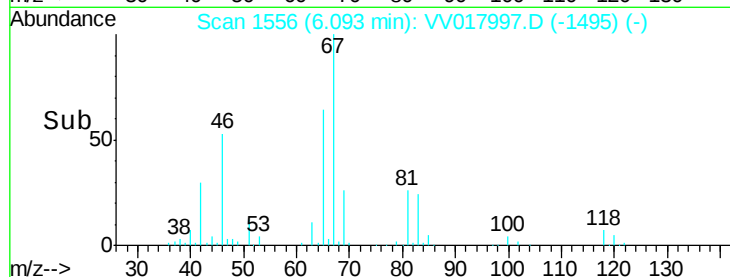
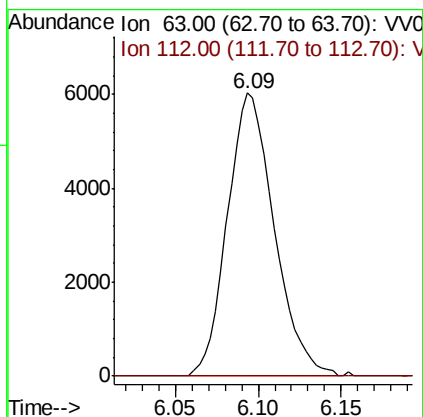
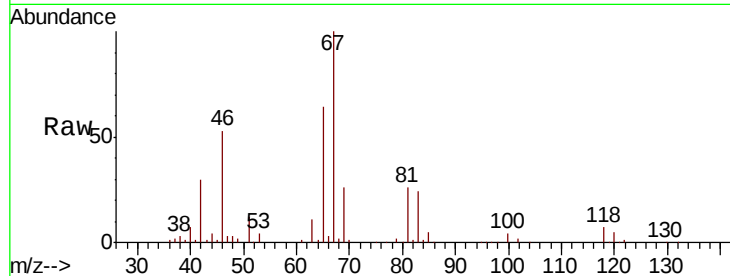




#37
 1,2-Dichloropropane
 Concen: 5.818 ug/L
 RT: 6.09 min Scan# 1556
 Delta R.T. -0.10 min
 Lab File: VV017997.D
 Acq: 14 Aug 2020 15:04

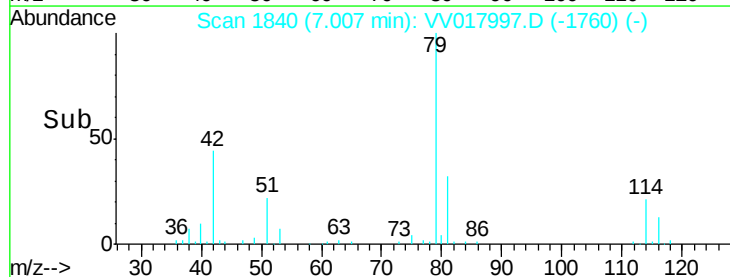
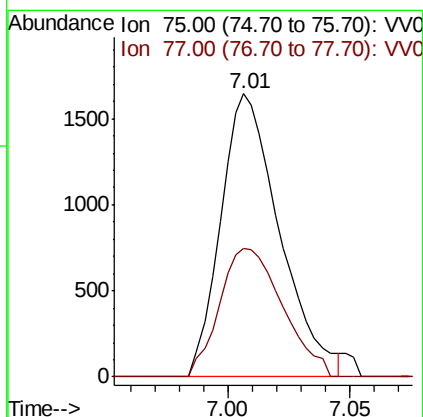
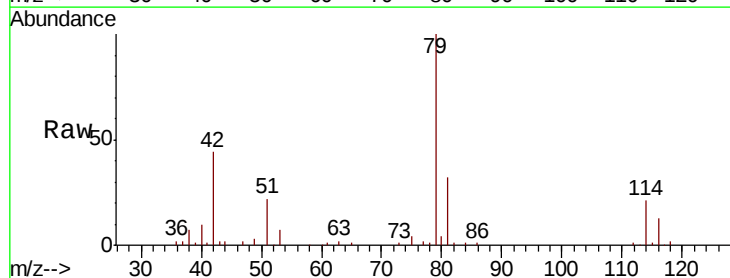
Instrument :
 MSVOA_V
 ClientSampled :
 F4M07

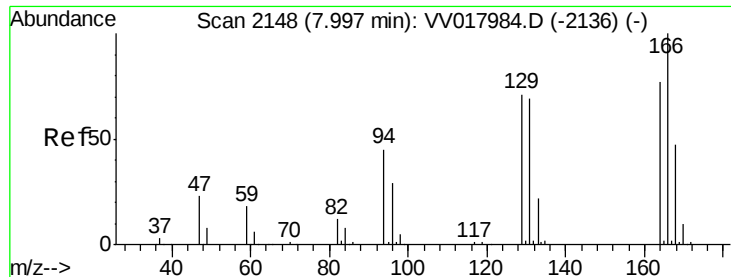
Tot Ion: 63 Resp: 11845
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.956 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017997.D
 Acq: 14 Aug 2020 15:04

Tgt Ion: 75 Resp: 2759
 Ion Ratio Lower Upper
 75 100
 77 45.4 22.3 41.5#

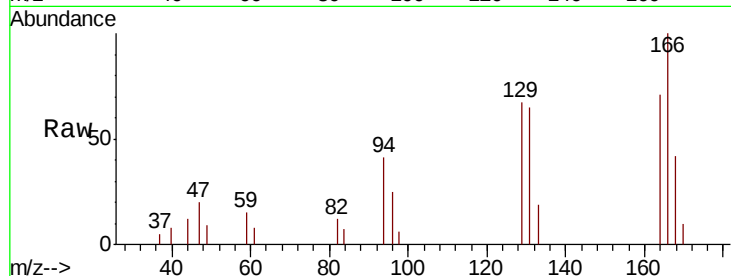




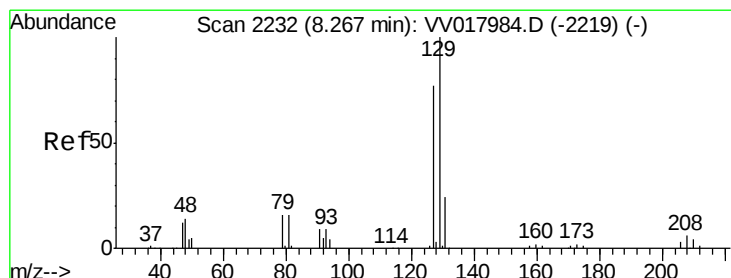
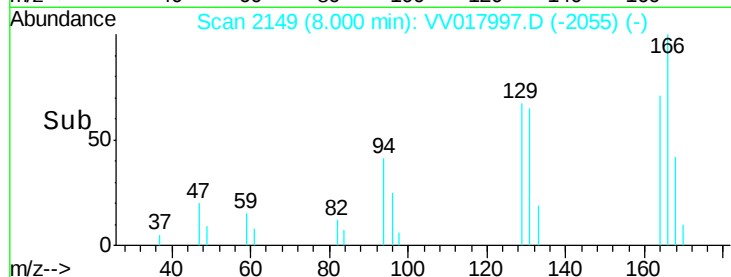
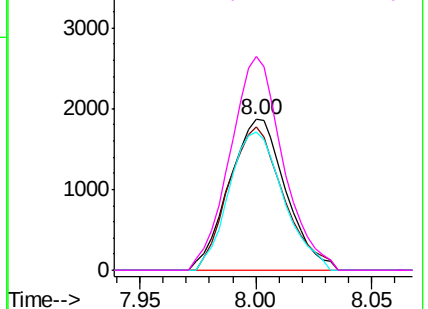
#46
Tetrachloroethene
Concen: 2.196 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV017997.D
Acq: 14 Aug 2020 15:04

Instrument :
MSVOA_V
ClientSampleId :
F4M07

Tot Ion:164 Resp: 3178
Ion Ratio Lower Upper
164 100
129 94.9 64.8 120.3
131 91.5 64.5 119.9
166 141.6 88.9 165.1

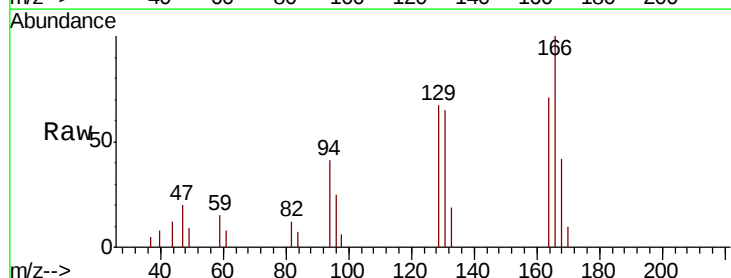


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

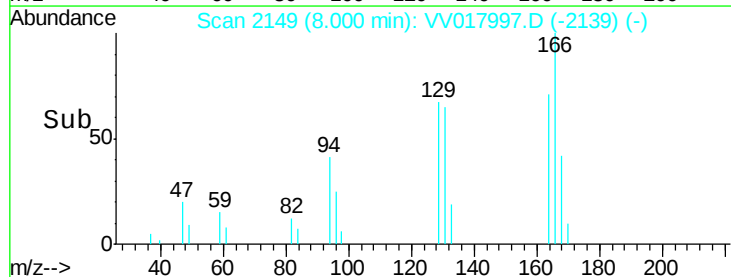
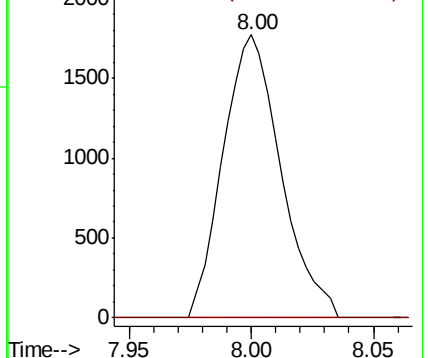


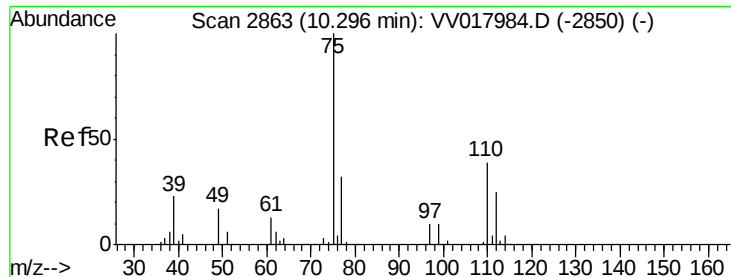
#49
Dibromochloromethane
Concen: 1.585 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV017997.D
Acq: 14 Aug 2020 15:04

Tgt Ion:129 Resp: 2917
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.423 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017997.D

Acq: 14 Aug 2020 15:04

Instrument :

MSVOA_V

ClientSampleId :

F4M07

Tot Ion: 75 Resp: 13635

Ion Ratio Lower Upper

75 100

77 37.1 25.7 38.5

