

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\
 Data File : VV017995.D
 Acq On : 14 Aug 2020 14:17
 Operator : SY/MD
 Sample : L3665-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M06

Quant Time: Aug 17 01:36:20 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	248221	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	244031	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	114505	50.00	ug/L	0.00

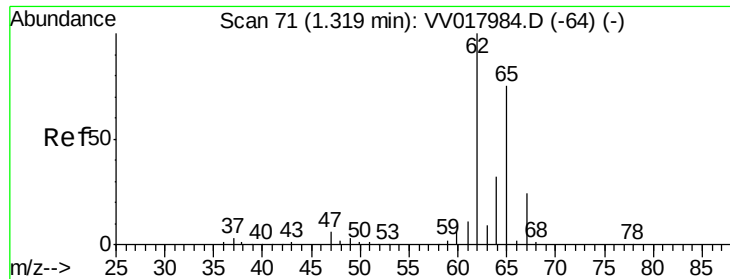
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94229	49.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.50%
7) Chloroethane-d5	1.58	69	79959	51.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.20%
11) 1,1-Dichloroethene-d2	2.12	63	138419	38.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.42%
21) 2-Butanone-d5	3.91	46	118417	95.46	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.46%
24) Chloroform-d	4.38	84	164547	47.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.46%
26) 1,2-Dichloroethane-d4	5.06	65	115424	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.10%
32) Benzene-d6	5.08	84	341764	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.64%
36) 1,2-Dichloropropane-d6	6.10	67	111039	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.00%
41) Toluene-d8	7.34	98	300950	49.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.52%
43) trans-1,3-Dichloropropene-	7.64	79	48235	48.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.74%
47) 2-Hexanone-d5	8.11	63	60820	86.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.20%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	133887	46.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	119262	52.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.84%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	11607	5.263	ug/L	83
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1219	0.693	ug/L #	20
12) 1,1-Dichloroethene	2.13	96	1748	1.050	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	2408	1.407	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	326737	173.716	ug/L	99
25) Chloroform	4.40	83	3730	1.063	ug/L	86
34) Trichloroethene	5.94	95	153853	77.094	ug/L	99
37) 1,2-Dichloropropane	6.10	63	12241	5.945	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2895	0.992	ug/L #	74
46) Tetrachloroethene	8.00	164	49170	33.595	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	13854	5.448	ug/L	92

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



#5

Vinyl chloride

Concen: 5.263 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017995.D

Acq: 14 Aug 2020 14:17

Instrument :

MSVOA_V

ClientSampleId :

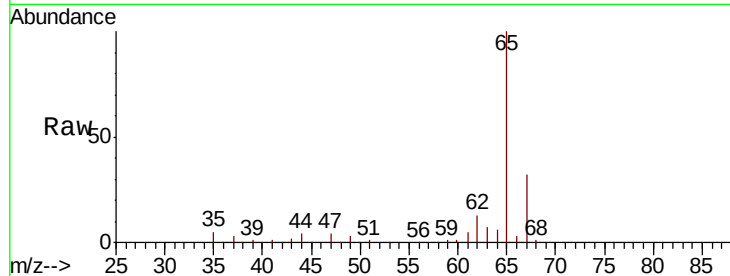
F4M06

Tot Ion: 62 Resp: 11607

Ion Ratio Lower Upper

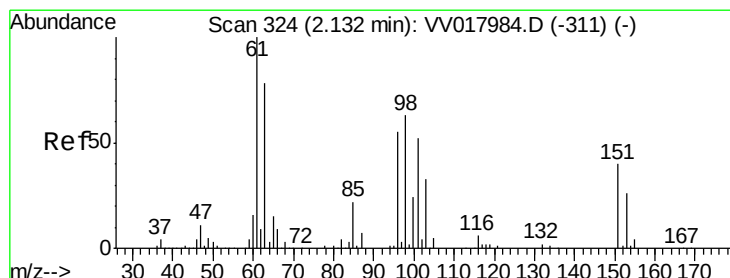
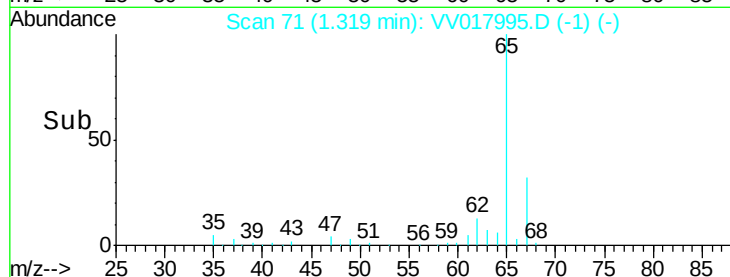
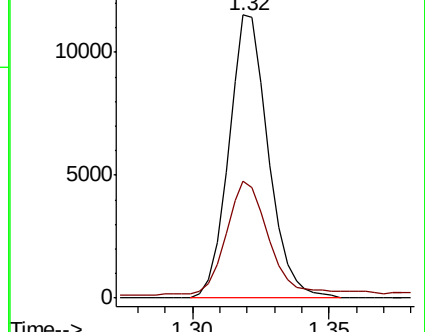
62 100

64 41.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV017995.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV017995.D (-64) (-)



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.693 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017995.D

Acq: 14 Aug 2020 14:17

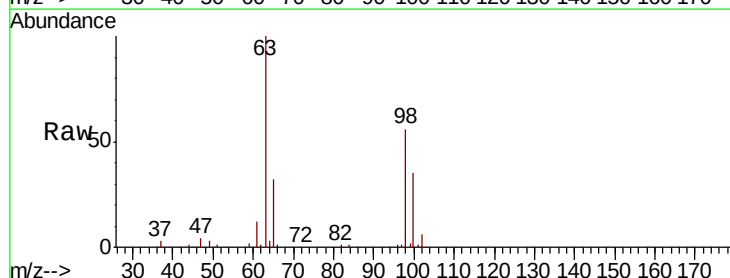
Tgt Ion: 101 Resp: 1219

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

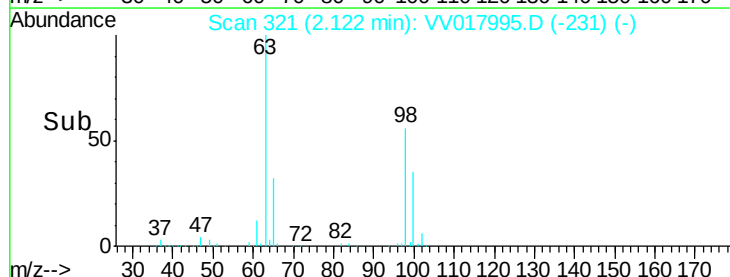
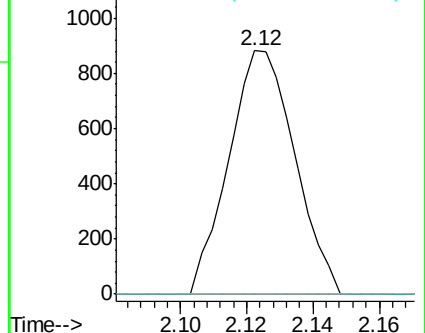
151 0.0 59.1 88.7#

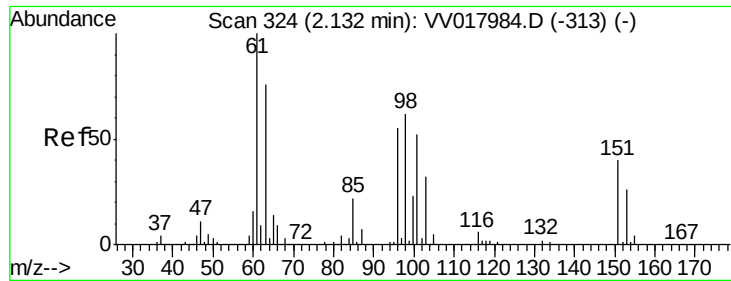


Abundance Ion 101.00 (100.70 to 101.70): VV017995.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017995.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017995.D (-311) (-)

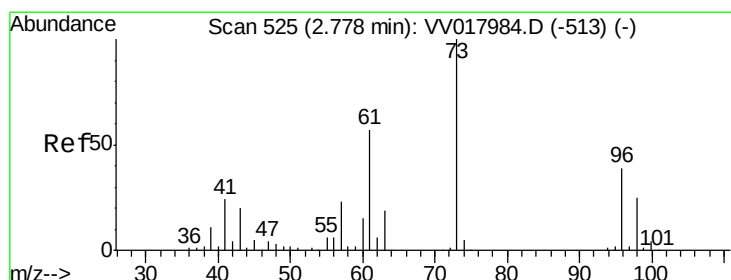
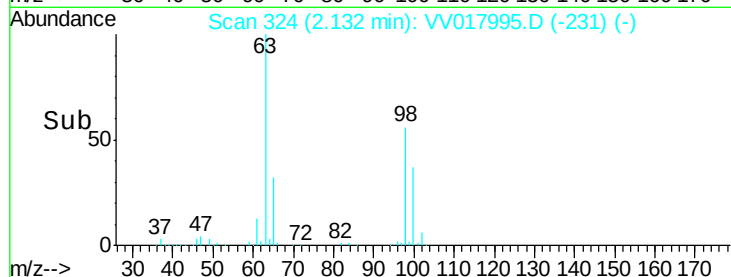
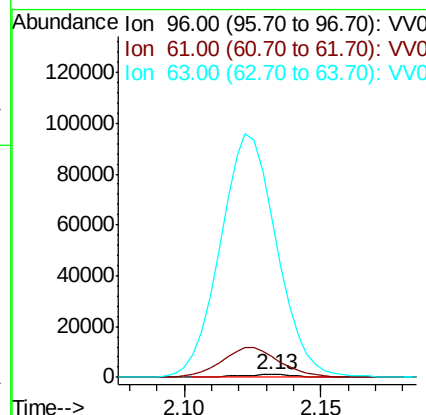
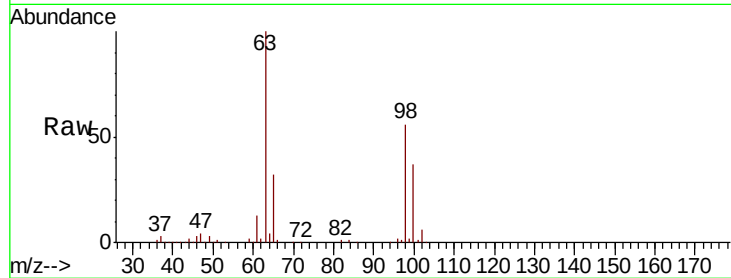




#12
 1,1-Dichloroethene
 Concen: 1.050 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.00 min
 Lab File: VV017995.D
 Acq: 14 Aug 2020 14:17

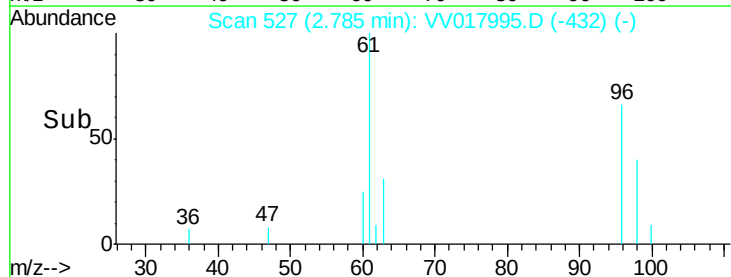
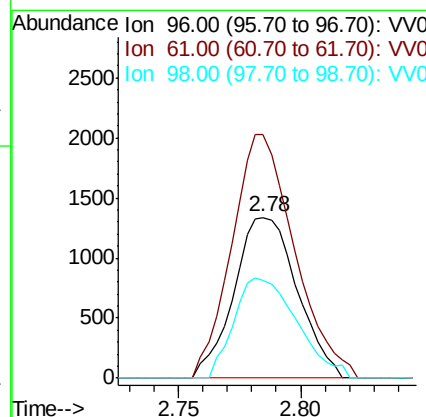
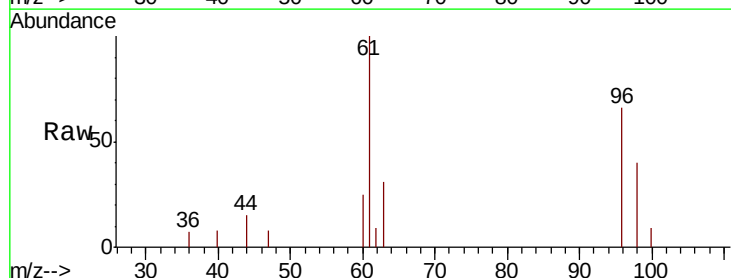
Instrument :
 MSVOA_V
 ClientSampleId :
 F4M06

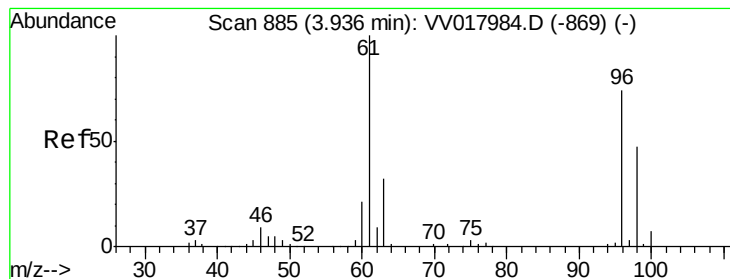
Tot Ion: 96 Resp: 1748
 Ion Ratio Lower Upper
 96 100
 61 723.4 127.1 236.0#
 63 5600.0 95.2 176.8#



#17
 trans-1,2-Dichloroethene
 Concen: 1.407 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VV017995.D
 Acq: 14 Aug 2020 14:17

Tgt Ion: 96 Resp: 2408
 Ion Ratio Lower Upper
 96 100
 61 151.5 102.4 190.2
 98 61.2 44.4 82.5



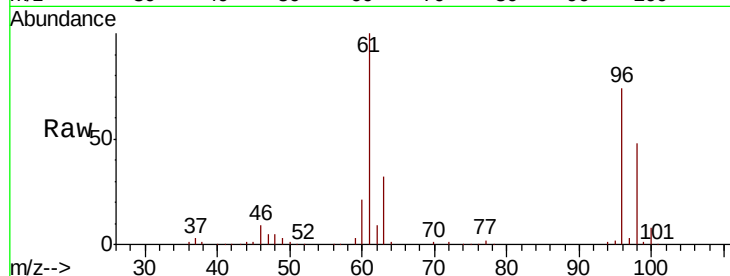


#20

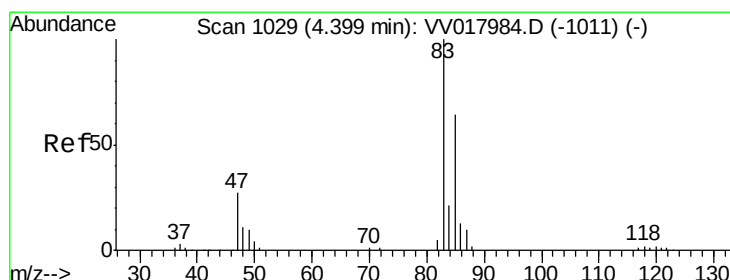
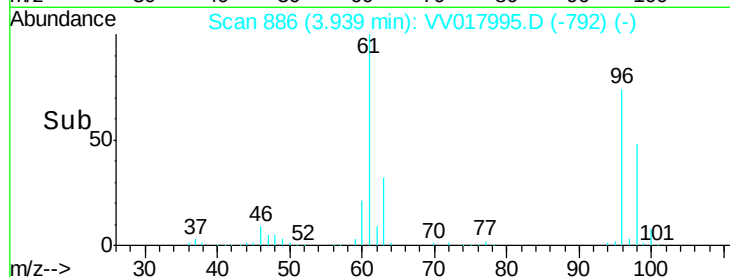
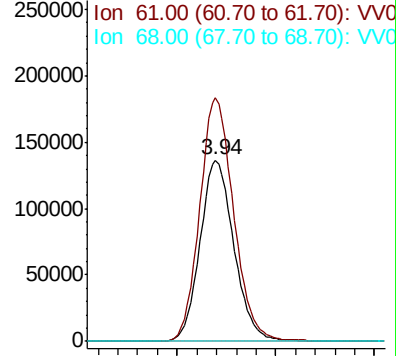
cis-1,2-Dichloroethene
 Concen: 173.716 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017995.D
 Acq: 14 Aug 2020 14:17

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M06

Tot Ion	96	Resp	326737
Ion	Ratio	Lower	Upper
96	100		
61	134.5	95.0	176.4
68	0.0	0.0	0.0



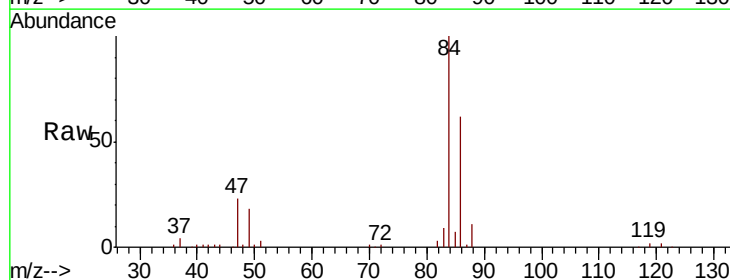
Abundance Ion 96.00 (95.70 to 96.70): VV017984.D (-869) (-)



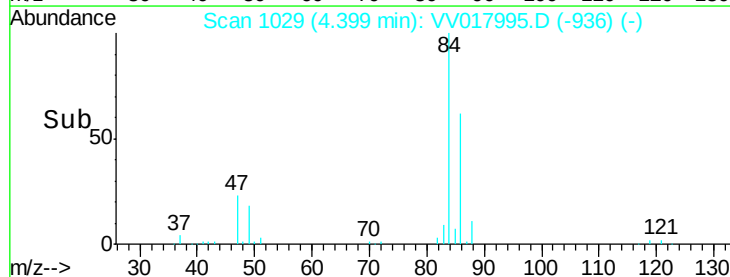
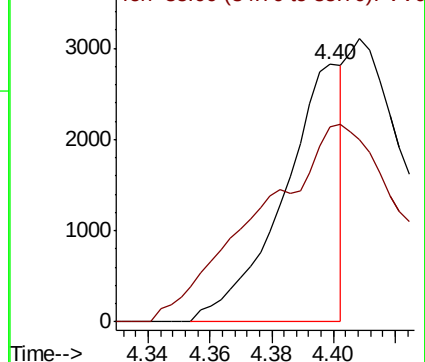
#25

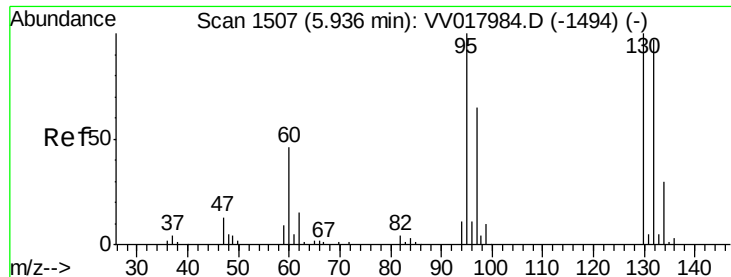
Chloroform
 Concen: 1.063 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VV017995.D
 Acq: 14 Aug 2020 14:17

Tgt Ion	83	Resp	3730
Ion	Ratio	Lower	Upper
83	100		
85	75.7	45.5	84.5



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

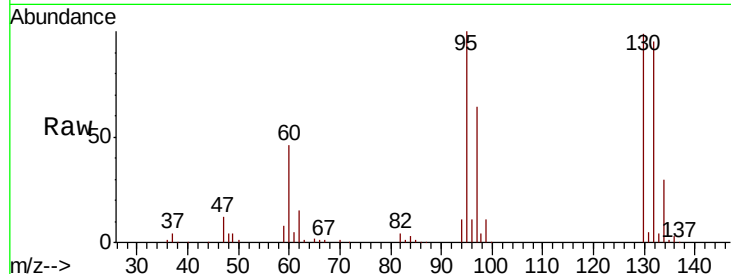




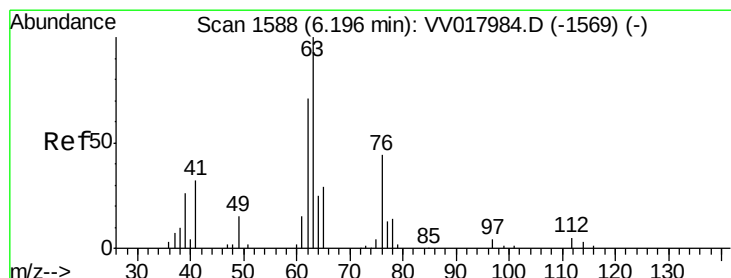
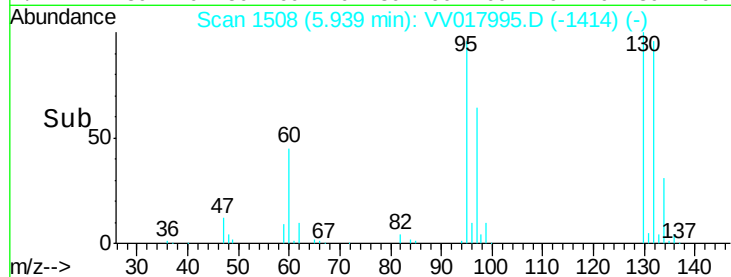
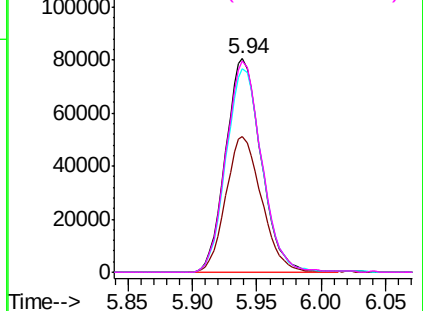
#34
 Trichloroethene
 Concen: 77.094 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV017995.D
 Acq: 14 Aug 2020 14:17

Instrument :
 MSVOA_V
 ClientSampleId :
 F4M06

Tot Ion:	95	Resp:	153853
Ion	Ratio	Lower	Upper
95	100		
97	63.7	46.0	85.4
132	95.4	65.8	122.2
130	99.1	69.2	128.6

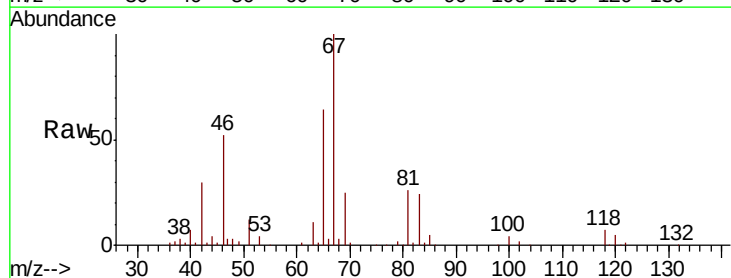


Abundance Ion 95.00 (94.70 to 95.70): VV017995.D (-1414) (-)
 Ion 97.00 (96.70 to 97.70): VV017995.D (-1414) (-)
 Ion 132.00 (131.70 to 132.70): VV017995.D (-1414) (-)
 Ion 130.00 (129.70 to 130.70): VV017995.D (-1414) (-)

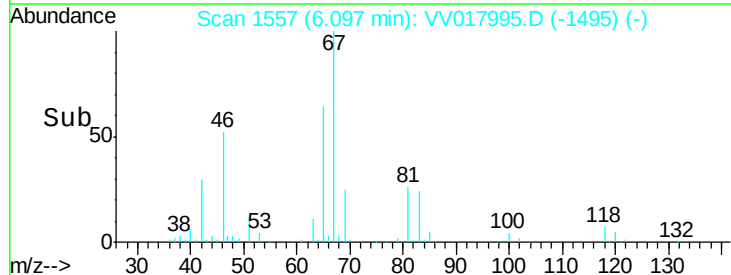
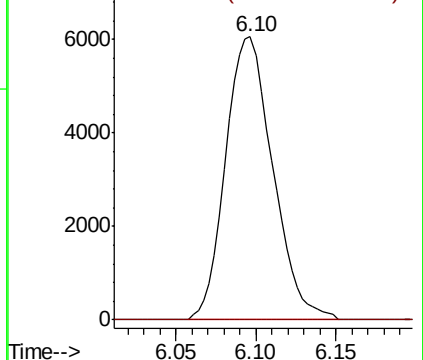


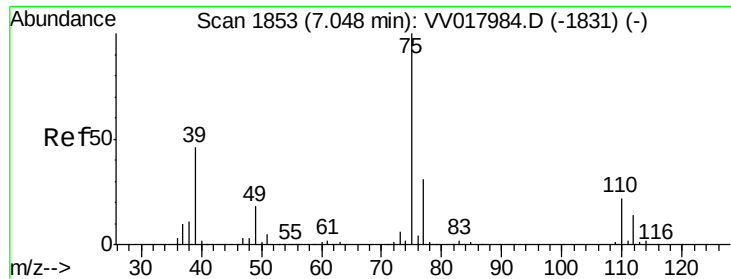
#37
 1,2-Dichloropropane
 Concen: 5.945 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017995.D
 Acq: 14 Aug 2020 14:17

Tgt Ion:	63	Resp:	12241
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV017995.D (-1495) (-)
 Ion 112.00 (111.70 to 112.70): VV017995.D (-1495) (-)

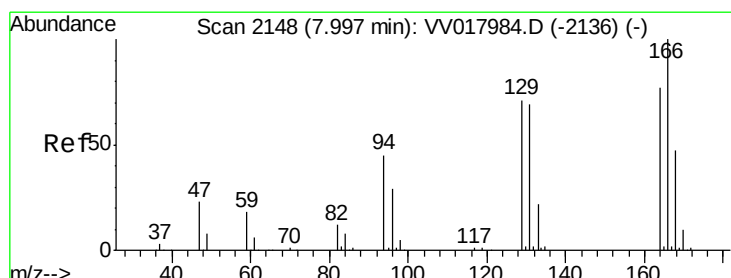
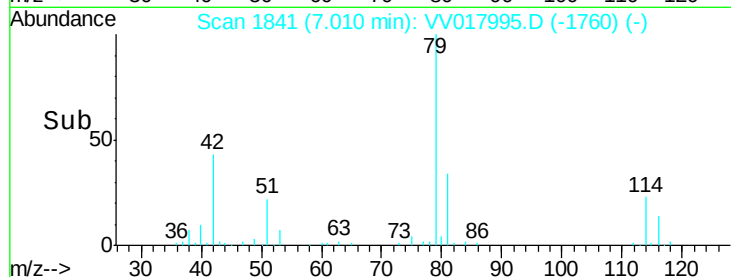
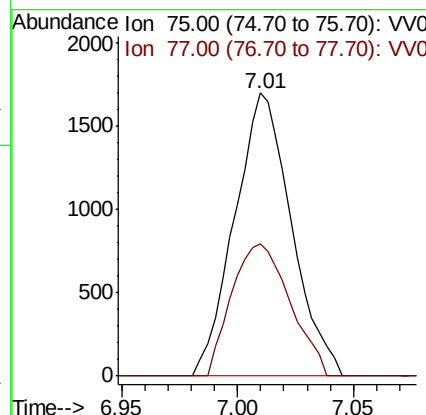
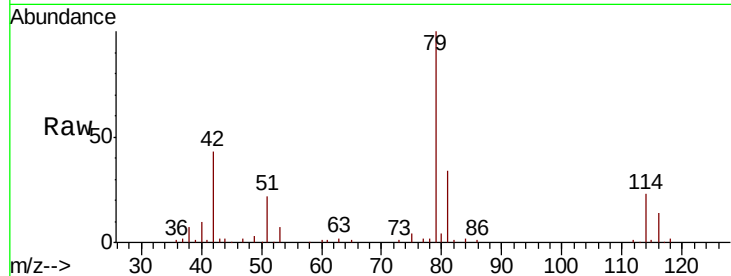




#39
 cis-1,3-Dichloropropene
 Concen: 0.992 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV017995.D
 Acq: 14 Aug 2020 14:17

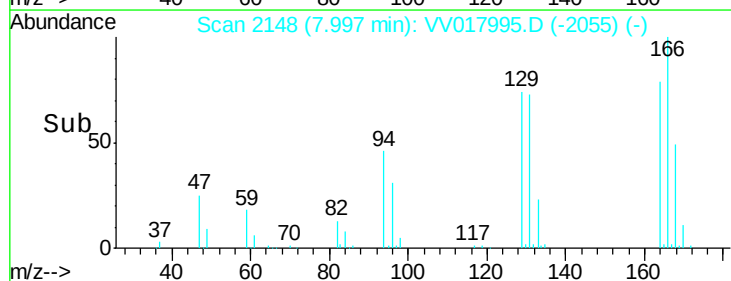
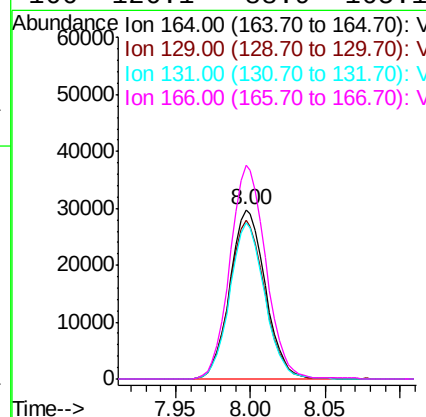
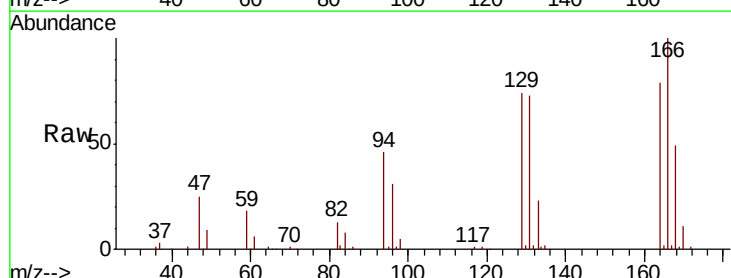
Instrument :
 MSVOA_V
 ClientSampleId :
 F4M06

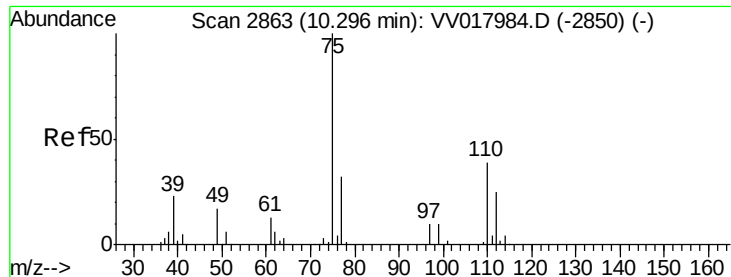
Tot Ion: 75 Resp: 2895
 Ion Ratio Lower Upper
 75 100
 77 46.6 22.3 41.5#



#46
 Tetrachloroethene
 Concen: 33.595 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017995.D
 Acq: 14 Aug 2020 14:17

Tgt Ion: 164 Resp: 49170
 Ion Ratio Lower Upper
 164 100
 129 93.8 64.8 120.3
 131 91.9 64.5 119.9
 166 126.1 88.9 165.1





#59

1,2,3-Trichloropropane

Concen: 5.448 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017995.D

Acq: 14 Aug 2020 14:17

Instrument :

MSVOA_V

ClientSampleId :

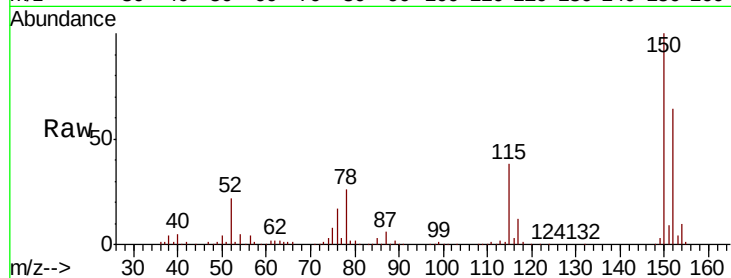
F4M06

Tot Ion: 75 Resp: 13854

Ion Ratio Lower Upper

75 100

77 36.7 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

