

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061920\
 Data File : VV017008.D
 Acq On : 19 Jun 2020 18:35
 Operator : SY/MD
 Sample : L3074-08
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 02:07:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 20 02:04:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	328627	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	306660	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	141660	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	105013	45.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.58%
7) Chloroethane-d5	1.58	69	64031	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.04%
11) 1,1-Dichloroethene-d2	2.12	63	153905	39.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.04%
21) 2-Butanone-d5	3.91	46	157900	92.00	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.00%
24) Chloroform-d	4.38	84	225247	47.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.54%
26) 1,2-Dichloroethane-d4	5.06	65	160918	50.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.34%
32) Benzene-d6	5.08	84	441008	49.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.78%
36) 1,2-Dichloropropane-d6	6.09	67	134219	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.42%
41) Toluene-d8	7.34	98	401355	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%
43) trans-1,3-Dichloropropene-	7.64	79	64482	44.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.86%
47) 2-Hexanone-d5	8.11	63	93873	78.14	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.14%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	160363	43.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.92%
64) 1,2-Dichlorobenzene-d4	11.65	152	162056	53.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.22%

Target Compounds

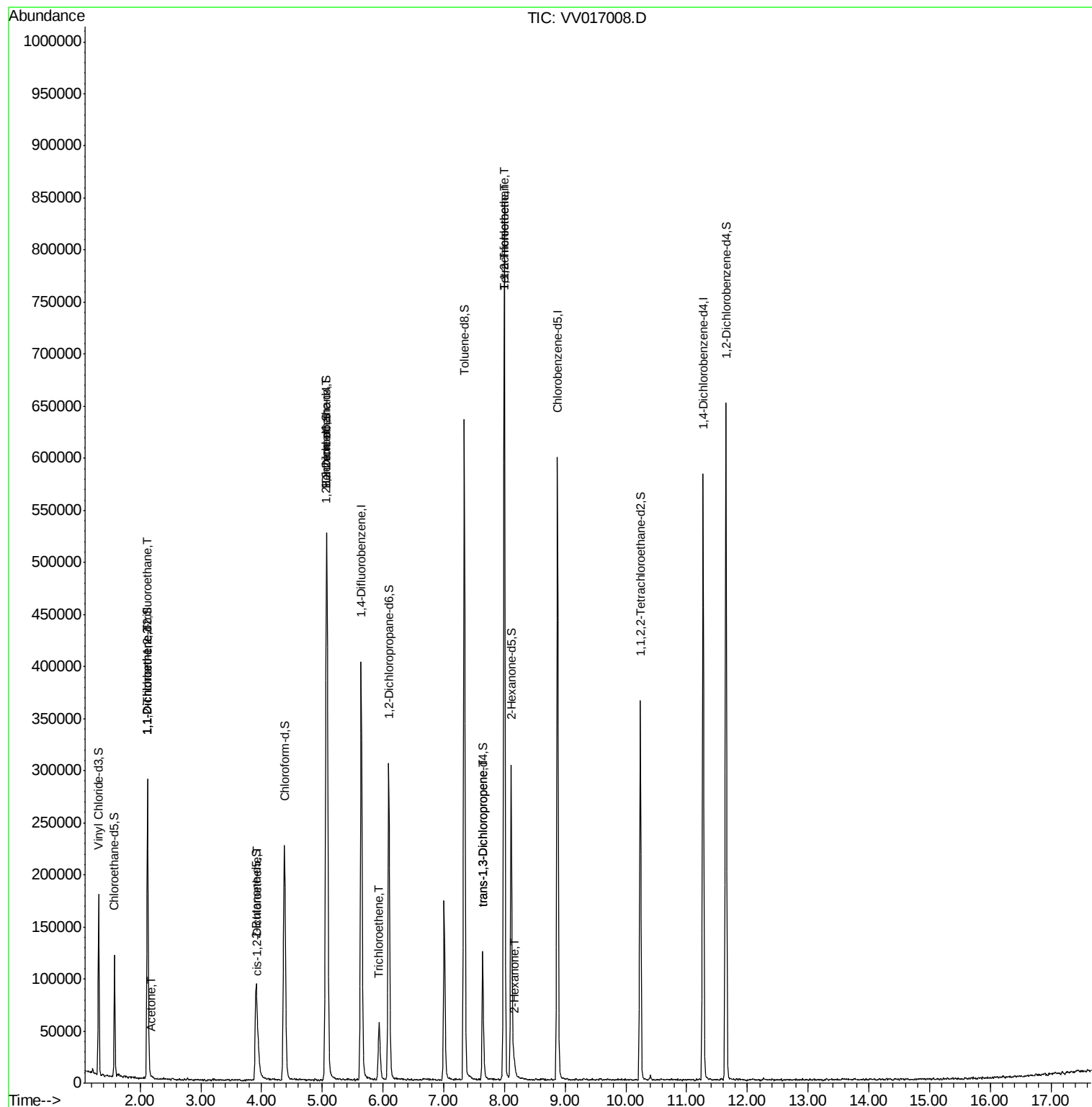
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1691	0.968 ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1697	1.040 ug/L #	1
13) Acetone	2.19	43	2024	1.790 ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	9039	3.728 ug/L	90
27) 1,2-Dichloroethane	5.08	62	3215	0.891 ug/L	98
34) Trichloroethene	5.94	95	13292	5.462 ug/L	95
44) trans-1,3-Dichloropropene	7.64	75	3211	0.901 ug/L	87
45) 1,1,2-Trichloroethane	7.99	97	1689	0.742 ug/L #	4
46) Tetrachloroethene	8.00	164	181674	94.928 ug/L	98
48) 2-Hexanone	8.17	43	9000	3.472 ug/L #	91

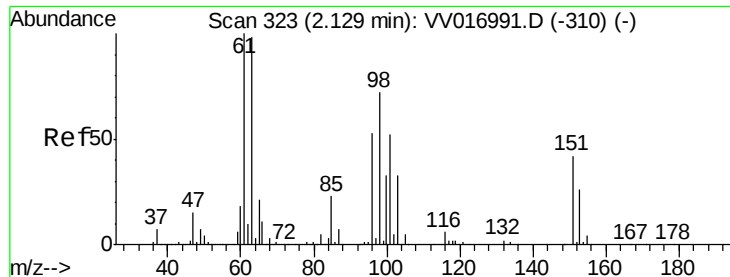
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 20 02:04:09 2020
Response via : Initial Calibration





#10

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

Concen: 0.968 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017008.D

Acq: 19 Jun 2020 18:35

Instrument :

MSVOA_V

ClientSampleId :

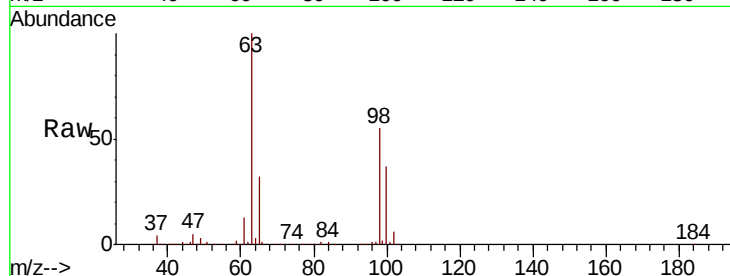
Tot Ion:101 Resp: 1691

Ion Ratio Lower Upper

101 100

85 2.6 35.5 53.3#

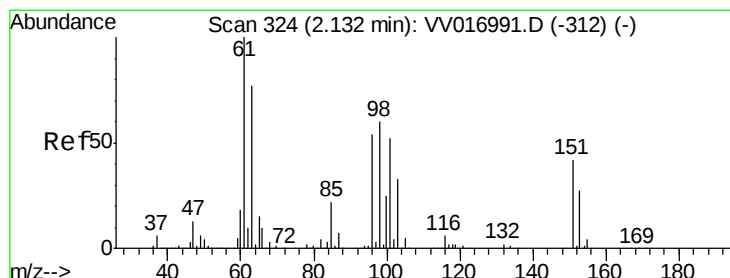
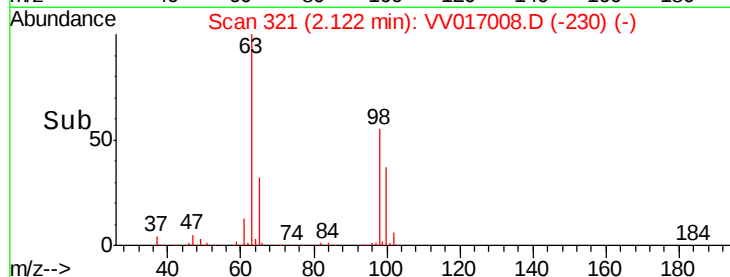
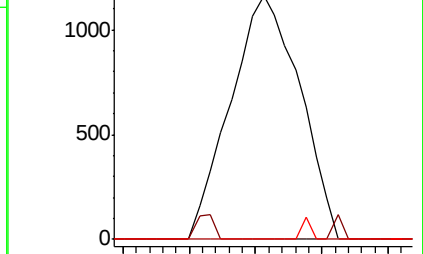
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.040 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017008.D

Acq: 19 Jun 2020 18:35

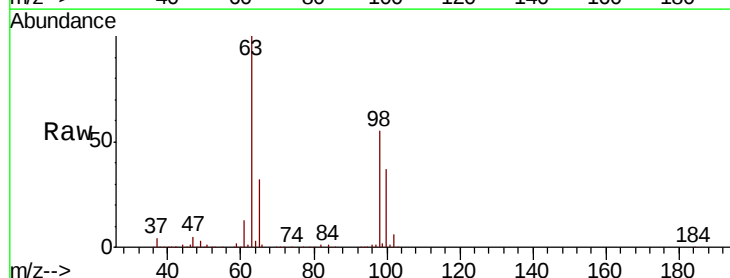
Tgt Ion: 96 Resp: 1697

Ion Ratio Lower Upper

96 100

61 1260.4 130.4 242.2#

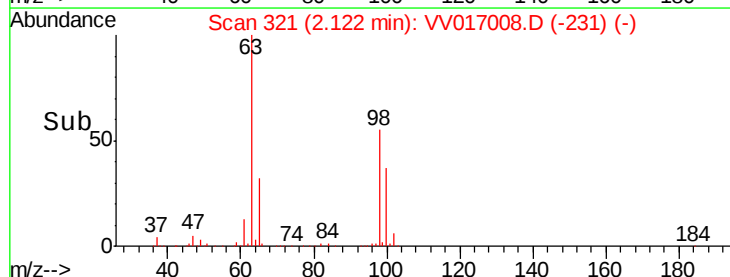
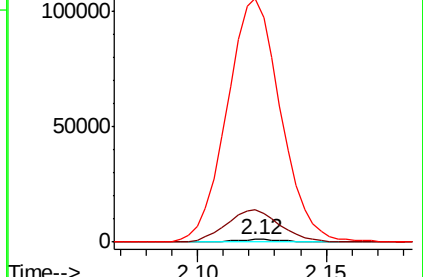
63 9648.3 103.3 191.9#

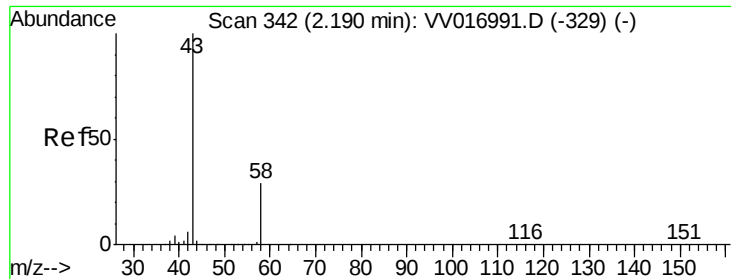


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.790 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV017008.D

Acq: 19 Jun 2020 18:35

Instrument :

MSVOA_V

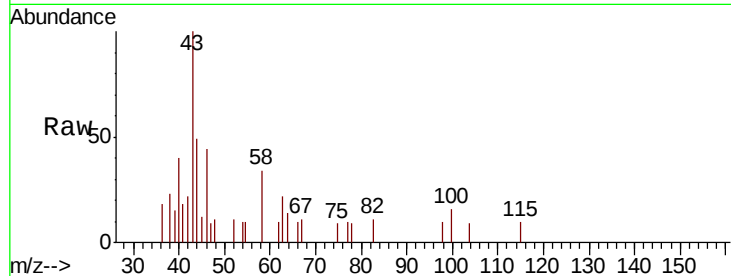
ClientSampled :

Tot Ion: 43 Resp: 2024

Ion Ratio Lower Upper

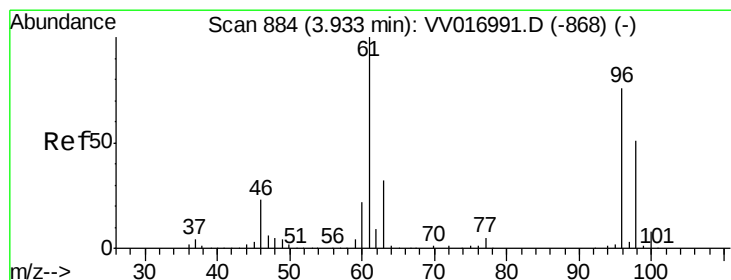
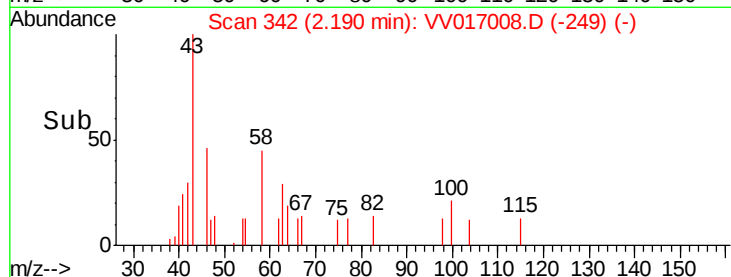
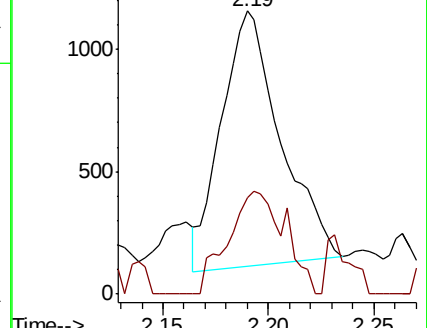
43 100

58 27.6 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016991.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV016991.D (-329) (-)



#20

cis-1,2-Dichloroethene

Concen: 3.728 ug/L

RT: 3.94 min Scan# 887

Delta R.T. 0.01 min

Lab File: VV017008.D

Acq: 19 Jun 2020 18:35

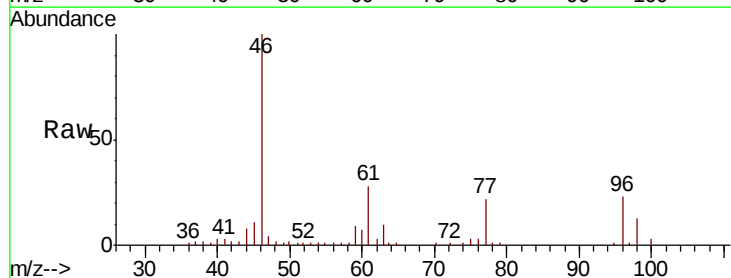
Tgt Ion: 96 Resp: 9039

Ion Ratio Lower Upper

96 100

61 122.1 93.4 173.4

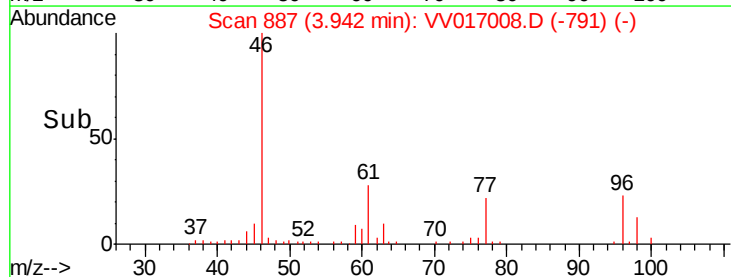
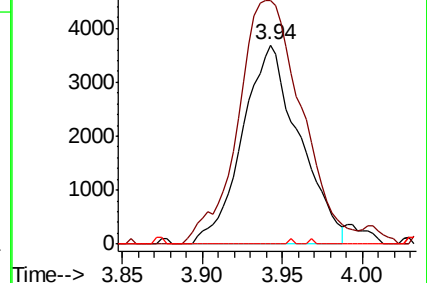
68 0.0 0.0 0.0

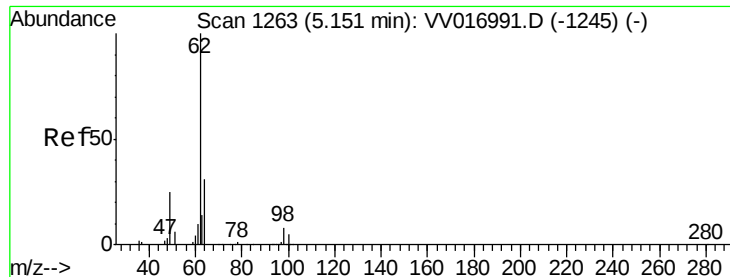


Abundance Ion 96.00 (95.70 to 96.70): VV016991.D (-868) (-)

Ion 61.00 (60.70 to 61.70): VV016991.D (-868) (-)

Ion 68.00 (67.70 to 68.70): VV016991.D (-868) (-)





#27

1,2-Dichloroethane

Concen: 0.891 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.07 min

Lab File: VV017008.D

Acq: 19 Jun 2020 18:35

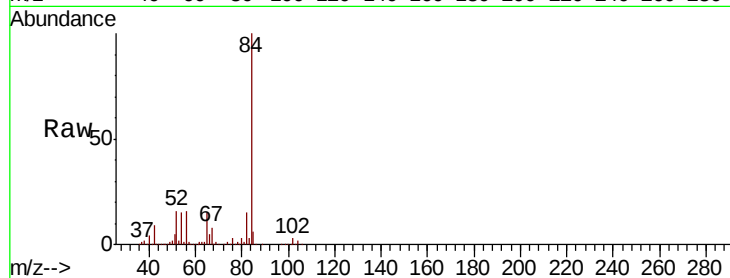
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 3215

Ion Ratio Lower Upper

62 100

98 8.7 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV016991.D (-1245) (-)

Ion 98.00 (97.70 to 98.70): VV016991.D (-1245) (-)

5.08

1500

1000

500

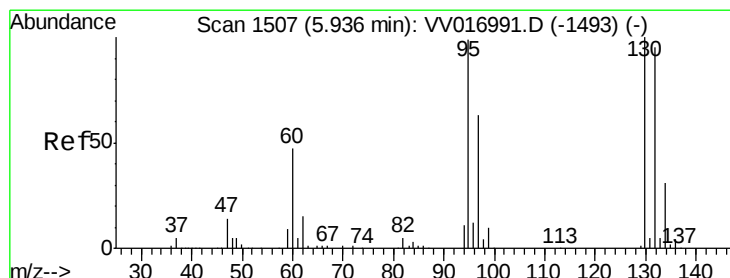
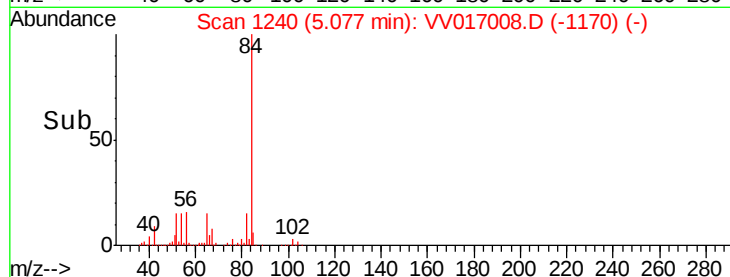
0

5.00

5.05

5.10

Time-->



#34

Trichloroethene

Concen: 5.462 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017008.D

Acq: 19 Jun 2020 18:35

Tgt Ion: 95 Resp: 13292

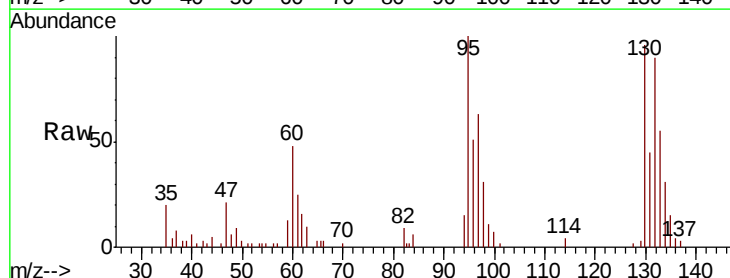
Ion Ratio Lower Upper

95 100

97 63.2 44.3 82.3

132 90.3 67.9 126.1

130 95.7 72.2 134.2



Abundance Ion 95.00 (94.70 to 95.70): VV016991.D (-1493) (-)

Ion 97.00 (96.70 to 97.70): VV016991.D (-1493) (-)

Ion 132.00 (131.70 to 132.70): VV016991.D (-1493) (-)

Ion 130.00 (129.70 to 130.70): VV016991.D (-1493) (-)

5.94

10000

8000

6000

4000

2000

0

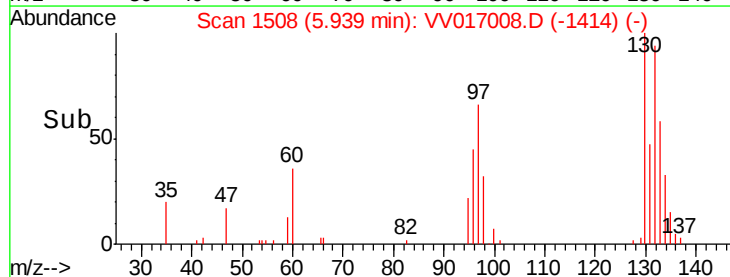
5.85

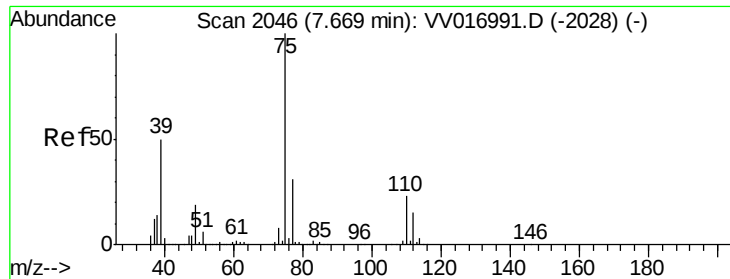
5.90

5.95

6.00

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.901 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VV017008.D

Acq: 19 Jun 2020 18:35

Instrument :

MSVOA_V

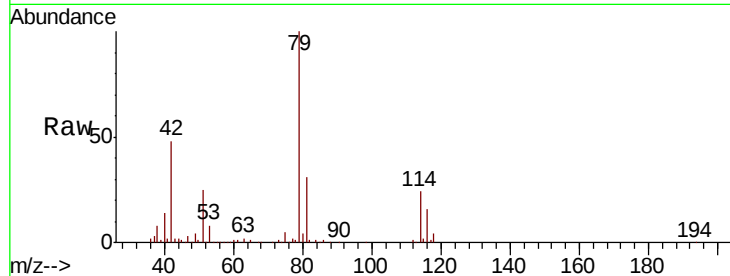
ClientSampleId :

Tot Ion: 75 Resp: 3211

Ion Ratio Lower Upper

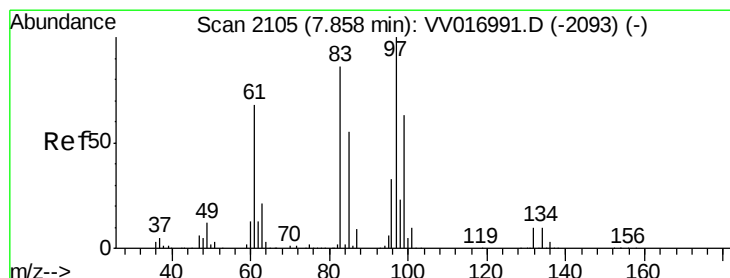
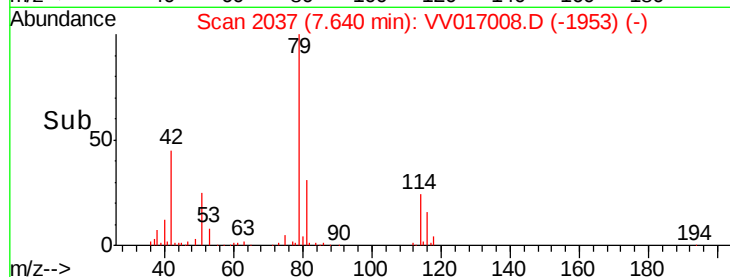
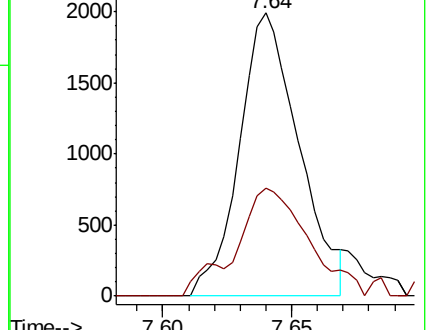
75 100

77 38.1 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV016991.D (-2028) (-)

Ion 77.00 (76.70 to 77.70): VV016991.D (-2028) (-)



#45

1,1,2-Trichloroethane

Concen: 0.742 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.14 min

Lab File: VV017008.D

Acq: 19 Jun 2020 18:35

Tgt Ion: 97 Resp: 1689

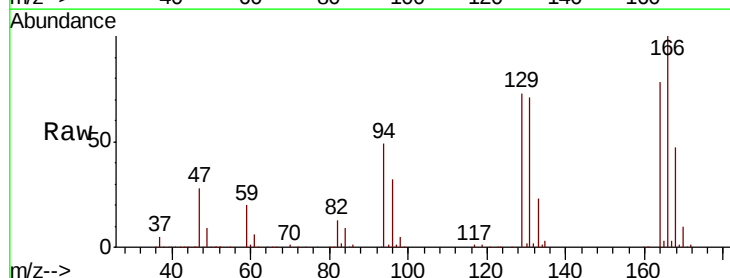
Ion Ratio Lower Upper

97 100

99 25.2 44.3 82.3#

83 246.2 60.0 111.4#

85 34.2 39.5 73.3#

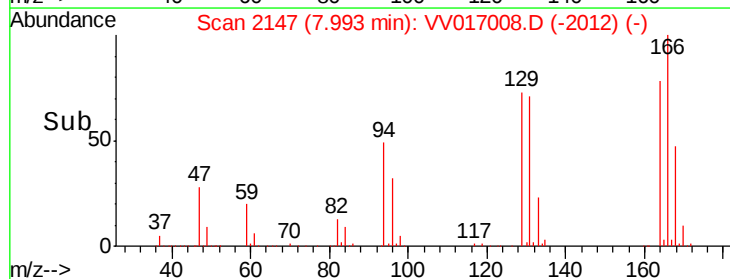
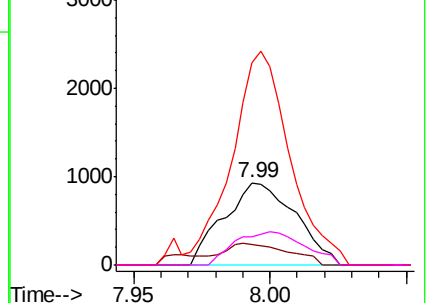


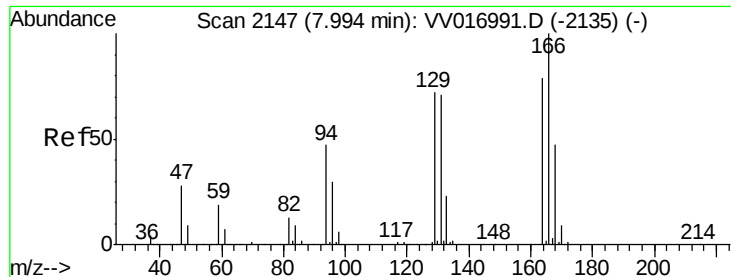
Abundance Ion 97.00 (96.70 to 97.70): VV016991.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV016991.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV016991.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV016991.D (-2093) (-)

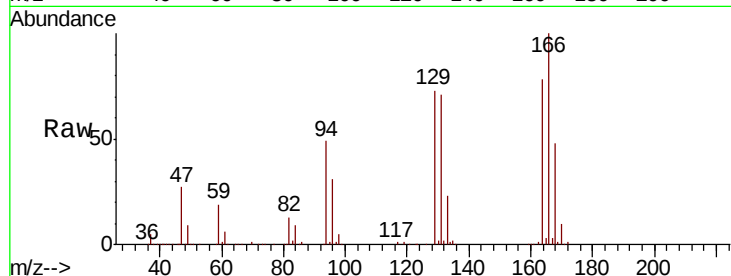




#46
Tetrachloroethene
Concen: 94.928 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017008.D
Acq: 19 Jun 2020 18:35

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
164	100		
129	92.8	67.0	124.4
131	91.0	64.8	120.3
166	127.9	90.4	167.8



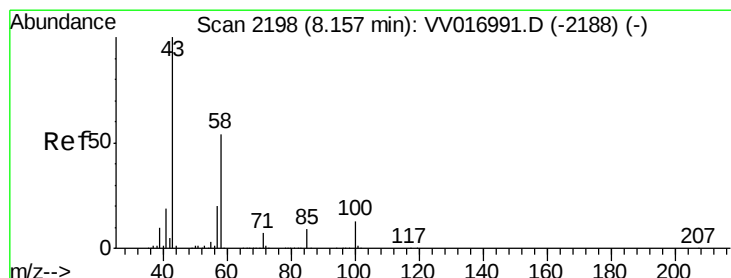
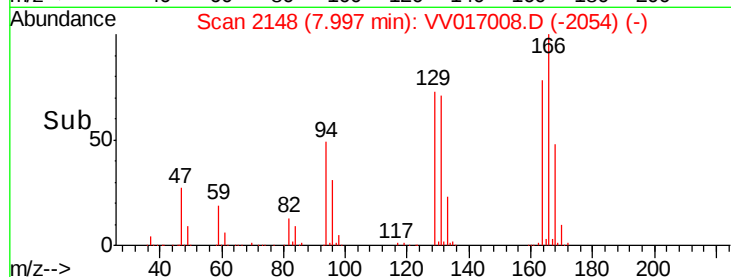
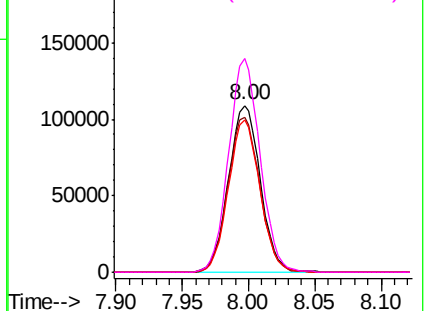
Abundance

Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

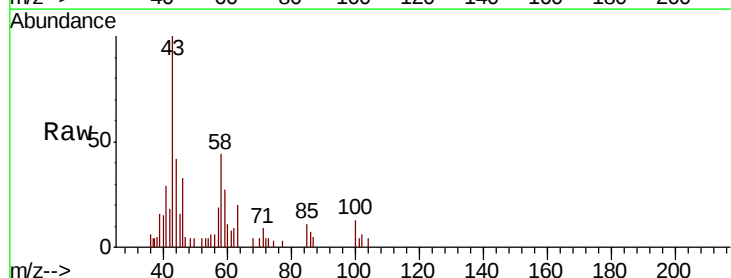
Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48
2-Hexanone
Concen: 3.472 ug/L
RT: 8.17 min Scan# 2201
Delta R.T. 0.01 min
Lab File: VV017008.D
Acq: 19 Jun 2020 18:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.6	43.1	64.7
57	13.4	15.3	22.9#
100	9.1	10.0	15.0#



Abundance

Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

