

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 :
 F9M14

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

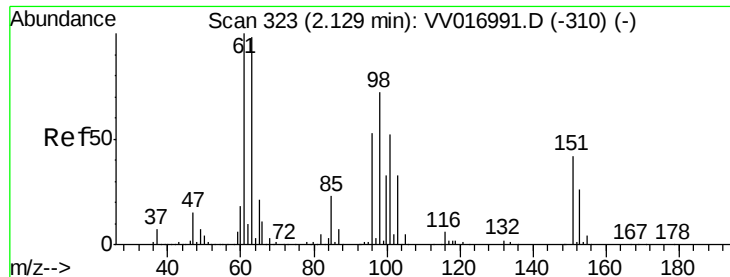
System Monitoring Compounds

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



#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 :

F9M14

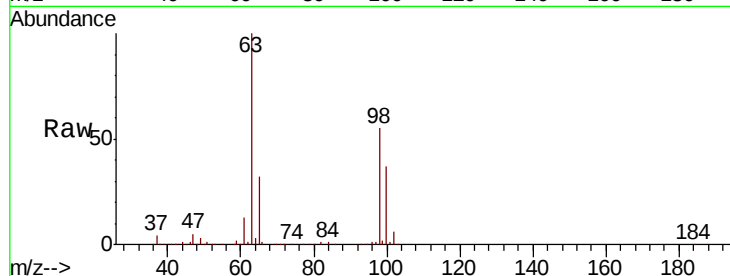
Tot Ion: 101 Resp: 1691

Ion Ratio Lower Upper

101 100

85 2.6 35.5 53.3#

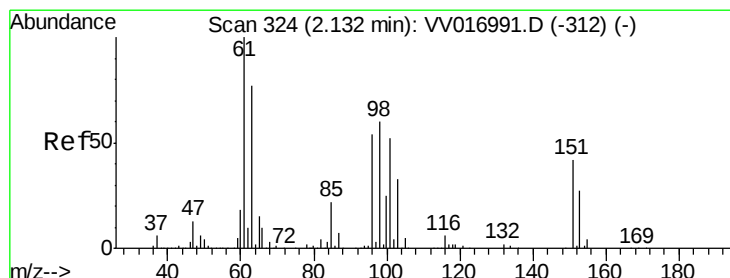
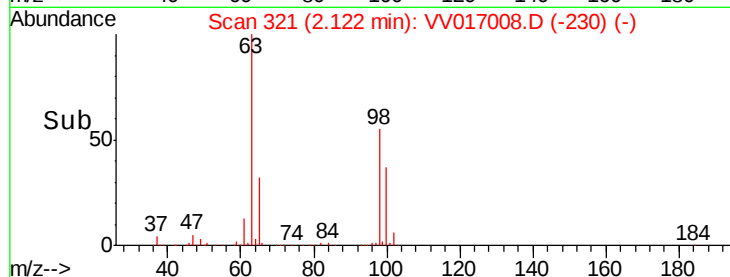
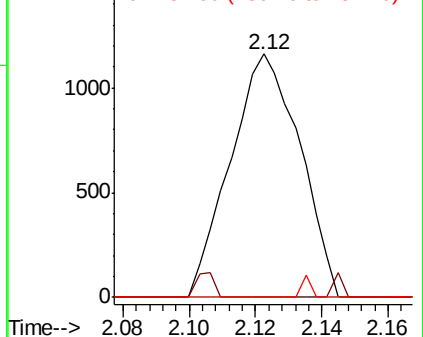
151 0.0 63.9 95.9#



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

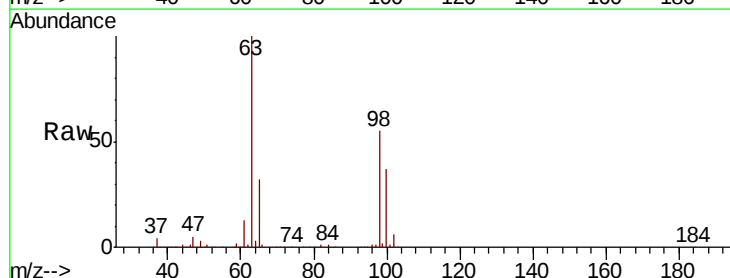
Tgt Ion: 96 Resp: 1697

Ion Ratio Lower Upper

96 100

61 1260.4 130.4 242.2#

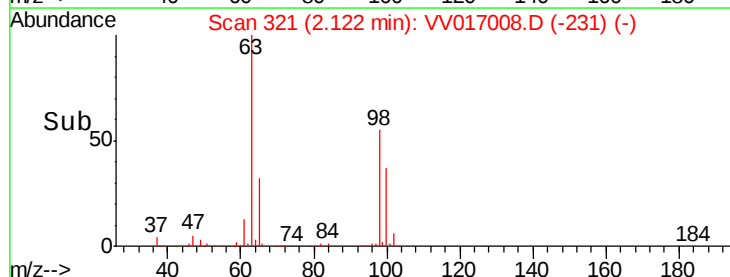
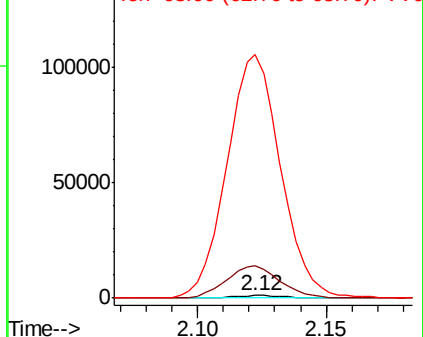
63 9648.3 103.3 191.9#

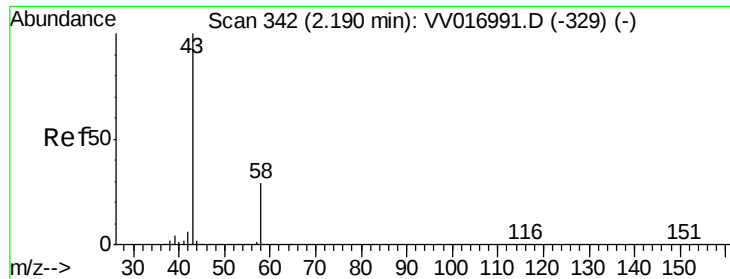


Abundance Ion 96.00 (95.70 to 96.70): VV0

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

ClientSampleId :

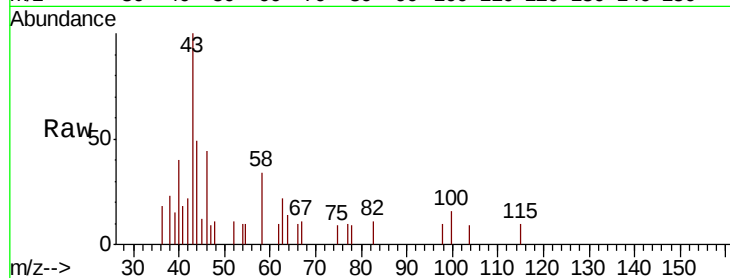
F9M14

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) (-)

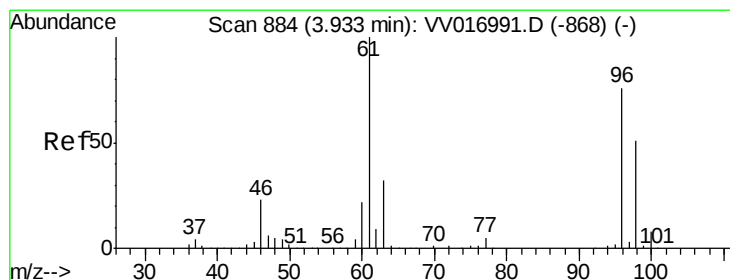
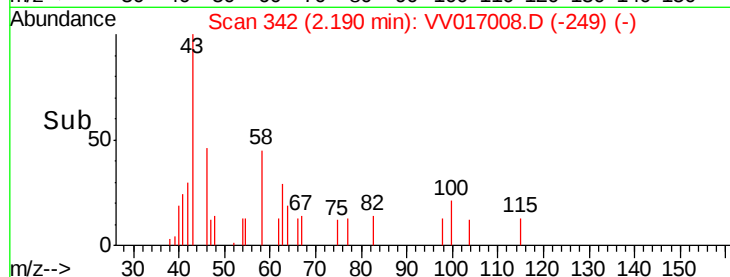
2.19

1000

500

0

Time-->



#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

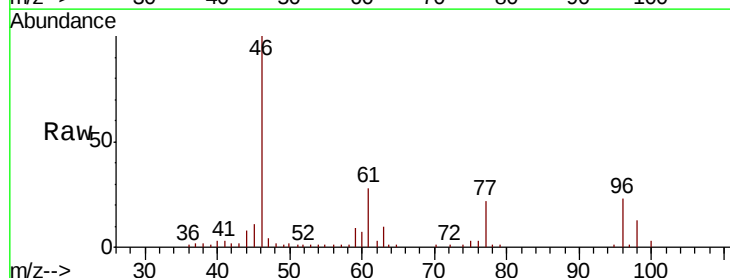
Tgt Ion: 96 Resp: 9039

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) (-)

6000

5000

4000

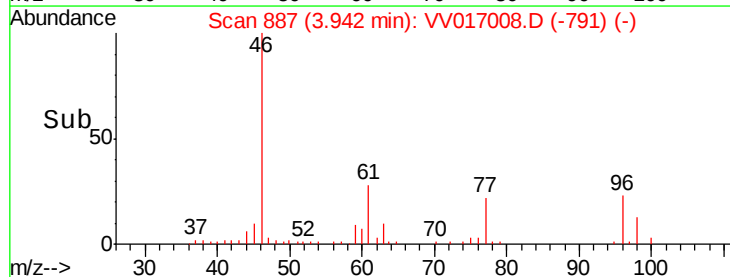
3000

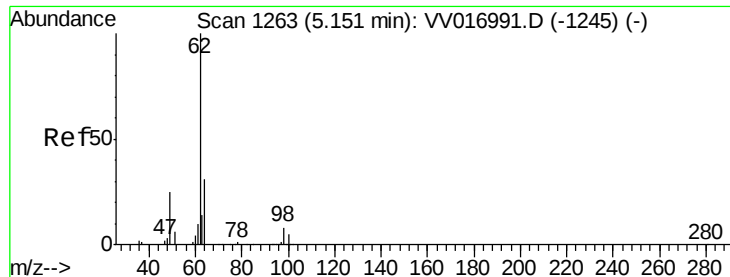
2000

1000

0

Time-->





#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 :

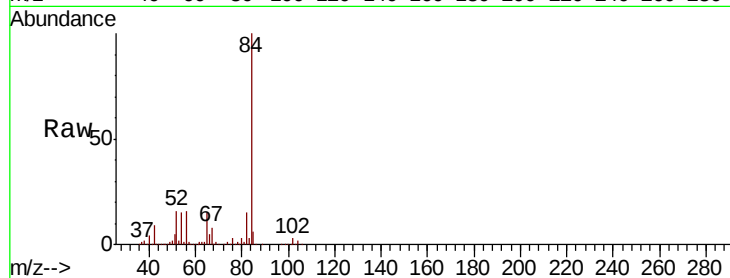
F9M14

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): VV0

Ion 98.00 (97.70 to 98.70): VV0

2000

1500

1000

500

0

Time--> 5.00

5.05

5.10

5.15

5.20

5.25

5.30

5.35

5.40

5.45

5.50

5.55

5.60

5.65

5.70

5.75

5.80

5.85

5.90

5.95

6.00

6.05

6.10

6.15

6.20

6.25

6.30

6.35

6.40

6.45

6.50

6.55

6.60

6.65

6.70

6.75

6.80

6.85

6.90

6.95

7.00

7.05

7.10

7.15

7.20

7.25

7.30

7.35

7.40

7.45

7.50

7.55

7.60

7.65

7.70

7.75

7.80

7.85

7.90

7.95

8.00

8.05

8.10

8.15

8.20

8.25

8.30

8.35

8.40

8.45

8.50

8.55

8.60

8.65

8.70

8.75

8.80

8.85

8.90

8.95

9.00

9.05

9.10

9.15

9.20

9.25

9.30

9.35

9.40

9.45

9.50

9.55

9.60

9.65

9.70

9.75

9.80

9.85

9.90

9.95

10.00

10.05

10.10

10.15

10.20

10.25

10.30

10.35

10.40

10.45

10.50

10.55

10.60

10.65

10.70

10.75

10.80

10.85

10.90

10.95

11.00

11.05

11.10

11.15

11.20

11.25

11.30

11.35

11.40

11.45

11.50

11.55

11.60

11.65

11.70

11.75

11.80

11.85

11.90

11.95

12.00

12.05

12.10

12.15

12.20

12.25

12.30

12.35

12.40

12.45

12.50

12.55

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

14.80

14.85

14.90

14.95

15.00

15.05

15.10

15.15

15.20

15.25

15.30

15.35

15.40

15.45

15.50

15.55

15.60

15.65

15.70

15.75

15.80

15.85

15.90

15.95

16.00

16.05

16.10

16.15

16.20

16.25

16.30

16.35

16.40

16.45

16.50

16.55

16.60

16.65

16.70

16.75

16.80

16.85

16.90

16.95

17.00

17.05

17.10

17.15

17.20

17.25

17.30

17.35

17.40

17.45

17.50

17.55

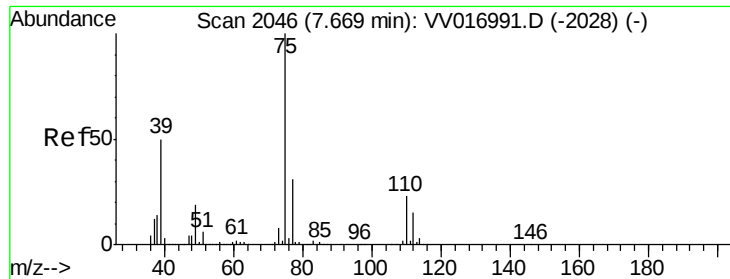
17.60

17.65

17.70

17.75

17.80



#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 :

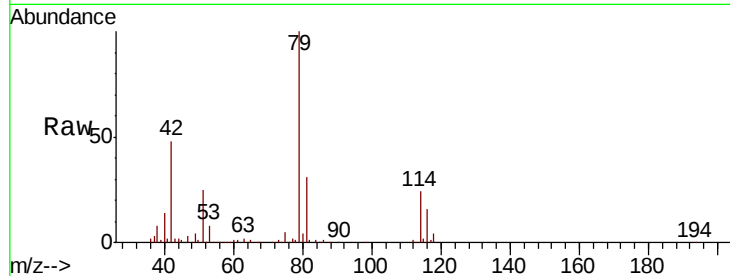
F9M14

Tot Ion: 75 Resp: 3211

Ion Ratio Lower Upper

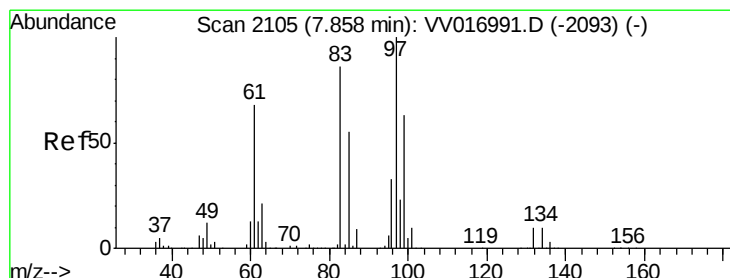
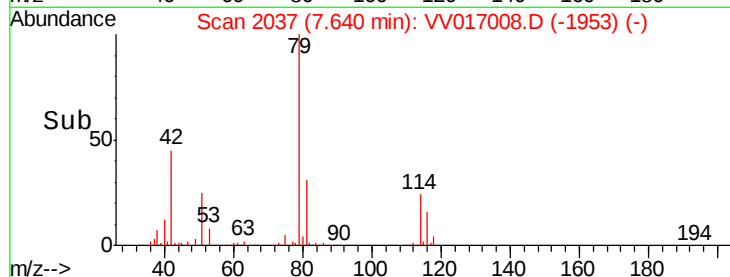
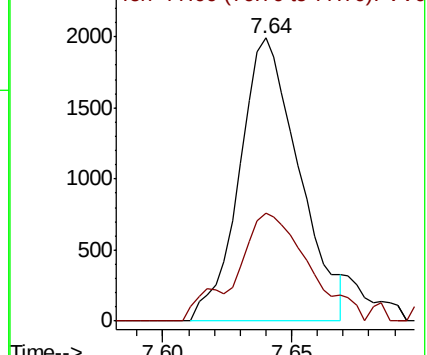
75 100

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

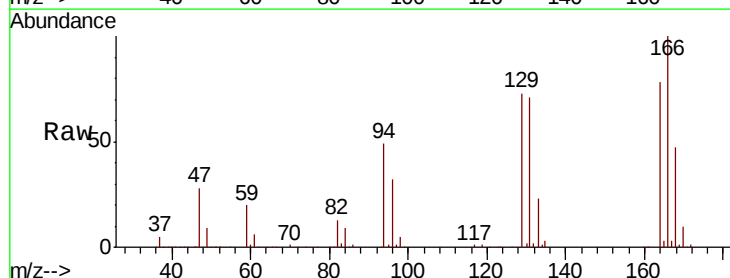
Ion Ratio Lower Upper

97 100

99 25.2 44.3 82.3#

83 246.2 60.0 111.4#

85 34.2 39.5 73.3#

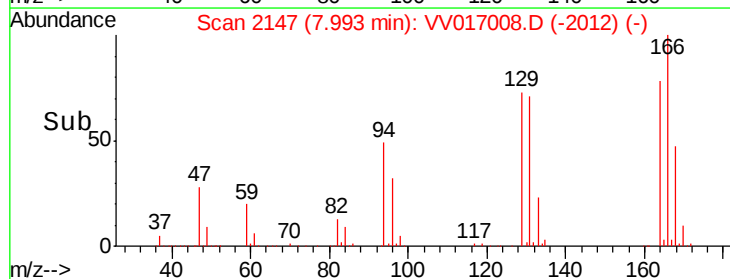
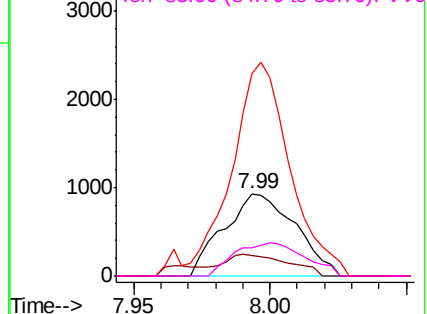


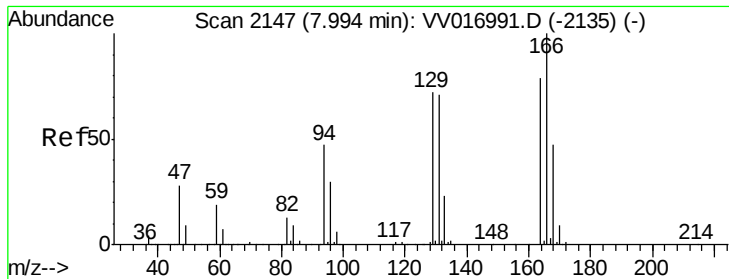
Abundance Ion 97.00 (96.70 to 97.70): VV016991.D (-2093) (-)

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) (-)

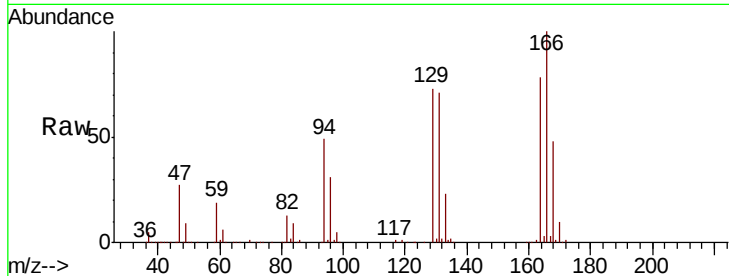




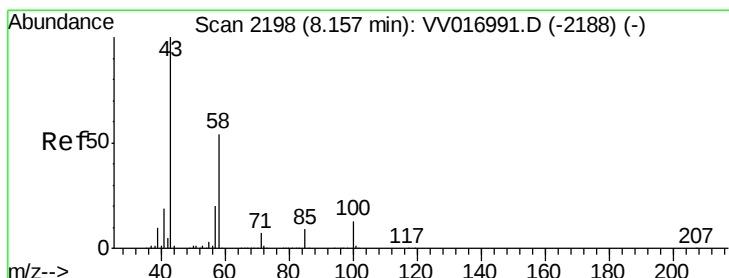
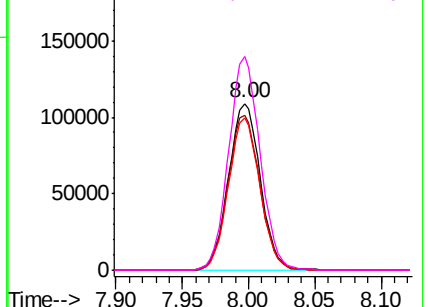
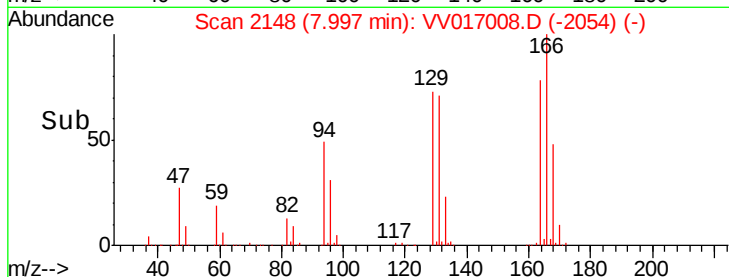
#46
Tetrachloroethene
Concen: 94.928 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017008.D
Acq: 19 Jun 2020 18:35

Instrument :
MSVOA_V
ClientSampled :
F9M14

Tot Ion:164 Resp: 181674
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

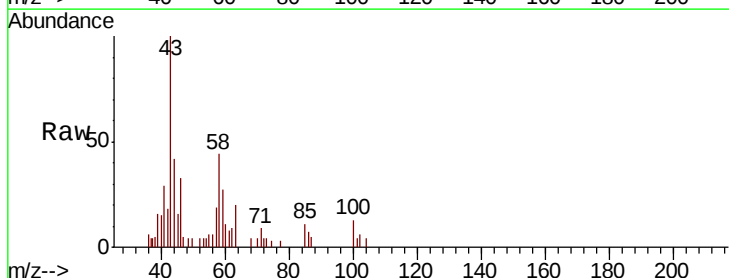


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#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: 43 Resp: 9000
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

