

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111918\
 Data File : VV008650.D
 Acq On : 19 Nov 2018 14:50
 Operator : SY/MD
 Sample : J5995-06
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK0

Quant Time: Nov 20 07:00:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 06:56:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	145842	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	132295	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56053	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28376	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.59	69	23239	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.14	63	44511	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.96	46	111960	48.30	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	4.41	84	82169	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.09	65	43579	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	157886	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.12	67	52766	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.36	98	144738	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.67	79	17324	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.14	63	84179	43.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.56%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35799	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	48092	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

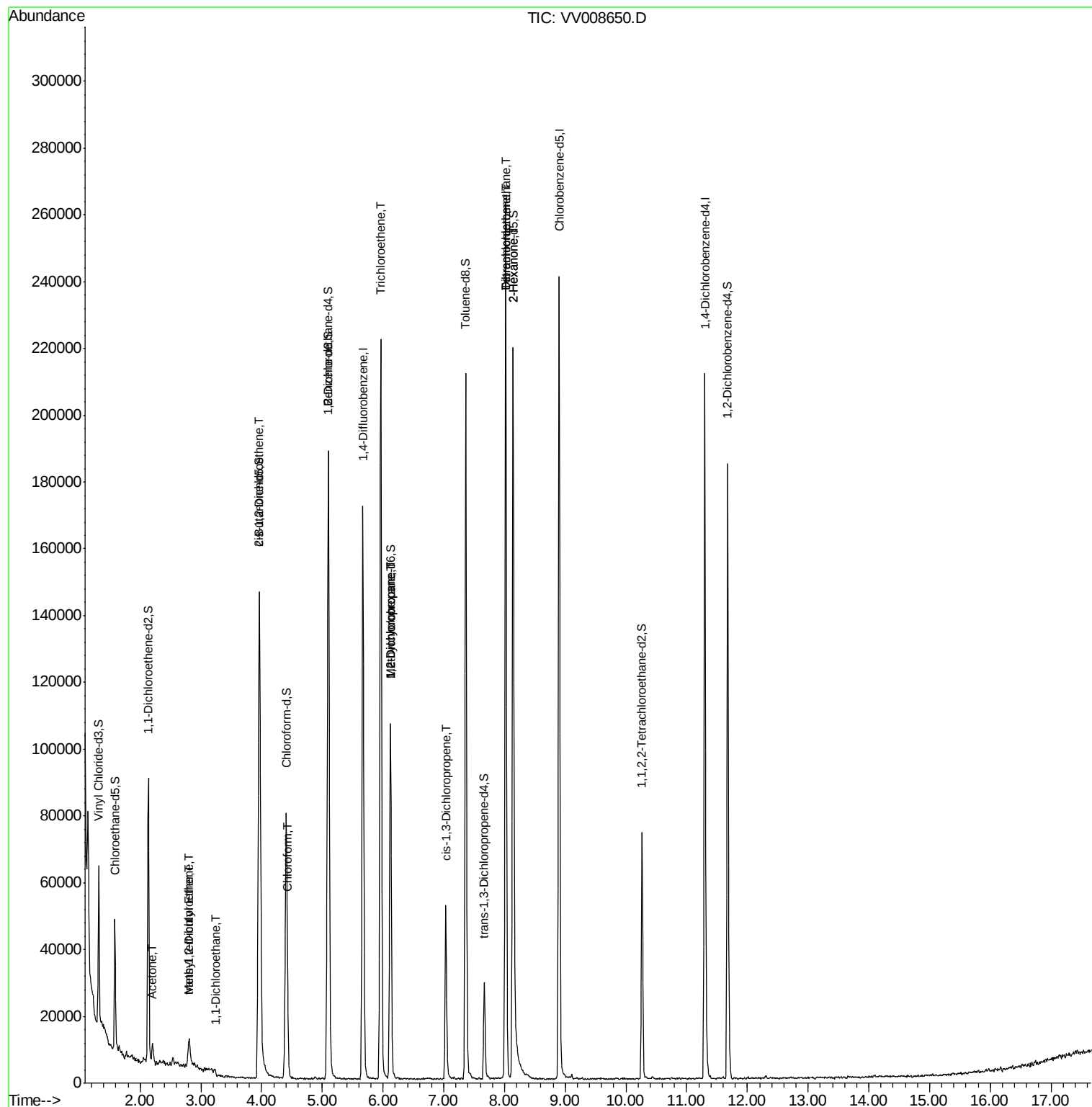
					Qvalue
13) Acetone	2.20	43	6554	5.422	ug/L 93
17) Methyl tert-butyl Ether	2.81	73	6389	0.355	ug/L 97
18) trans-1,2-Dichloroethene	2.80	96	1586	0.216	ug/L # 66
19) 1,1-Dichloroethane	3.23	63	1513	0.081	ug/L # 80
22) cis-1,2-Dichloroethene	3.97	96	49041	4.427	ug/L 97
25) Chloroform	4.43	83	2037	0.087	ug/L 89
34) Trichloroethene	5.96	95	78651	7.095	ug/L 98
35) Methylcyclohexane	6.12	83	12491	0.665	ug/L # 16
37) 1,2-Dichloropropane	6.12	63	5704	0.517	ug/L # 89
39) cis-1,3-Dichloropropene	7.04	75	1229	0.083	ug/L # 60
47) Tetrachloroethene	8.02	164	55795	6.955	ug/L 93
48) 2-Hexanone	8.14	43	10253	2.354	ug/L # 71
49) Dibromochloromethane	8.02	129	53915	6.757	ug/L # 10

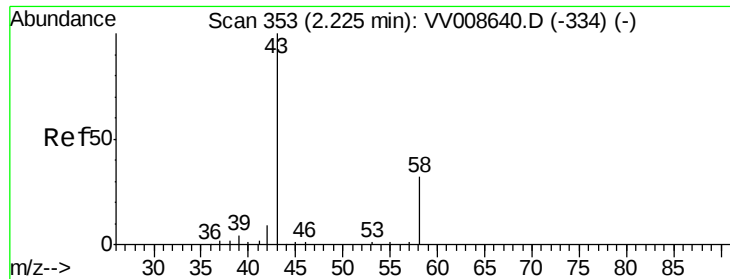
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 06:56:52 2018
Response via : Initial Calibration





#13

Acetone

Concen: 5.422 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.02 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

Instrument :

MSVOA_V

ClientSampleId :

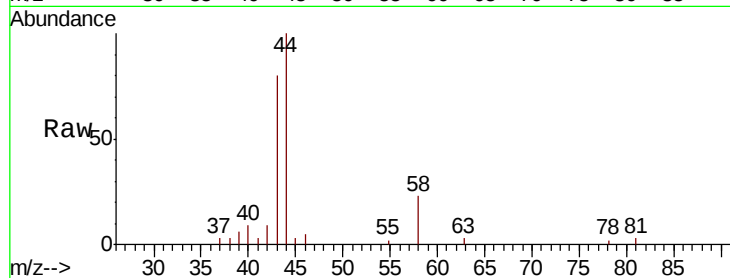
H0FK0

Tgt Ion: 43 Resp: 6554

Ion Ratio Lower Upper

43 100

58 32.1 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VV008650.D (-346) (-)

Ion 58.05 (57.75 to 58.75): VV008650.D (-346) (-)

2.20

4000

3000

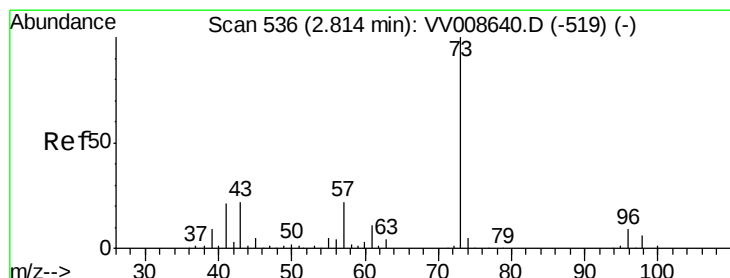
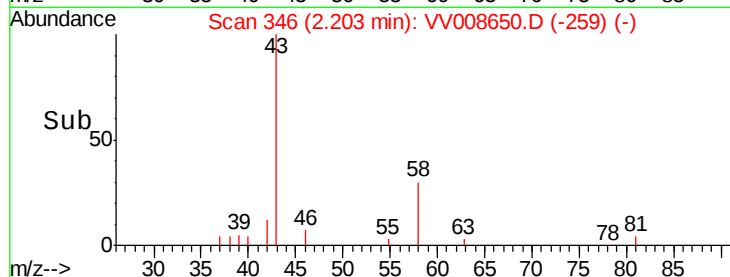
2000

1000

0

Time-->

2.15 2.20 2.25



#17

Methyl tert-butyl Ether

Concen: 0.355 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

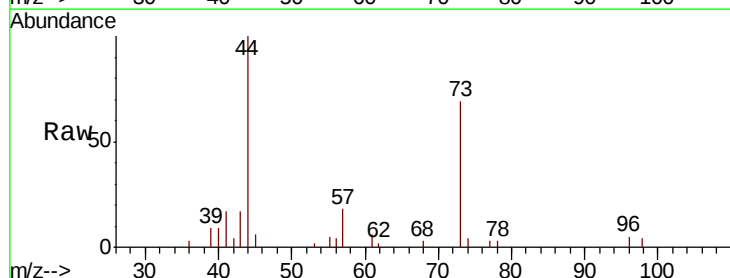
Tgt Ion: 73 Resp: 6389

Ion Ratio Lower Upper

73 100

43 19.8 18.1 27.1

57 22.2 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VV008650.D (-536) (-)

Ion 43.05 (42.75 to 43.75): VV008650.D (-536) (-)

Ion 57.10 (56.80 to 57.80): VV008650.D (-536) (-)

2.81

4000

3000

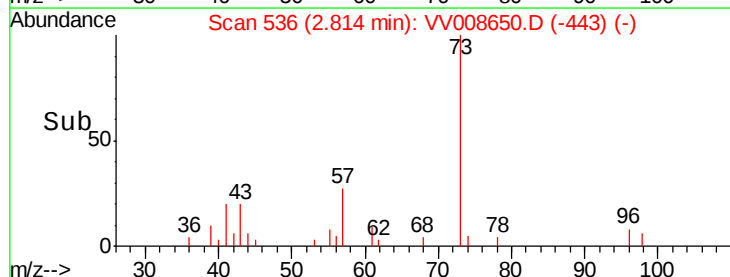
2000

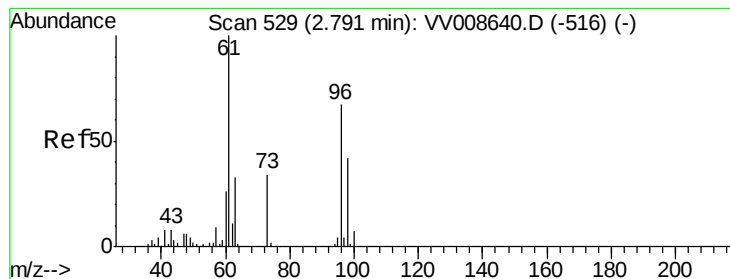
1000

0

Time-->

2.75 2.80 2.85





#18

trans-1,2-Dichloroethene

Concen: 0.216 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

Instrument :

MSVOA_V

ClientSampleId :

H0FK0

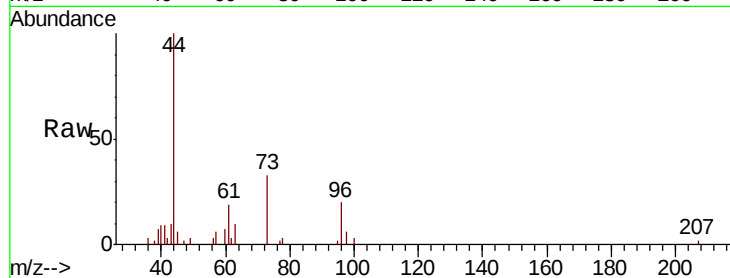
Tgt Ion: 96 Resp: 1586

Ion Ratio Lower Upper

96 100

61 99.0 97.1 180.3

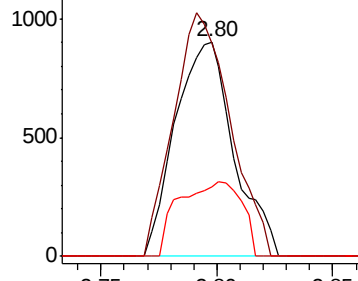
98 32.6 41.9 77.7#



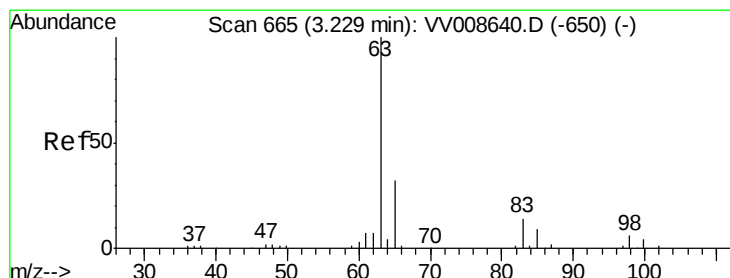
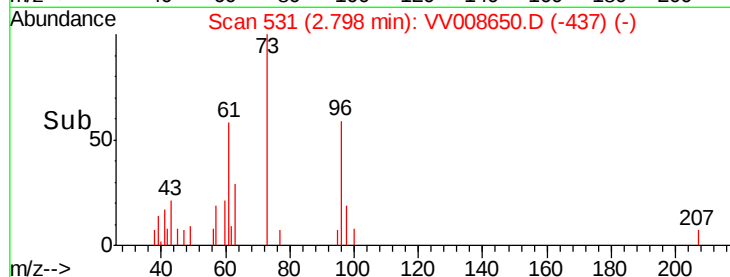
Abundance Ion 96.00 (95.70 to 96.70): VV008640.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV008640.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV008640.D (-516) (-)



Time-->



#19

1,1-Dichloroethane

Concen: 0.081 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.01 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

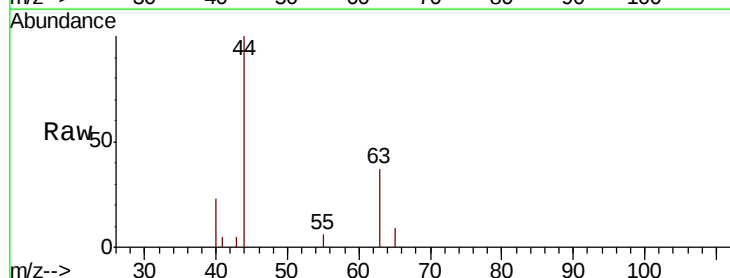
Tgt Ion: 63 Resp: 1513

Ion Ratio Lower Upper

63 100

65 25.4 23.2 43.0

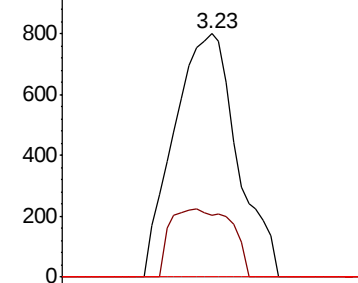
83 0.0 9.5 17.7#



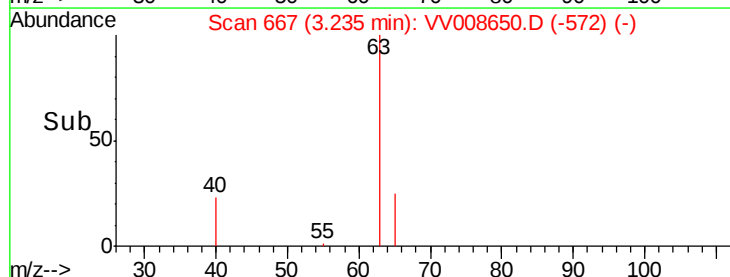
Abundance Ion 63.10 (62.80 to 63.80): VV008640.D (-650) (-)

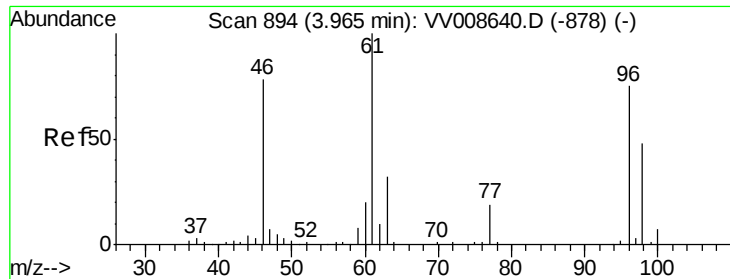
Ion 65.10 (64.80 to 65.80): VV008640.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV008640.D (-650) (-)



Time-->

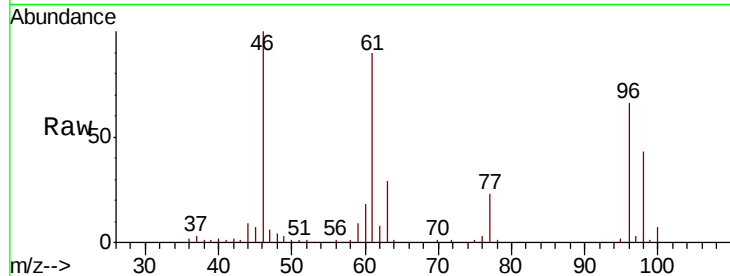




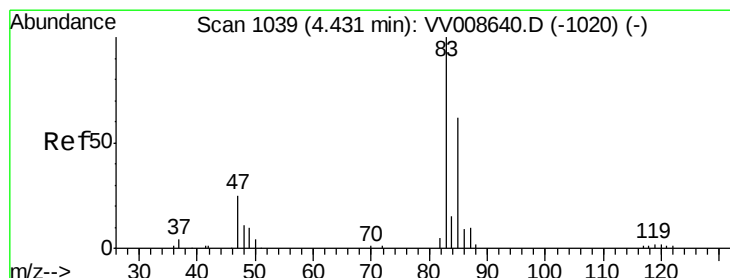
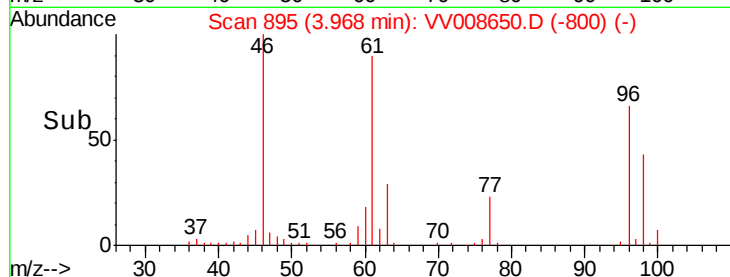
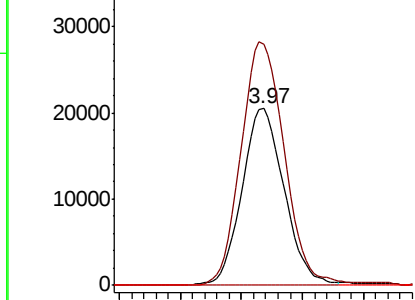
#22
 cis-1,2-Dichloroethene
 Concen: 4.427 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV008650.D
 Acq: 19 Nov 2018 14:50

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FK0

Tgt Ion: 96 Resp: 49041
 Ion Ratio Lower Upper
 96 100
 61 136.3 93.2 173.2
 68 0.0 0.0 0.0

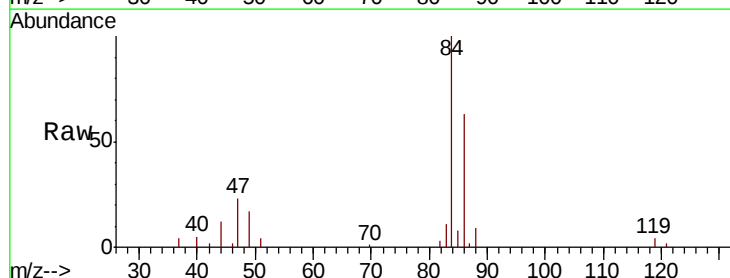


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

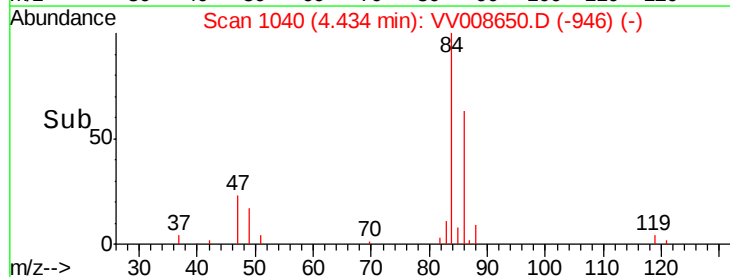
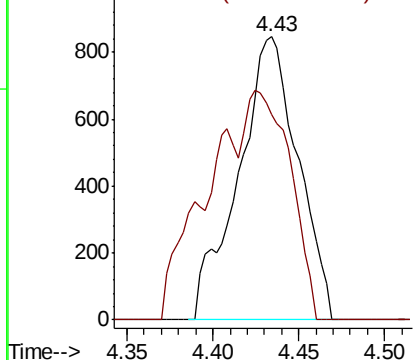


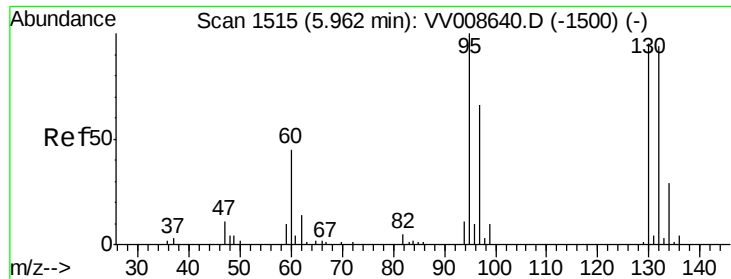
#25
 Chloroform
 Concen: 0.087 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VV008650.D
 Acq: 19 Nov 2018 14:50

Tgt Ion: 83 Resp: 2037
 Ion Ratio Lower Upper
 83 100
 85 72.3 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 7.095 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

Instrument :

MSVOA_V

ClientSampleId :

H0FK0

Tgt Ion: 95 Resp: 78651

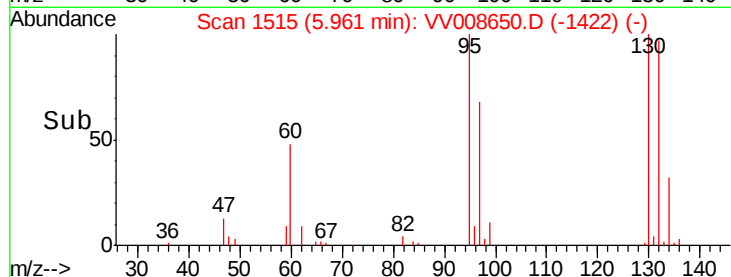
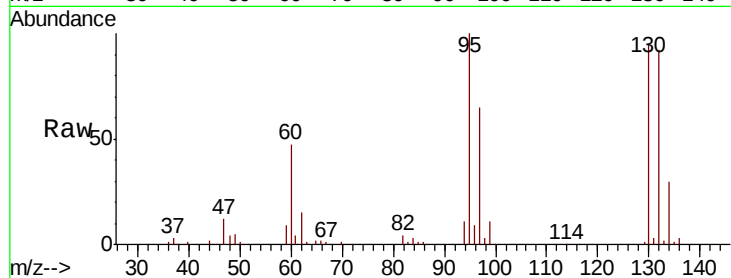
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.7

132 92.1 66.3 123.1

130 95.3 68.0 126.4

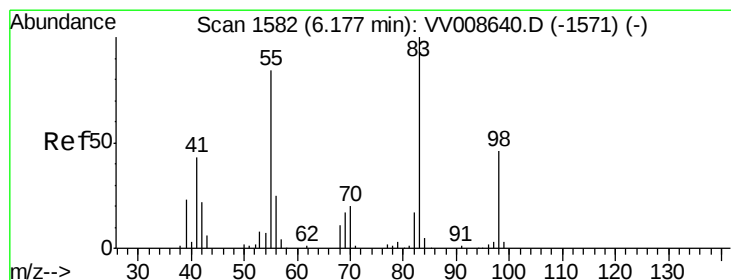
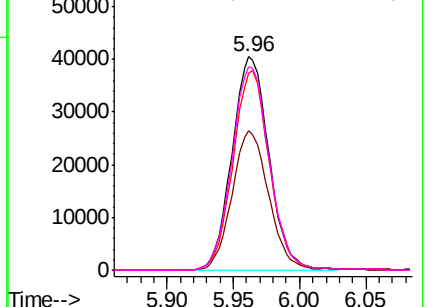


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

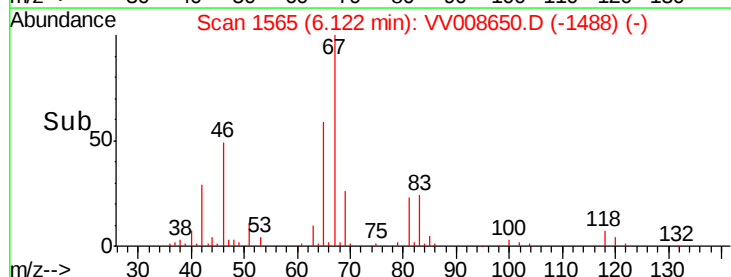
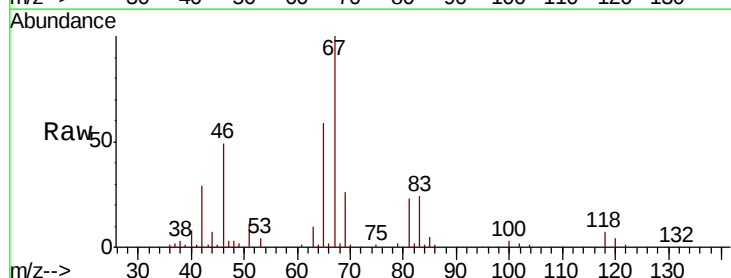
Tgt Ion: 83 Resp: 12491

Ion Ratio Lower Upper

83 100

55 0.0 65.6 98.4#

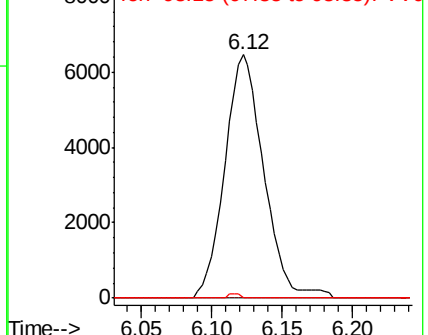
98 0.0 36.4 54.6#

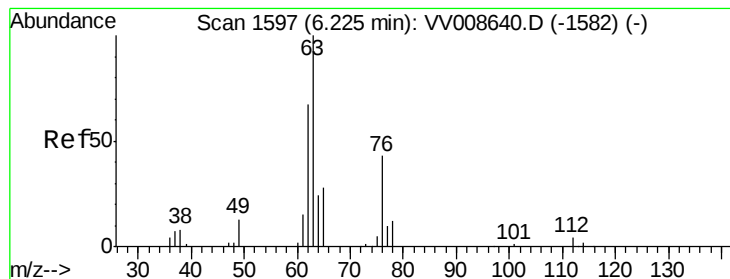


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.517 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

Instrument :

MSVOA_V

ClientSampleId :

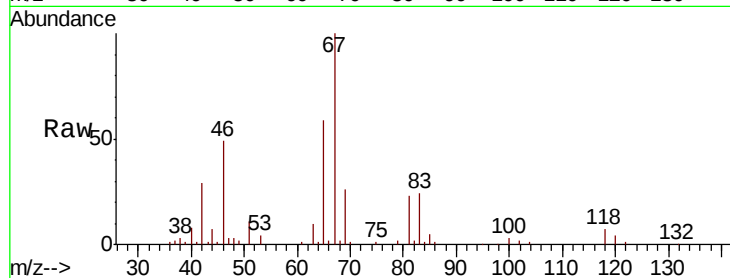
H0FK0

Tgt Ion: 63 Resp: 5704

Ion Ratio Lower Upper

63 100

112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VV008640.D (-1582) (-)

Ion 112.10 (111.80 to 112.80): VV008640.D (-1582) (-)

6.12

3000

2500

2000

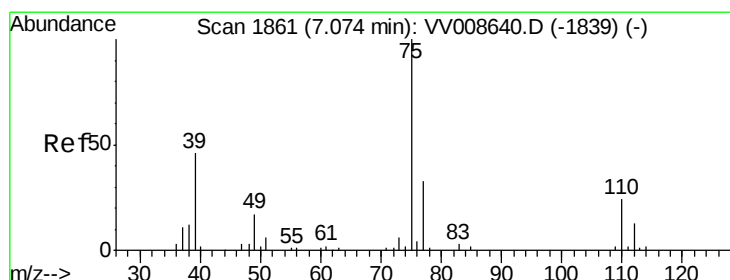
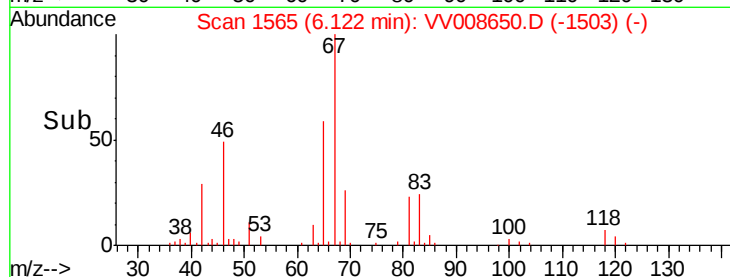
1500

1000

500

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV008650.D

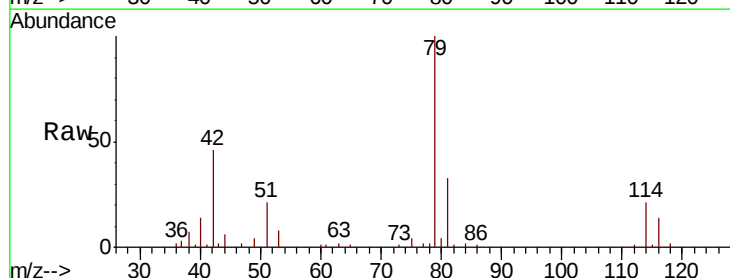
Acq: 19 Nov 2018 14:50

Tgt Ion: 75 Resp: 1229

Ion Ratio Lower Upper

75 100

77 55.4 23.0 42.8#



Abundance Ion 75.05 (74.75 to 75.75): VV008640.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV008640.D (-1839) (-)

7.04

800

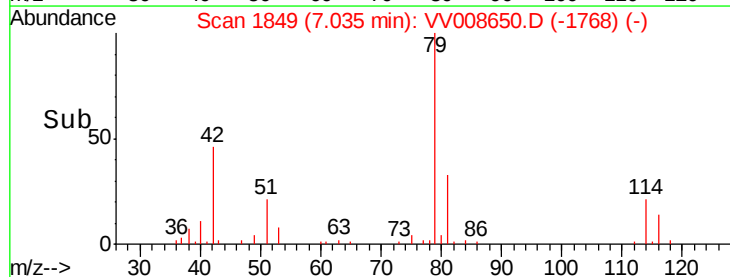
600

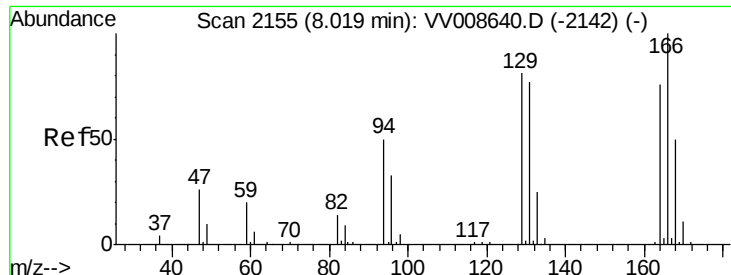
400

200

0

Time-->





#47

Tetrachloroethene

Concen: 6.955 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

Instrument :

MSVOA_V

ClientSampleId :

H0FK0

Tgt Ion:164 Resp: 55795

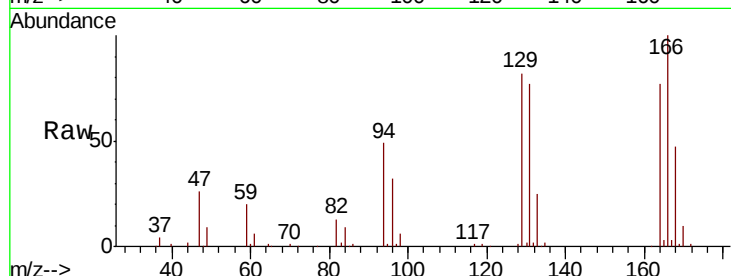
Ion Ratio Lower Upper

164 100

129 106.2 67.5 125.4

131 99.7 66.4 123.4

166 130.2 85.8 159.3



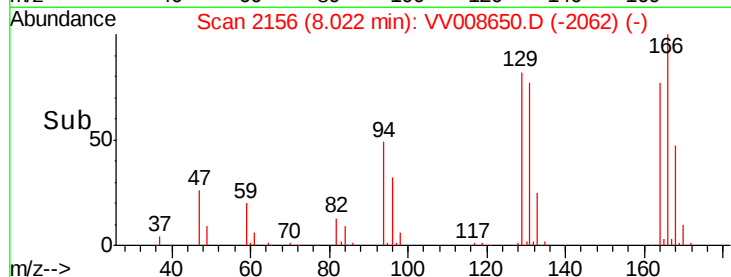
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

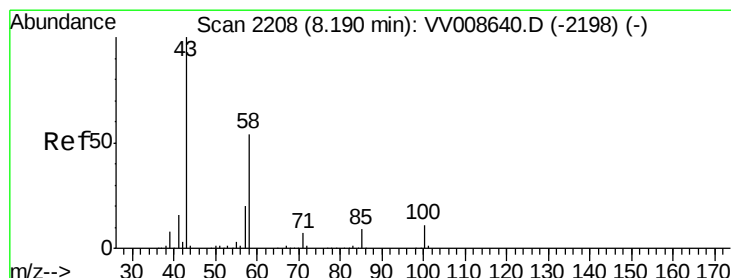
Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

Time-->



Time-->



#48

2-Hexanone

Concen: 2.354 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

Tgt Ion: 43 Resp: 10253

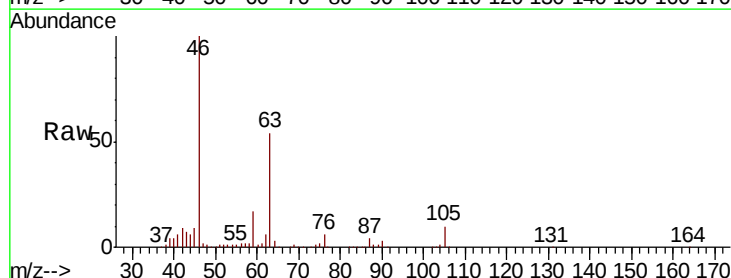
Ion Ratio Lower Upper

43 100

58 28.8 41.8 62.8#

57 27.3 15.4 23.0#

100 0.0 8.7 13.1#



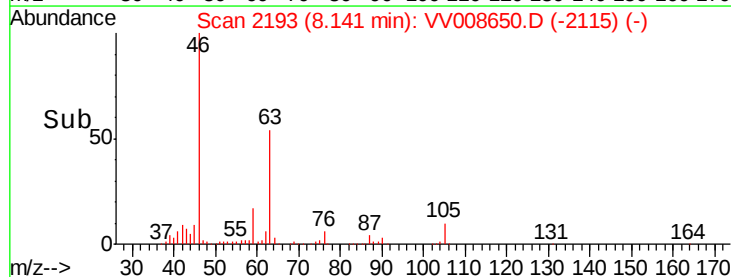
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

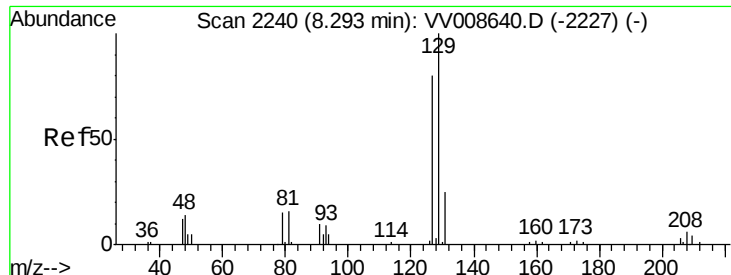
Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

Time-->



Time-->



#49

Dibromochloromethane

Concen: 6.757 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV008650.D

Acq: 19 Nov 2018 14:50

Instrument :

MSVOA_V

ClientSampleId :

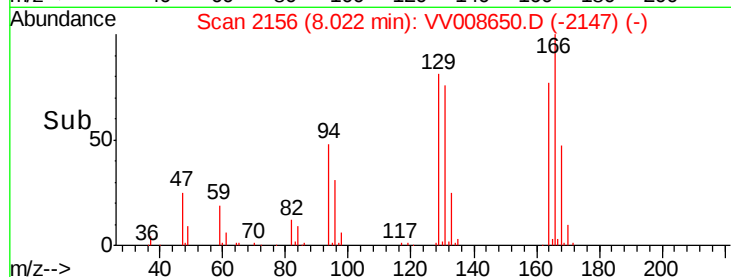
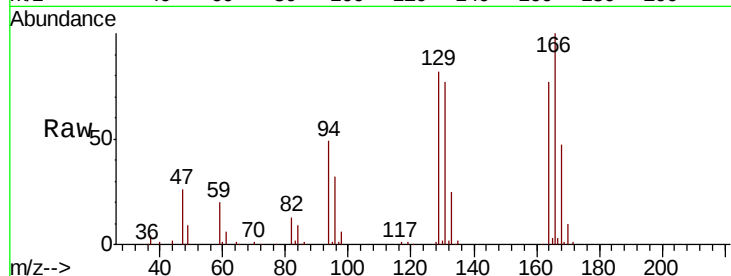
H0FK0

Tgt Ion:129 Resp: 53915

Ion Ratio Lower Upper

129 100

127 0.0 54.6 101.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

