

Data File : VV008080.D
Acq On : 04 Oct 2018 23:47
Operator : SY/MD
Sample : J5246-14
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0J82

Quant Time: Oct 05 05:59:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:56:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	80495	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	77702	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	38726	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17497	4.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.00%
7) Chloroethane-d5	1.58	69	16984	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.13	63	27628	2.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.80%#
20) 2-Butanone-d5	4.00	46	62702	48.31	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.62%
24) Chloroform-d	4.41	84	49885	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
26) 1,2-Dichloroethane-d4	5.09	65	26102	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.10	84	90890	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.13	67	31049	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.36	98	81073	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	7.67	79	9452	4.17	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.40%
46) 2-Hexanone-d5	8.15	63	46357	46.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23328	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	36254	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

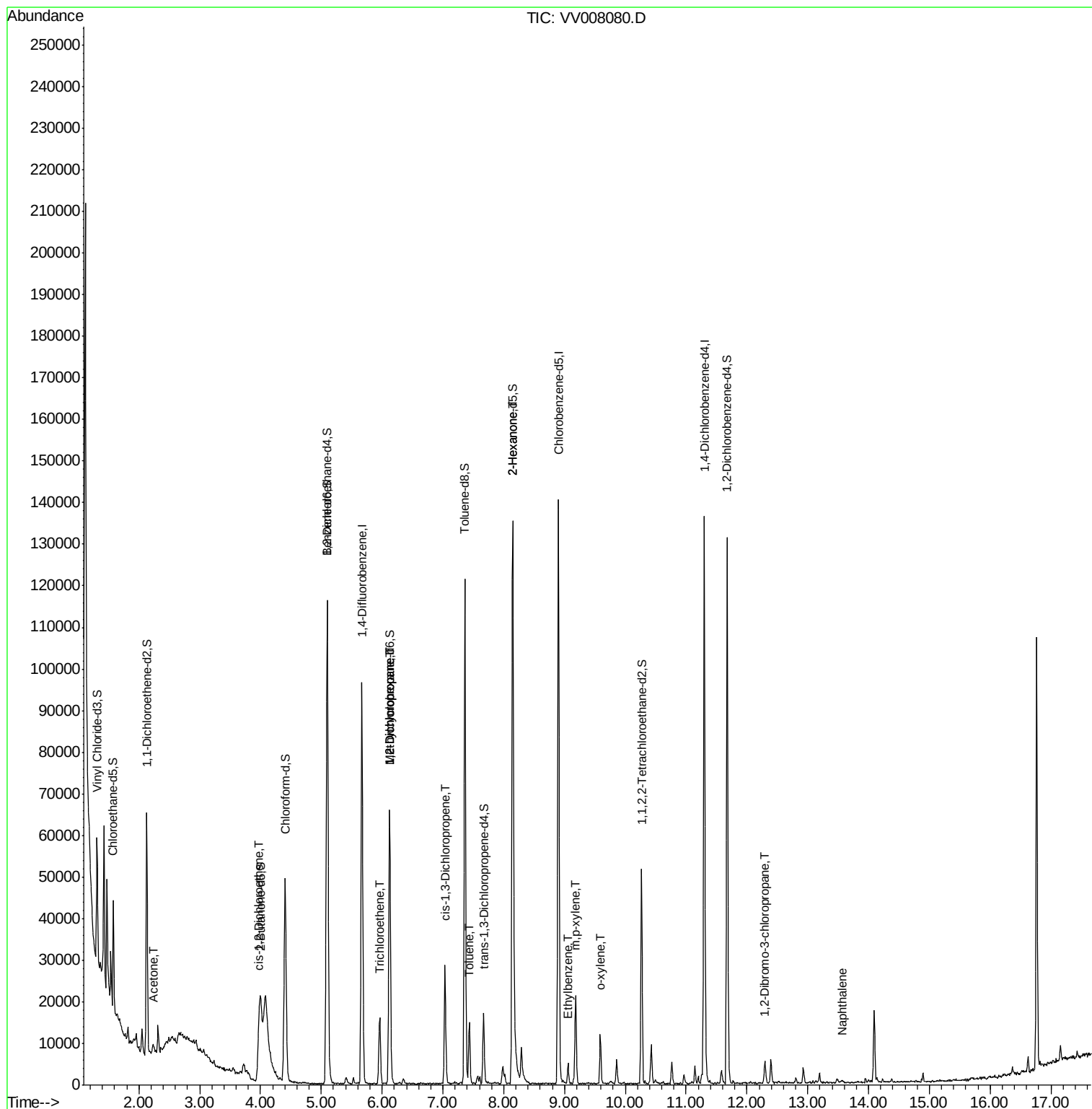
					Qvalue
13) Acetone	2.25	43	2778	2.938 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	3433	0.578 ug/L	97
34) Trichloroethene	5.96	95	4739	0.744 ug/L	94
35) Methylcyclohexane	6.13	83	7690	0.805 ug/L #	22
37) 1,2-Dichloropropane	6.13	63	3344	0.588 ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	671	0.088 ug/L #	63
42) Toluene	7.43	91	10610	0.438 ug/L	97
48) 2-Hexanone	8.15	43	6400	2.579 ug/L #	72
52) Ethylbenzene	9.06	91	3078	0.114 ug/L	91
53) m,p-xylene	9.18	106	5955	0.579 ug/L	95
54) o-xylene	9.59	106	3296	0.332 ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.30	75	79	0.129 ug/L #	1
69) Naphthalene	13.56	128	920	0.071 ug/L #	69

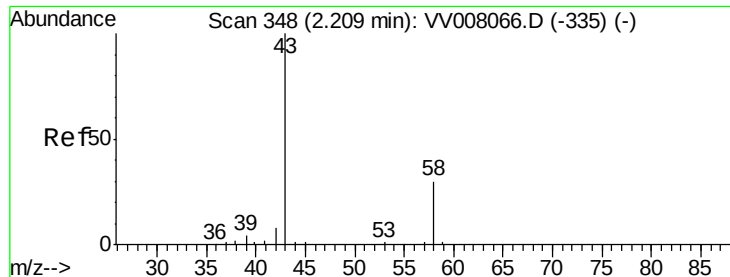
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.938 ug/L

RT: 2.25 min Scan# 362

Delta R.T. 0.04 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

Instrument :

MSVOA_V

ClientSampleId :

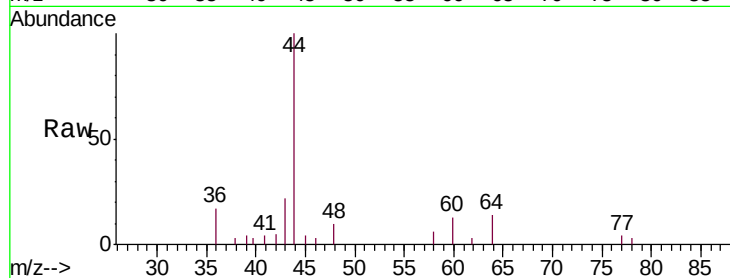
C0J82

Tgt Ion: 43 Resp: 2778

Ion Ratio Lower Upper

43 100

58 35.1 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV008066.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV008066.D (-335) (-)

2.25

800

600

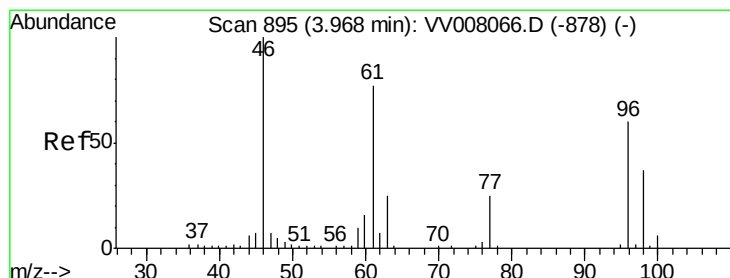
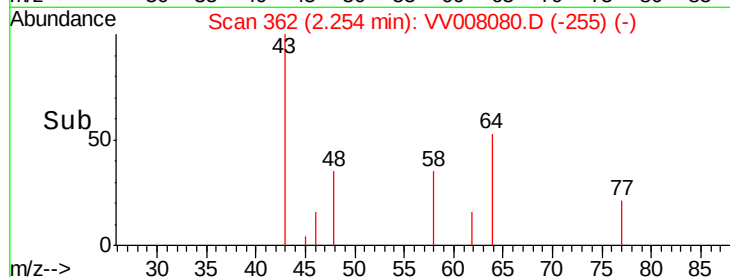
400

200

0

2.15 2.20 2.25 2.30

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.578 ug/L

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

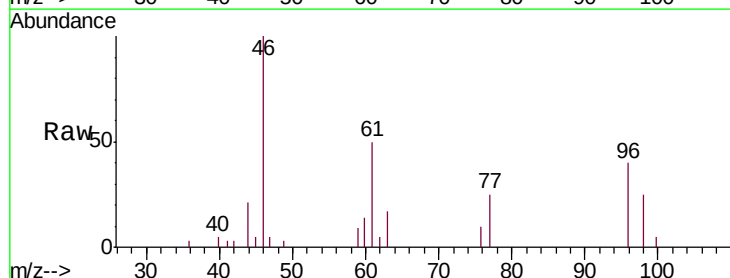
Tgt Ion: 96 Resp: 3433

Ion Ratio Lower Upper

96 100

61 123.9 89.5 166.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008066.D (-878) (-)

Ion 61.05 (60.75 to 61.75): VV008066.D (-878) (-)

Ion 68.15 (67.85 to 68.85): VV008066.D (-878) (-)

2500

2000

1500

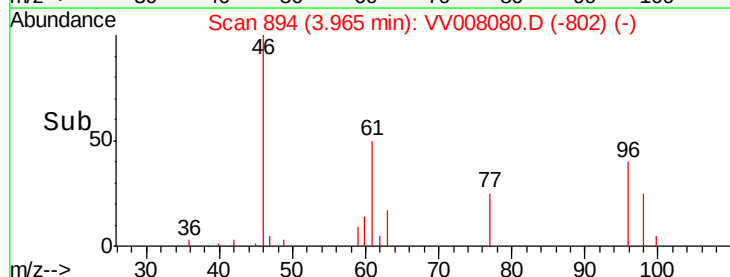
1000

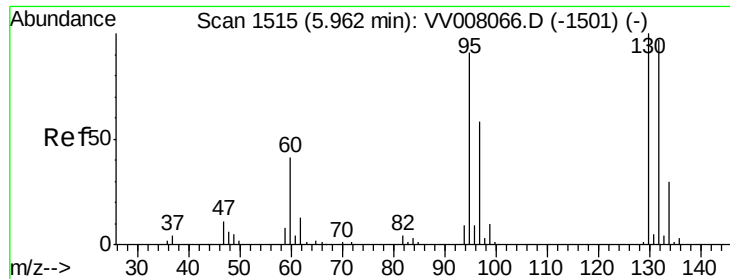
500

0

3.90 3.95 4.00

Time-->





#34

Trichloroethene

Concen: 0.744 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

Instrument :

MSVOA_V

ClientSampleId :

C0J82

Tgt Ion: 95 Resp: 4739

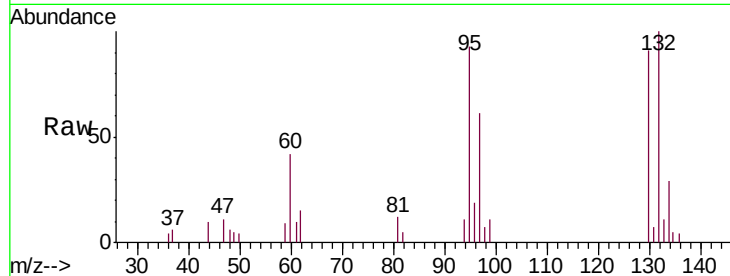
Ion Ratio Lower Upper

95 100

97 65.2 43.6 81.0

132 107.2 69.9 129.9

130 97.2 71.7 133.3

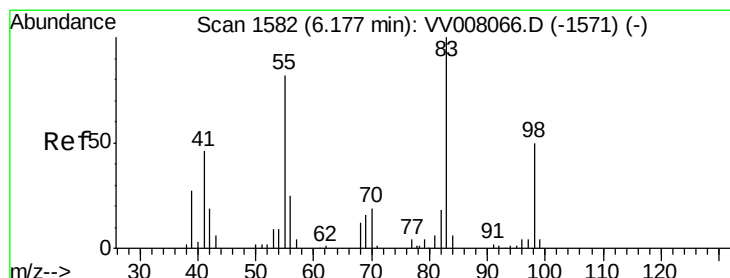
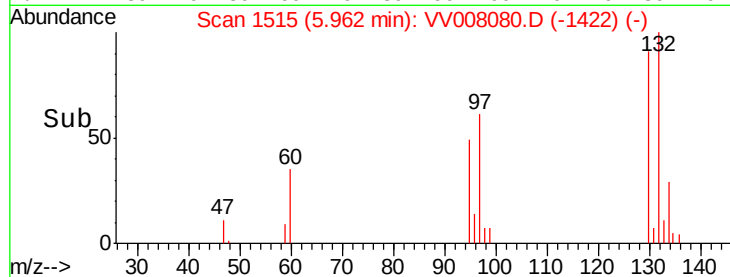
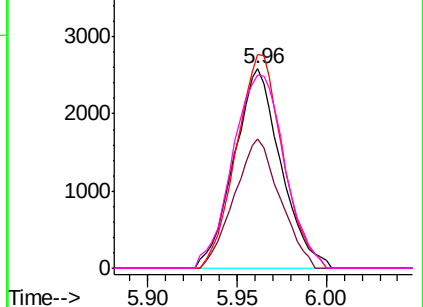


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.805 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

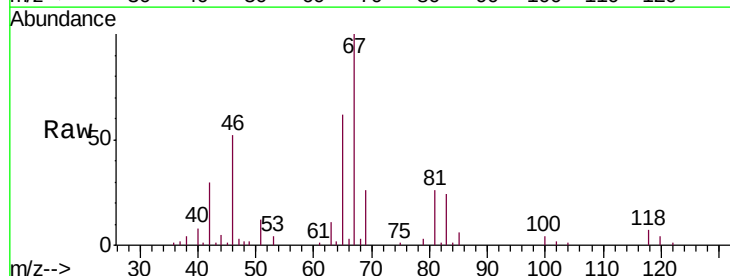
Tgt Ion: 83 Resp: 7690

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

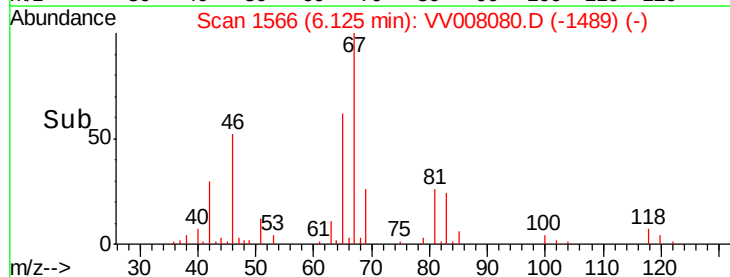
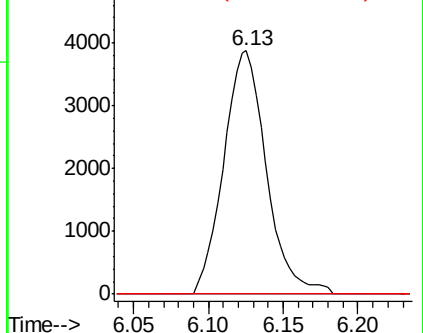
98 7.9 38.0 57.0#

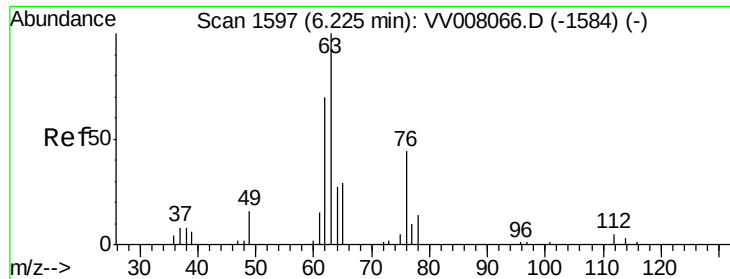


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

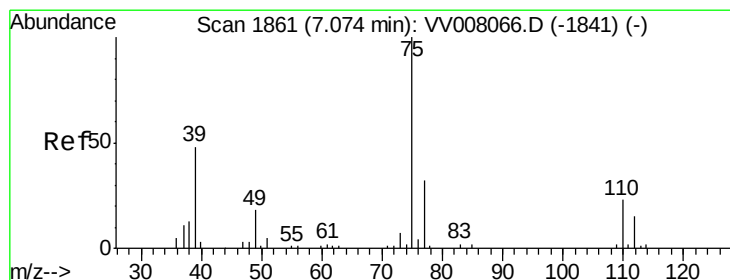
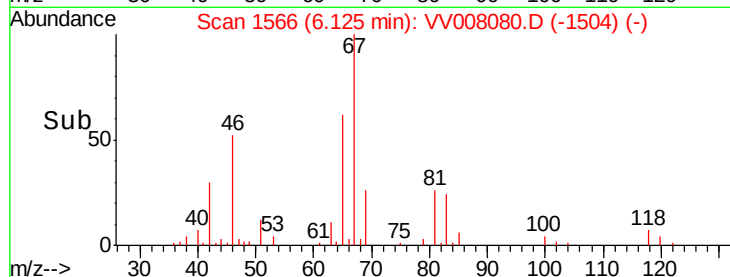
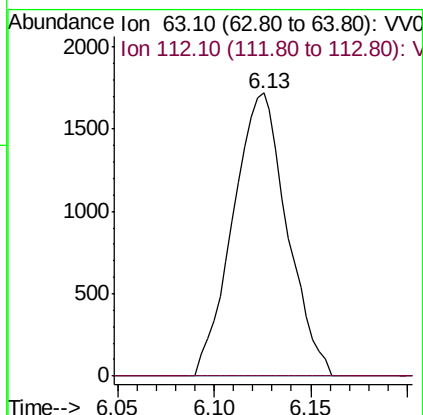
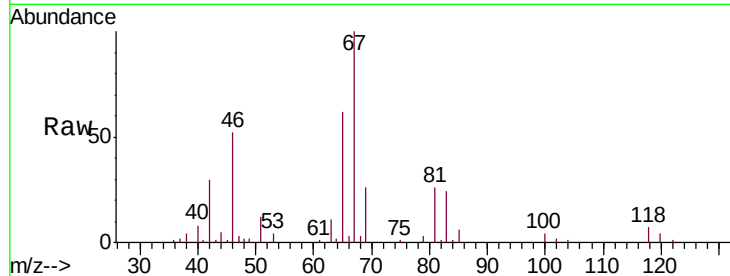




#37
 1,2-Dichloropropane
 Concen: 0.588 ug/L
 RT: 6.13 min Scan# 1566
 Delta R.T. -0.10 min
 Lab File: VV008080.D
 Acq: 04 Oct 2018 23:47

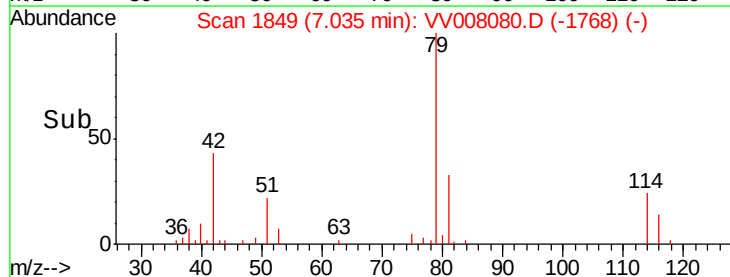
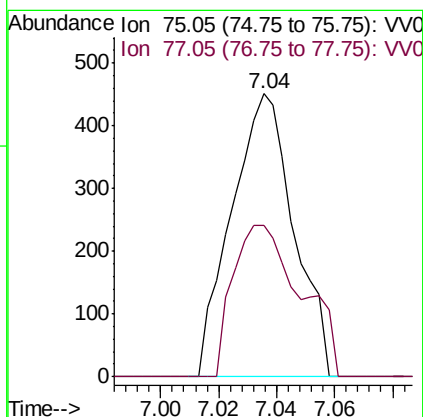
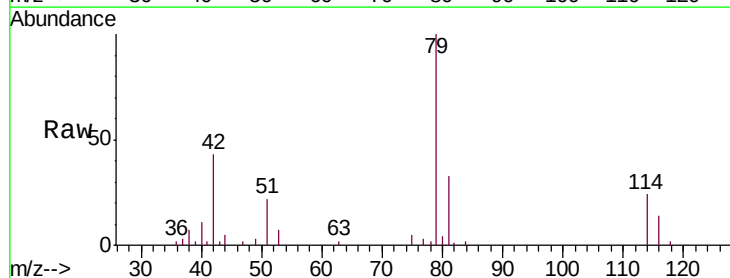
Instrument :
 MSVOA_V
 ClientSampleId :
 C0J82

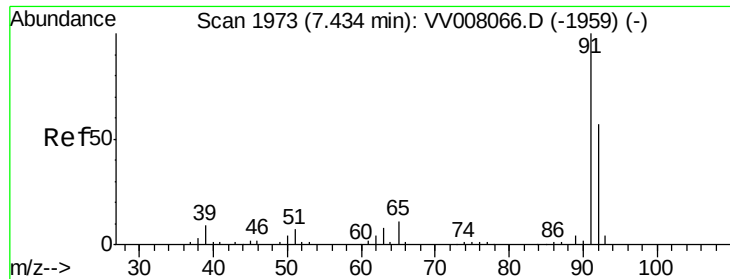
Tgt Ion: 63 Resp: 3344
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.088 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV008080.D
 Acq: 04 Oct 2018 23:47

Tgt Ion: 75 Resp: 671
 Ion Ratio Lower Upper
 75 100
 77 53.4 22.9 42.5#





#42

Toluene

Concen: 0.438 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

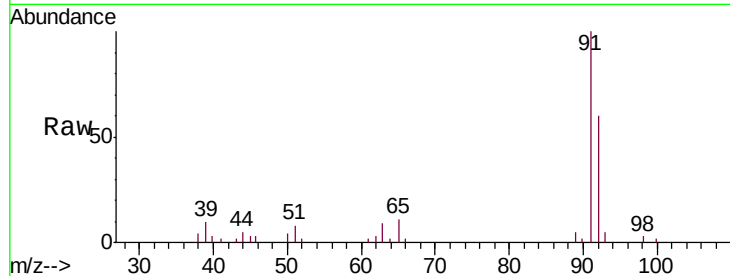
Instrument :
MSVOA_V
ClientSampleId :
C0J82

Tgt Ion: 91 Resp: 10610

Ion Ratio Lower Upper

91 100

92 60.2 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV008066.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008066.D (-1959) (-)

7.43

6000

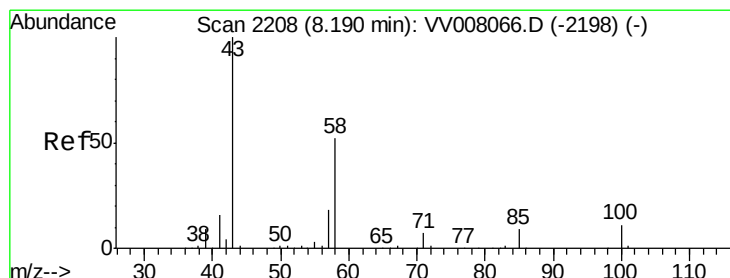
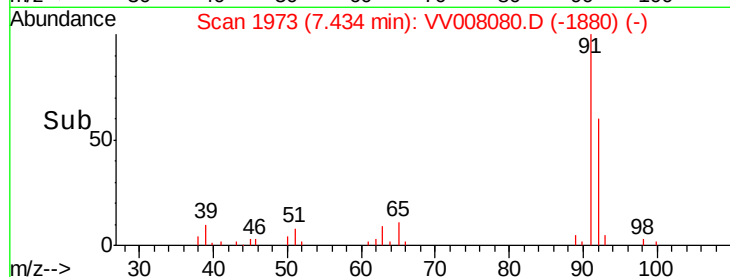
4000

2000

0

7.40 7.45 7.50

Time-->



#48

2-Hexanone

Concen: 2.579 ug/L

RT: 8.15 min Scan# 2195

Delta R.T. -0.04 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

Tgt Ion: 43 Resp: 6400

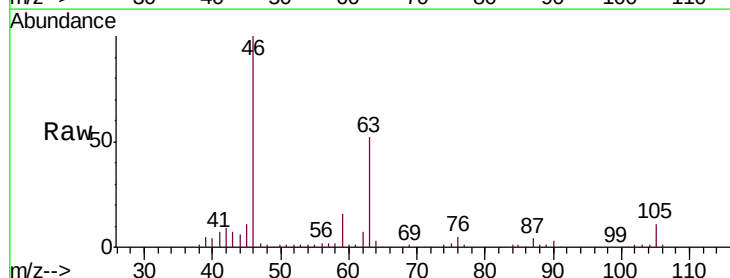
Ion Ratio Lower Upper

43 100

58 35.5 41.9 62.9#

57 37.3 14.3 21.5#

100 2.5 9.2 13.8#



Abundance Ion 43.05 (42.75 to 43.75): VV008066.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV008066.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV008066.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV008066.D (-2198) (-)

8.15

5000

4000

3000

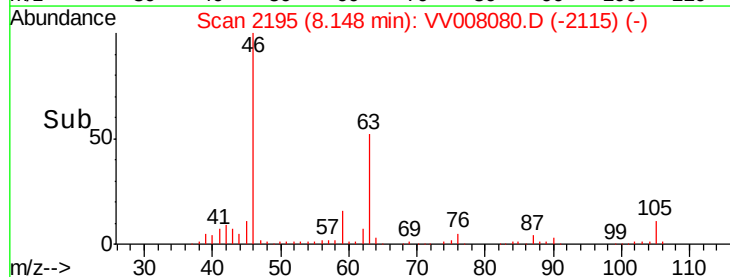
2000

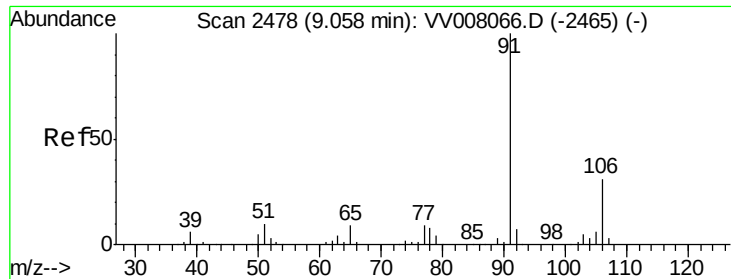
1000

0

8.10 8.15 8.20

Time-->





#52

Ethylbenzene

Concen: 0.114 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

Instrument :

MSVOA_V

ClientSampled :

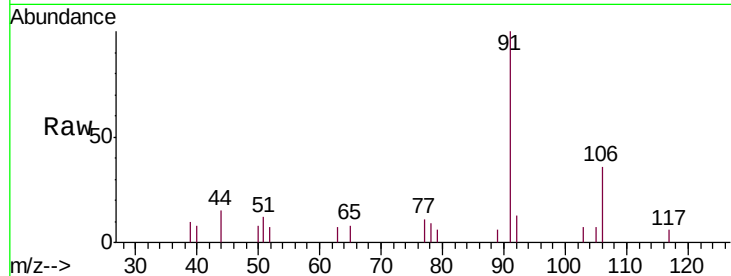
C0J82

Tgt Ion: 91 Resp: 3078

Ion Ratio Lower Upper

91 100

106 36.2 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV008080.D (-2385) (-)

Ion 106.15 (105.85 to 106.85): VV008080.D (-2385) (-)

9.06

2000

1500

1000

500

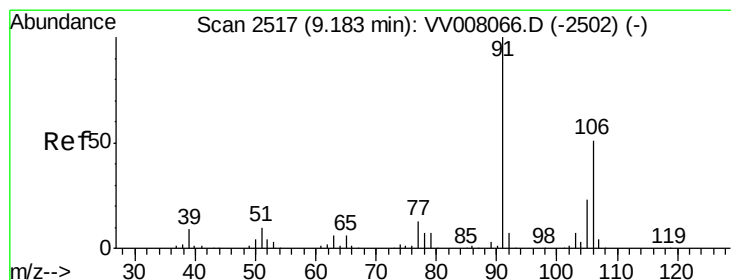
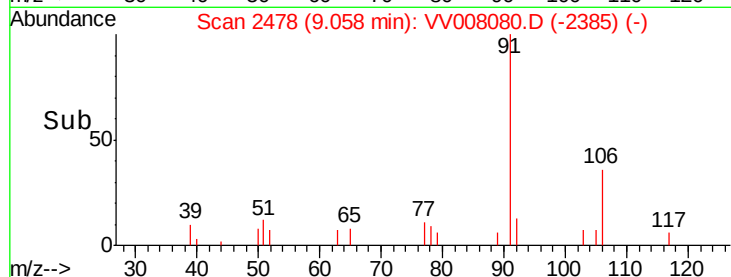
0

9.00

9.05

9.10

Time-->



#53

m,p-xylene

Concen: 0.579 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV008080.D

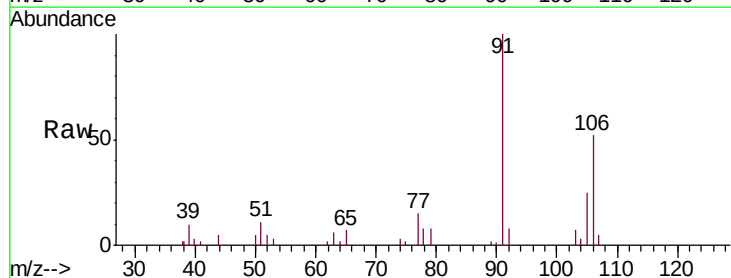
Acq: 04 Oct 2018 23:47

Tgt Ion: 106 Resp: 5955

Ion Ratio Lower Upper

106 100

91 191.6 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV008080.D (-2424) (-)

Ion 91.15 (90.85 to 91.85): VV008080.D (-2424) (-)

9.18

8000

6000

4000

2000

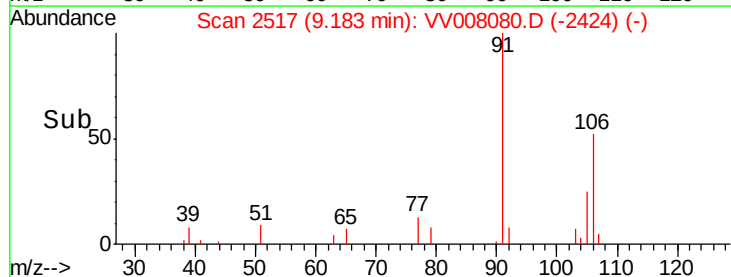
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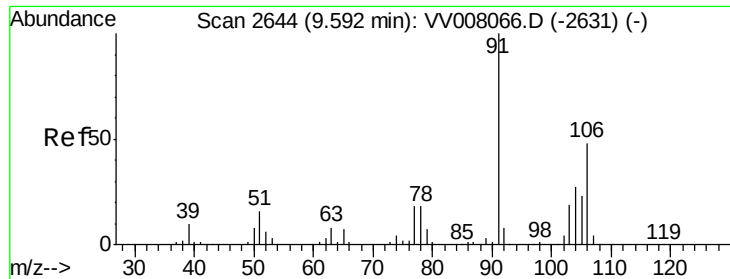
9.15

9.20

9.25

Time-->





#54

o-xylene

Concen: 0.332 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

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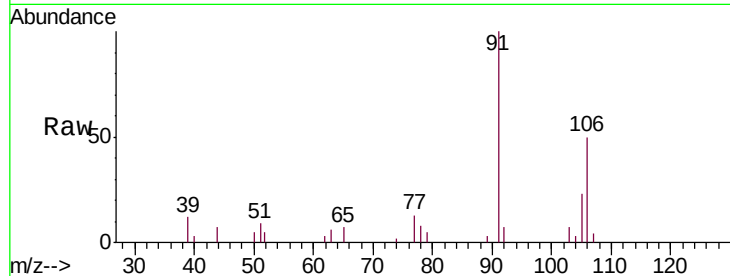
C0J82

Tgt Ion: 106 Resp: 3296

Ion Ratio Lower Upper

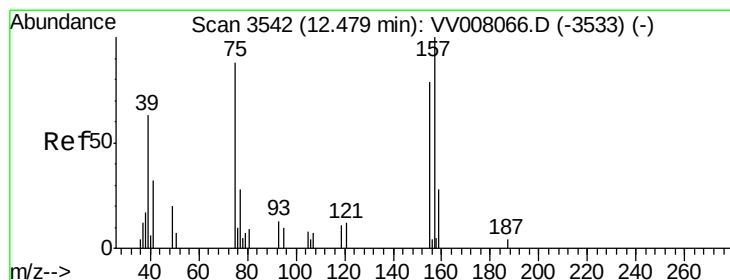
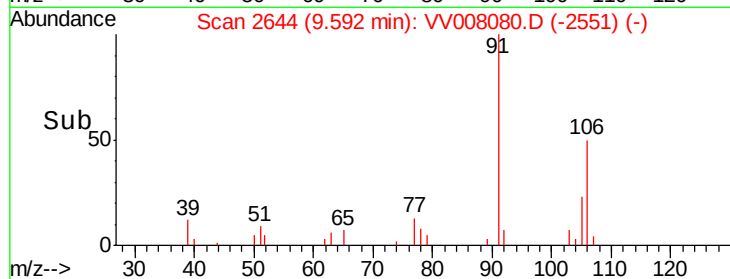
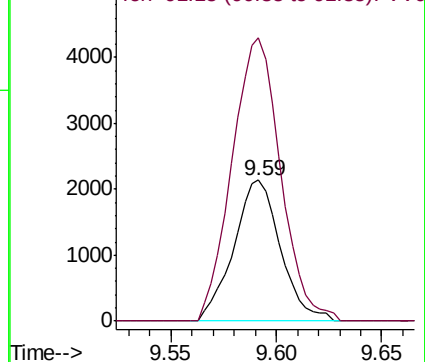
106 100

91 200.5 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#66

1,2-Dibromo-3-chloropropane

Concen: 0.129 ug/L

RT: 12.30 min Scan# 3485

Delta R.T. -0.18 min

Lab File: VV008080.D

Acq: 04 Oct 2018 23:47

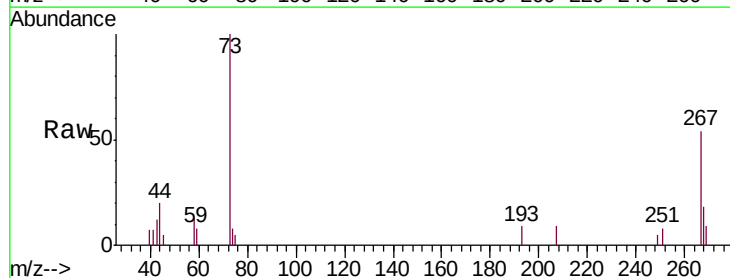
Tgt Ion: 75 Resp: 79

Ion Ratio Lower Upper

75 100

155 0.0 83.4 125.2#

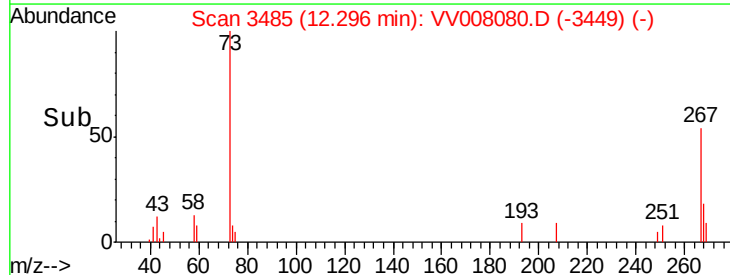
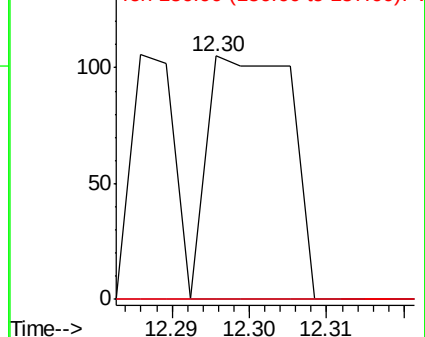
157 0.0 93.9 140.9#

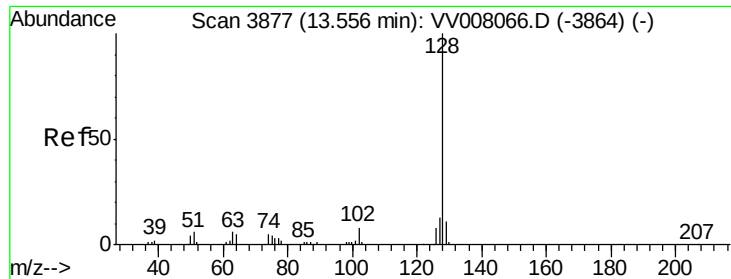


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 0.071 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV008080.D

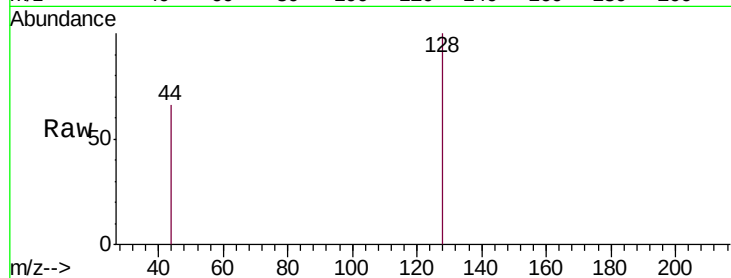
Acq: 04 Oct 2018 23:47

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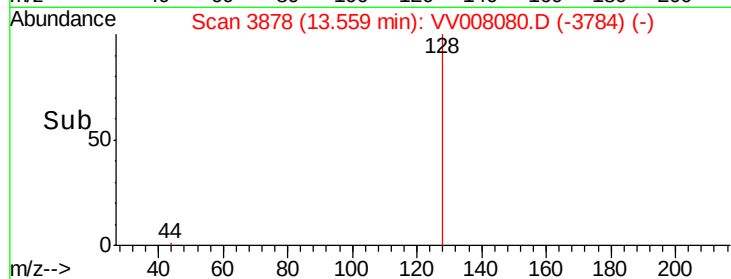
Tgt Ion:128 Resp: 920

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 0.0 10.3 15.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

