

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV092318\
 Data File : VV007788.D
 Acq On : 23 Sep 2018 15:08
 Operator : SY/MD
 Sample : J5014-03
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E8JB3

Quant Time: Sep 24 07:22:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 24 07:19:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	181351	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	179214	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	103245	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36235	36.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.52%
7) Chloroethane-d5	1.59	69	37504	41.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.74%
11) 1,1-Dichloroethene-d2	2.14	63	74603	32.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.20%
21) 2-Butanone-d5	3.95	46	59718	91.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.74%
24) Chloroform-d	4.41	84	89024	42.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.38%
26) 1,2-Dichloroethane-d4	5.09	65	62173	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
32) Benzene-d6	5.11	84	183531	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
36) 1,2-Dichloropropane-d6	6.13	67	53162	43.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.40%
41) Toluene-d8	7.36	98	186138	43.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.48%
43) trans-1,3-Dichloropropene-	7.67	79	23529	38.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.72%
47) 2-Hexanone-d5	8.14	63	45908	85.70	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.70%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	85576	45.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.14%
64) 1,2-Dichlorobenzene-d4	11.68	152	97932	46.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.22%

Target Compounds

					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	791	0.577 ug/L #	14
12) 1,1-Dichloroethene	2.14	96	760	0.632 ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	545	0.402 ug/L	95
34) Trichloroethene	5.96	95	2143	1.688 ug/L	86
37) 1,2-Dichloropropane	6.12	63	6649	6.152 ug/L #	86
39) cis-1,3-Dichloropropene	7.04	75	1714	0.986 ug/L #	71
42) Toluene	7.44	91	2185	0.429 ug/L	88
44) trans-1,3-Dichloropropene	7.67	75	1137	0.689 ug/L #	82
45) 1,1,2-Trichloroethane	7.84	97	870	0.716 ug/L #	15
48) 2-Hexanone	8.14	43	8140	7.393 ug/L #	65
52) Ethylbenzene	9.06	91	10369	1.803 ug/L	97
53) m,p-Xylene	9.18	106	14938	6.489 ug/L	98
54) o-xylene	9.59	106	13106	5.836 ug/L	98
56) Isopropylbenzene	9.98	105	7831	1.293 ug/L #	95
58) 1,1,2,2-Tetrachloroethane	10.29	83	6930	3.586 ug/L #	39
66) 1,2-Dibromo-3-chloropropan	12.46	75	1378	3.442 ug/L #	1
69) Naphthalene	13.56	128	25339	4.005 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Mon Sep 24 07:19:48 2018
Response via : Initial Calibration

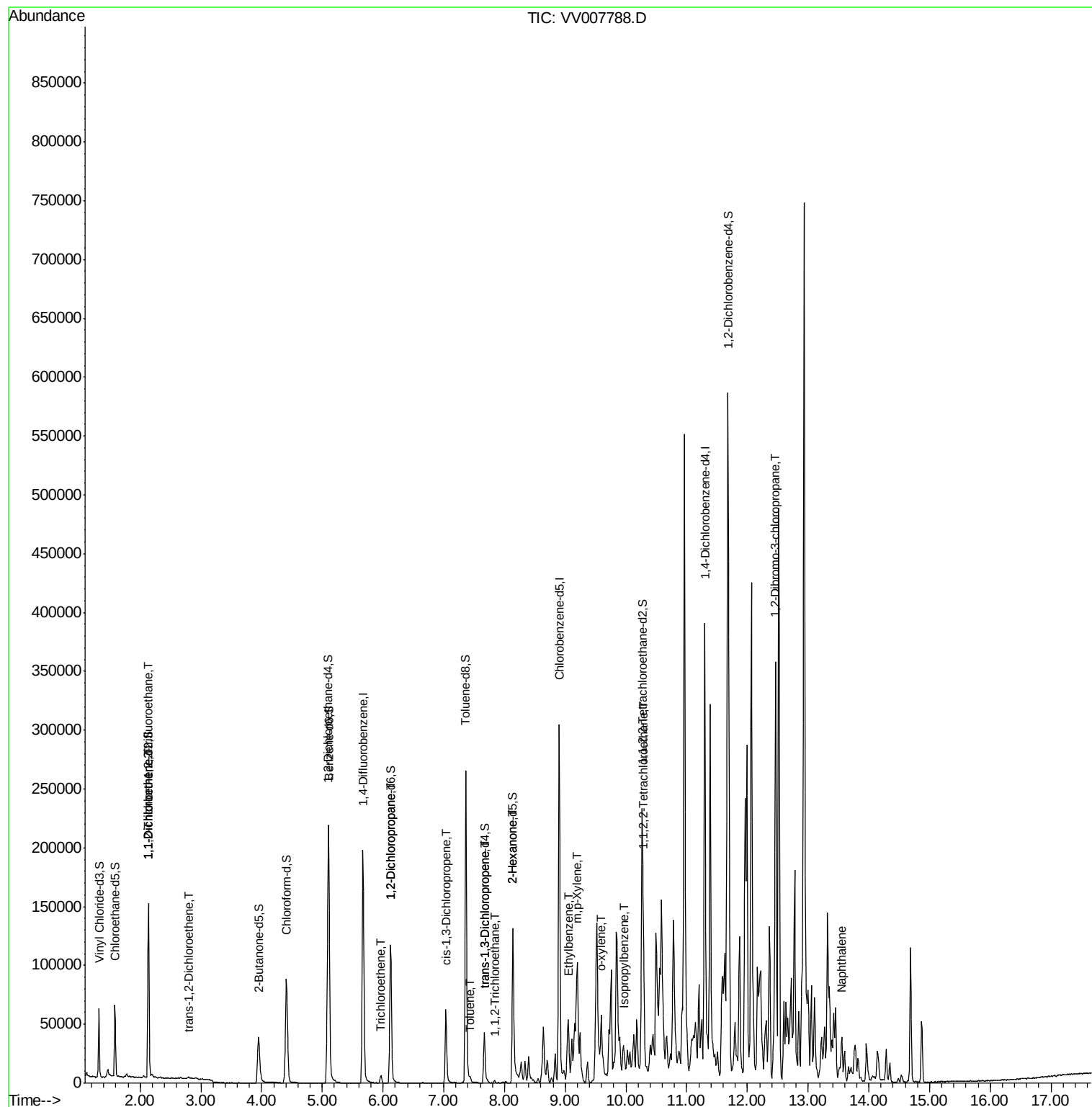
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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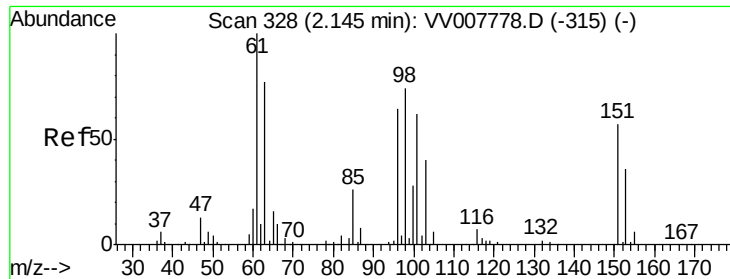
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.577 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007788.D

Acq: 23 Sep 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

E8JB3

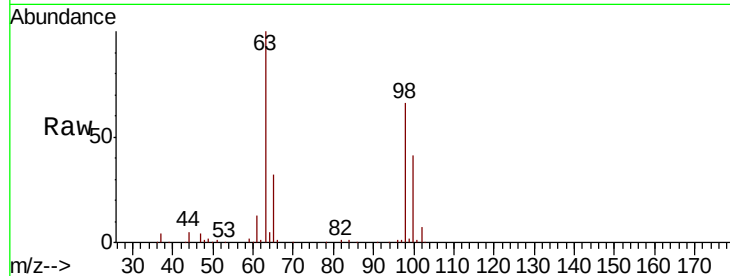
Tgt Ion:101 Resp: 791

Ion Ratio Lower Upper

101 100

85 0.0 32.7 49.1#

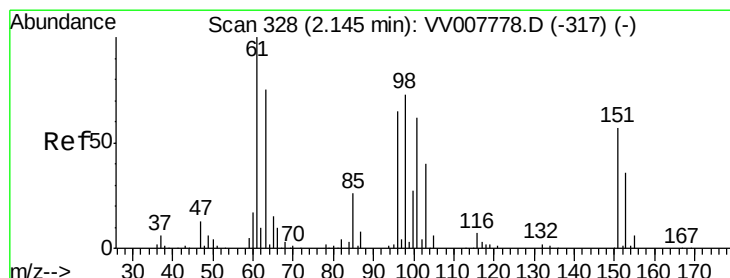
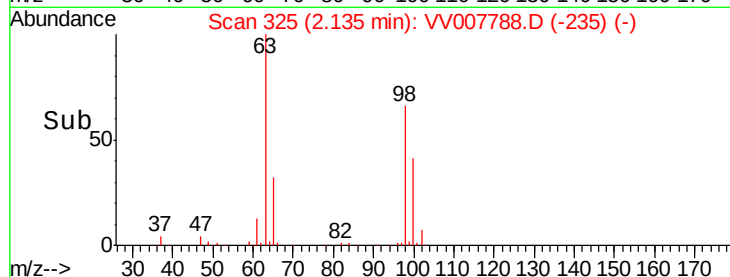
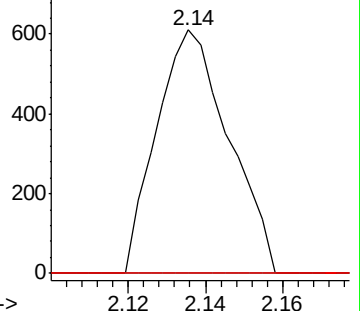
151 0.0 72.2 108.2#



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: 0.632 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VV007788.D

Acq: 23 Sep 2018 15:08

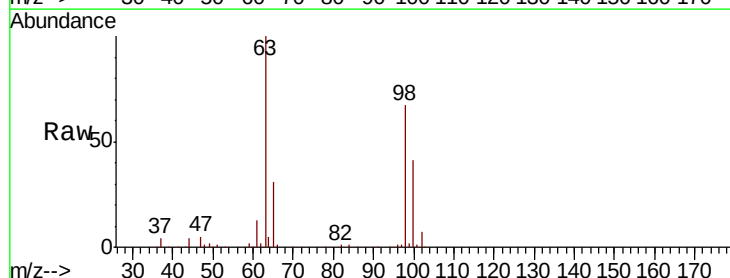
Tgt Ion: 96 Resp: 760

Ion Ratio Lower Upper

96 100

61 1225.0 107.3 199.3#

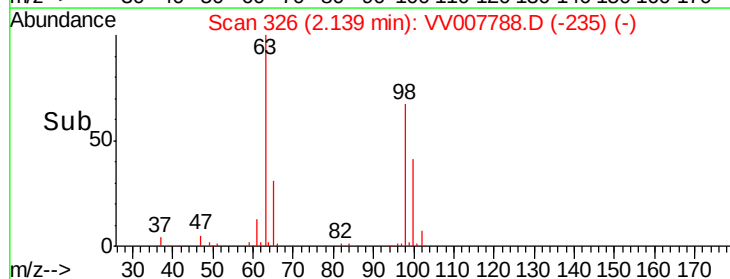
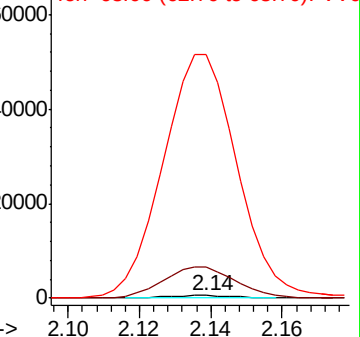
63 9768.5 78.8 146.4#

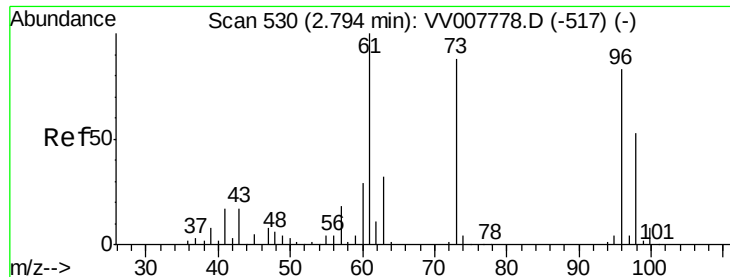


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 0.402 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV007788.D

Acq: 23 Sep 2018 15:08

Instrument :

MSVOA_V

ClientSampled :

E8JB3

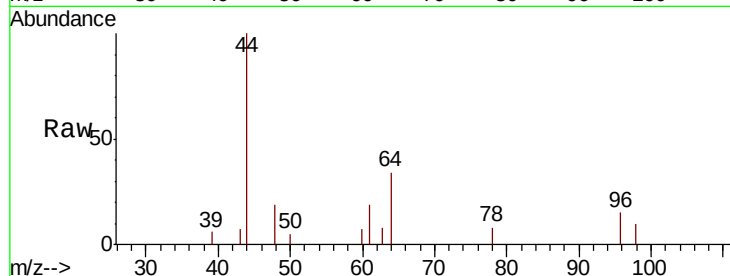
Tgt Ion: 96 Resp: 545

Ion Ratio Lower Upper

96 100

61 127.0 84.9 157.7

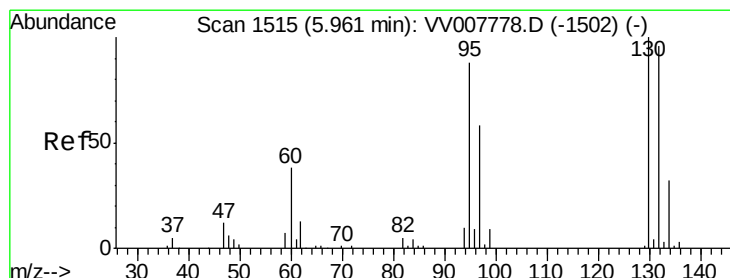
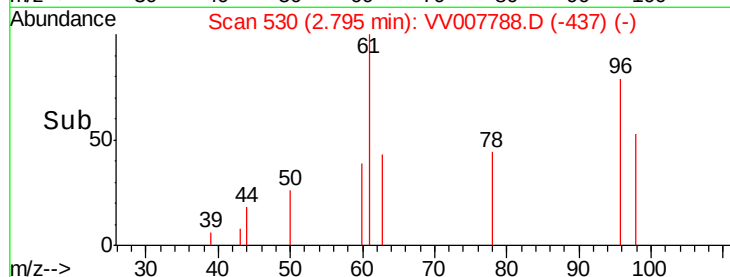
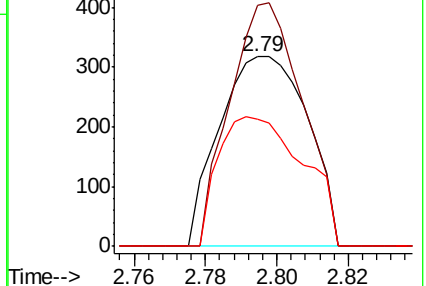
98 67.3 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV007788.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV007788.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV007788.D (-517) (-)



#34

Trichloroethene

Concen: 1.688 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007788.D

Acq: 23 Sep 2018 15:08

Tgt Ion: 95 Resp: 2143

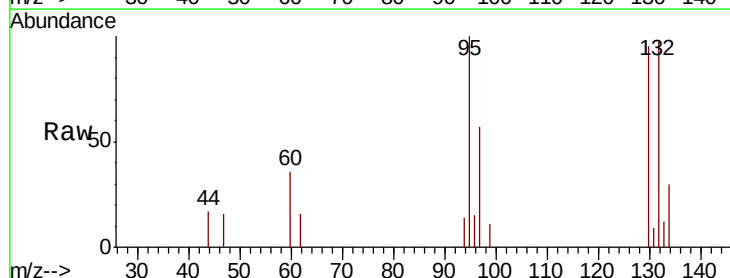
Ion Ratio Lower Upper

95 100

97 57.1 45.2 84.0

132 98.3 77.7 144.3

130 95.2 79.7 148.1

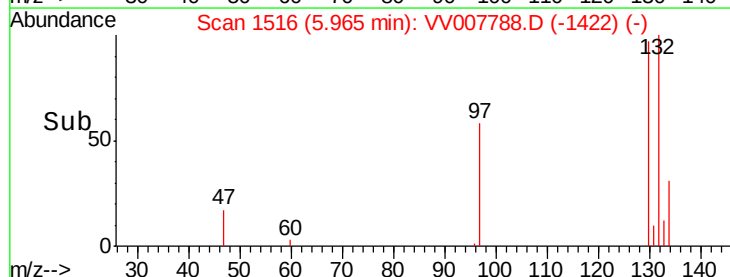
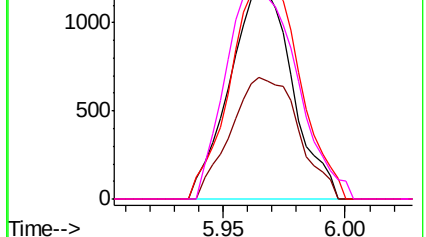


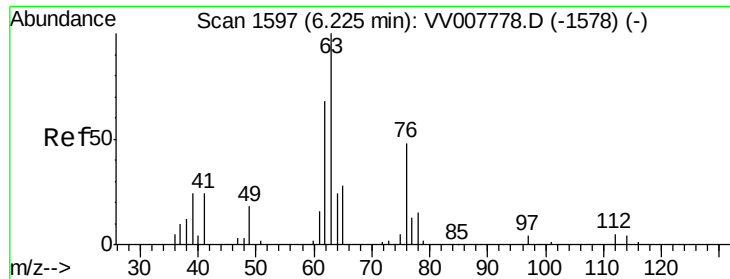
Abundance Ion 95.00 (94.70 to 95.70): VV007788.D (-1502) (-)

Ion 97.00 (96.70 to 97.70): VV007788.D (-1502) (-)

Ion 132.00 (131.70 to 132.70): VV007788.D (-1502) (-)

Ion 130.00 (129.70 to 130.70): VV007788.D (-1502) (-)

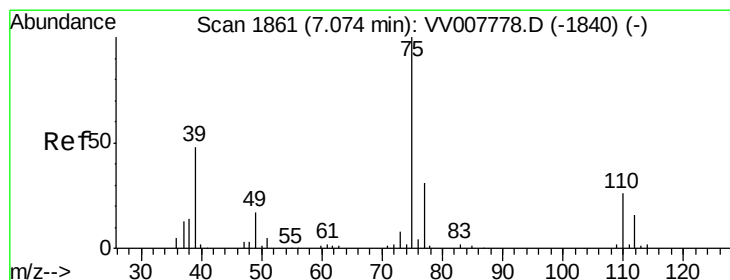
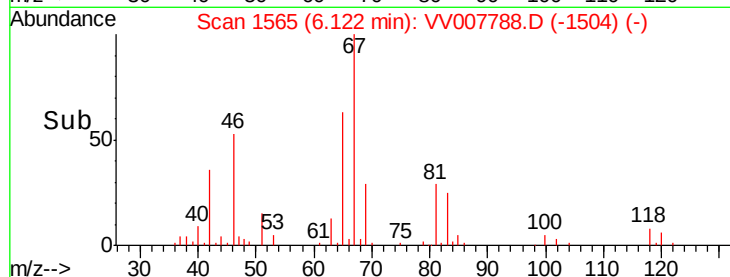
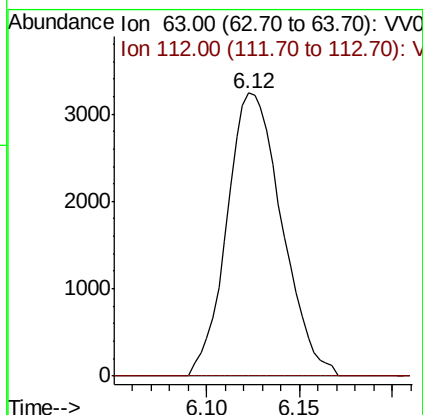
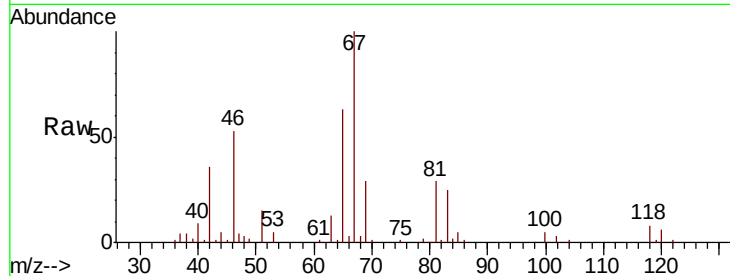




#37
 1,2-Dichloropropane
 Concen: 6.152 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV007788.D
 Acq: 23 Sep 2018 15:08

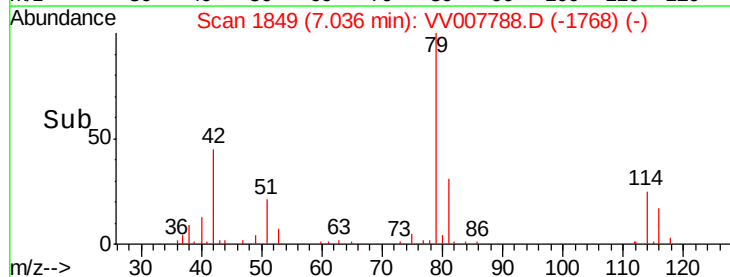
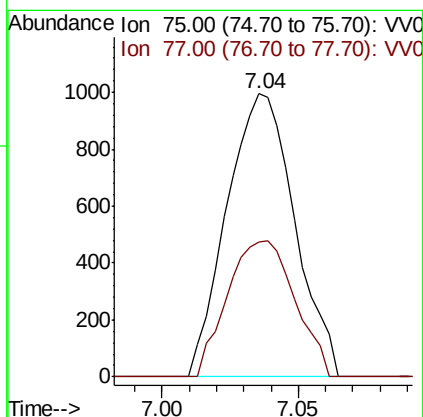
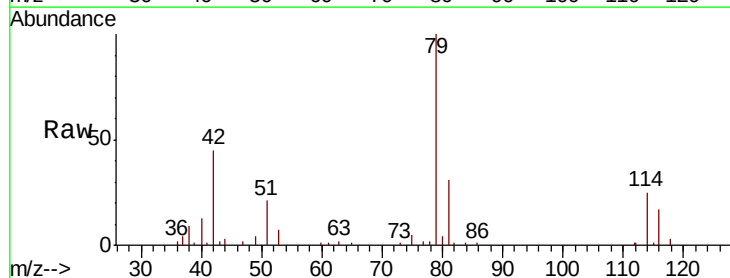
Instrument :
 MSVOA_V
 ClientSampled :
 E8JB3

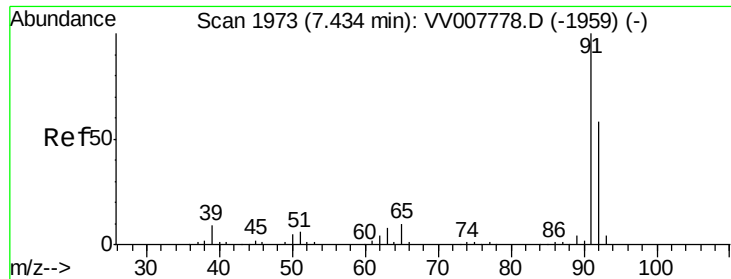
Tgt Ion: 63 Resp: 6649
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.6#



#39
 cis-1,3-Dichloropropene
 Concen: 0.986 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV007788.D
 Acq: 23 Sep 2018 15:08

Tgt Ion: 75 Resp: 1714
 Ion Ratio Lower Upper
 75 100
 77 47.5 22.0 40.8#





#42

Toluene

Concen: 0.429 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007788.D

Acq: 23 Sep 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

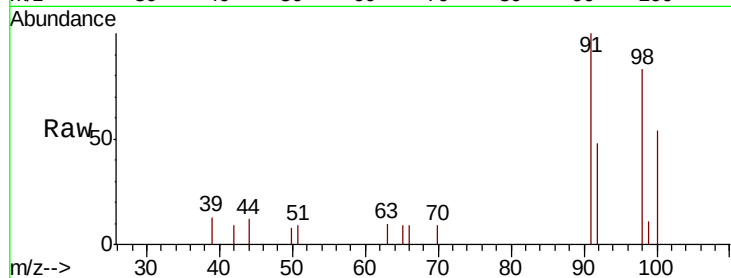
E8JB3

Tgt Ion: 91 Resp: 2185

Ion Ratio Lower Upper

91 100

92 48.0 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VV007778.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV007778.D (-1959) (-)

7.44

1500

1000

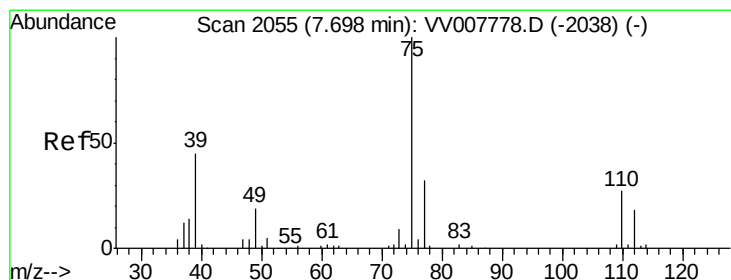
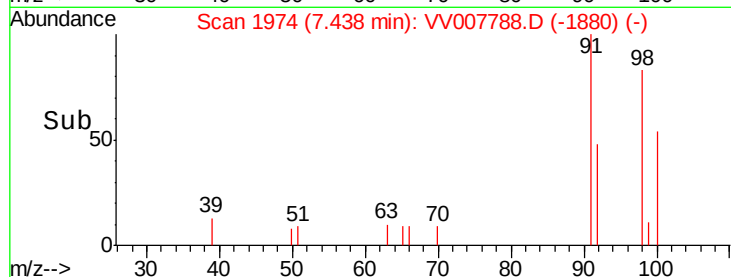
500

0

7.44

7.45

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.689 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV007788.D

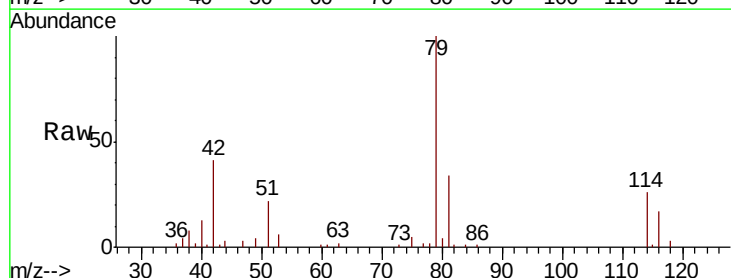
Acq: 23 Sep 2018 15:08

Tgt Ion: 75 Resp: 1137

Ion Ratio Lower Upper

75 100

77 41.5 22.0 40.8#



Abundance Ion 75.00 (74.70 to 75.70): VV007778.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV007778.D (-2038) (-)

7.67

800

600

400

200

0

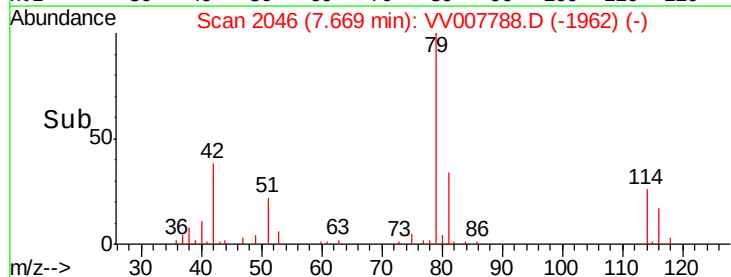
7.64

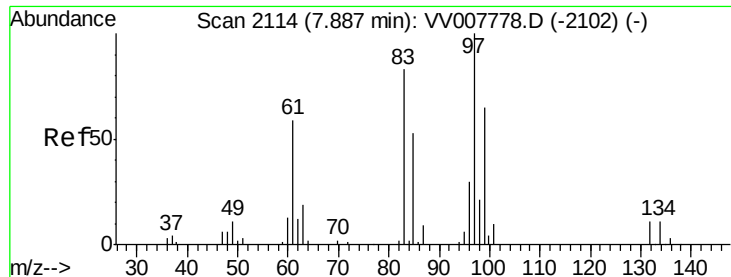
7.66

7.68

7.70

Time-->

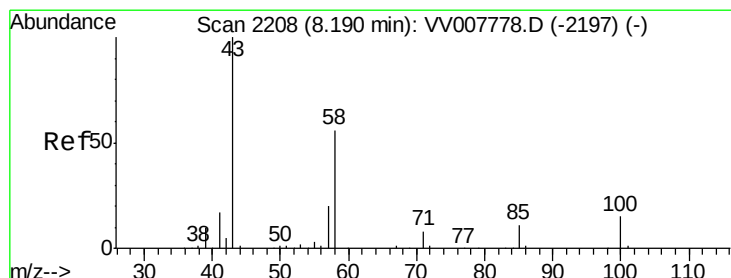
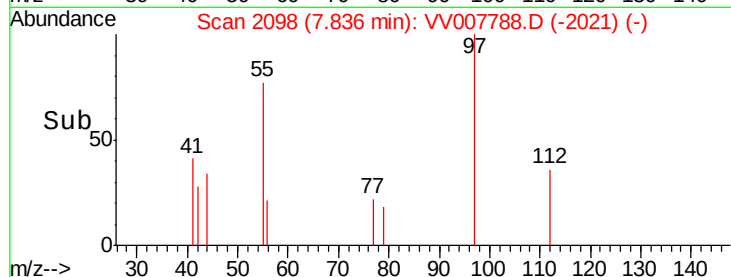
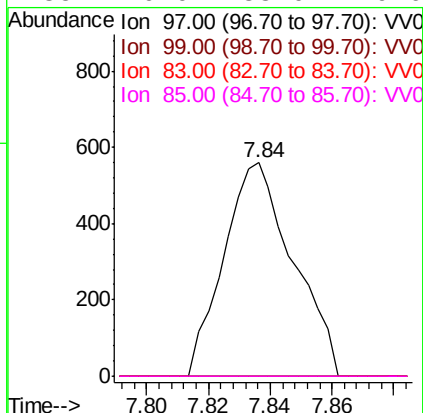
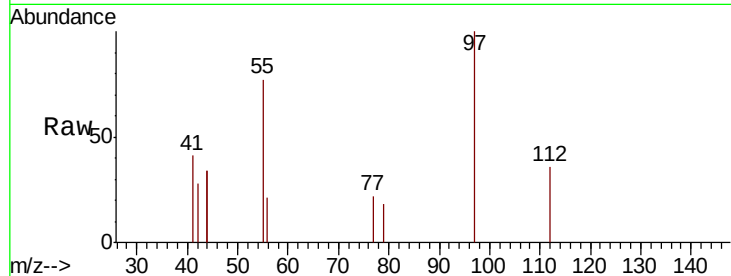




#45
 1,1,2-Trichloroethane
 Concen: 0.716 ug/L
 RT: 7.84 min Scan# 2098
 Delta R.T. -0.05 min
 Lab File: VV007788.D
 Acq: 23 Sep 2018 15:08

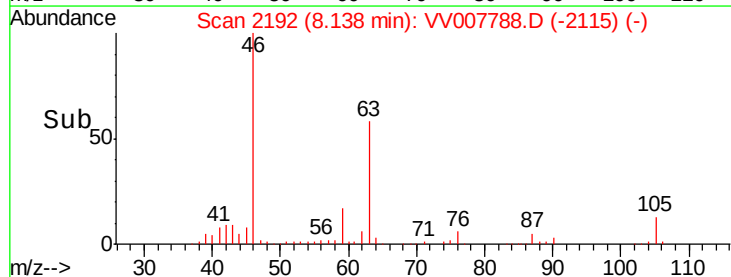
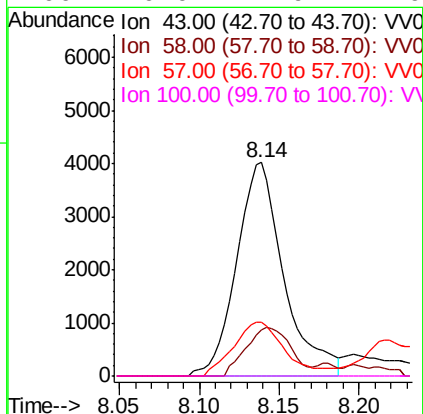
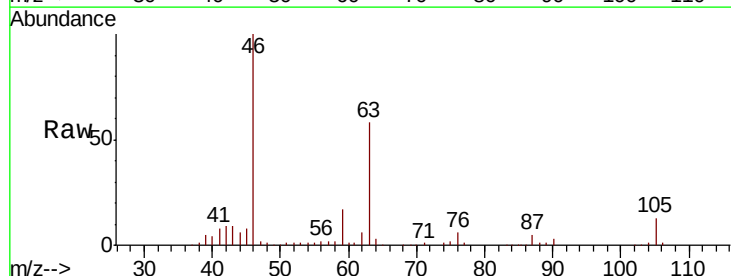
Instrument :
 MSVOA_V
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 E8JB3

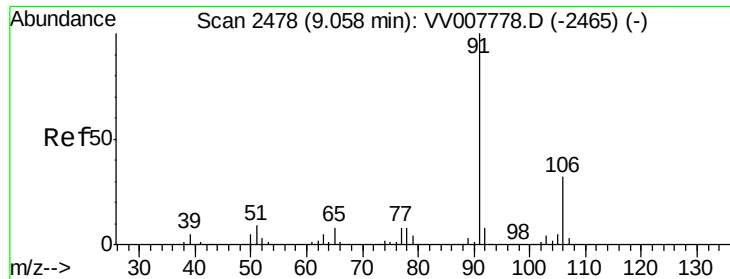
Tgt Ion: 97 Resp: 870
 Ion Ratio Lower Upper
 97 100
 99 0.0 45.8 85.2#
 83 0.0 58.2 108.0#
 85 0.0 38.0 70.6#



#48
 2-Hexanone
 Concen: 7.393 ug/L
 RT: 8.14 min Scan# 2192
 Delta R.T. -0.05 min
 Lab File: VV007788.D
 Acq: 23 Sep 2018 15:08

Tgt Ion: 43 Resp: 8140
 Ion Ratio Lower Upper
 43 100
 58 21.6 41.4 62.0#
 57 26.6 16.0 24.0#
 100 0.0 11.9 17.9#





#52

Ethylbenzene

Concen: 1.803 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007788.D

Acq: 23 Sep 2018 15:08

Instrument :

MSVOA_V

ClientSampled :

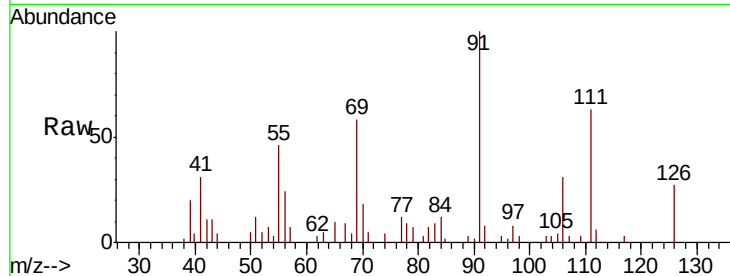
E8JB3

Tgt Ion: 91 Resp: 10369

Ion Ratio Lower Upper

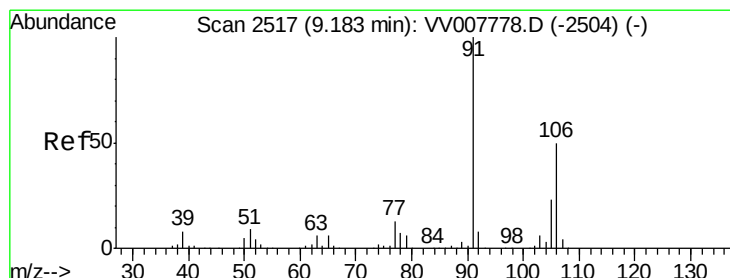
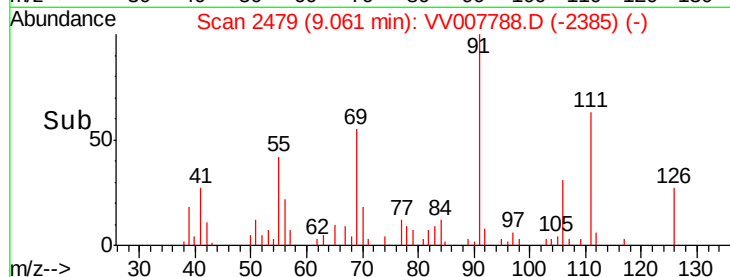
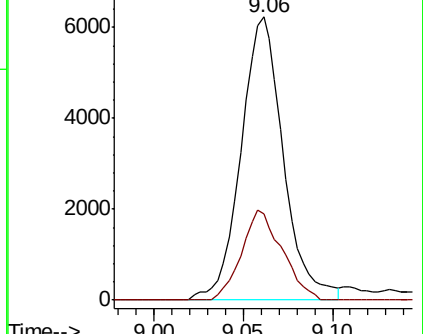
91 100

106 30.6 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VV007778.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV007778.D (-2465) (-)



#53

m,p-Xylene

Concen: 6.489 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV007788.D

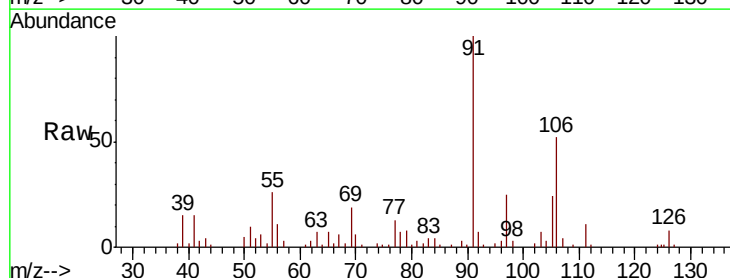
Acq: 23 Sep 2018 15:08

Tgt Ion: 106 Resp: 14938

Ion Ratio Lower Upper

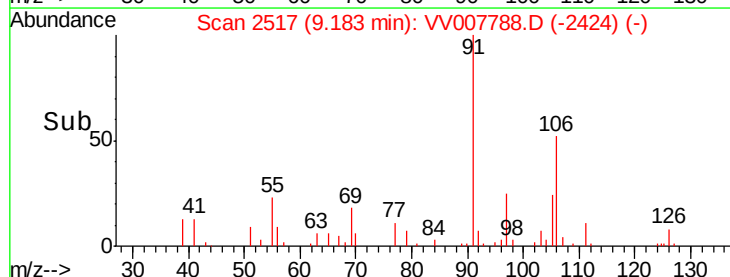
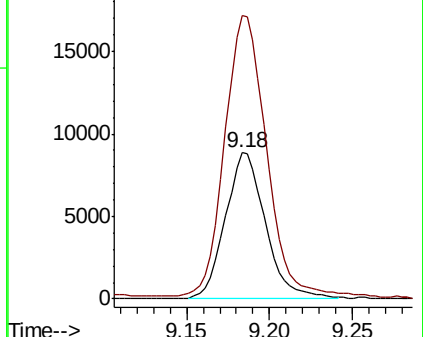
106 100

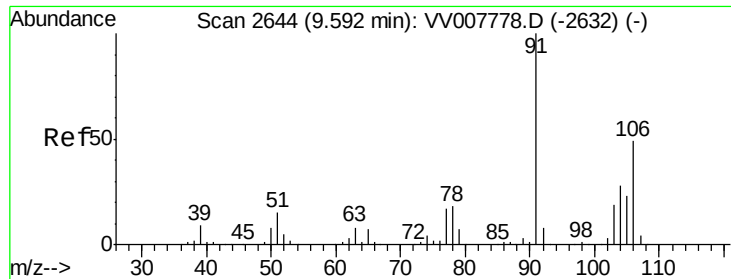
91 193.6 137.3 254.9



Abundance Ion 106.00 (105.70 to 106.70): VV007778.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV007778.D (-2504) (-)

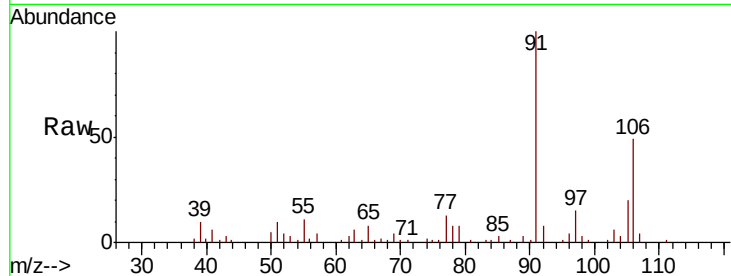




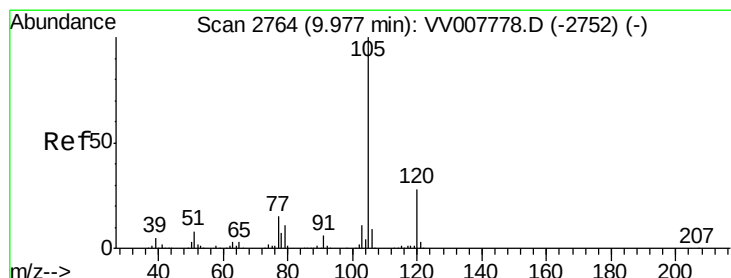
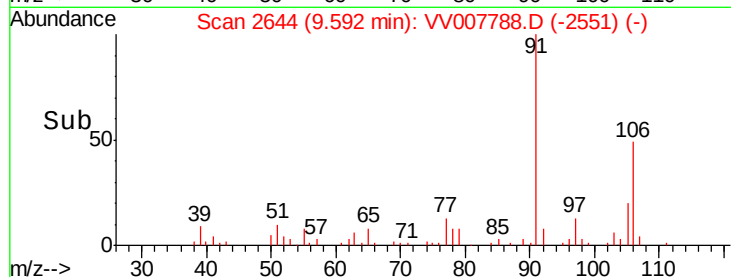
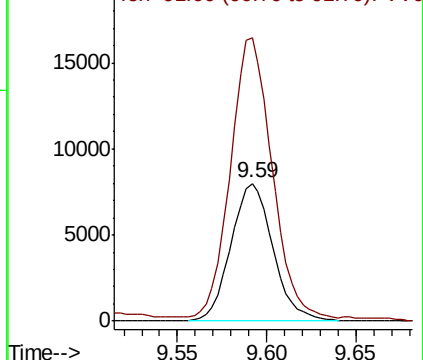
#54
o-xylene
Concen: 5.836 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007788.D
Acq: 23 Sep 2018 15:08

Instrument :
MSVOA_V
ClientSampleId :
E8JB3

Tgt Ion:106 Resp: 13106
Ion Ratio Lower Upper
106 100
91 205.5 145.5 270.3

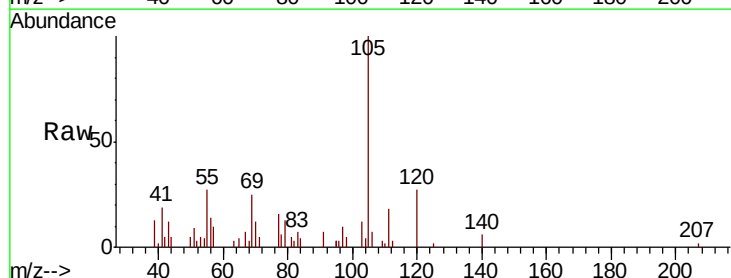


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

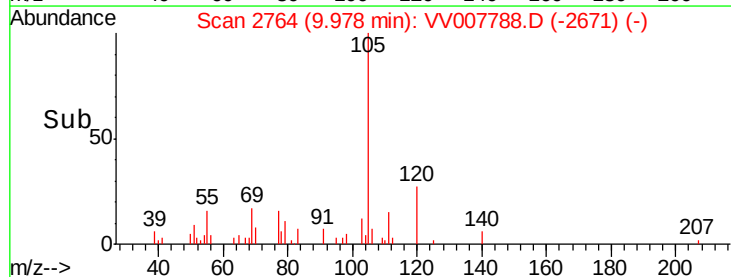
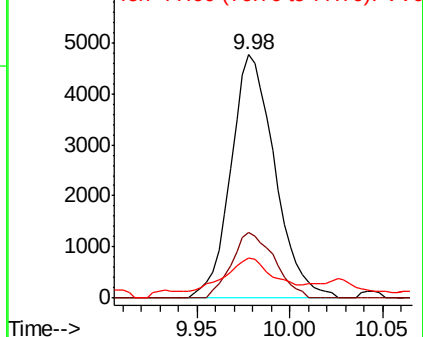


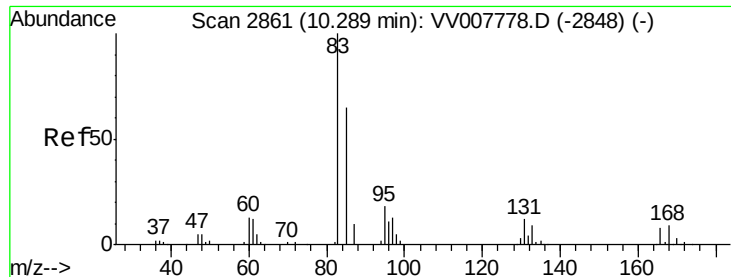
#56
Isopropylbenzene
Concen: 1.293 ug/L
RT: 9.98 min Scan# 2764
Delta R.T. 0.00 min
Lab File: VV007788.D
Acq: 23 Sep 2018 15:08

Tgt Ion:105 Resp: 7831
Ion Ratio Lower Upper
105 100
120 26.3 22.0 33.0
77 18.8 12.1 18.1#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.586 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV007778.D

Acq: 23 Sep 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

E8JB3

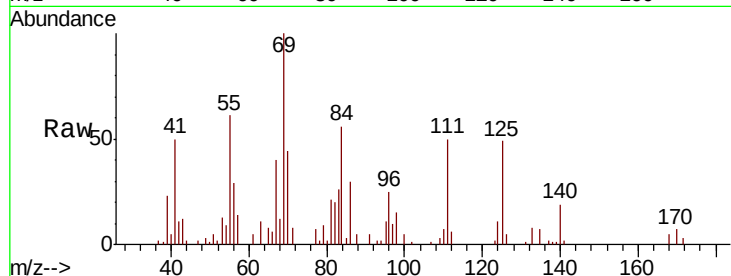
Tgt Ion: 83 Resp: 6930

Ion Ratio Lower Upper

83 100

85 10.8 45.4 84.4#

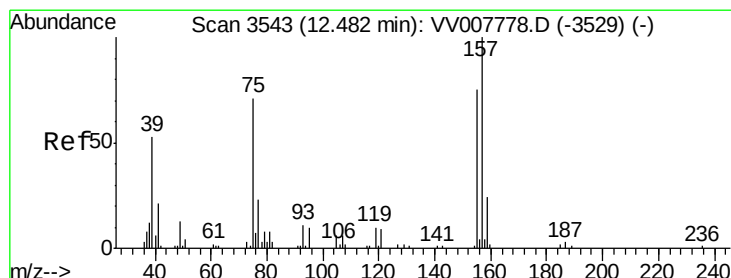
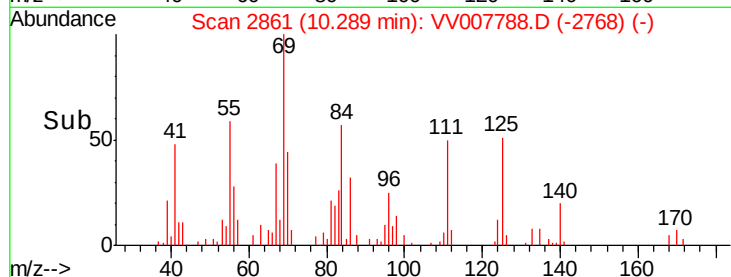
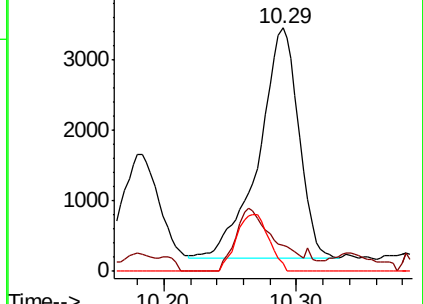
131 3.4 9.8 14.8#



Abundance Ion 83.00 (82.70 to 83.70): VV007778.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV007778.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV007778.D (-2848) (-)



#66

1,2-Dibromo-3-chloropropane

Concen: 3.442 ug/L

RT: 12.46 min Scan# 3537

Delta R.T. -0.02 min

Lab File: VV007778.D

Acq: 23 Sep 2018 15:08

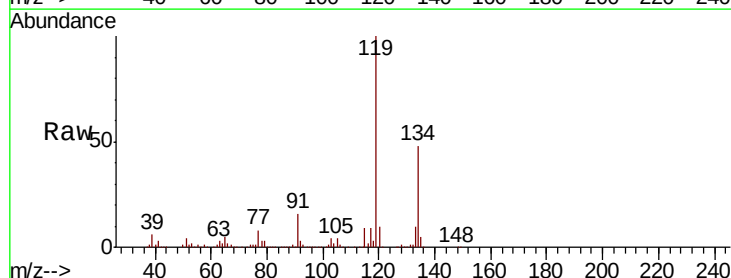
Tgt Ion: 75 Resp: 1378

Ion Ratio Lower Upper

75 100

155 0.0 86.0 129.0#

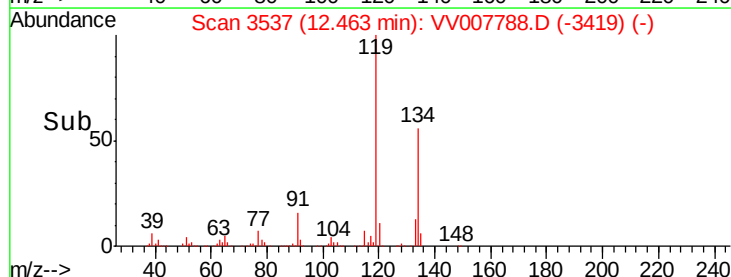
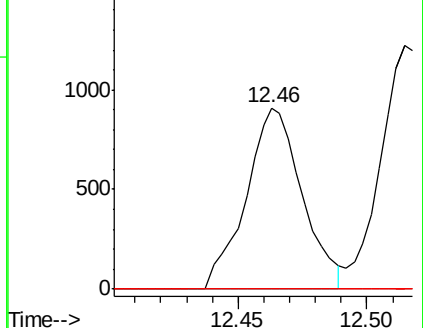
157 0.0 111.5 167.3#

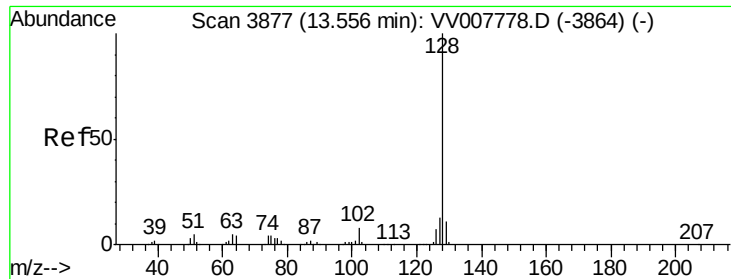


Abundance Ion 75.00 (74.70 to 75.70): VV007778.D (-3529) (-)

Ion 155.00 (154.70 to 155.70): VV007778.D (-3529) (-)

Ion 157.00 (156.70 to 157.70): VV007778.D (-3529) (-)





#69

Naphthalene

Concen: 4.005 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007788.D

Acq: 23 Sep 2018 15:08

Instrument :

MSVOA_V

ClientSampleId :

E8JB3

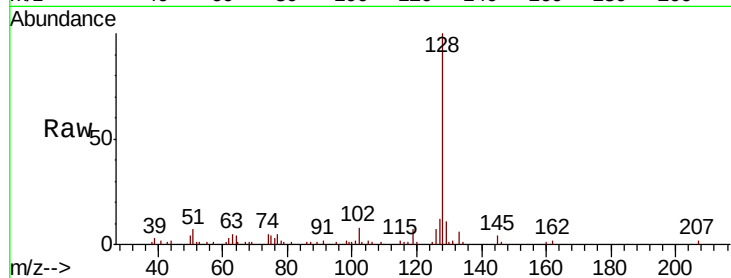
Tgt Ion:128 Resp: 25339

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 9.9 8.6 13.0



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

