

Data File : VV011286.D
Acq On : 07 Jun 2019 14:12
Operator : SY/MD
Sample : K3230-05RE
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB-190604

Quant Time: Jun 08 00:43:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 08 00:40:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	152966	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	139976	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59784	5.00	ug/L	0.00

System Monitoring Compounds

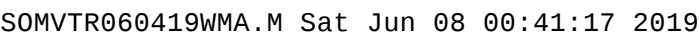
4) Vinyl Chloride-d3	1.32	65	49079	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.55	69	42171	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.12	63	77614	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.94	46	132241	50.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.36%
24) Chloroform-d	4.39	84	94194	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	53479	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.09	84	189763	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.11	67	58684	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.35	98	170693	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.66	79	19095	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.13	63	105186	50.64	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.28%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40822	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	56347	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

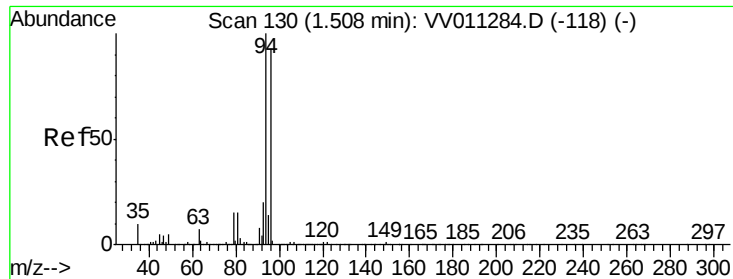
Target Compounds

					Qvalue
6) Bromomethane	1.51	94	1260	0.172 ug/L	97
8) Chloroethane	1.32	64	5534	0.615 ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	867	0.087 ug/L #	24
13) Acetone	2.19	43	15962	9.123 ug/L	99
15) Methyl Acetate	2.45	43	1730	0.372 ug/L #	78
16) Methylene chloride	2.52	84	4377	0.441 ug/L	96
35) Methylcyclohexane	6.11	83	14442	0.759 ug/L #	16
37) 1,2-Dichloropropane	6.11	63	7382	0.666 ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	1714	0.106 ug/L #	55
42) Toluene	7.43	91	29971	0.631 ug/L	96
52) Ethylbenzene	9.05	91	6180	0.117 ug/L	93
53) m,p-xylene	9.18	106	3183	0.163 ug/L	79
54) o-xylene	9.59	106	2521	0.132 ug/L	72
55) Styrene	9.60	104	17063	0.548 ug/L	99

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

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.172 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

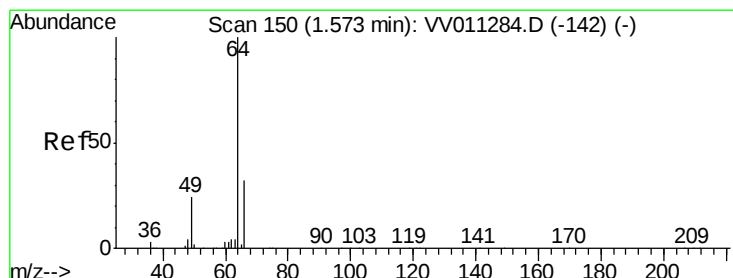
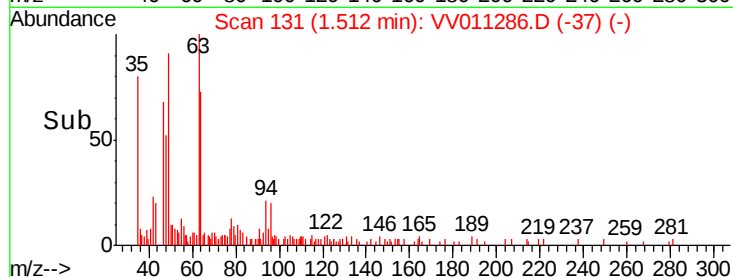
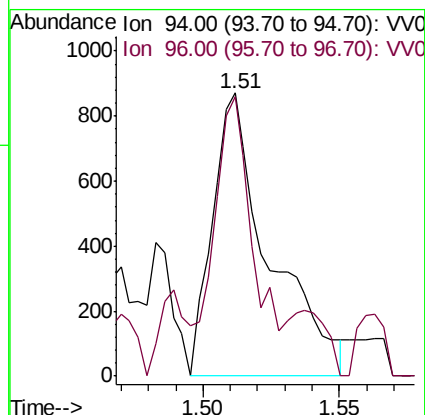
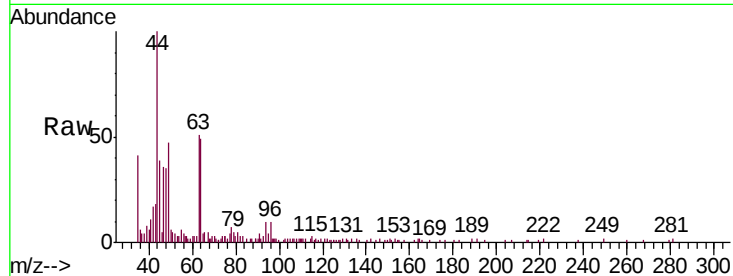
TB-190604

Tgt Ion: 94 Resp: 1260

Ion Ratio Lower Upper

94 100

96 99.0 67.0 124.4



#8

Chloroethane

Concen: 0.615 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.25 min

Lab File: VV011286.D

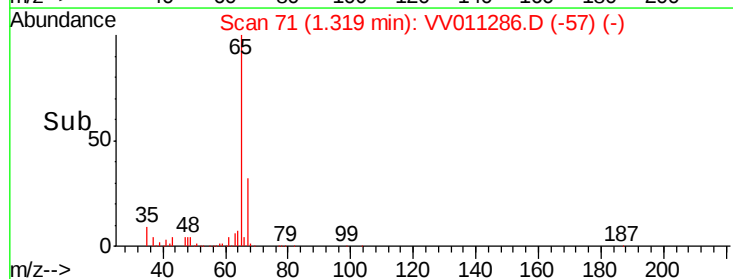
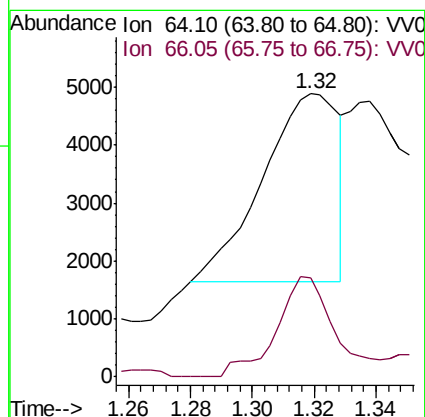
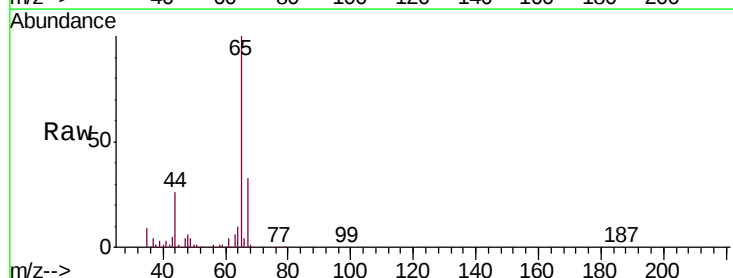
Acq: 07 Jun 2019 14:12

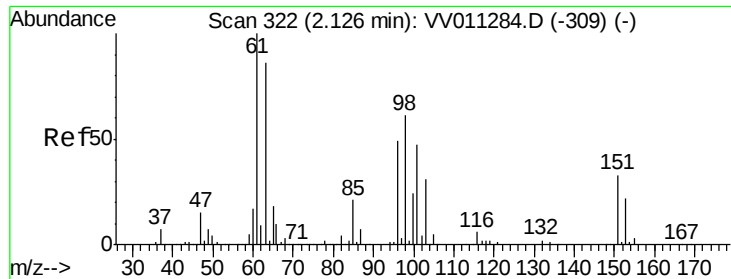
Tgt Ion: 64 Resp: 5534

Ion Ratio Lower Upper

64 100

66 35.2 19.4 36.0





#10

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

Concen: 0.087 ug/L

RT: 2.12 min Scan# 319

Delta R.T. -0.01 min

Lab File: VV011286.D

Acq: 07 Jun 2019 14:12

Instrument :

MSVOA_V

ClientSampleId :

TB-190604

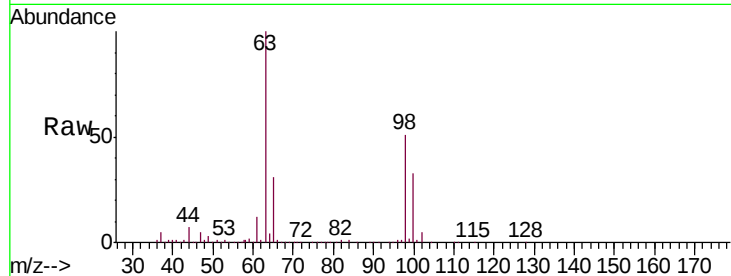
Tgt Ion:101 Resp: 867

Ion Ratio Lower Upper

101 100

85 5.0 35.5 53.3#

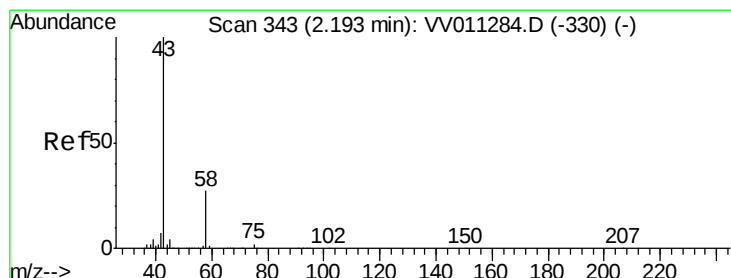
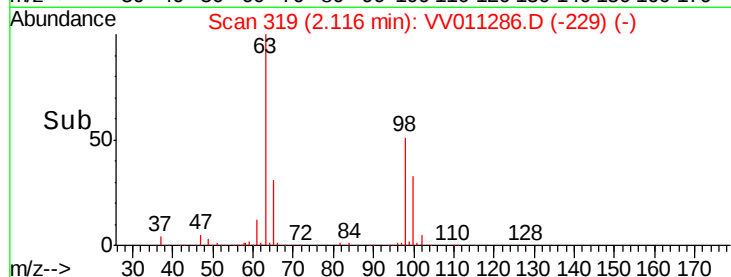
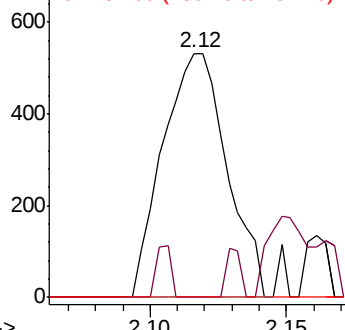
151 0.0 56.9 85.3#



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



#13

Acetone

Concen: 9.123 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV011286.D

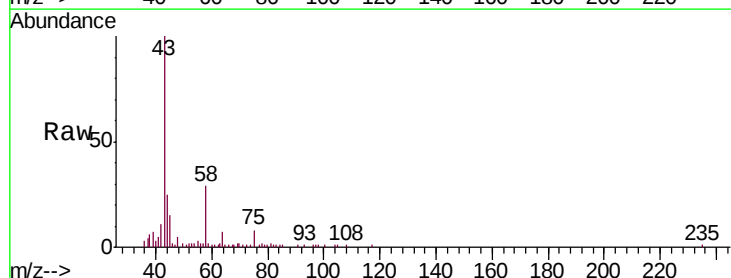
Acq: 07 Jun 2019 14:12

Tgt Ion: 43 Resp: 15962

Ion Ratio Lower Upper

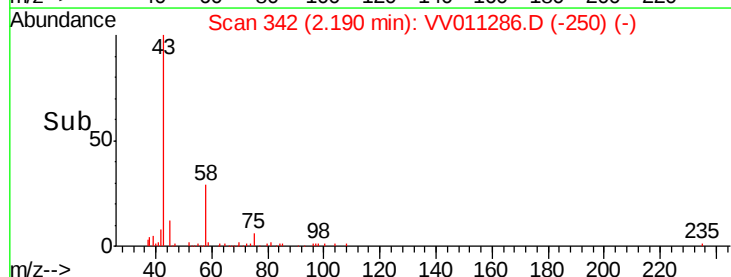
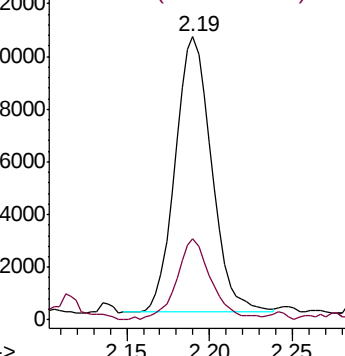
43 100

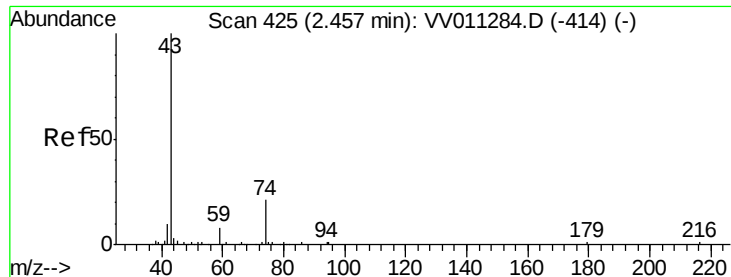
58 28.3 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#15

Methyl Acetate

Concen: 0.372 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV011286.D

Acq: 07 Jun 2019 14:12

Instrument :

MSVOA_V

ClientSampled :

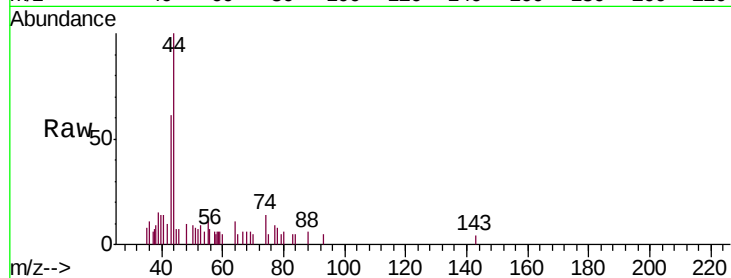
TB-190604

Tgt Ion: 43 Resp: 1730

Ion Ratio Lower Upper

43 100

74 33.9 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VV011284.D (-414) (-)

Ion 74.05 (73.75 to 74.75): VV011284.D (-414) (-)

2.45

1500

1000

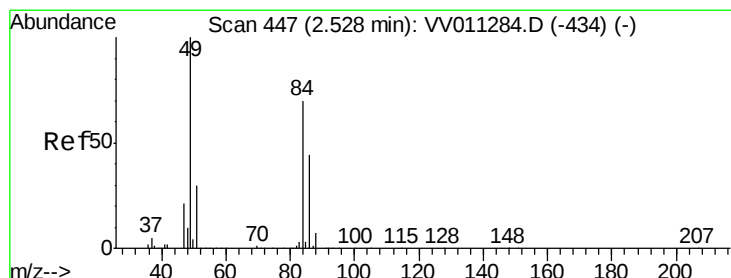
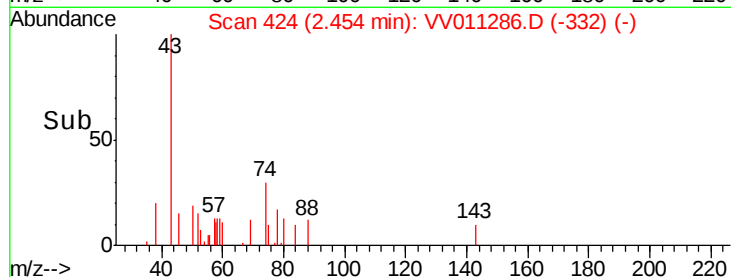
500

0

2.45

2.50

Time-->



#16

Methylene chloride

Concen: 0.441 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV011286.D

Acq: 07 Jun 2019 14:12

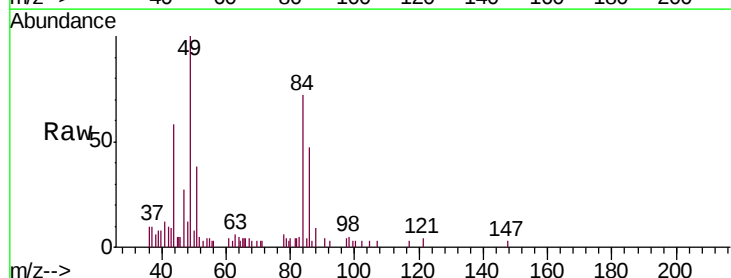
Tgt Ion: 84 Resp: 4377

Ion Ratio Lower Upper

84 100

86 64.5 44.9 83.3

49 138.8 102.1 189.5



Abundance Ion 84.05 (83.75 to 84.75): VV011284.D (-434) (-)

Ion 86.00 (85.70 to 86.70): VV011284.D (-434) (-)

Ion 49.10 (48.80 to 49.80): VV011284.D (-434) (-)

5000

4000

3000

2000

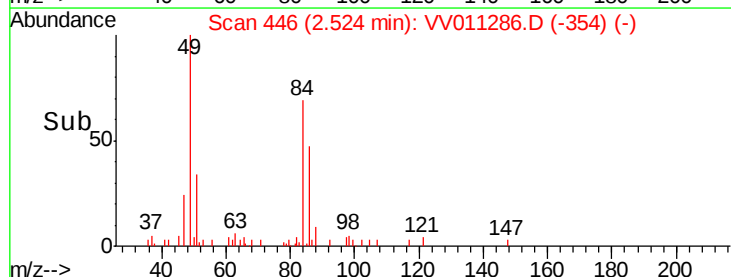
1000

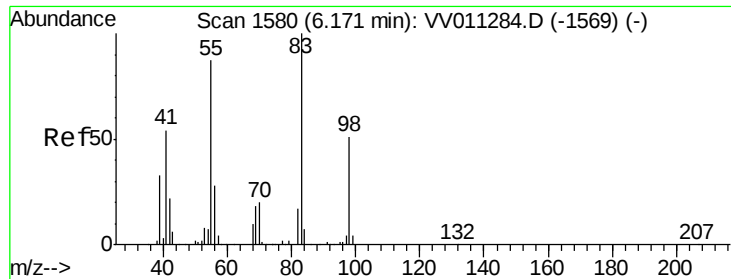
0

2.50

2.55

Time-->





#35

Methylcyclohexane

Concen: 0.759 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV011286.D

Acq: 07 Jun 2019 14:12

Instrument :

MSVOA_V

ClientSampleId :

TB-190604

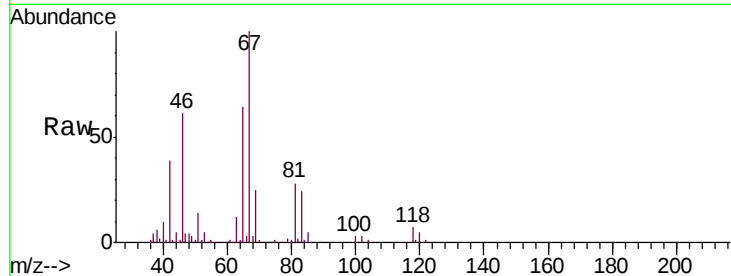
Tgt Ion: 83 Resp: 14442

Ion Ratio Lower Upper

83 100

55 0.9 67.0 100.6#

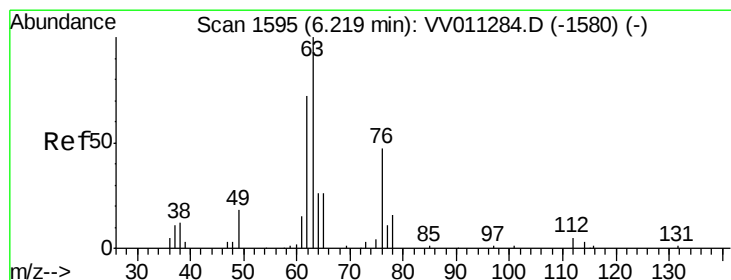
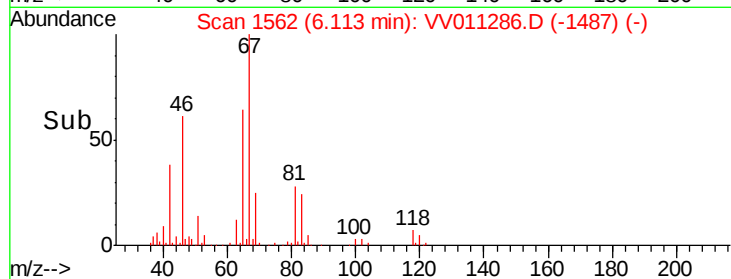
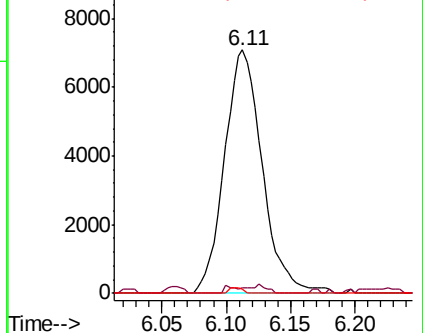
98 0.8 40.0 60.0#



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: 0.666 ug/L

RT: 6.11 min Scan# 1561

Delta R.T. -0.11 min

Lab File: VV011286.D

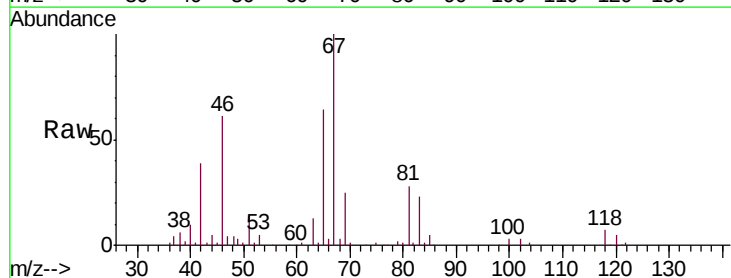
Acq: 07 Jun 2019 14:12

Tgt Ion: 63 Resp: 7382

Ion Ratio Lower Upper

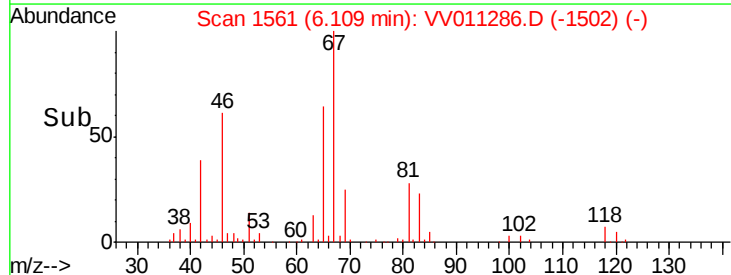
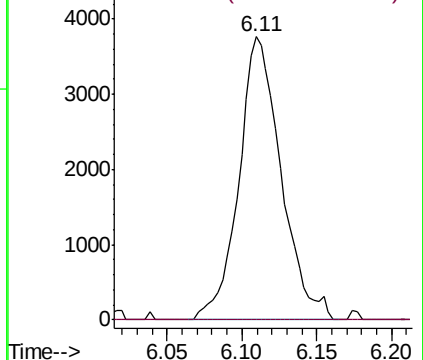
63 100

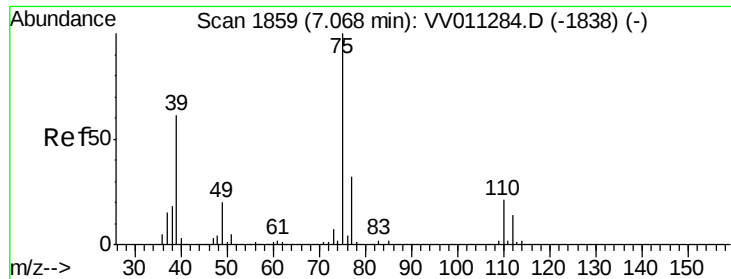
112 0.0 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

Lab File: VV011286.D

Acq: 07 Jun 2019 14:12

Instrument :

MSVOA_V

ClientSampleId :

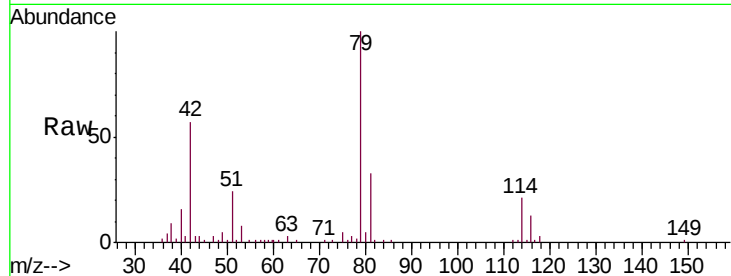
TB-190604

Tgt Ion: 75 Resp: 1714

Ion Ratio Lower Upper

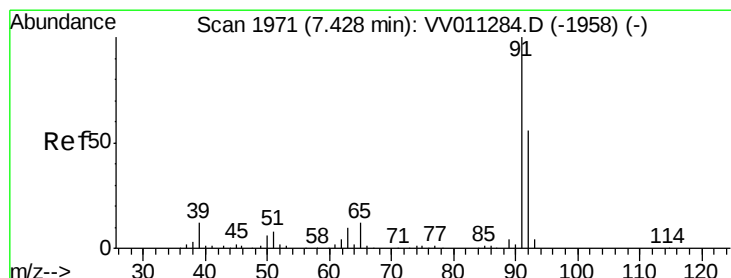
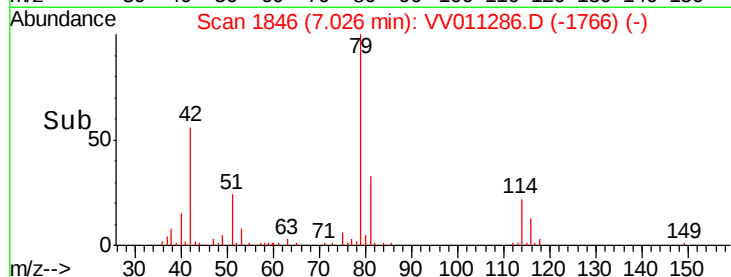
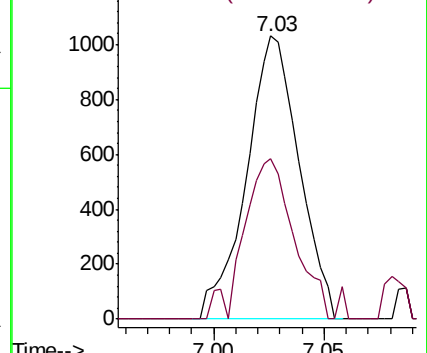
75 100

77 56.6 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#42

Toluene

Concen: 0.631 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011286.D

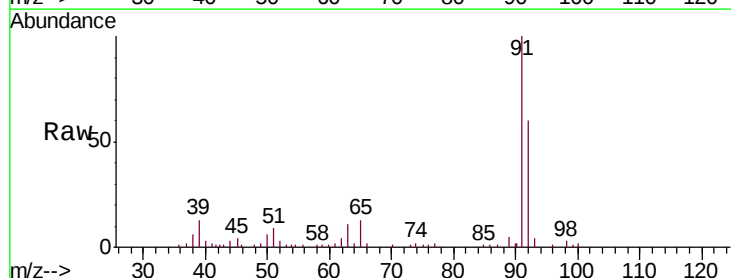
Acq: 07 Jun 2019 14:12

Tgt Ion: 91 Resp: 29971

Ion Ratio Lower Upper

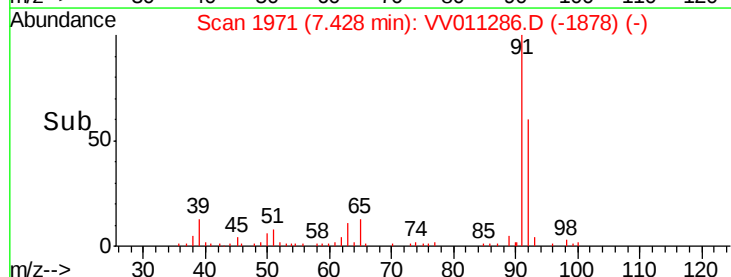
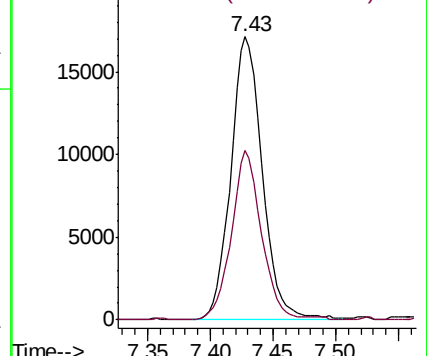
91 100

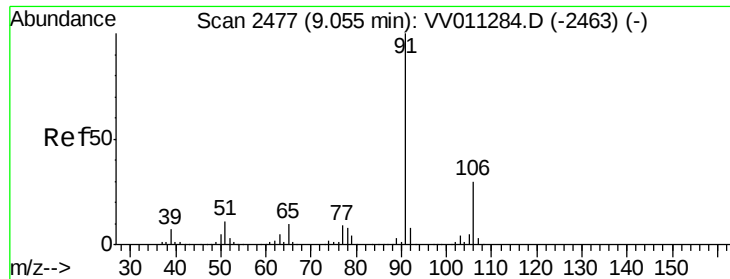
92 59.9 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#52

Ethylbenzene

Concen: 0.117 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011286.D

Acq: 07 Jun 2019 14:12

Instrument :

MSVOA_V

ClientSampleId :

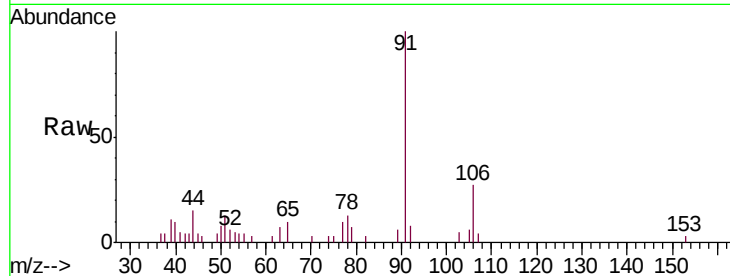
TB-190604

Tgt Ion: 91 Resp: 6180

Ion Ratio Lower Upper

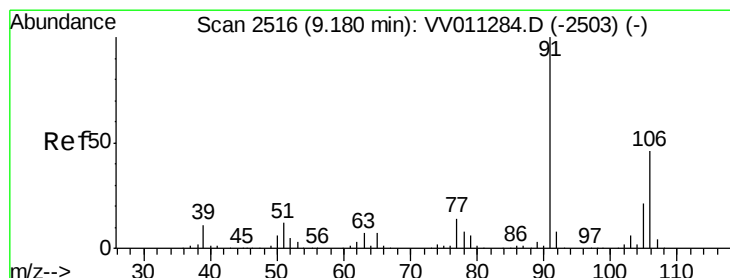
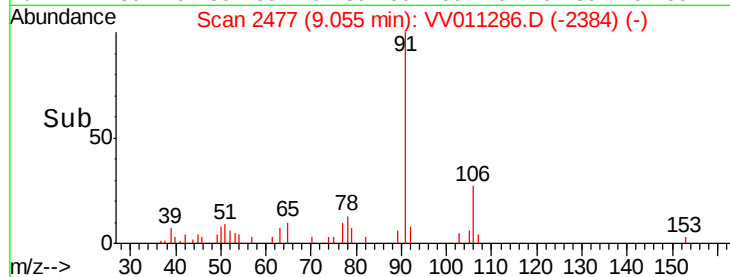
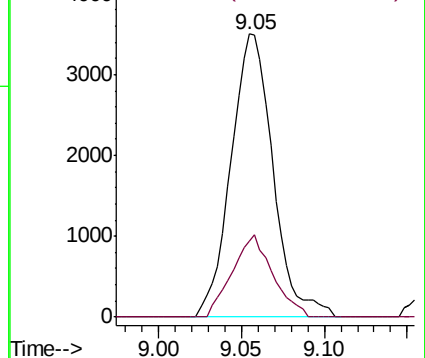
91 100

106 26.8 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011286.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV011286.D (-2384) (-)



#53

m,p-xylene

Concen: 0.163 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011286.D

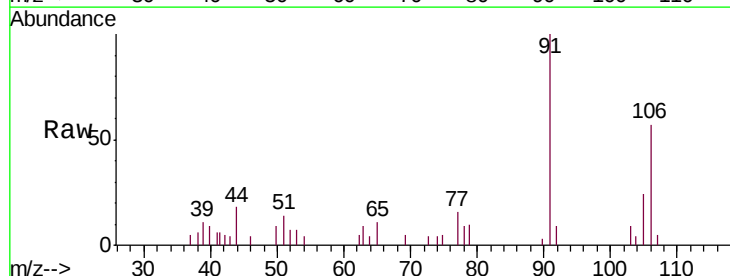
Acq: 07 Jun 2019 14:12

Tgt Ion: 106 Resp: 3183

Ion Ratio Lower Upper

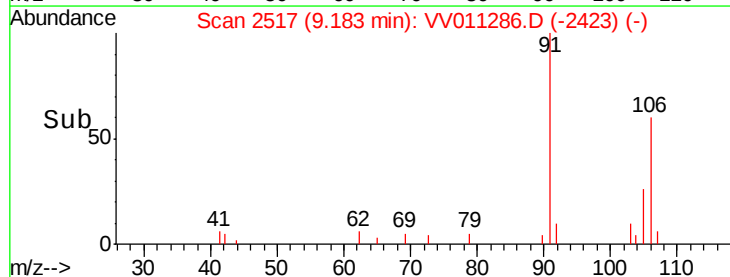
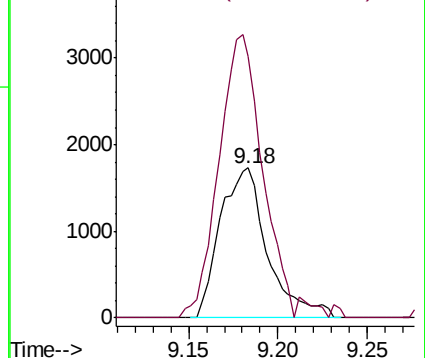
106 100

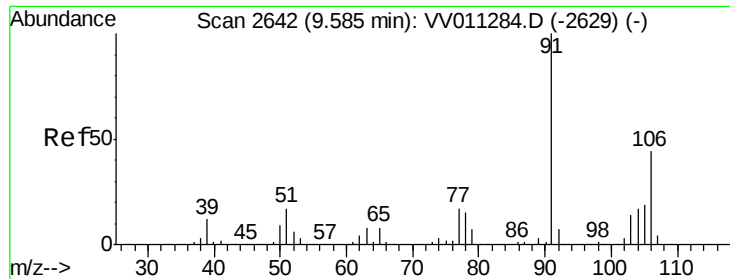
91 174.7 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011286.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV011286.D (-2423) (-)





#54

o-xylene

Concen: 0.132 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011286.D

Acq: 07 Jun 2019 14:12

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MSVOA_V

ClientSampleId :

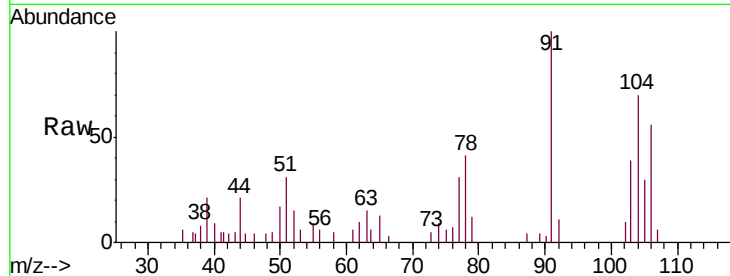
TB-190604

Tgt Ion:106 Resp: 2521

Ion Ratio Lower Upper

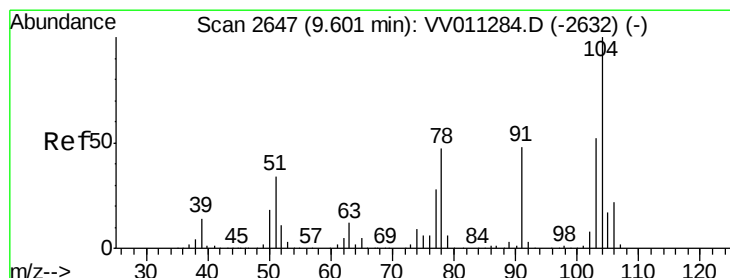
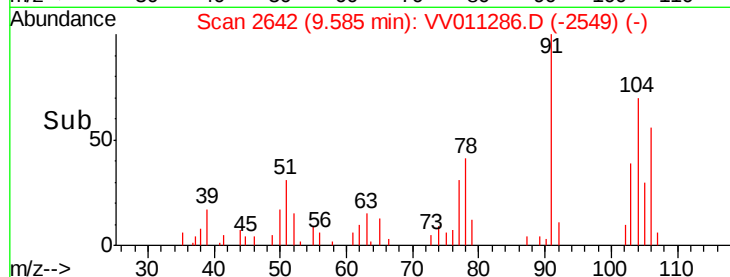
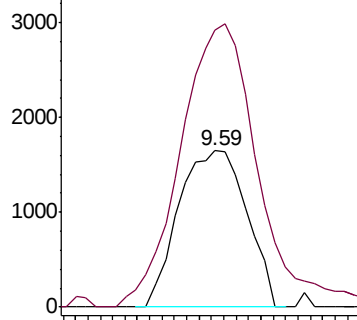
106 100

91 177.4 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.548 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011286.D

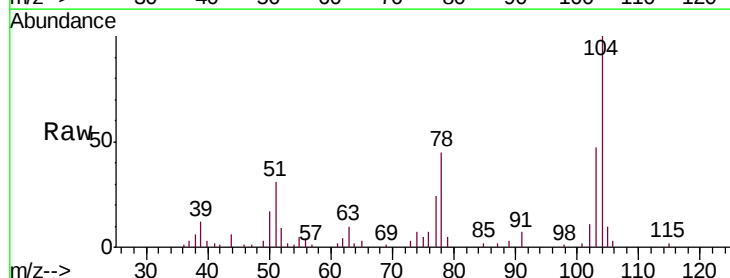
Acq: 07 Jun 2019 14:12

Tgt Ion:104 Resp: 17063

Ion Ratio Lower Upper

104 100

78 45.5 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

