

Data File : VV011245.D
Acq On : 06 Jun 2019 15:21
Operator : SY/MD
Sample : K3230-05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB-190604

Quant Time: Jun 07 01:32:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 07 01:28:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	158102	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147623	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61679	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59603	4.98	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.60%
7) Chloroethane-d5	1.56	69	48634	4.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.60%
11) 1,1-Dichloroethene-d2	2.12	63	92462	3.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.20%
20) 2-Butanone-d5	3.94	46	133789	49.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.20%
24) Chloroform-d	4.40	84	101963	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	5.08	65	56888	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.10	84	218523	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.12	67	65036	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.36	98	196229	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.66	79	21423	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.13	63	110490	50.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43914	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	62348	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

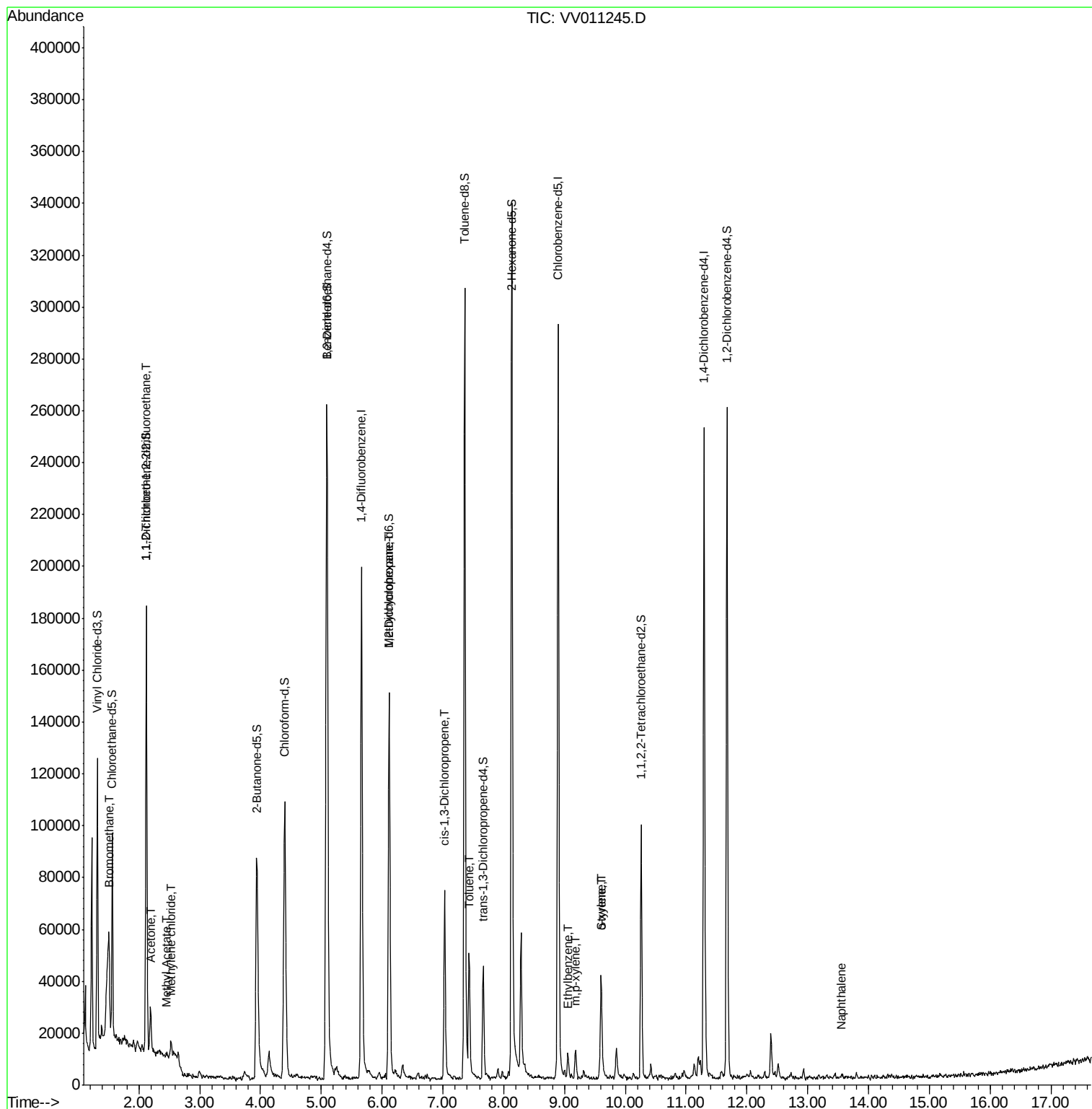
					Qvalue
6) Bromomethane	1.51	94	1254	0.166 ug/L	80
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	891	0.087 ug/L #	28
13) Acetone	2.19	43	15262	8.440 ug/L	93
15) Methyl Acetate	2.46	43	1164	0.242 ug/L	98
16) Methylene chloride	2.53	84	2623	0.256 ug/L	89
35) Methylcyclohexane	6.12	83	16123	0.803 ug/L #	16
39) cis-1,3-Dichloropropene	7.03	75	2277	0.133 ug/L #	62
42) Toluene	7.43	91	31438	0.628 ug/L	98
52) Ethylbenzene	9.05	91	6197	0.111 ug/L	96
53) m,p-xylene	9.18	106	2919	0.142 ug/L	95
54) o-xylene	9.59	106	2586	0.128 ug/L	96
55) Styrene	9.60	104	16594	0.505 ug/L	95
69) Naphthalene	13.56	128	1194	0.065 ug/L #	86

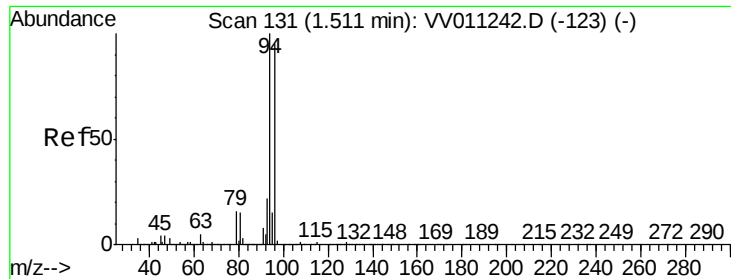
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.166 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

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Acq: 06 Jun 2019 15:21

Instrument :

MSVOA_V

ClientSampleId :

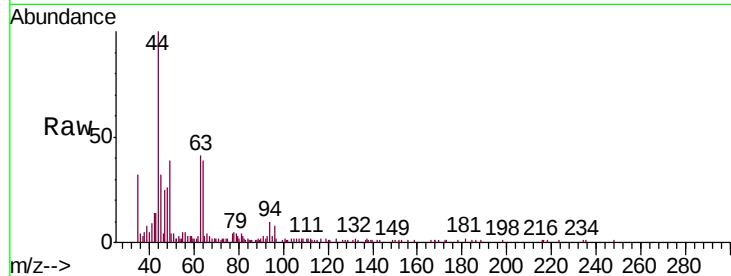
TB-190604

Tgt Ion: 94 Resp: 1254

Ion Ratio Lower Upper

94 100

96 76.3 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1000

800

600

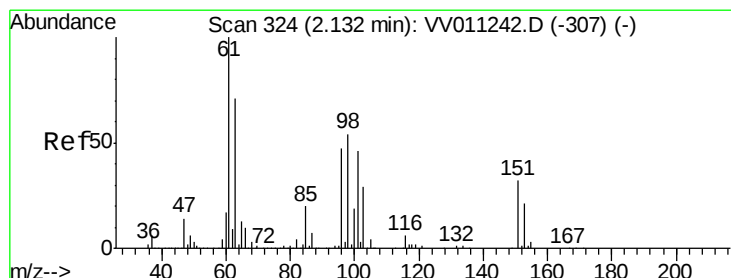
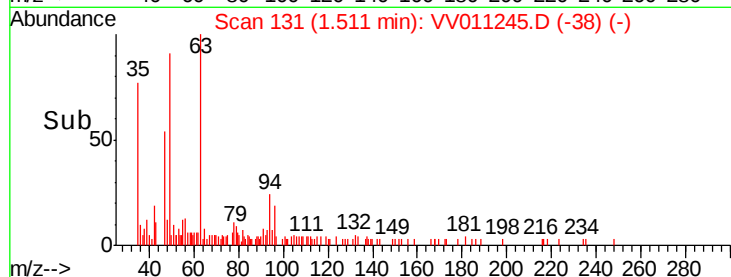
400

200

0

1.46 1.48 1.50 1.52 1.54

Time-->



#10

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

Concen: 0.087 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

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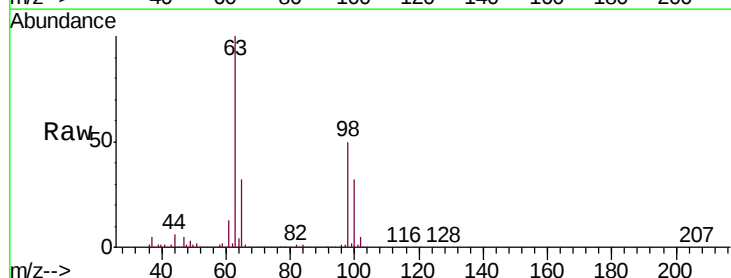
Tgt Ion:101 Resp: 891

Ion Ratio Lower Upper

101 100

85 12.3 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

600

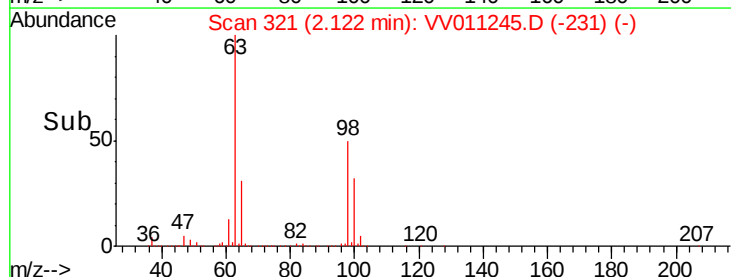
400

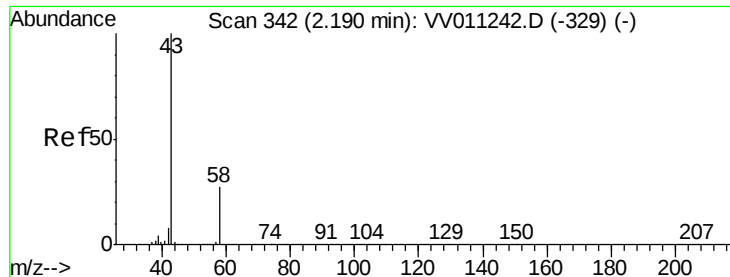
200

0

2.08 2.10 2.12 2.14 2.16

Time-->





#13

Acetone

Concen: 8.440 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

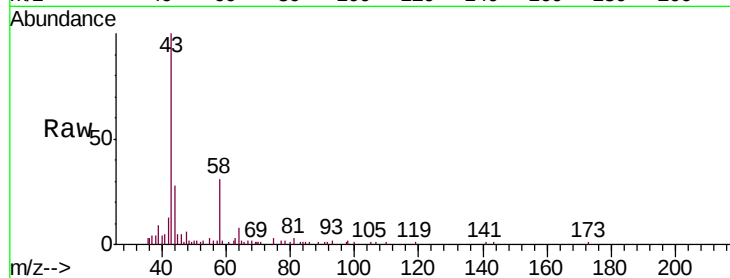
TB-190604

Tgt Ion: 43 Resp: 15262

Ion Ratio Lower Upper

43 100

58 31.5 0.0 55.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

10000

8000

6000

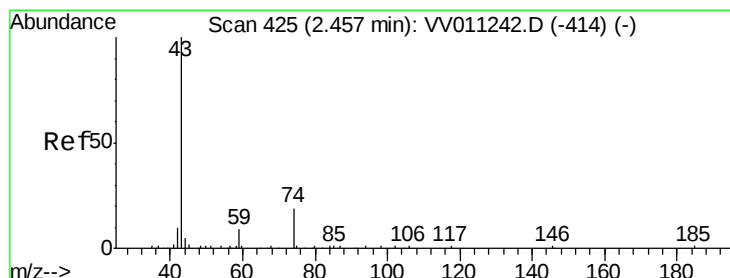
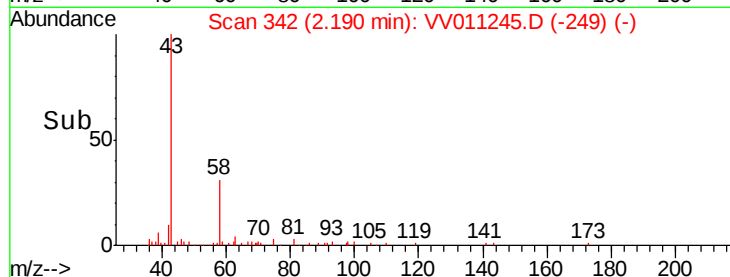
4000

2000

0

Time-->

2.15 2.20 2.25



#15

Methyl Acetate

Concen: 0.242 ug/L

RT: 2.46 min Scan# 425

Delta R.T. 0.00 min

Lab File: VV011245.D

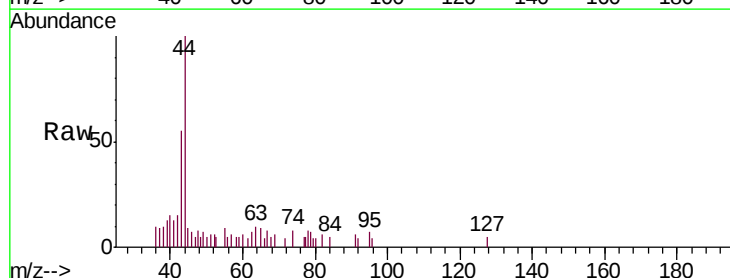
Acq: 06 Jun 2019 15:21

Tgt Ion: 43 Resp: 1164

Ion Ratio Lower Upper

43 100

74 22.0 18.5 27.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

1500

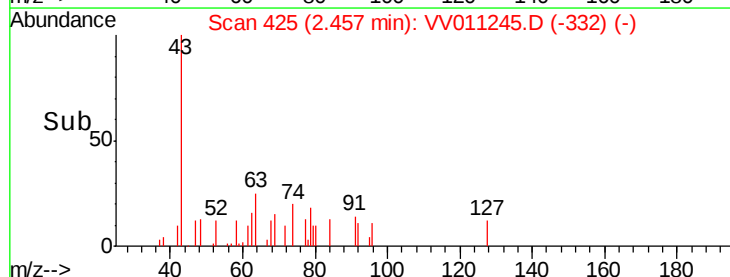
1000

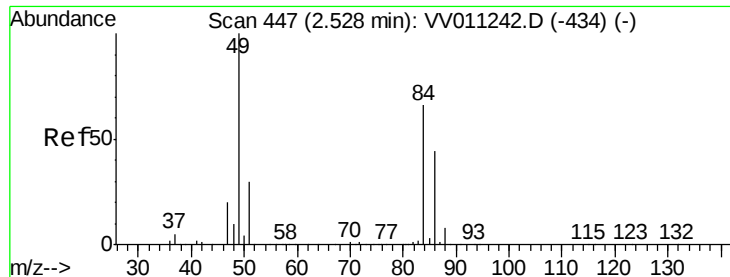
500

0

Time-->

2.42 2.44 2.46 2.48

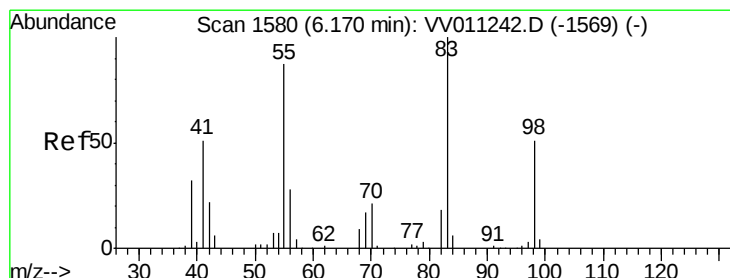
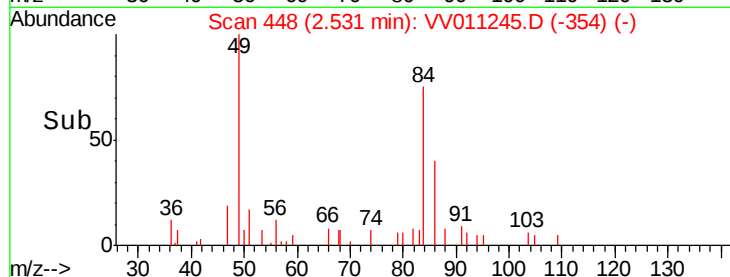
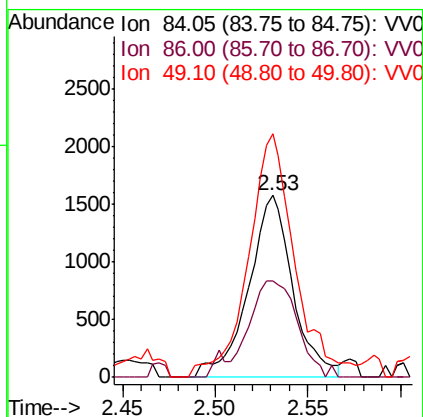
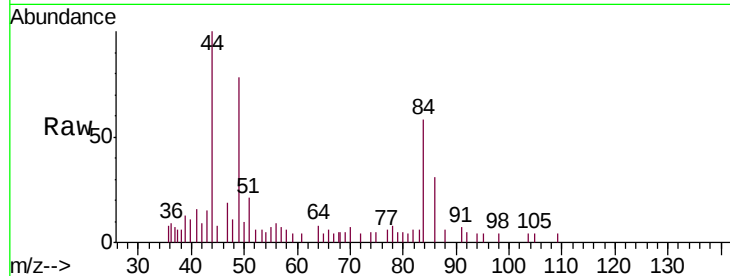




#16
Methylene chloride
Concen: 0.256 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011245.D
Acq: 06 Jun 2019 15:21

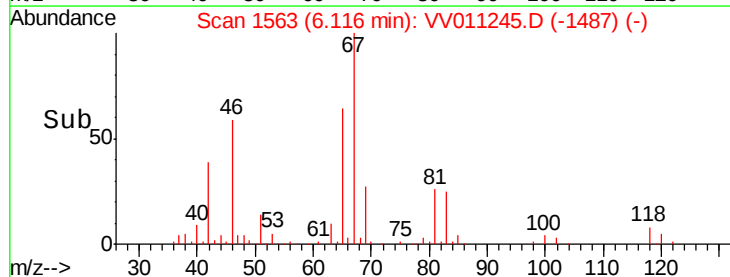
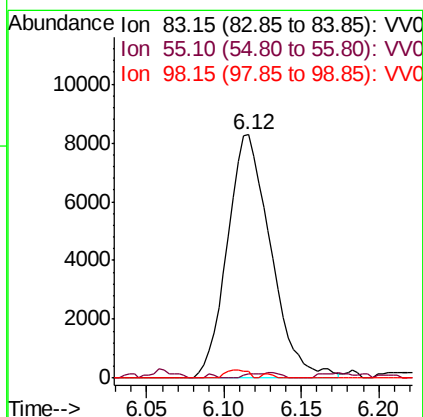
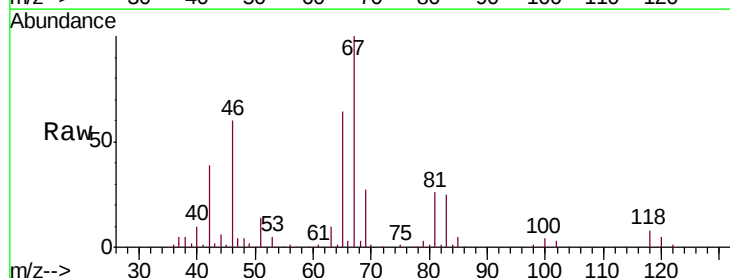
Instrument :
MSVOA_V
ClientSampled :
TB-190604

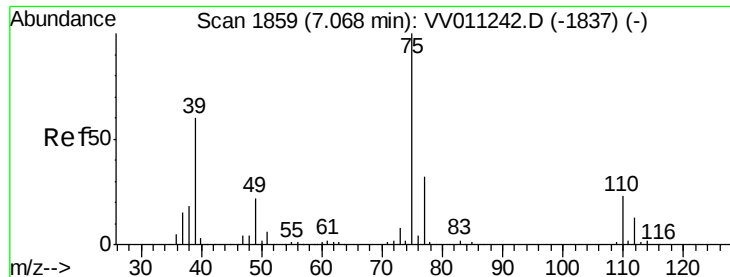
Tgt Ion: 84 Resp: 2623
Ion Ratio Lower Upper
84 100
86 53.3 44.9 83.3
49 133.7 102.1 189.5



#35
Methylcyclohexane
Concen: 0.803 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011245.D
Acq: 06 Jun 2019 15:21

Tgt Ion: 83 Resp: 16123
Ion Ratio Lower Upper
83 100
55 1.6 67.0 100.6#
98 0.5 40.0 60.0#

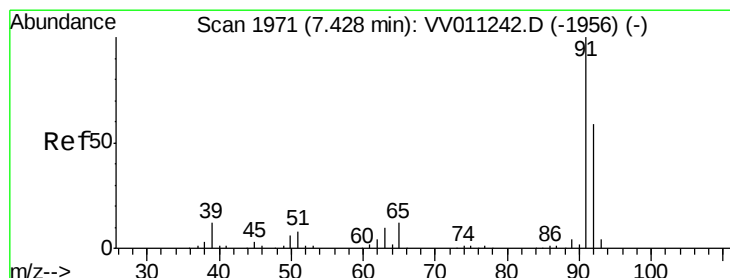
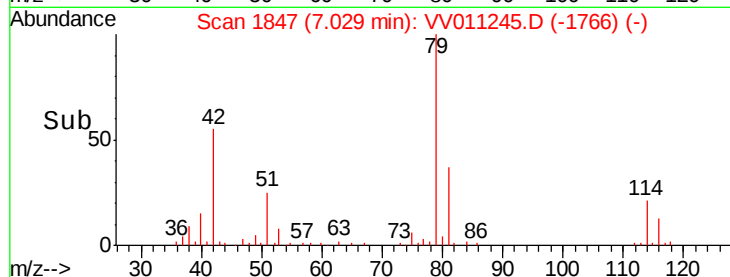
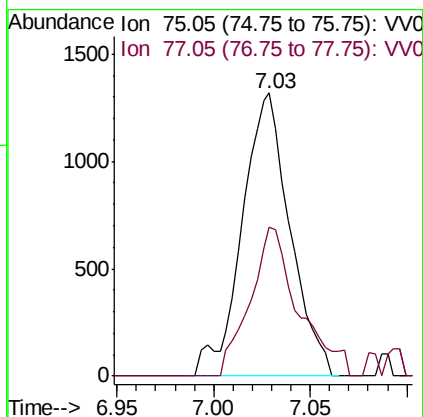
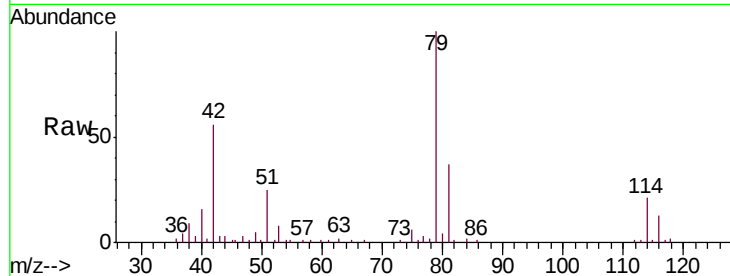




#39
 cis-1,3-Dichloropropene
 Concen: 0.133 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011245.D
 Acq: 06 Jun 2019 15:21

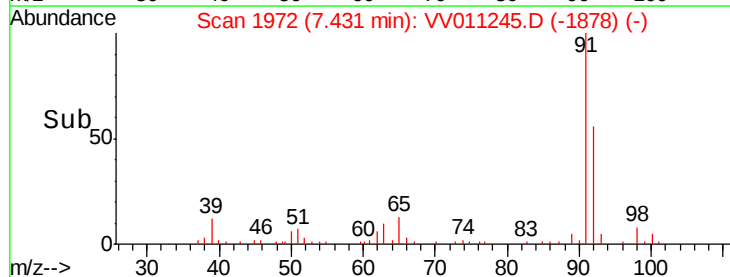
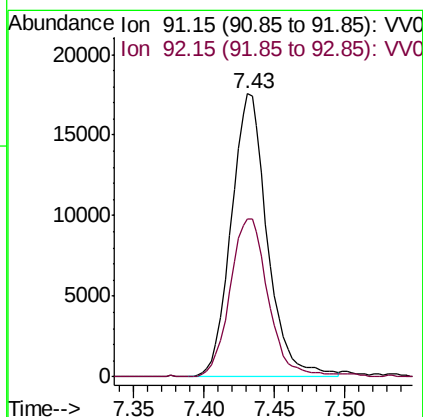
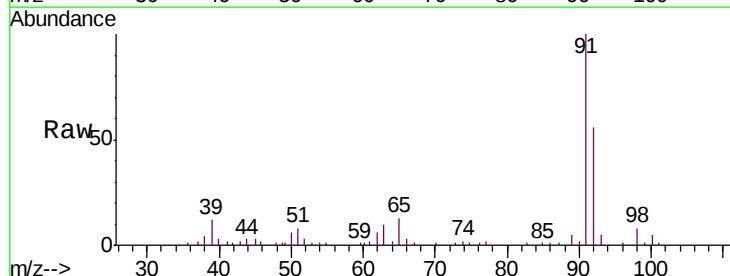
Instrument :
 MSVOA_V
 ClientSampled :
 TB-190604

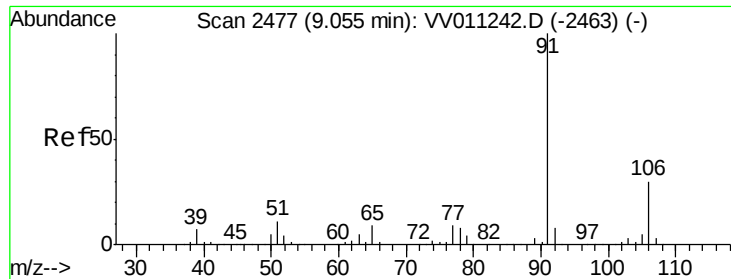
Tgt Ion: 75 Resp: 2277
 Ion Ratio Lower Upper
 75 100
 77 52.5 22.2 41.2#



#42
 Toluene
 Concen: 0.628 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011245.D
 Acq: 06 Jun 2019 15:21

Tgt Ion: 91 Resp: 31438
 Ion Ratio Lower Upper
 91 100
 92 55.8 39.9 74.1





#52

Ethylbenzene

Concen: 0.111 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011245.D

Acq: 06 Jun 2019 15:21

Instrument :

MSVOA_V

ClientSampleId :

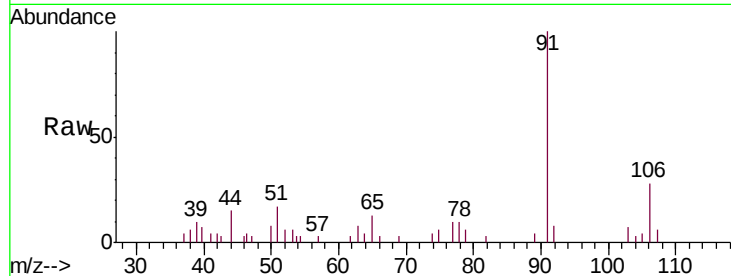
TB-190604

Tgt Ion: 91 Resp: 6197

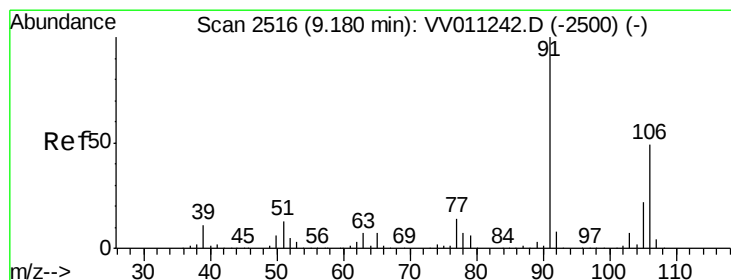
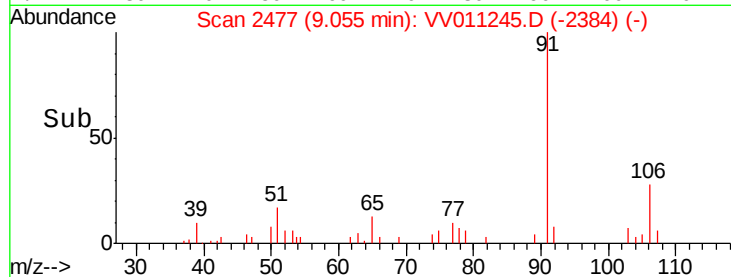
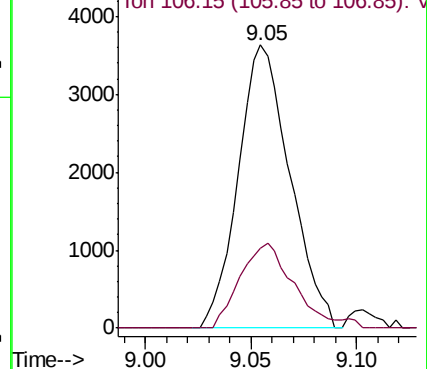
Ion Ratio Lower Upper

91 100

106 28.3 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011245.D (-2463) (-)



#53

m,p-xylene

Concen: 0.142 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011245.D

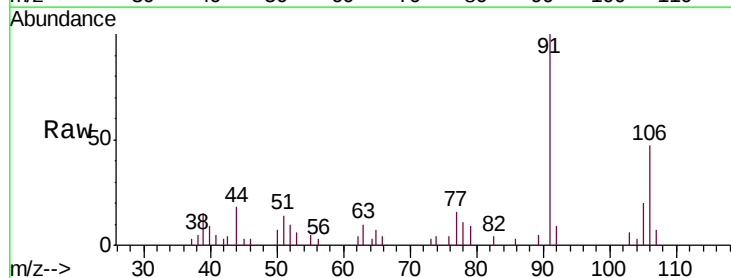
Acq: 06 Jun 2019 15:21

Tgt Ion: 106 Resp: 2919

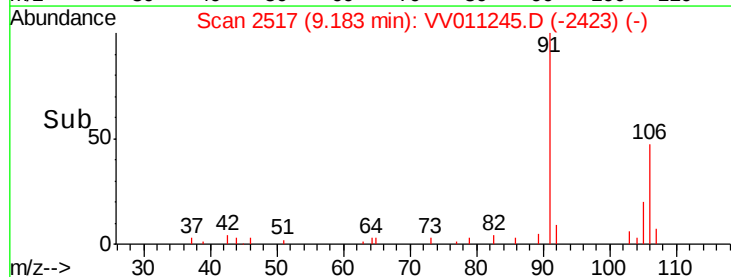
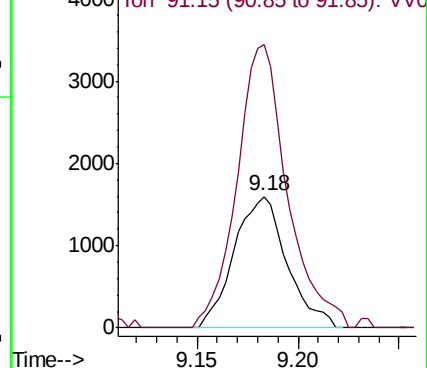
Ion Ratio Lower Upper

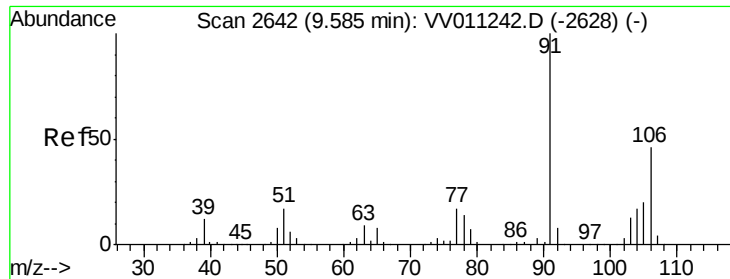
106 100

91 215.0 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011245.D (-2500) (-)

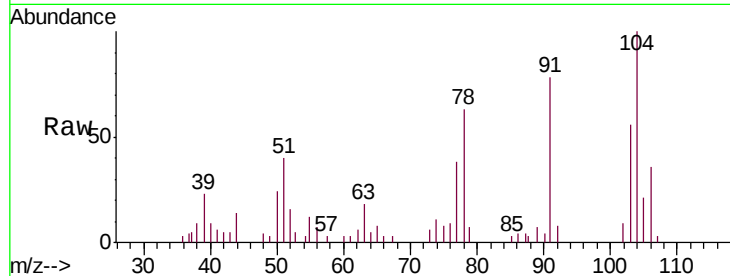




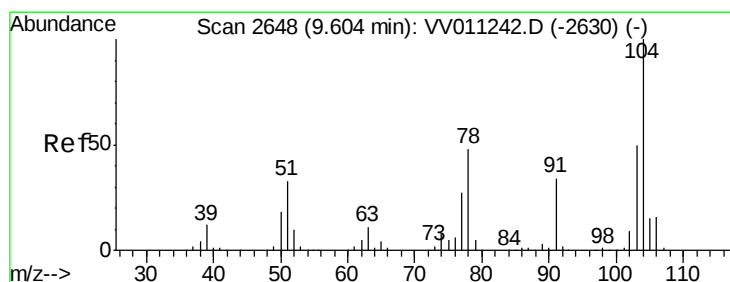
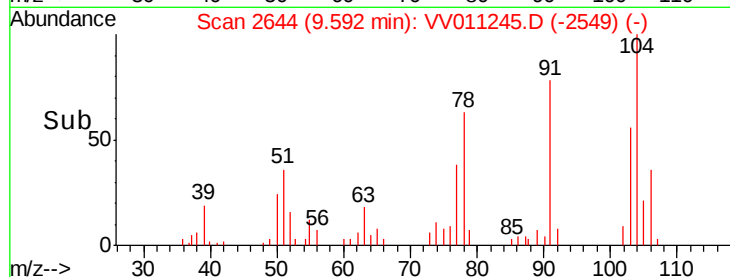
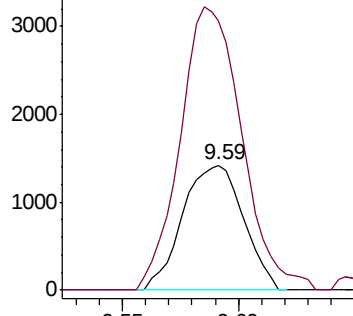
#54
o-xylene
Concen: 0.128 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.01 min
Lab File: VV011245.D
Acq: 06 Jun 2019 15:21

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MSVOA_V
ClientSampleId :
TB-190604

Tgt Ion:106 Resp: 2586
Ion Ratio Lower Upper
106 100
91 215.0 155.4 288.6

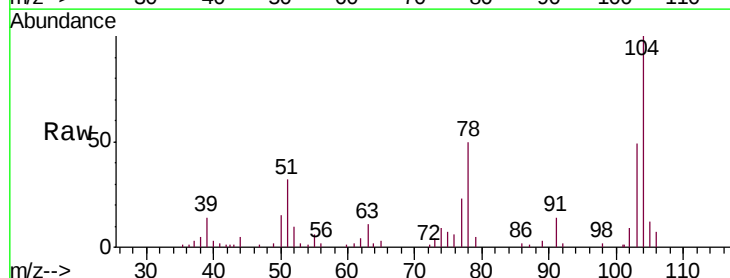


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

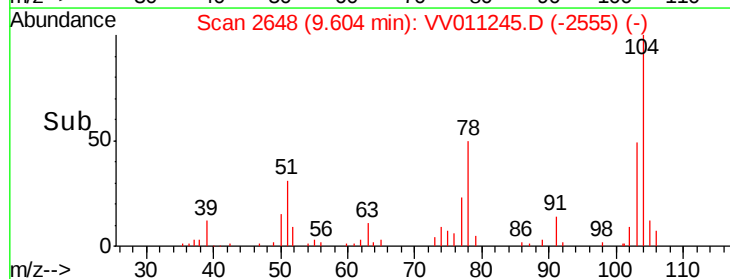
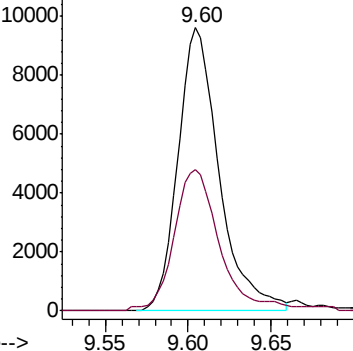


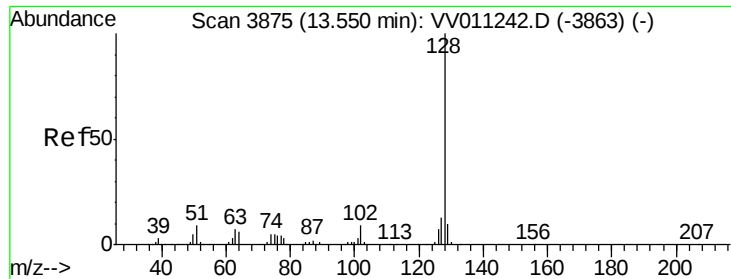
#55
Styrene
Concen: 0.505 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV011245.D
Acq: 06 Jun 2019 15:21

Tgt Ion:104 Resp: 16594
Ion Ratio Lower Upper
104 100
78 49.8 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#69

Naphthalene

Concen: 0.065 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV011245.D

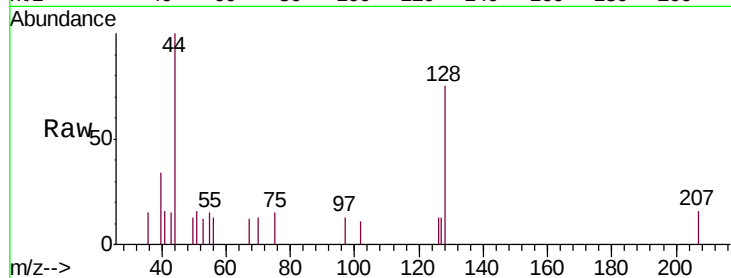
Acq: 06 Jun 2019 15:21

Instrument :

MSVOA_V

ClientSampleId :

TB-190604



Tgt Ion:128 Resp: 1194

Ion Ratio Lower Upper

128 100

129 4.1 8.9 13.3#

127 17.0 10.5 15.7#

