

Data File : VV013682.D
Acq On : 19 Nov 2019 16:45
Operator : SY/MD
Sample : VIBLK43
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Quant Time: Nov 20 01:35:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	387557	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	362313	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	181048	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	94719	3.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.00%
7) Chloroethane-d5	1.58	69	95592	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.13	63	135100	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.96	46	316697	57.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.40%
24) Chloroform-d	4.40	84	240436	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	124844	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.09	84	494276	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.11	67	151454	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.36	98	425256	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	7.66	79	53313	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.14	63	227759	52.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	104464	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	180683	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

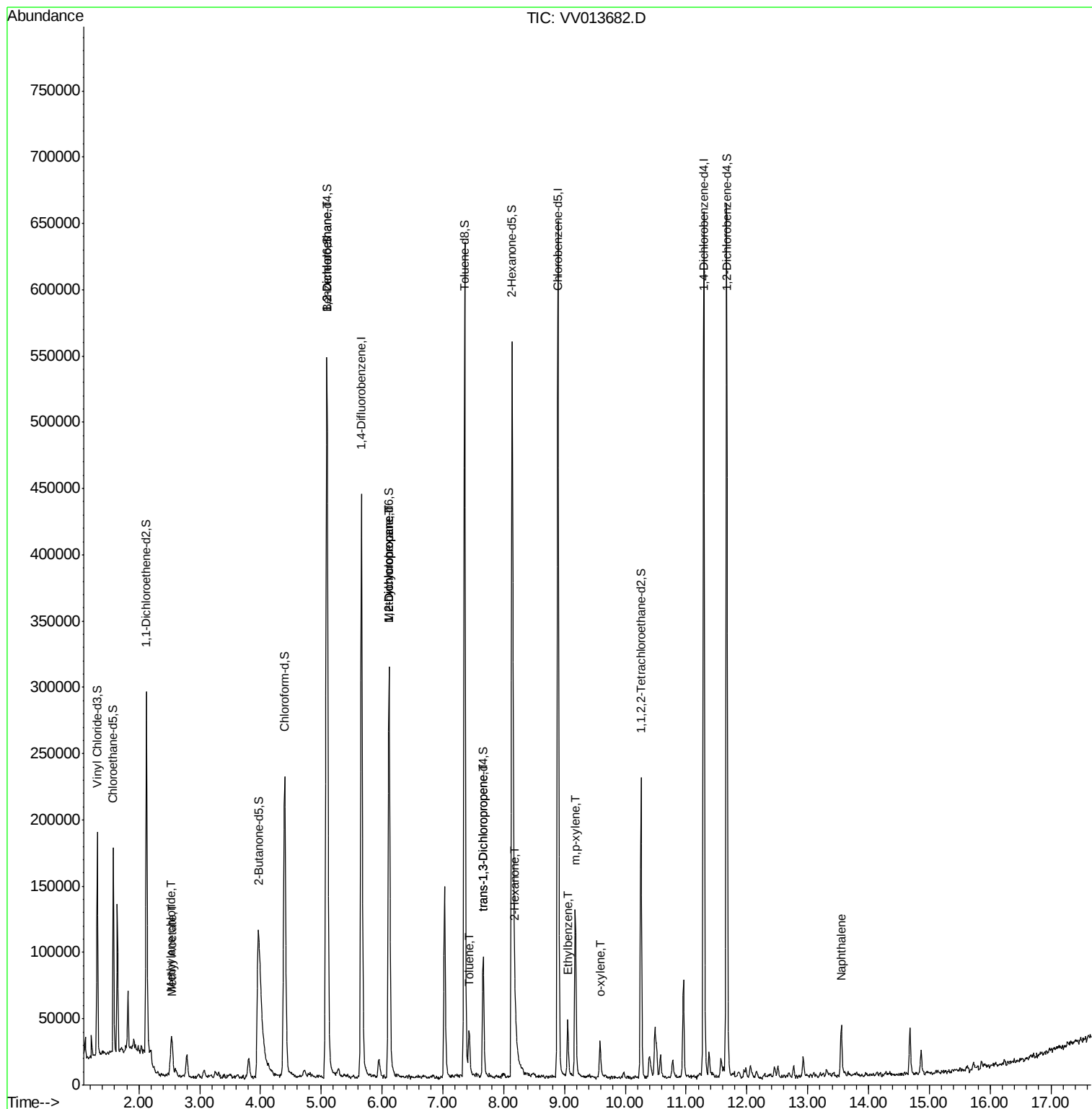
					Qvalue
15) Methyl Acetate	2.55	43	17490	1.768 ug/L #	52
16) Methylene chloride	2.53	84	7910	0.246 ug/L	96
27) 1,2-Dichloroethane	5.09	62	2483	0.081 ug/L	99
35) Methylcyclohexane	6.11	83	37831	0.845 ug/L #	18
37) 1,2-Dichloropropane	6.11	63	17102	0.651 ug/L #	86
42) Toluene	7.43	91	24477	0.209 ug/L	94
44) trans-1,3-Dichloropropene	7.66	75	1961	0.066 ug/L #	66
48) 2-Hexanone	8.19	43	8636	0.797 ug/L #	45
52) Ethylbenzene	9.05	91	29395	0.235 ug/L	99
53) m,p-xylene	9.18	106	36670	0.779 ug/L	91
54) o-xylene	9.59	106	7846	0.173 ug/L	79
69) Naphthalene	13.55	128	29593	0.524 ug/L	98

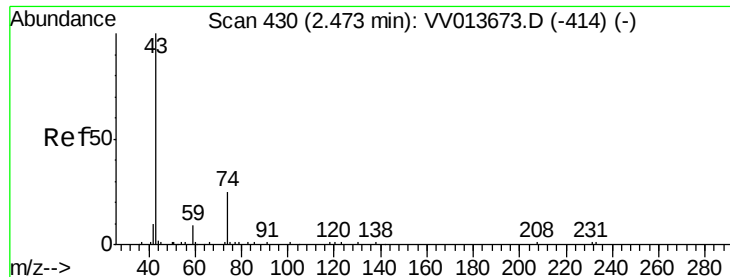
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#15

Methyl Acetate

Concen: 1.768 ug/L

RT: 2.55 min Scan# 455

Delta R.T. 0.08 min

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Acq: 19 Nov 2019 16:45

Instrument :

MSVOA_V

ClientSampleId :

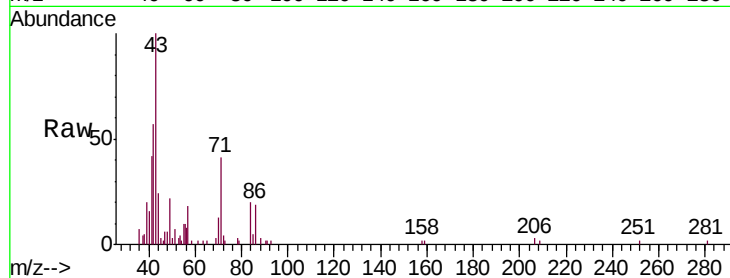
VIBLK

Tgt Ion: 43 Resp: 17490

Ion Ratio Lower Upper

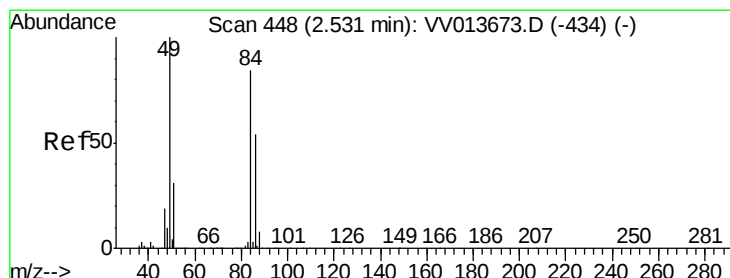
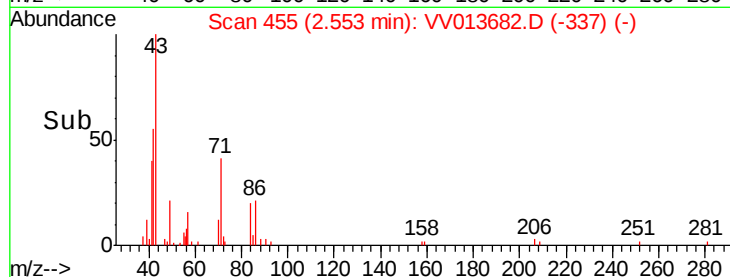
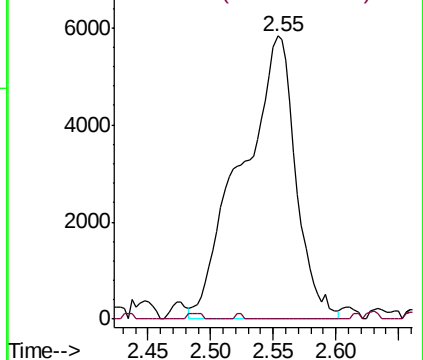
43 100

74 0.2 18.9 28.3#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.246 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013682.D

Acq: 19 Nov 2019 16:45

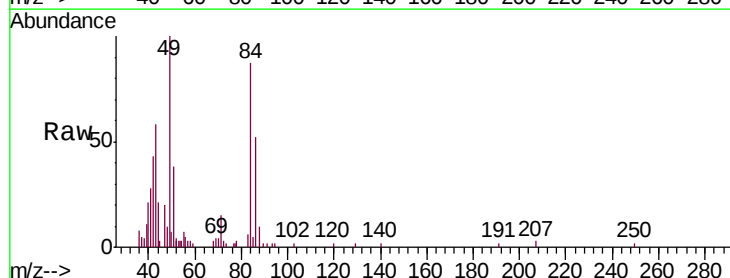
Tgt Ion: 84 Resp: 7910

Ion Ratio Lower Upper

84 100

86 59.6 44.1 81.9

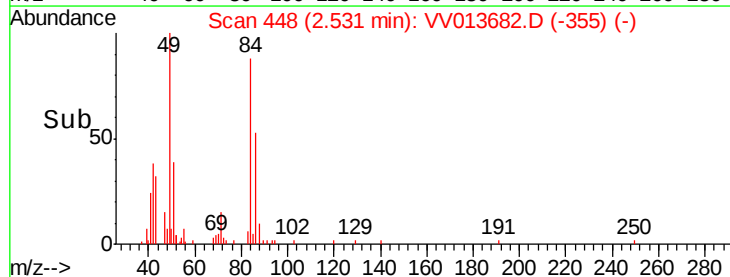
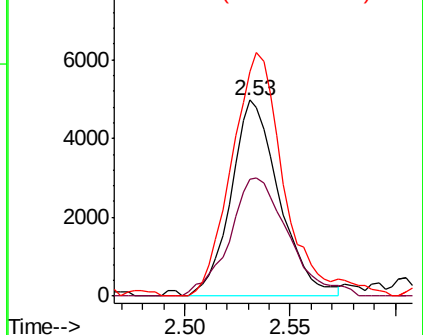
49 114.6 83.4 155.0

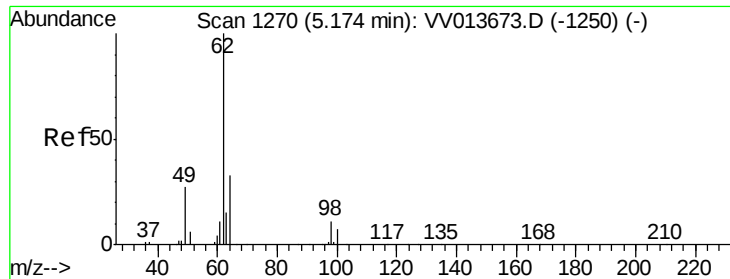


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

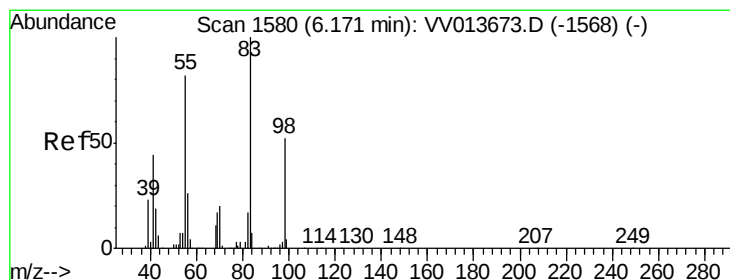
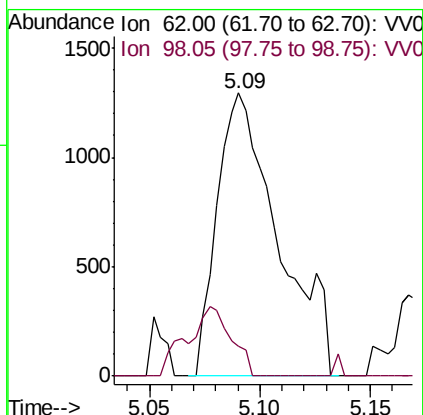
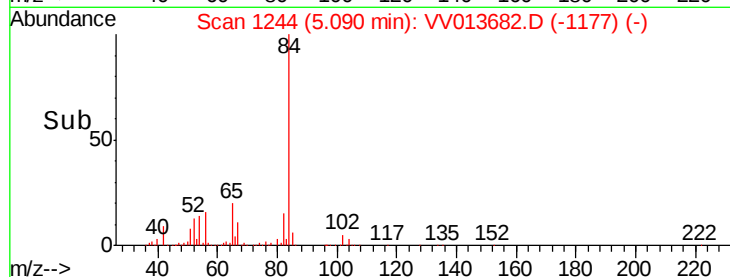
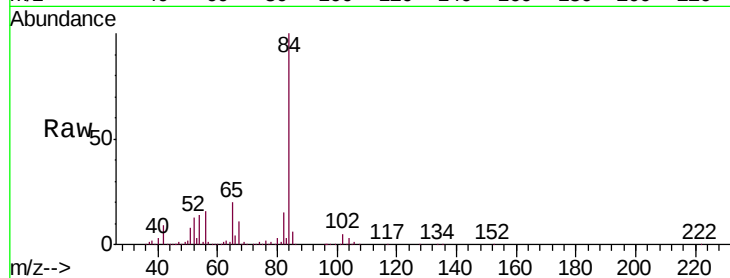




#27
 1,2-Dichloroethane
 Concen: 0.081 ug/L
 RT: 5.09 min Scan# 1244
 Delta R.T. -0.08 min
 Lab File: VV013682.D
 Acq: 19 Nov 2019 16:45

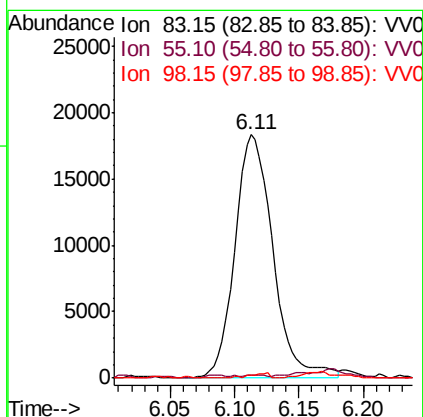
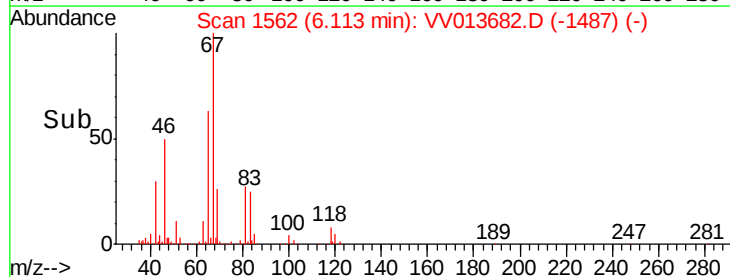
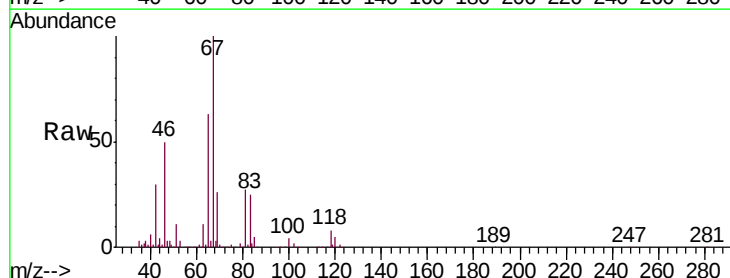
Instrument :
 MSVOA_V
 ClientSampled :
 VIBLK

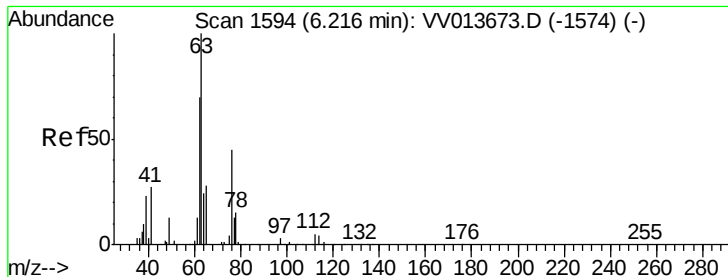
Tgt Ion: 62 Resp: 2483
 Ion Ratio Lower Upper
 62 100
 98 10.6 8.2 12.2



#35
 Methylcyclohexane
 Concen: 0.845 ug/L
 RT: 6.11 min Scan# 1562
 Delta R.T. -0.06 min
 Lab File: VV013682.D
 Acq: 19 Nov 2019 16:45

Tgt Ion: 83 Resp: 37831
 Ion Ratio Lower Upper
 83 100
 55 0.7 64.1 96.1#
 98 0.9 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.651 ug/L

RT: 6.11 min Scan# 1561

Delta R.T. -0.11 min

Lab File: VV013682.D

Acq: 19 Nov 2019 16:45

Instrument :

MSVOA_V

ClientSampleId :

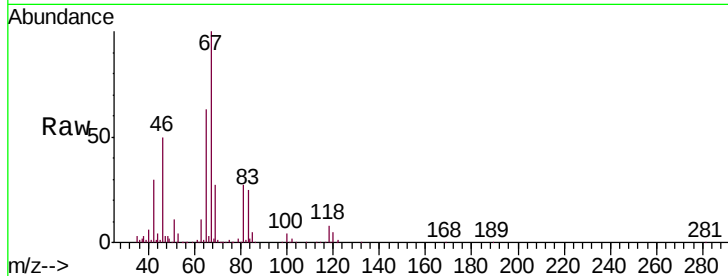
VIBLK

Tgt Ion: 63 Resp: 17102

Ion Ratio Lower Upper

63 100

112 0.4 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV013673.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV013673.D (-1574) (-)

6.11

8000

6000

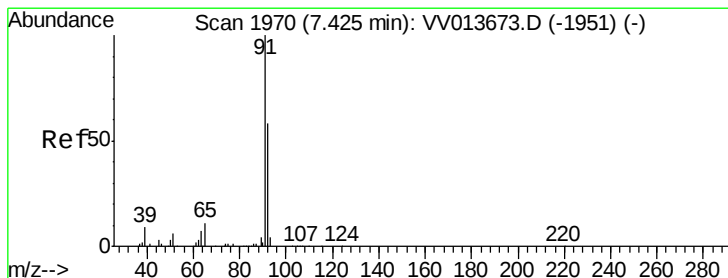
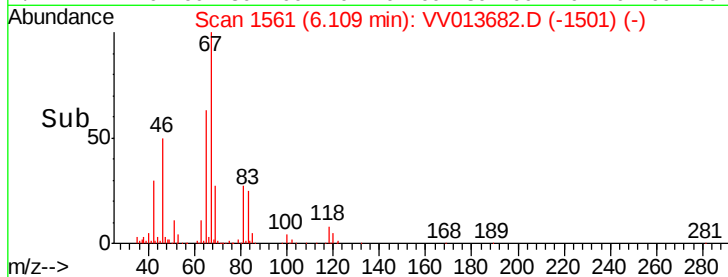
4000

2000

0

6.05 6.10 6.15 6.20

Time-->



#42

Toluene

Concen: 0.209 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VV013682.D

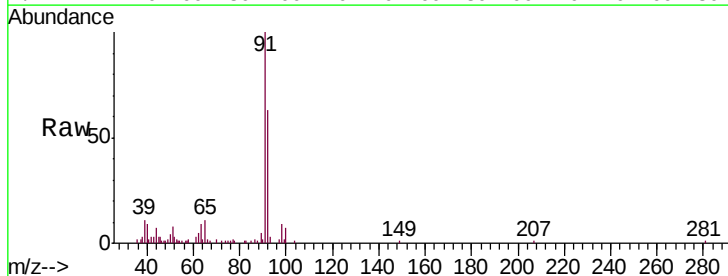
Acq: 19 Nov 2019 16:45

Tgt Ion: 91 Resp: 24477

Ion Ratio Lower Upper

91 100

92 63.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV013673.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV013673.D (-1951) (-)

7.43

15000

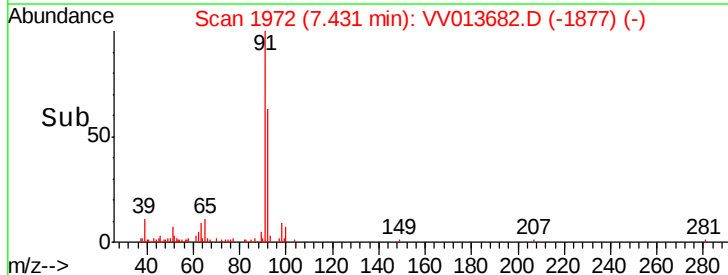
10000

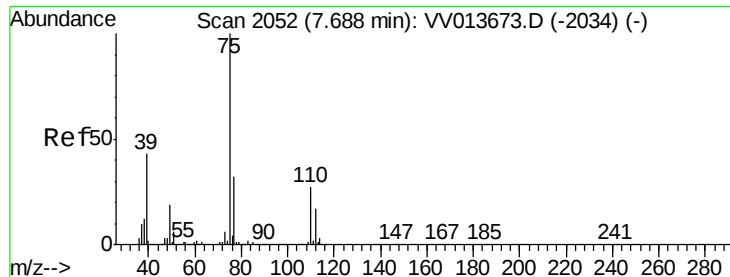
5000

0

7.35 7.40 7.45 7.50

Time-->





#44

trans-1,3-Dichloropropene

Concen: 0.066 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013682.D

Acq: 19 Nov 2019 16:45

Instrument :

MSVOA_V

ClientSampleId :

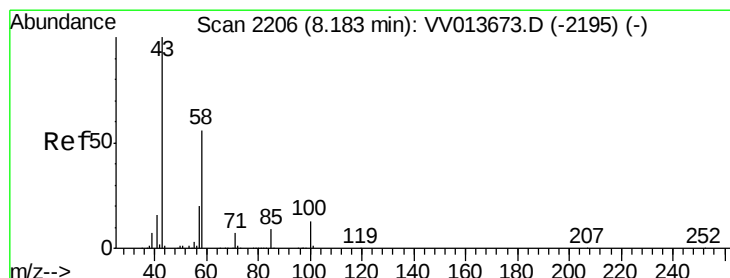
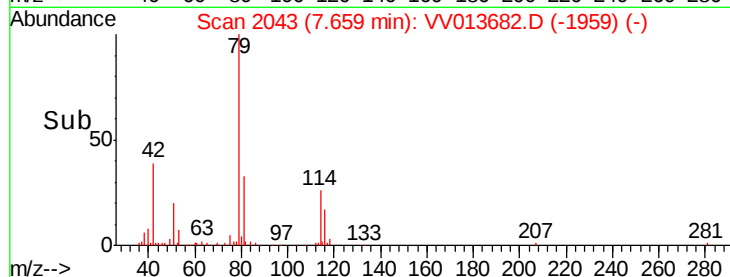
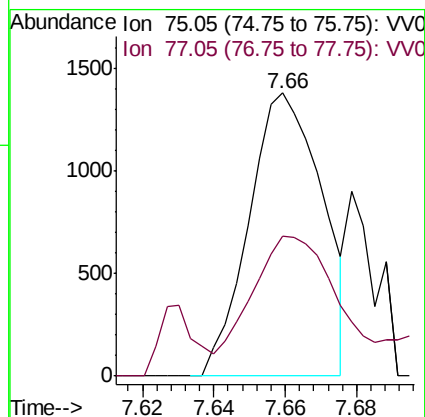
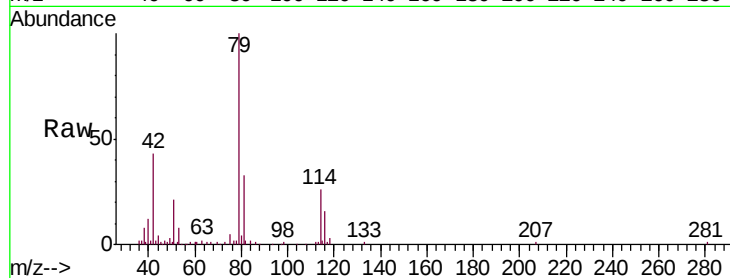
VIBLK

Tgt Ion: 75 Resp: 1961

Ion Ratio Lower Upper

75 100

77 49.5 21.6 40.2#



#48

2-Hexanone

Concen: 0.797 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. 0.01 min

Lab File: VV013682.D

Acq: 19 Nov 2019 16:45

Tgt Ion: 43 Resp: 8636

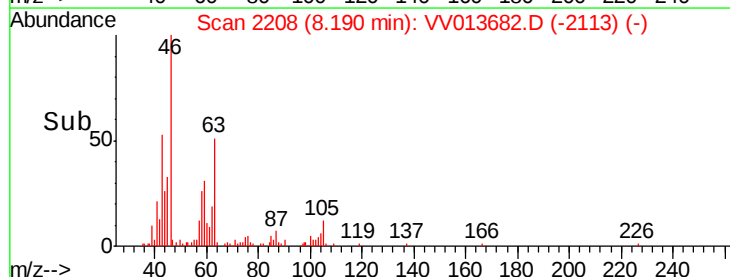
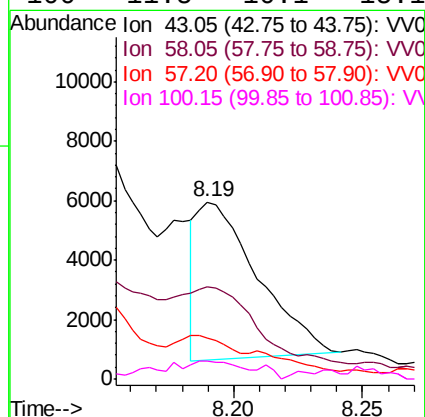
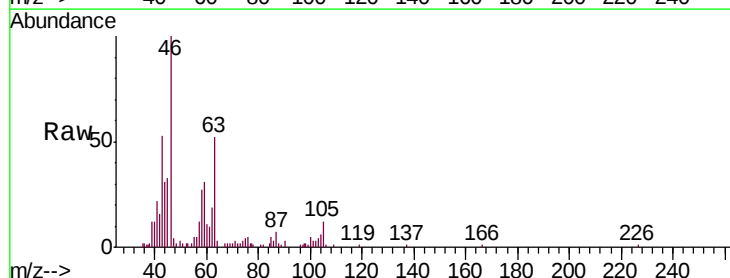
Ion Ratio Lower Upper

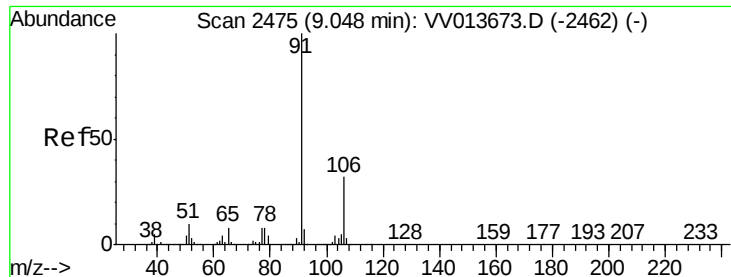
43 100

58 0.0 43.0 64.6#

57 33.7 15.4 23.2#

100 11.5 10.1 15.1





#52

Ethylbenzene

Concen: 0.235 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.01 min

Lab File: VV013682.D

Acq: 19 Nov 2019 16:45

Instrument :

MSVOA_V

ClientSampleId :

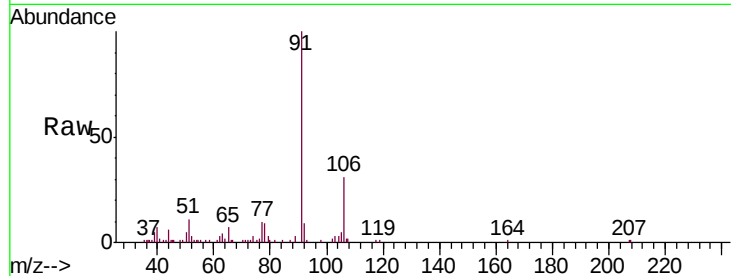
VIBLK

Tgt Ion: 91 Resp: 29395

Ion Ratio Lower Upper

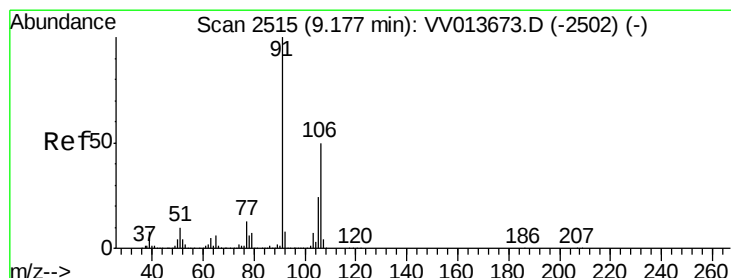
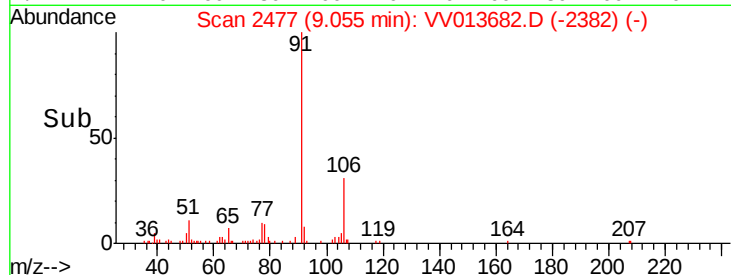
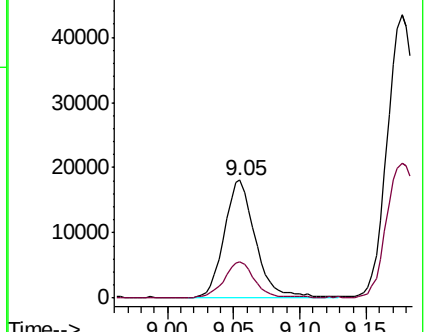
91 100

106 30.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013673.D (-2462) (-)

Ion 106.15 (105.85 to 106.85): VV013673.D (-2462) (-)



#53

m,p-xylene

Concen: 0.779 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013682.D

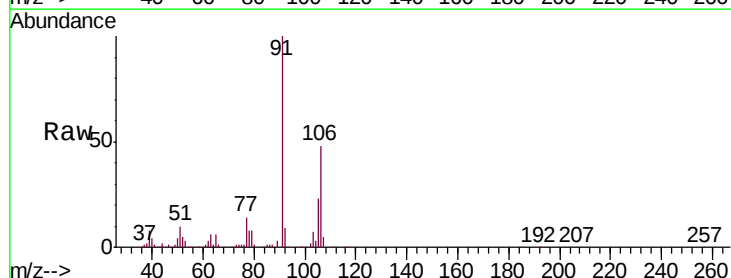
Acq: 19 Nov 2019 16:45

Tgt Ion: 106 Resp: 36670

Ion Ratio Lower Upper

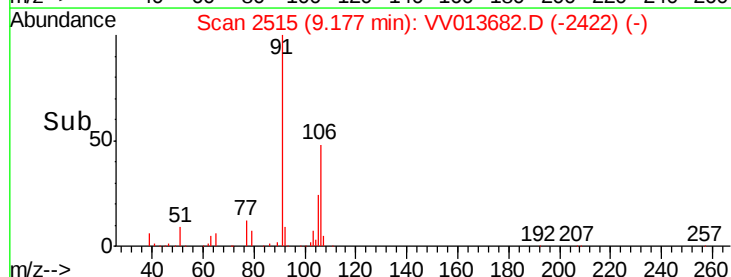
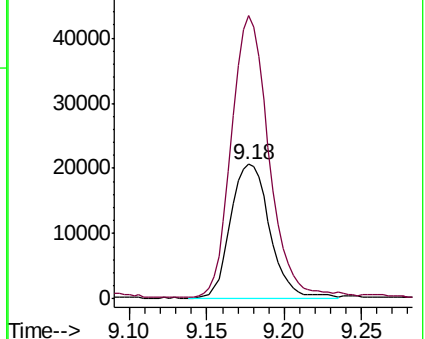
106 100

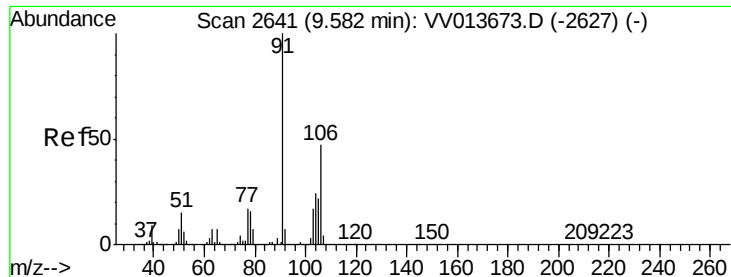
91 210.4 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013673.D (-2502) (-)

Ion 91.15 (90.85 to 91.85): VV013673.D (-2502) (-)





#54

o-xylene

Concen: 0.173 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

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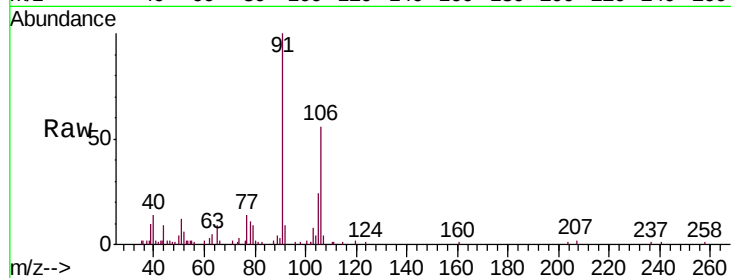
VIBLK

Tgt Ion:106 Resp: 7846

Ion Ratio Lower Upper

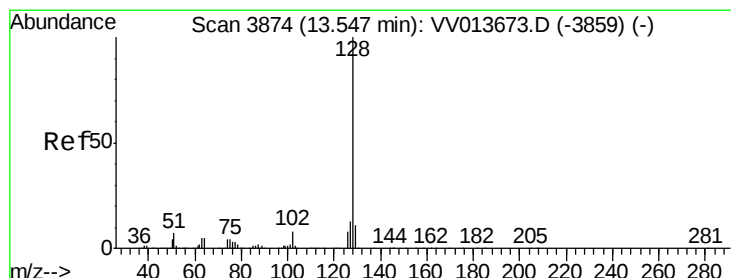
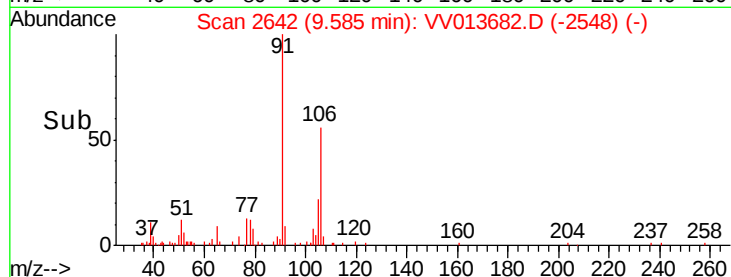
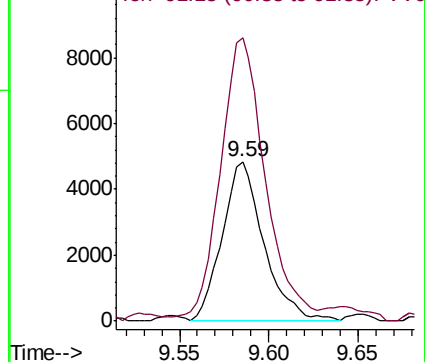
106 100

91 177.4 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#69

Naphthalene

Concen: 0.524 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013682.D

Acq: 19 Nov 2019 16:45

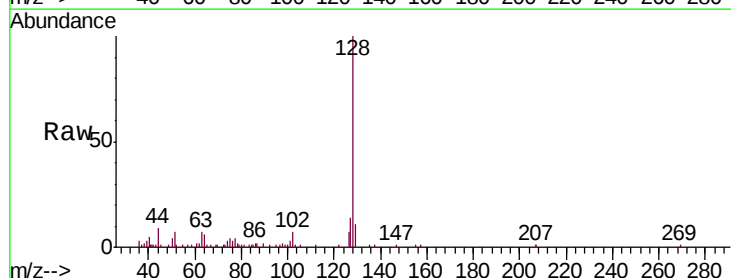
Tgt Ion:128 Resp: 29593

Ion Ratio Lower Upper

128 100

129 11.4 8.6 13.0

127 14.3 10.4 15.6



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

