

Data File : VV011415.D
Acq On : 12 Jun 2019 10:54
Operator : SY/MD
Sample : VV0612WBL01
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK56

Quant Time: Jun 13 01:16:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jun 13 01:13:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	146765	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	138758	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	54561	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	54754	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.54	69	44632	4.83	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.11	63	85189	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	3.95	46	135711	54.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.40%
24) Chloroform-d	4.39	84	93629	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.08	65	51962	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.08	84	191046	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.11	67	57758	4.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.40%
41) Toluene-d8	7.36	98	169762	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.67	79	17096	3.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.20%
46) 2-Hexanone-d5	8.14	63	91230	44.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.60%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38672	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	51625	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

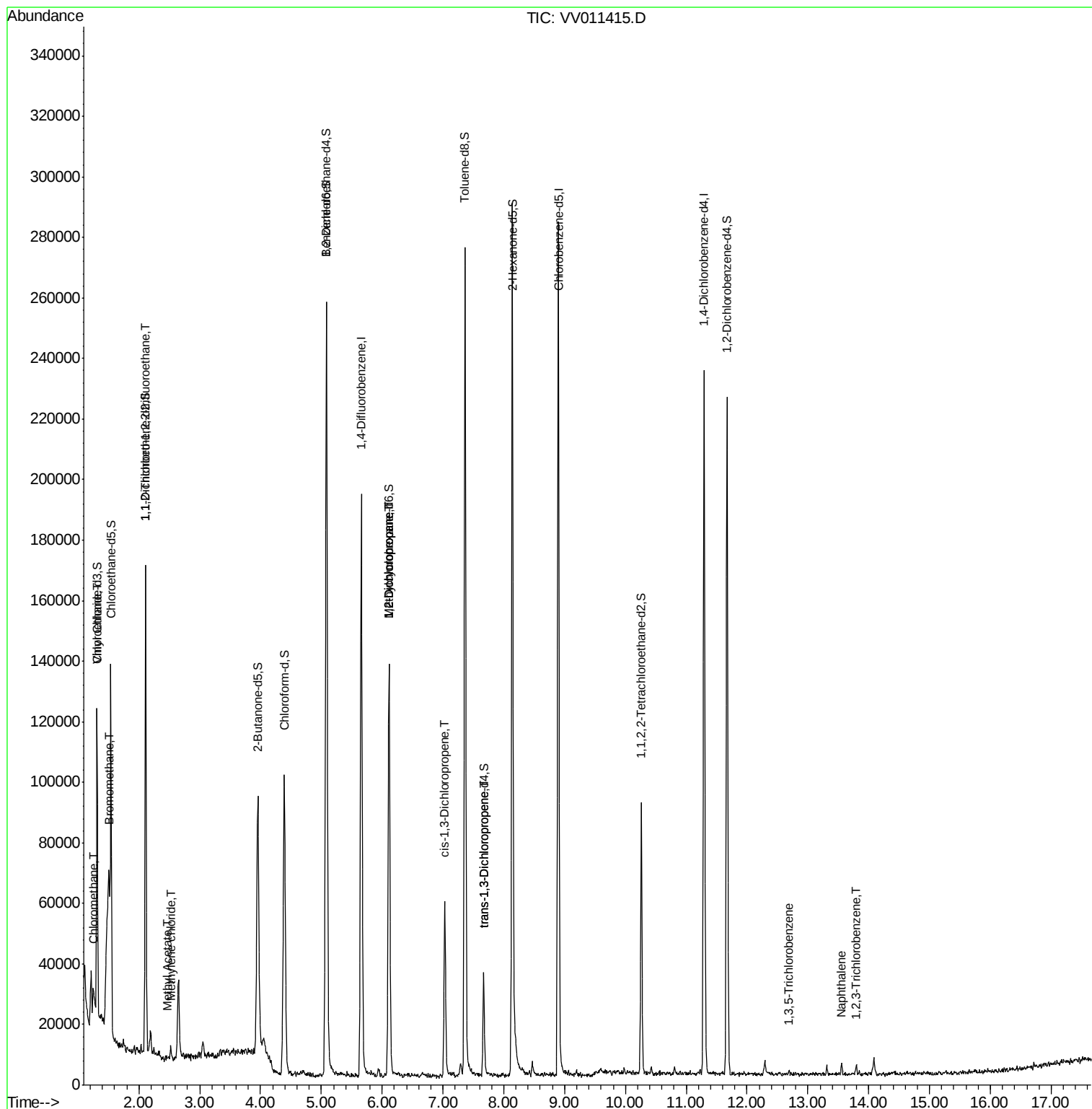
					Qvalue
3) Chloromethane	1.25	50	4457	0.318 ug/L	100
6) Bromomethane	1.51	94	2043	0.291 ug/L	72
8) Chloroethane	1.31	64	3157	0.366 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.11	101	844	0.089 ug/L #	27
15) Methyl Acetate	2.46	43	859	0.193 ug/L #	65
16) Methylene chloride	2.53	84	1662	0.174 ug/L	81
35) Methylcyclohexane	6.12	83	14337	0.760 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	7652	0.696 ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1653	0.103 ug/L #	47
44) trans-1,3-Dichloropropene	7.67	75	1021	0.084 ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	528	0.041 ug/L #	74
69) Naphthalene	13.55	128	2242	0.139 ug/L #	90
70) 1,2,3-Trichlorobenzene	13.80	180	622	0.070 ug/L	98

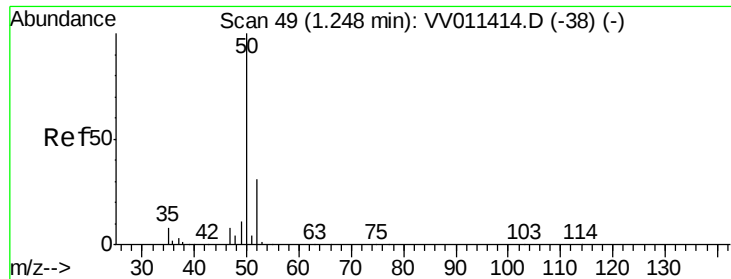
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.318 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011415.D

Acq: 12 Jun 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

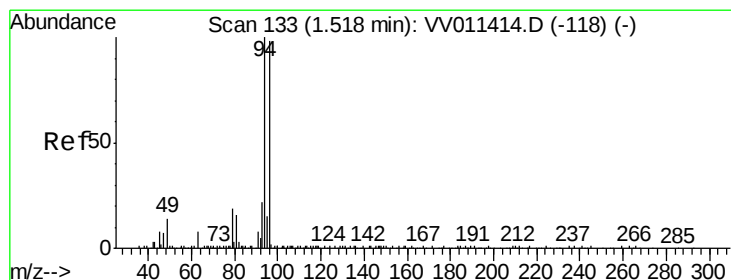
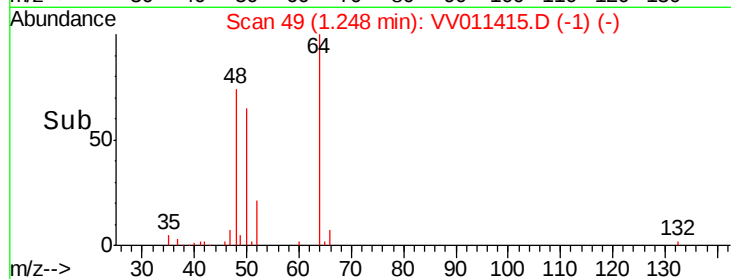
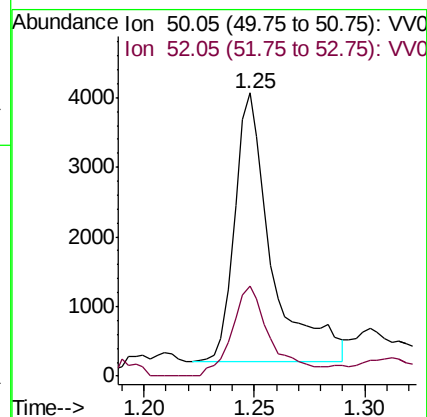
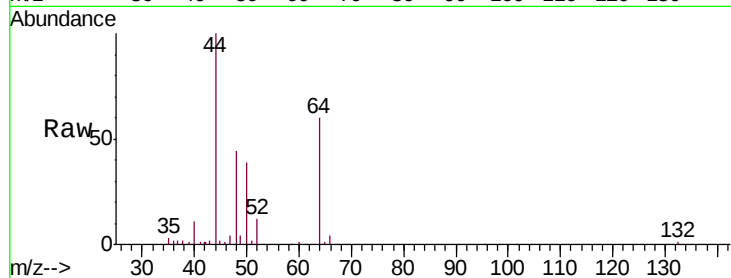
VBLK56

Tgt Ion: 50 Resp: 4457

Ion Ratio Lower Upper

50 100

52 31.8 22.3 41.5



#6

Bromomethane

Concen: 0.291 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.01 min

Lab File: VV011415.D

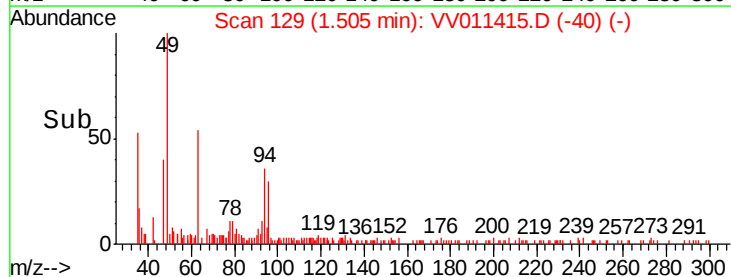
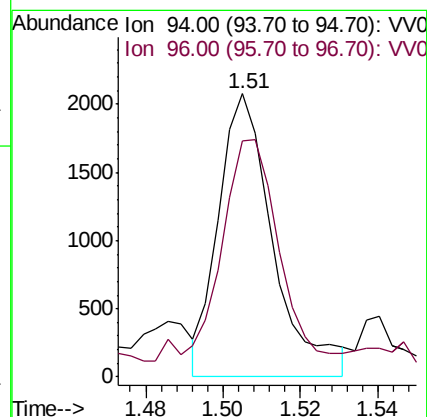
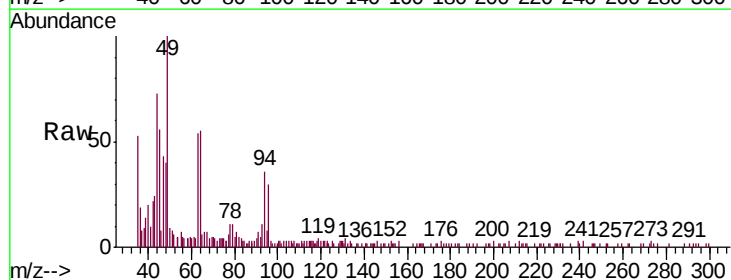
Acq: 12 Jun 2019 10:54

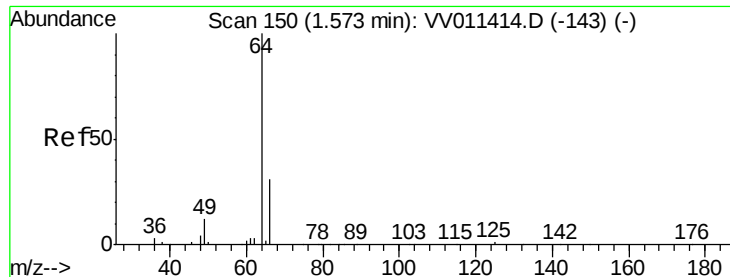
Tgt Ion: 94 Resp: 2043

Ion Ratio Lower Upper

94 100

96 68.8 67.0 124.4





#8

Chloroethane

Concen: 0.366 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.26 min

Lab File: VV011415.D

Acq: 12 Jun 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

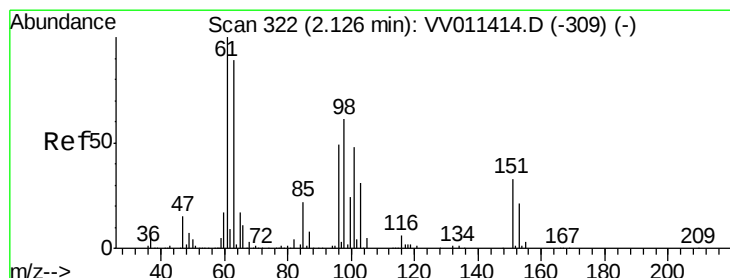
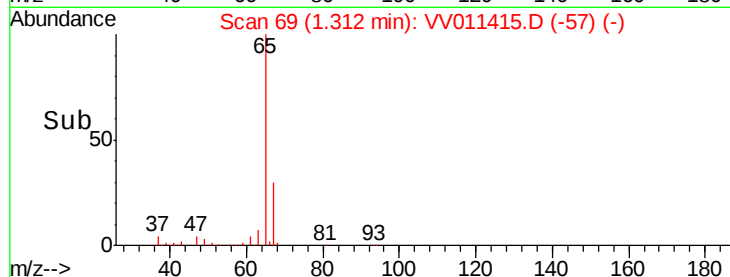
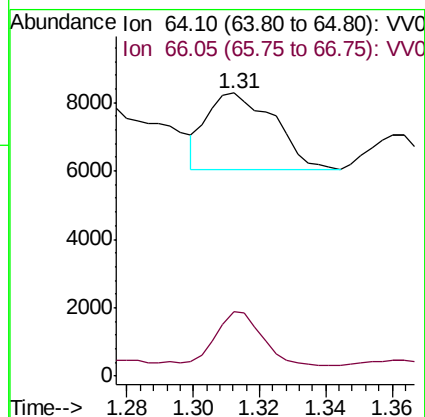
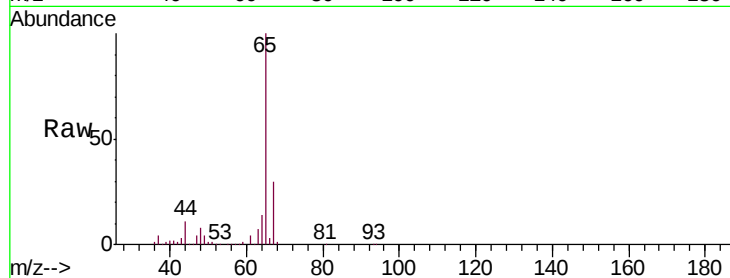
VBLK56

Tgt Ion: 64 Resp: 3157

Ion Ratio Lower Upper

64 100

66 22.8 19.4 36.0



#10

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

Concen: 0.089 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.02 min

Lab File: VV011415.D

Acq: 12 Jun 2019 10:54

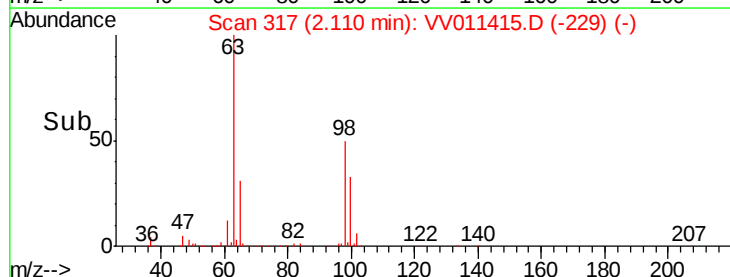
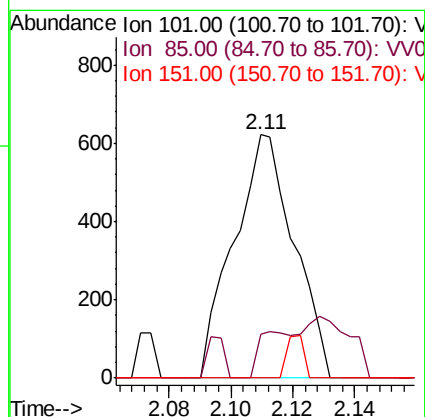
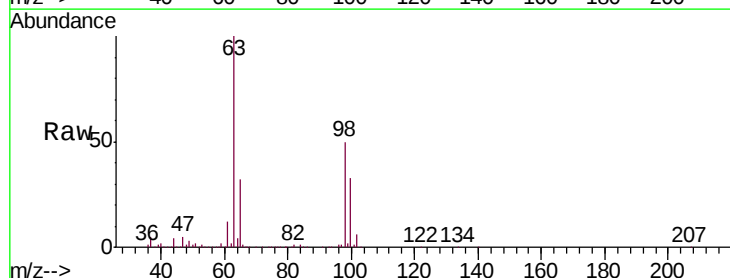
Tgt Ion: 101 Resp: 844

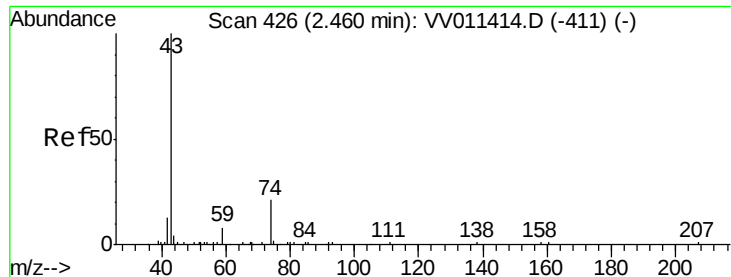
Ion Ratio Lower Upper

101 100

85 10.3 35.5 53.3#

151 0.0 56.9 85.3#





#15

Methyl Acetate

Concen: 0.193 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011415.D

Acq: 12 Jun 2019 10:54

Instrument :

MSVOA_V

ClientSampleId :

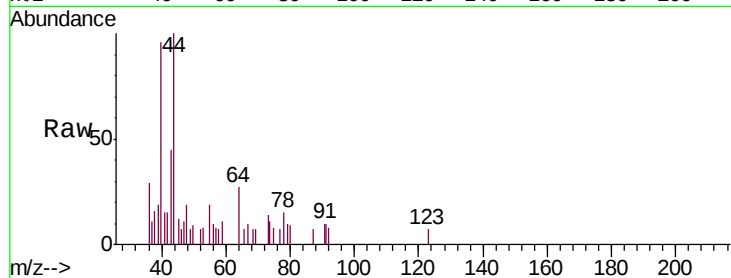
VBLK56

Tgt Ion: 43 Resp: 859

Ion Ratio Lower Upper

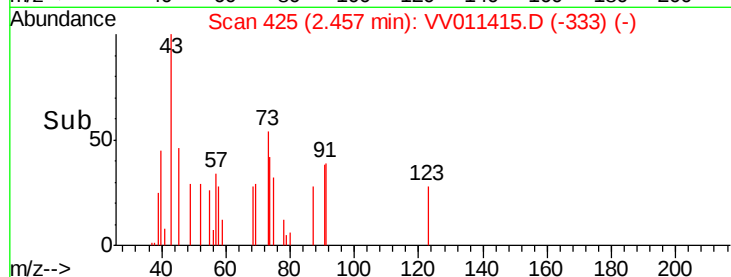
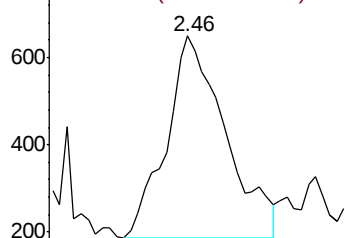
43 100

74 6.3 18.5 27.7#

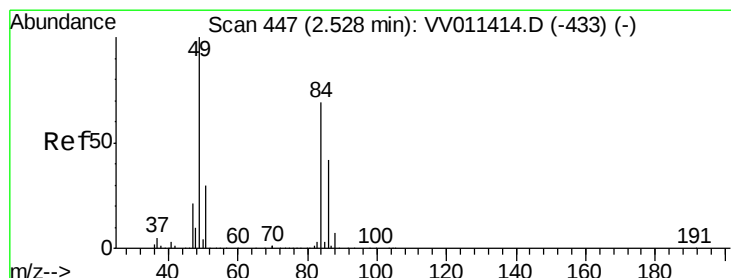


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



Time-->



#16

Methylene chloride

Concen: 0.174 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV011415.D

Acq: 12 Jun 2019 10:54

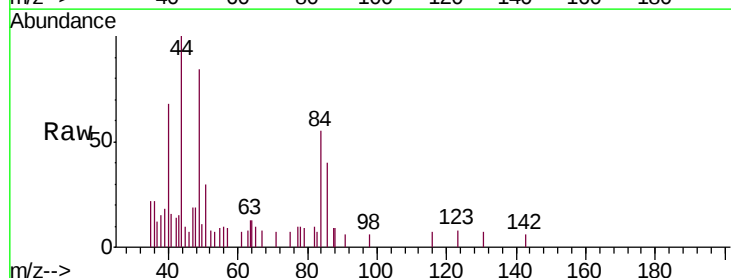
Tgt Ion: 84 Resp: 1662

Ion Ratio Lower Upper

84 100

86 72.5 44.9 83.3

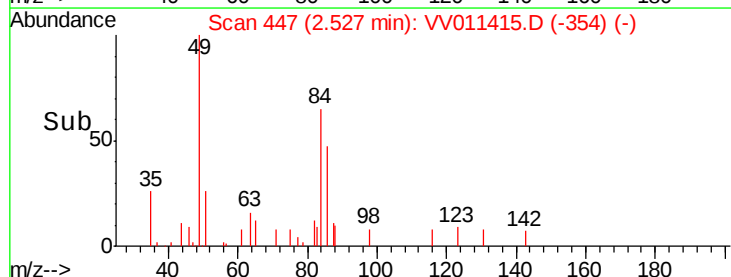
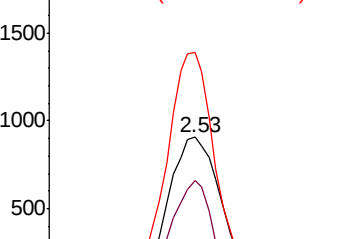
49 173.8 102.1 189.5



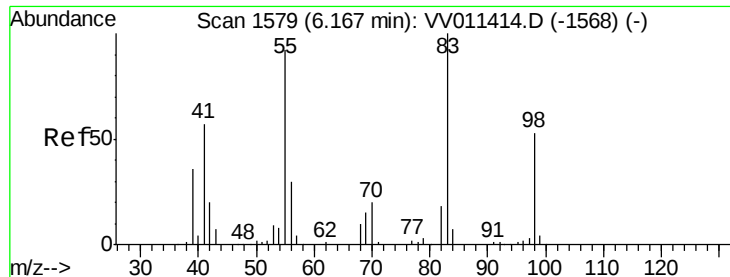
Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



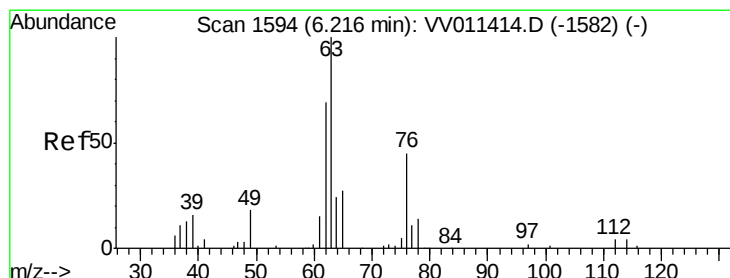
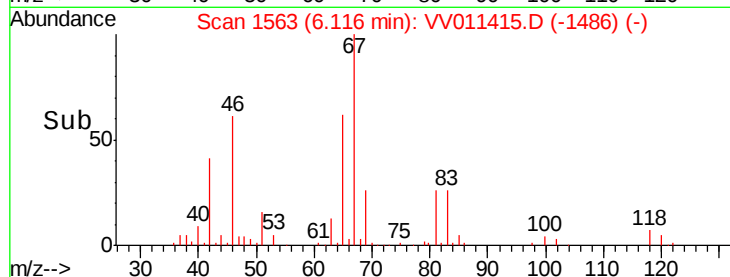
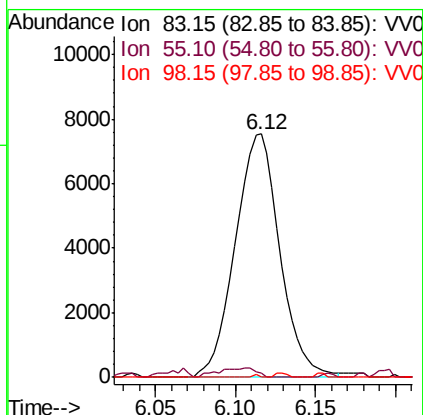
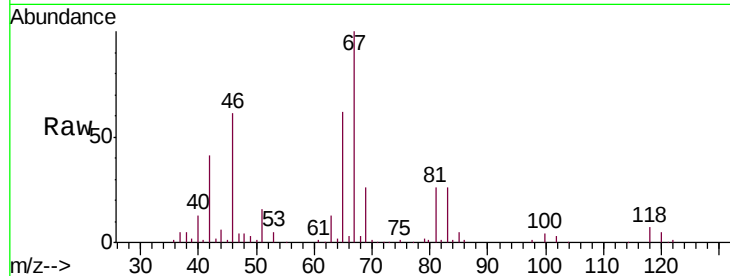
Time-->



#35
Methylcyclohexane
Concen: 0.760 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV011415.D
Acq: 12 Jun 2019 10:54

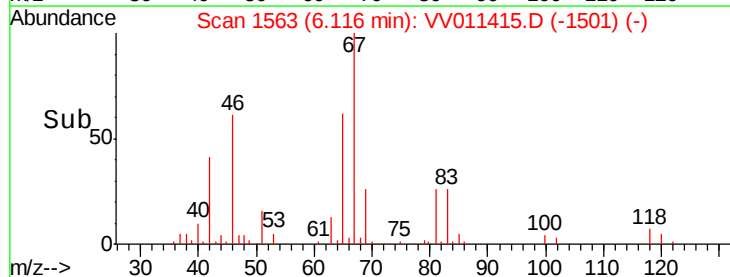
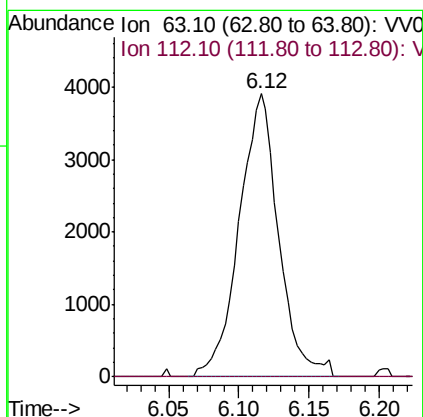
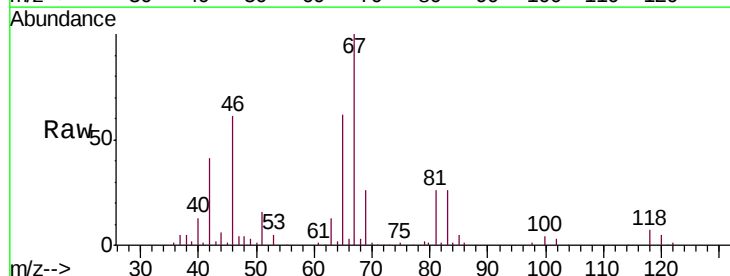
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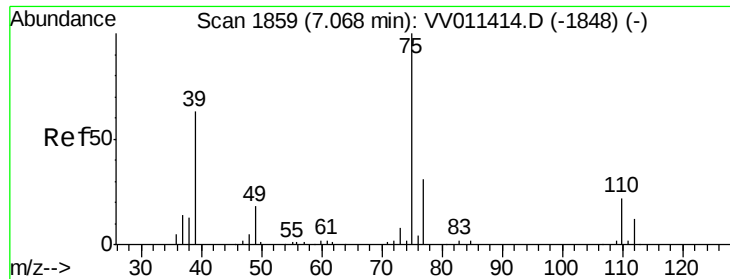
Tgt Ion: 83 Resp: 14337
Ion Ratio Lower Upper
83 100
55 3.4 67.0 100.6#
98 0.2 40.0 60.0#



#37
1,2-Dichloropropane
Concen: 0.696 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV011415.D
Acq: 12 Jun 2019 10:54

Tgt Ion: 63 Resp: 7652
Ion Ratio Lower Upper
63 100
112 0.2 3.6 5.4#

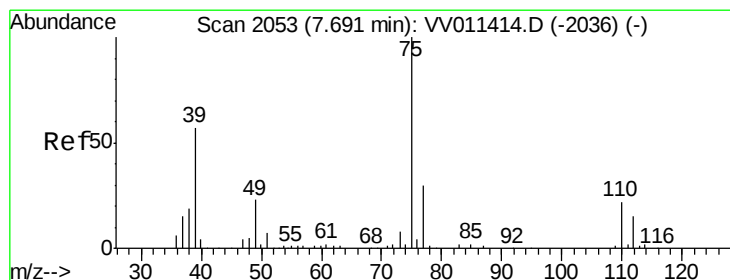
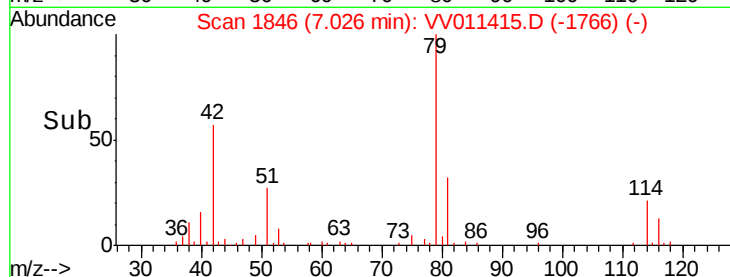
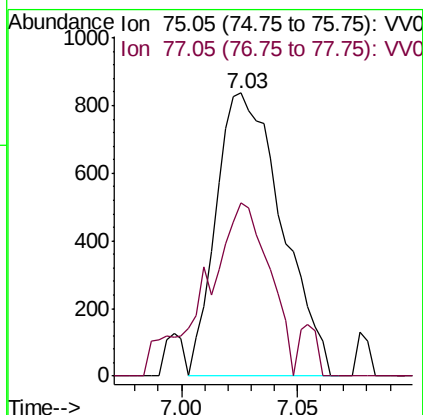
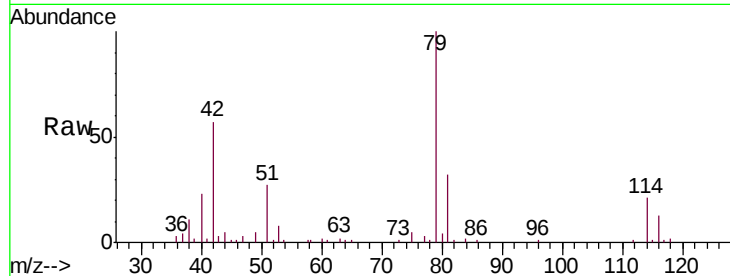




#39
 cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV011415.D
 Acq: 12 Jun 2019 10:54

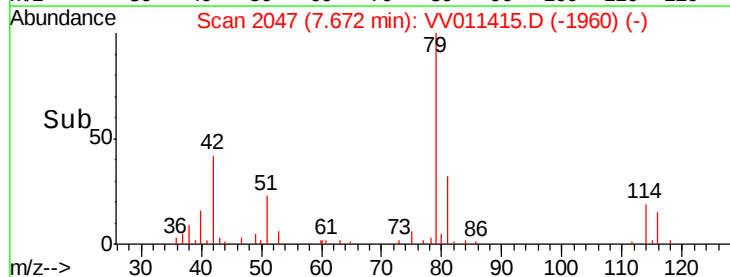
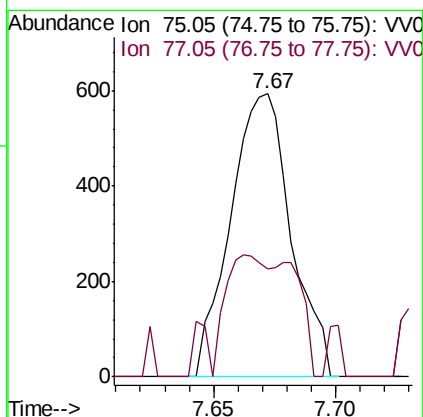
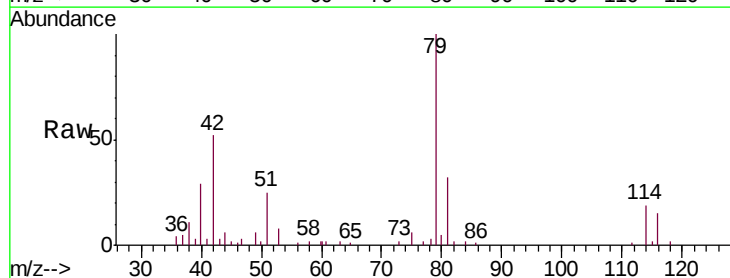
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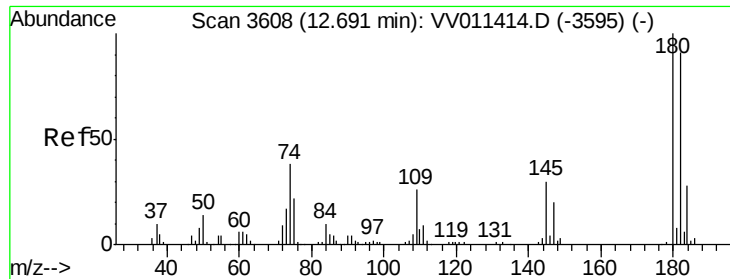
Tgt Ion: 75 Resp: 1653
 Ion Ratio Lower Upper
 75 100
 77 61.3 22.2 41.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.084 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.02 min
 Lab File: VV011415.D
 Acq: 12 Jun 2019 10:54

Tgt Ion: 75 Resp: 1021
 Ion Ratio Lower Upper
 75 100
 77 38.1 23.1 42.9

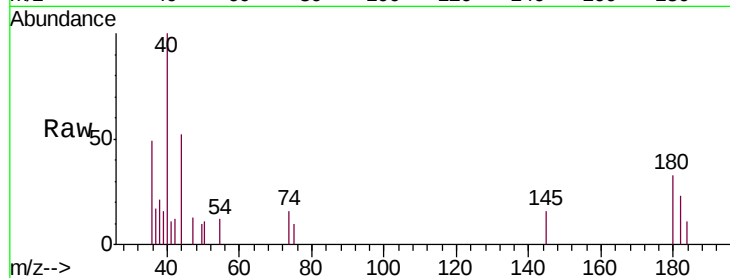




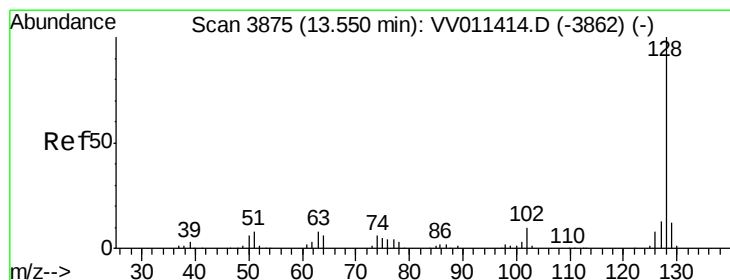
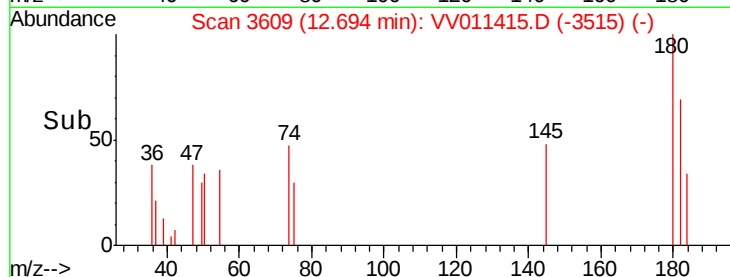
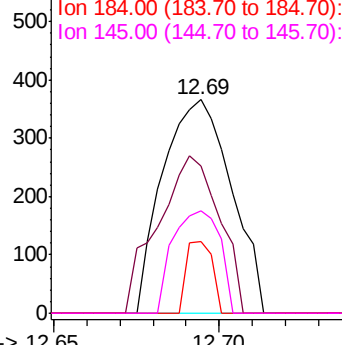
#67
 1,3,5-Trichlorobenzene
 Concen: 0.041 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV011415.D
 Acq: 12 Jun 2019 10:54

Instrument :
 MSVOA_V
 ClientSampled :
 VBLK56

Tgt Ion:180 Resp: 528
 Ion Ratio Lower Upper
 180 100
 182 65.7 76.7 115.1#
 184 12.7 23.8 35.8#
 145 32.8 24.2 36.2

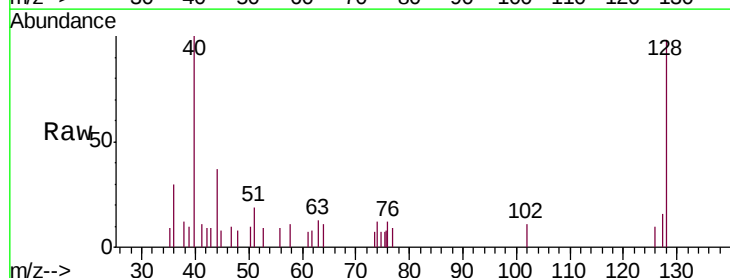


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

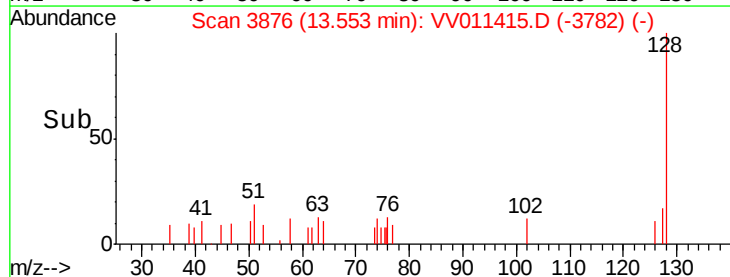
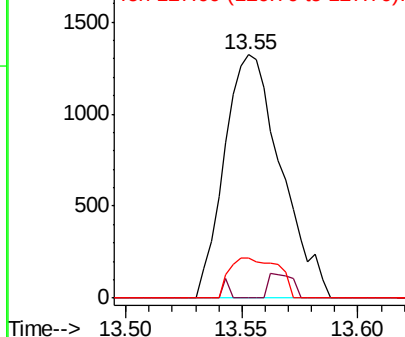


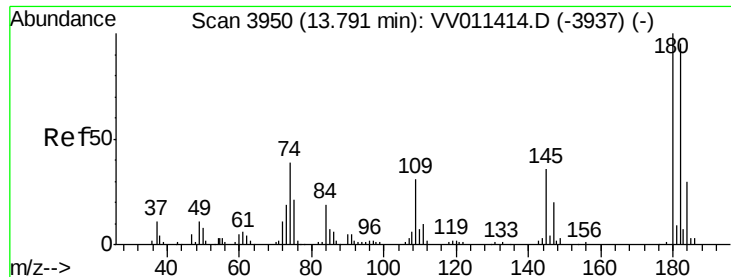
#69
 Naphthalene
 Concen: 0.139 ug/L
 RT: 13.55 min Scan# 3876
 Delta R.T. 0.00 min
 Lab File: VV011415.D
 Acq: 12 Jun 2019 10:54

Tgt Ion:128 Resp: 2242
 Ion Ratio Lower Upper
 128 100
 129 4.2 8.9 13.3#
 127 14.2 10.5 15.7



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





#70

1,2,3-Trichlorobenzene

Concen: 0.070 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VV011415.D

Acq: 12 Jun 2019 10:54

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VBLK56

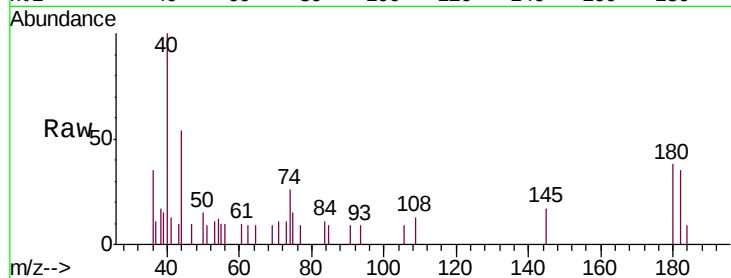
Tgt Ion:180 Resp: 622

Ion Ratio Lower Upper

180 100

182 99.7 78.6 117.8

145 34.9 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

