

Data File : VV011678.D
Acq On : 21 Jun 2019 12:22
Operator : SY/MD
Sample : K3381-12 50X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCM6

Quant Time: Jun 22 04:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	161353	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	148088	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	61161	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48929	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.58	69	34282	4.55	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.00%
11) 1,1-Dichloroethene-d2	2.13	63	142186	6.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	130.60%#
20) 2-Butanone-d5	3.95	46	164018	58.14	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.28%
24) Chloroform-d	4.40	84	93218	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.08	65	60009	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.09	84	208348	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.12	67	64177	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	177274	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
43) trans-1,3-Dichloropropene-	7.66	79	20617	4.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.80%
46) 2-Hexanone-d5	8.14	63	118963	57.02	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.04%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	46645	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	60133	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1863	0.122 ug/L	96
5) Vinyl chloride	1.32	62	28583	1.916 ug/L	86
6) Bromomethane	1.53	94	1377	0.212 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1018	0.093 ug/L #	32
12) 1,1-Dichloroethene	2.13	96	110650	11.081 ug/L #	83
16) Methylene chloride	2.53	84	1954	0.176 ug/L	90
18) trans-1,2-Dichloroethene	2.78	96	1834	0.156 ug/L	86
19) 1,1-Dichloroethane	3.22	63	275761	11.817 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	767774	59.511 ug/L	98
25) Chloroform	4.42	83	13761	0.537 ug/L	83
27) 1,2-Dichloroethane	5.18	62	6160	0.397 ug/L #	95
29) 1,1,1-Trichloroethane	4.65	97	93961	4.928 ug/L	99
31) Carbon tetrachloride	4.65	117	11816	0.733 ug/L	98
34) Trichloroethene	5.96	95	34285	2.633 ug/L	97
35) Methylcyclohexane	6.12	83	16007	0.762 ug/L #	15
37) 1,2-Dichloropropane	6.11	63	8396	0.674 ug/L #	88
44) trans-1,3-Dichloropropene	7.67	75	1245	0.103 ug/L #	79

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062219\
Quantitation Report (Not Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR062119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration

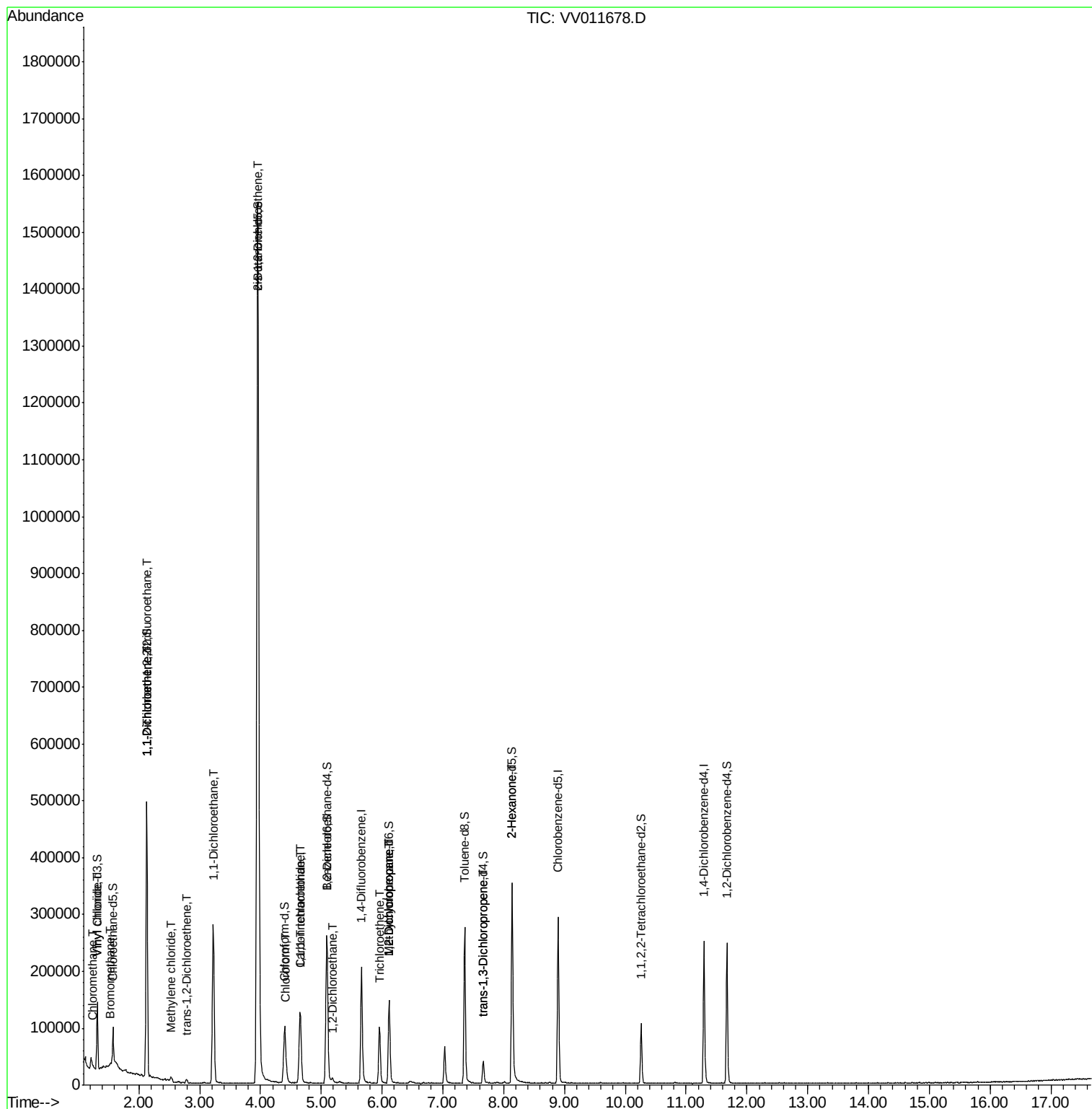
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
48) 2-Hexanone	8.14	43	16073	2.924	ug/L #	70
-----	-----	-----	-----	-----	-----	-----

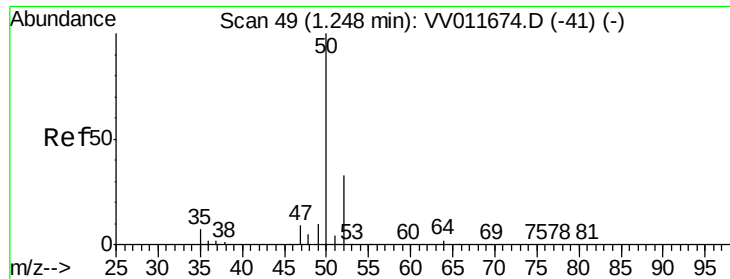
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 22 04:10:42 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.122 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

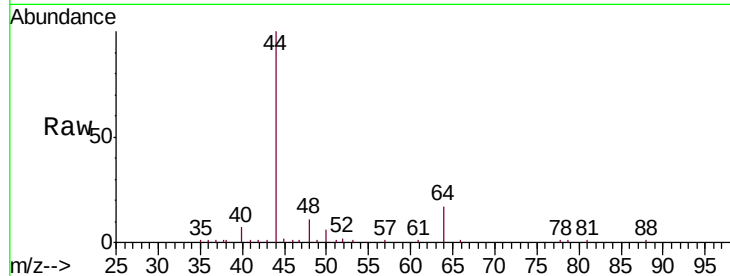
BFCM6

Tgt Ion: 50 Resp: 1863

Ion Ratio Lower Upper

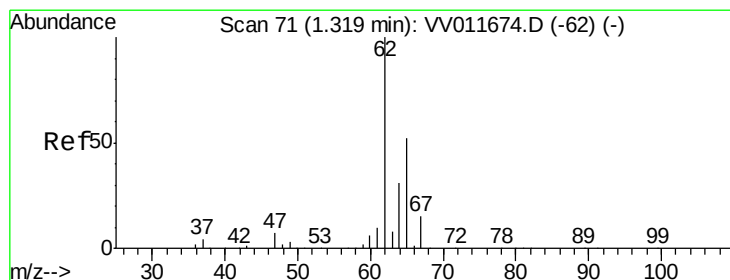
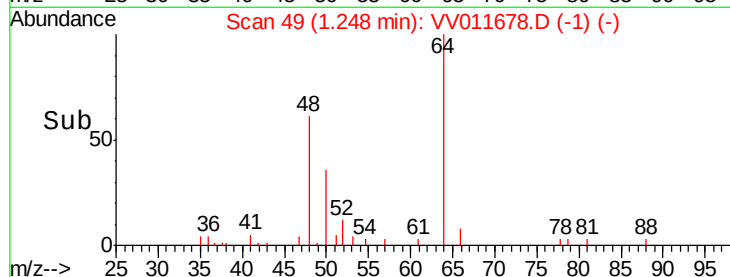
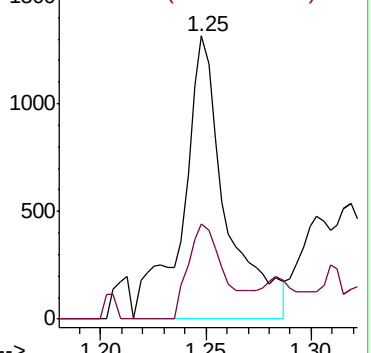
50 100

52 33.7 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VV011674.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV011678.D (-1) (-)



#5

Vinyl chloride

Concen: 1.916 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011678.D

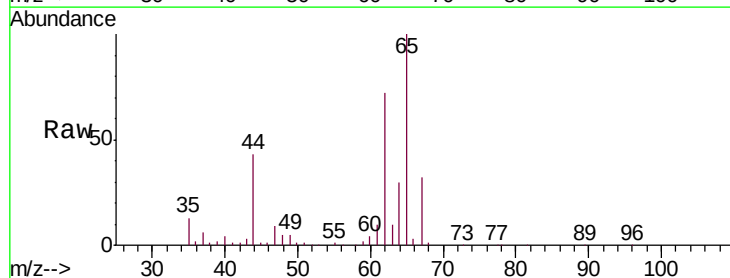
Acq: 21 Jun 2019 12:22

Tgt Ion: 62 Resp: 28583

Ion Ratio Lower Upper

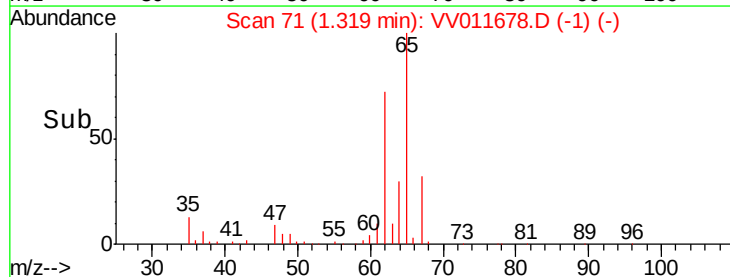
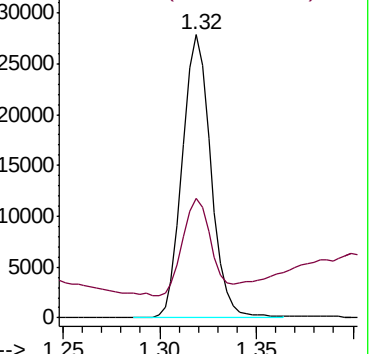
62 100

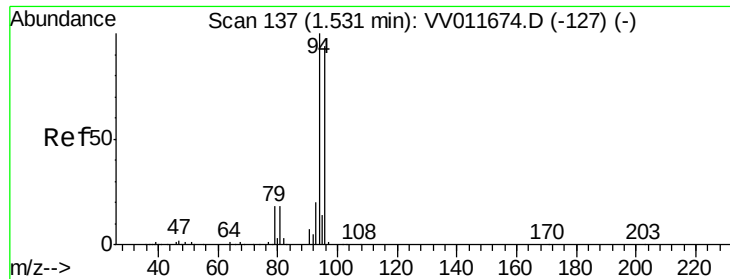
64 42.2 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV011674.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011678.D (-1) (-)





#6

Bromomethane

Concen: 0.212 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

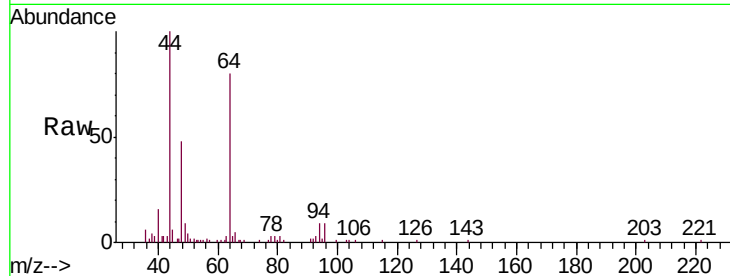
BFCM6

Tgt Ion: 94 Resp: 1377

Ion Ratio Lower Upper

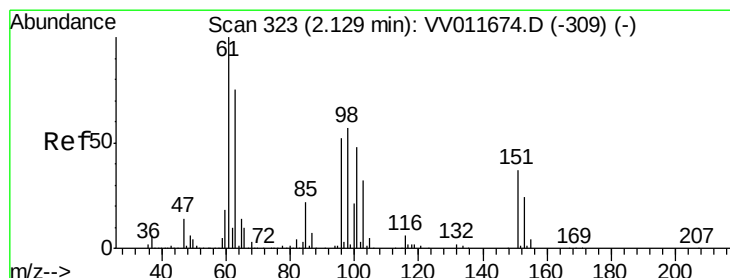
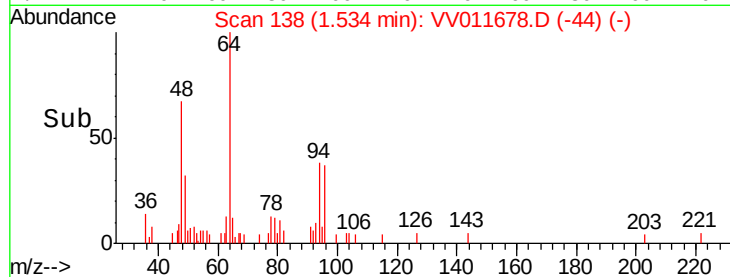
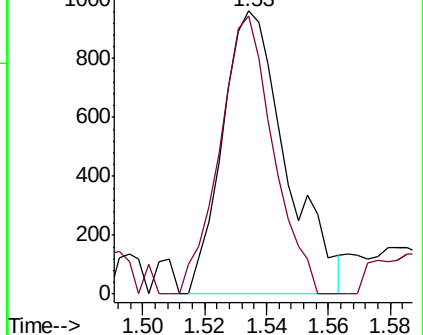
94 100

96 98.2 65.2 121.2



Abundance Ion 94.00 (93.70 to 94.70): VV011678.D (-127) (-)

Ion 96.00 (95.70 to 96.70): VV011678.D (-127) (-)



#10

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

Concen: 0.093 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

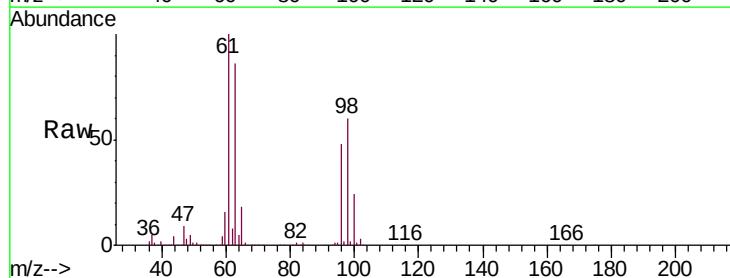
Tgt Ion: 101 Resp: 1018

Ion Ratio Lower Upper

101 100

85 15.0 35.9 53.9#

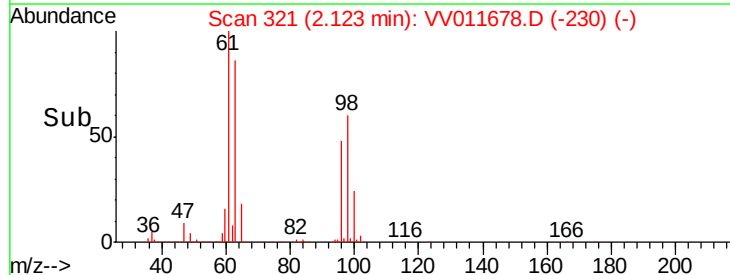
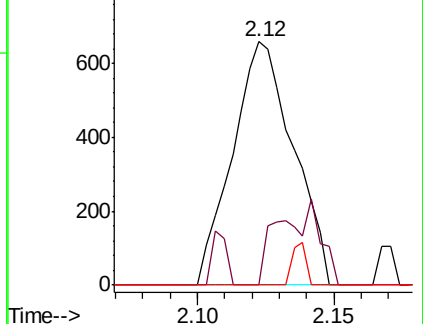
151 4.1 57.4 86.2#

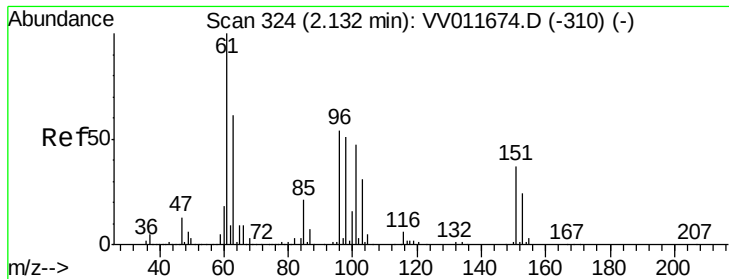


Abundance Ion 101.00 (100.70 to 101.70): VV011678.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV011678.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV011678.D (-309) (-)





#12

1,1-Dichloroethene

Concen: 11.081 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

BFCM6

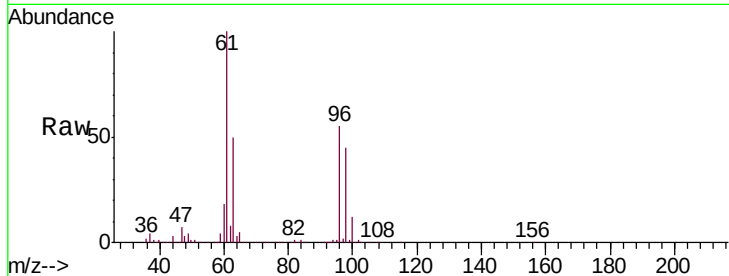
Tgt Ion: 96 Resp: 110650

Ion Ratio Lower Upper

96 100

61 182.1 131.5 244.1

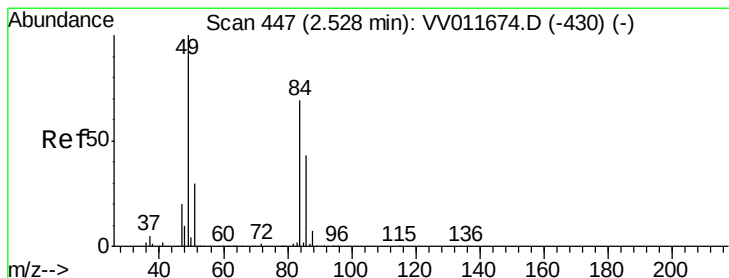
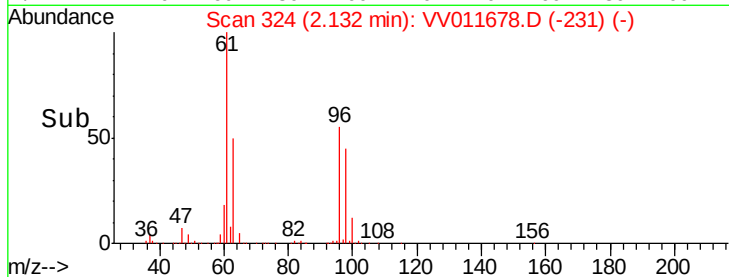
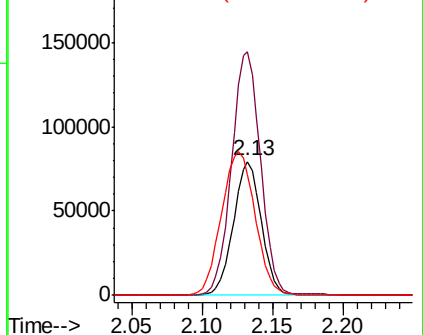
63 90.4 91.8 170.4#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 0.176 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

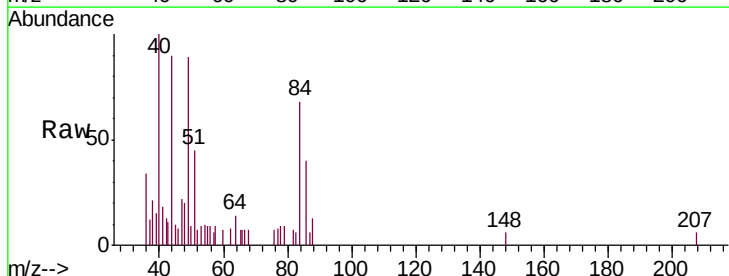
Tgt Ion: 84 Resp: 1954

Ion Ratio Lower Upper

84 100

86 58.8 44.9 83.5

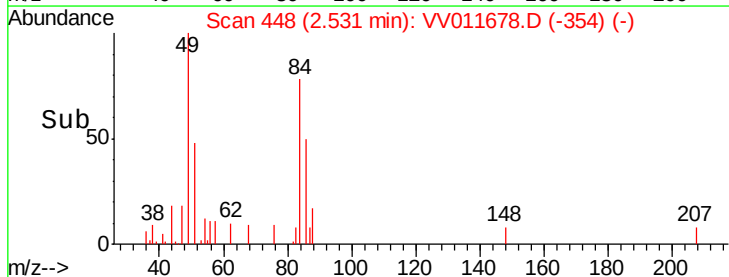
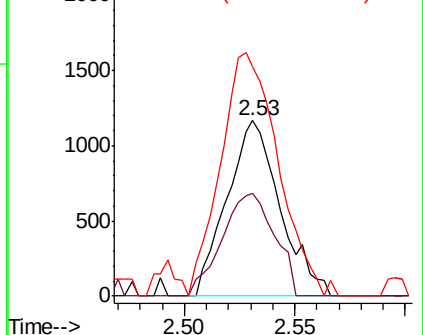
49 130.8 101.4 188.2

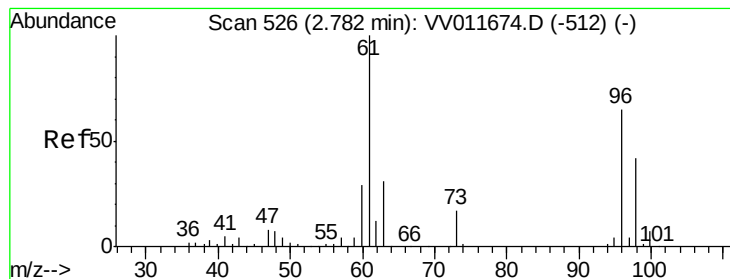


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.156 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

BFCM6

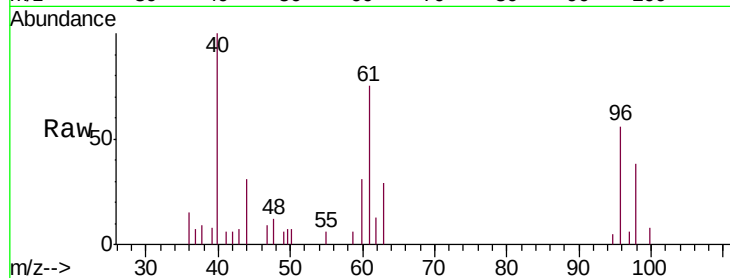
Tgt Ion: 96 Resp: 1834

Ion Ratio Lower Upper

96 100

61 133.0 109.3 203.1

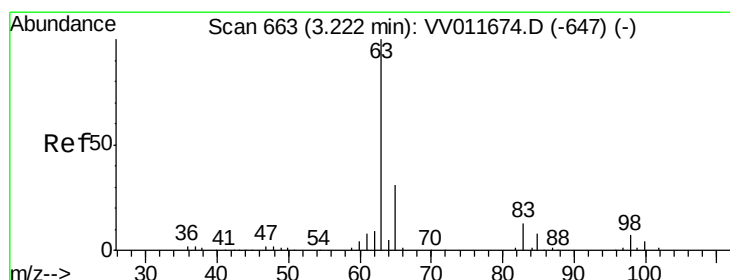
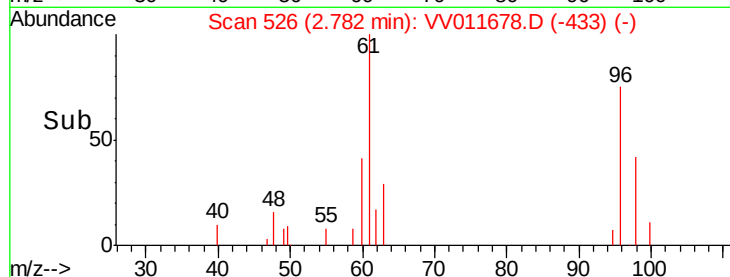
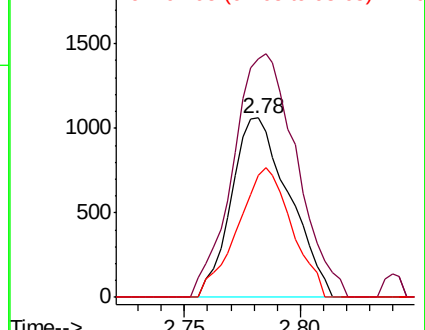
98 67.8 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0



#19

1,1-Dichloroethane

Concen: 11.817 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

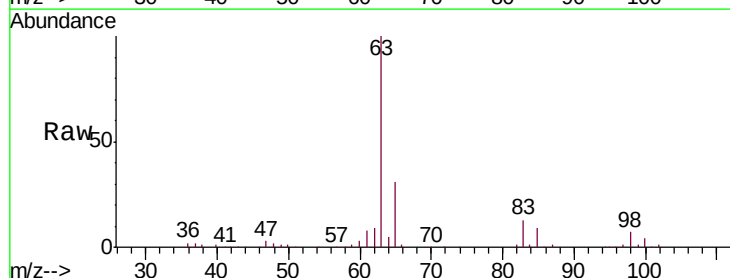
Tgt Ion: 63 Resp: 275761

Ion Ratio Lower Upper

63 100

65 30.8 23.0 42.8

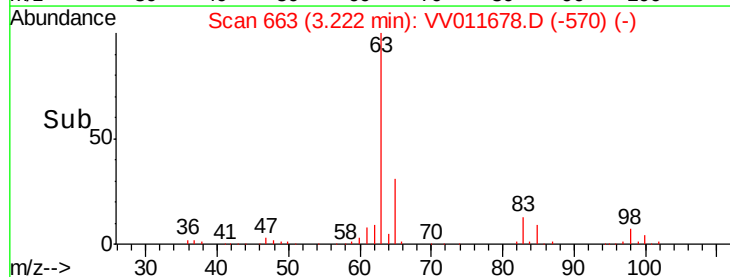
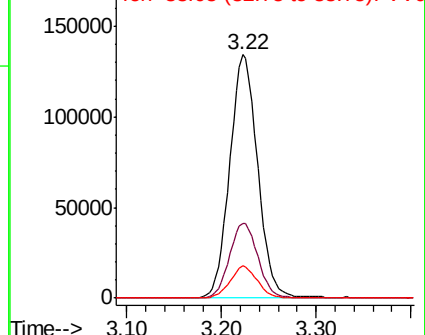
83 13.1 9.5 17.7

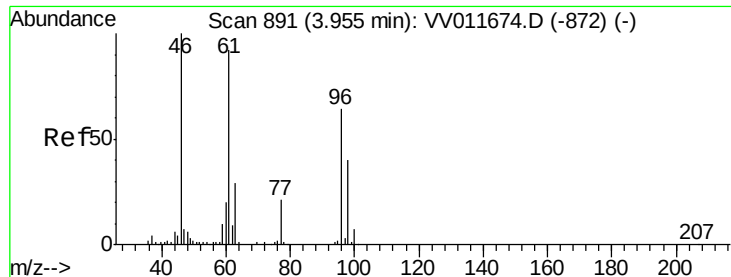


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



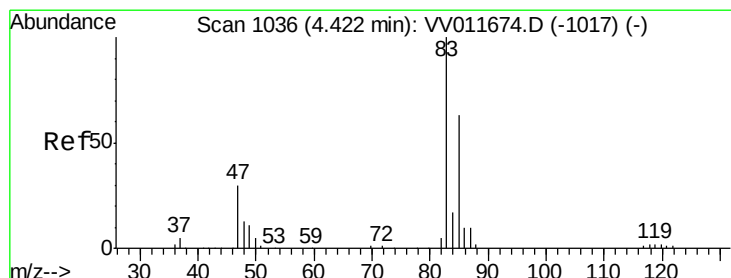
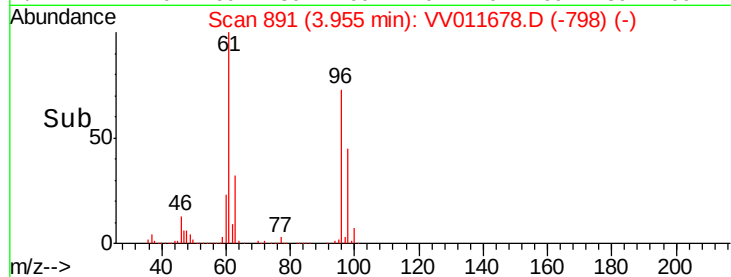
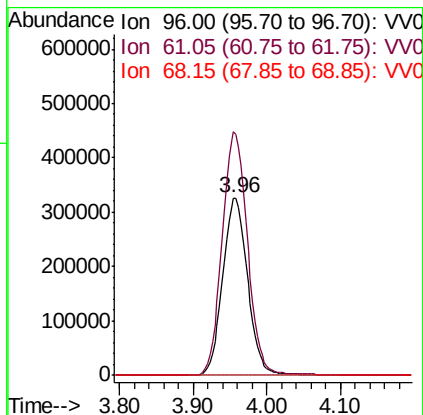
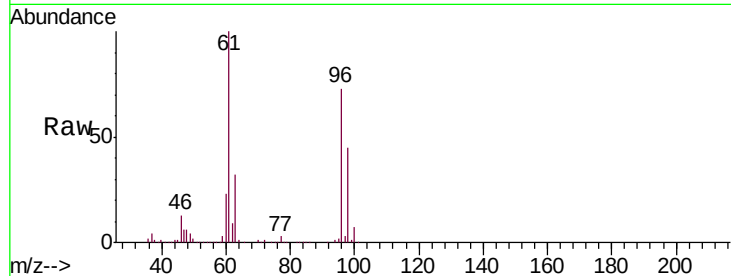


#22

cis-1,2-Dichloroethene
Concen: 59.511 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV011678.D
Acq: 21 Jun 2019 12:22

Instrument :
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ClientSampleId :
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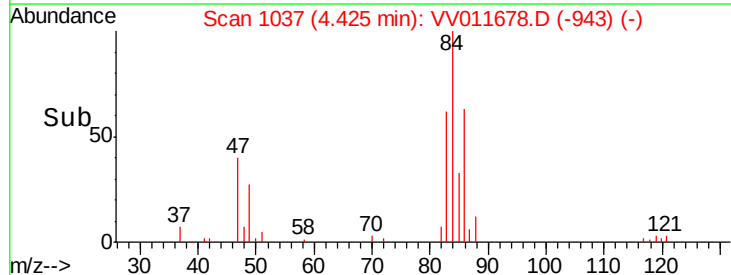
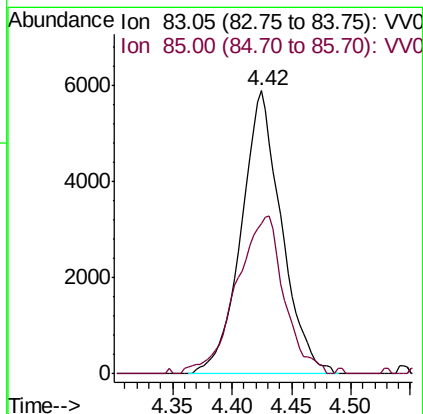
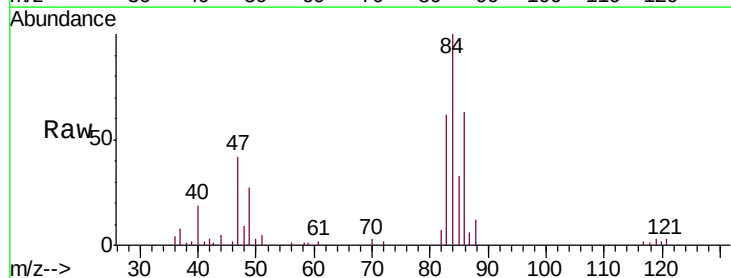
Tgt Ion: 96 Resp: 767774
Ion Ratio Lower Upper
96 100
61 137.5 97.9 181.7
68 0.0 0.0 0.0

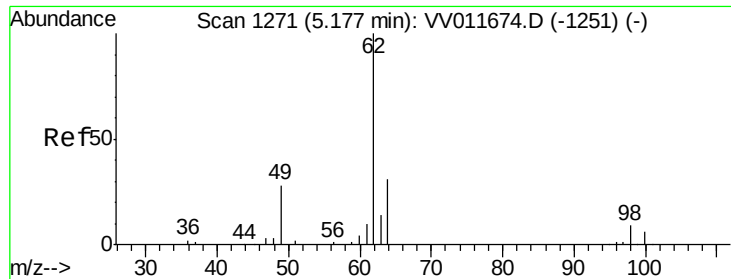


#25

Chloroform
Concen: 0.537 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011678.D
Acq: 21 Jun 2019 12:22

Tgt Ion: 83 Resp: 13761
Ion Ratio Lower Upper
83 100
85 53.2 47.0 87.2

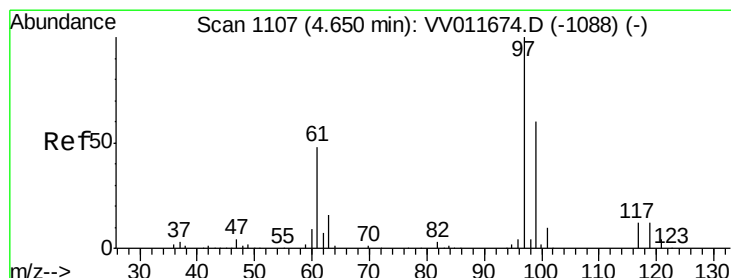
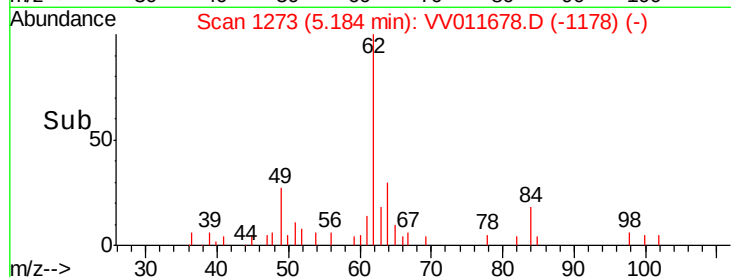
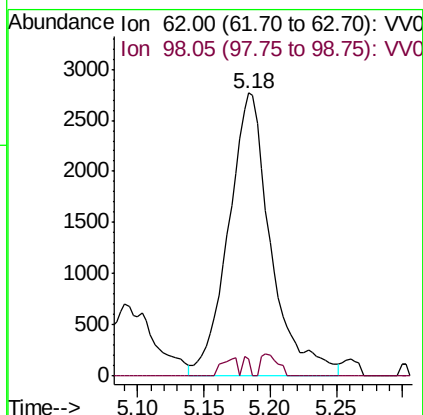
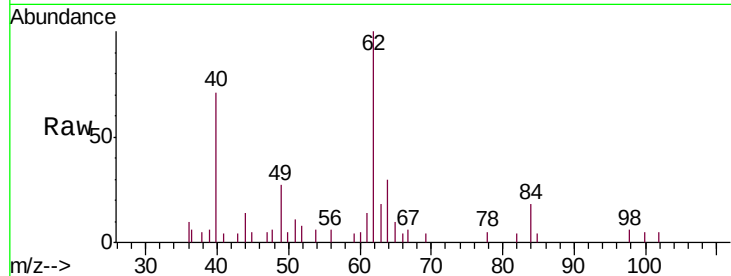




#27
 1,2-Dichloroethane
 Concen: 0.397 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.01 min
 Lab File: VV011678.D
 Acq: 21 Jun 2019 12:22

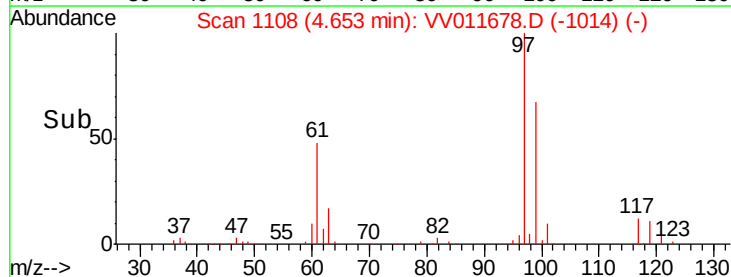
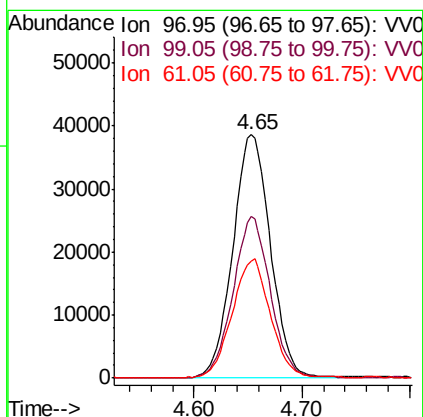
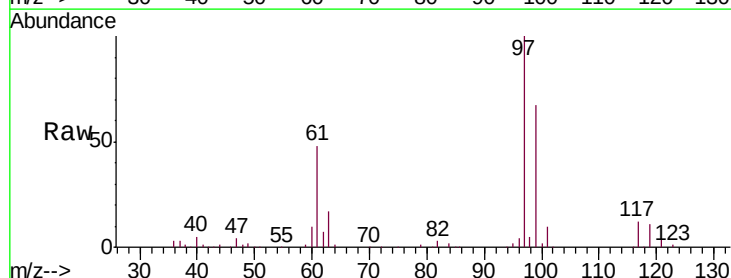
Instrument :
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 BFCM6

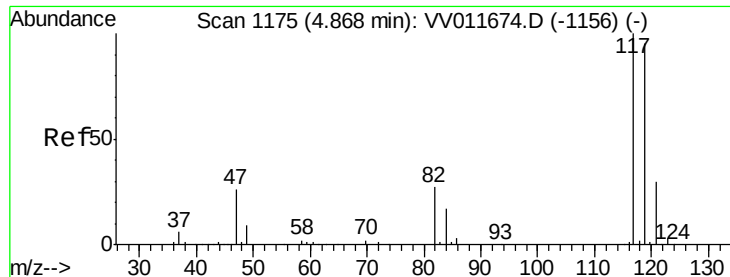
Tgt Ion: 62 Resp: 6160
 Ion Ratio Lower Upper
 62 100
 98 6.0 6.2 9.4#



#29
 1,1,1-Trichloroethane
 Concen: 4.928 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011678.D
 Acq: 21 Jun 2019 12:22

Tgt Ion: 97 Resp: 93961
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.6 77.4
 61 49.9 39.8 59.6





#31

Carbon tetrachloride

Concen: 0.733 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.22 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampled :

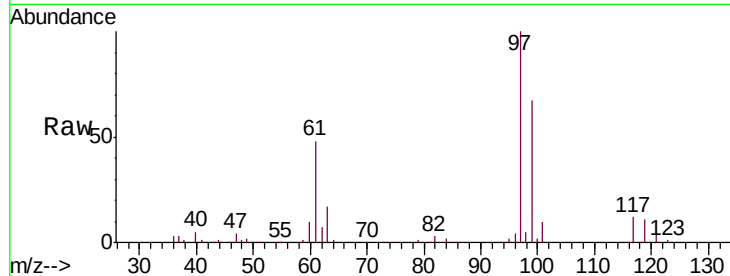
BFCM6

Tgt Ion:117 Resp: 11816

Ion Ratio Lower Upper

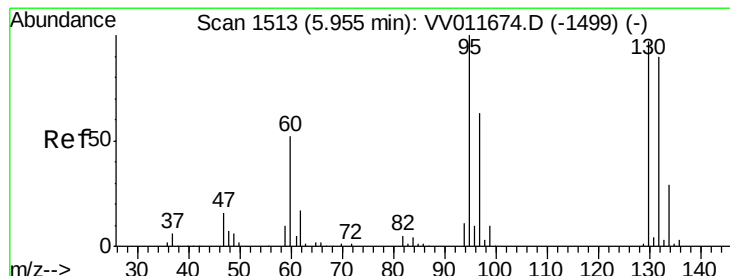
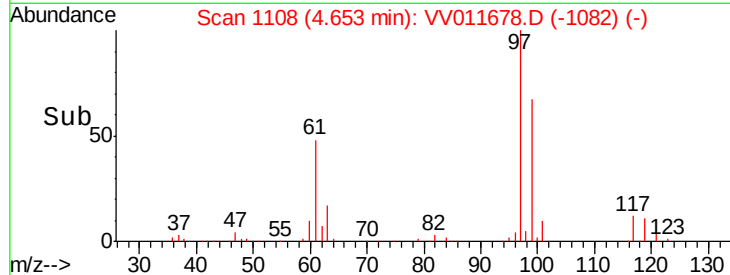
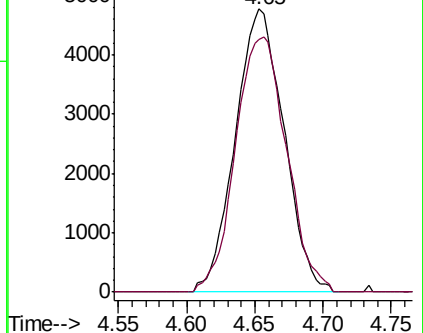
117 100

119 94.6 77.1 115.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 2.633 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Tgt Ion: 95 Resp: 34285

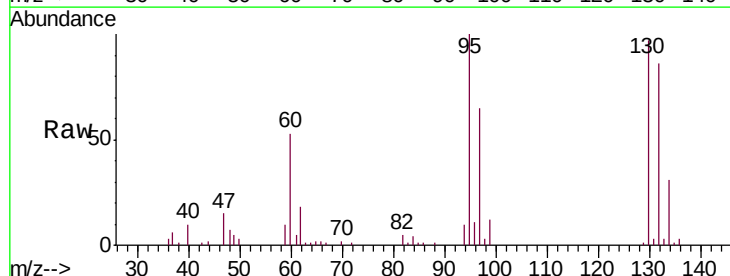
Ion Ratio Lower Upper

95 100

97 64.5 44.4 82.5

132 86.3 65.0 120.6

130 96.8 67.1 124.7

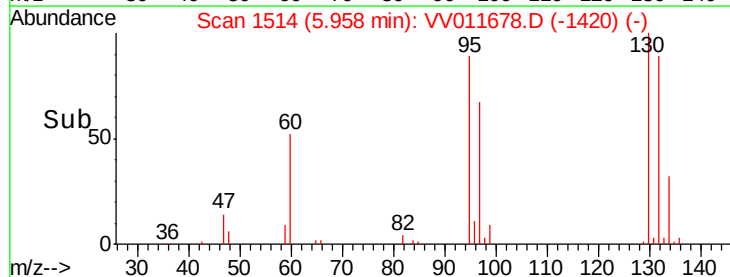
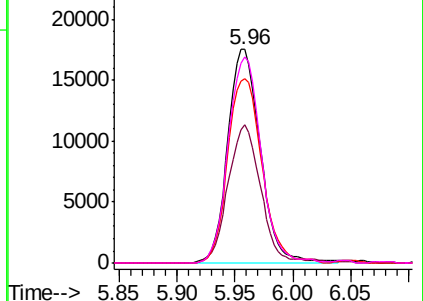


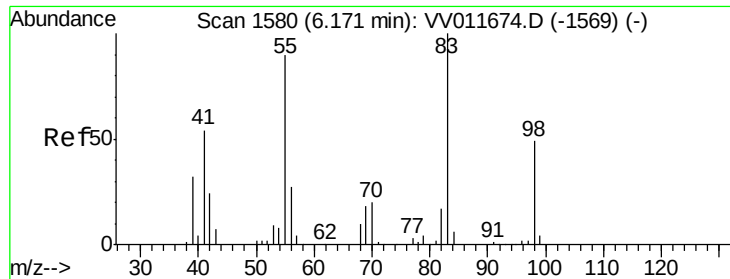
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0





#35

Methylcyclohexane

Concen: 0.762 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

BFCM6

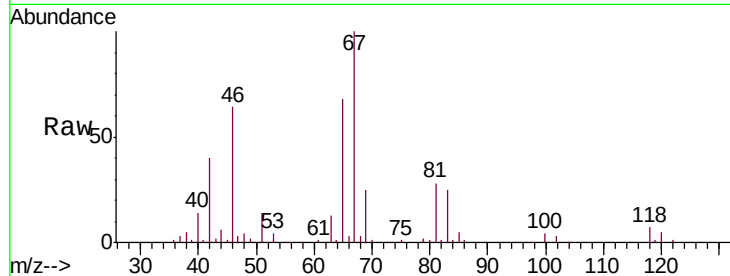
Tgt Ion: 83 Resp: 16007

Ion Ratio Lower Upper

83 100

55 0.9 69.4 104.2#

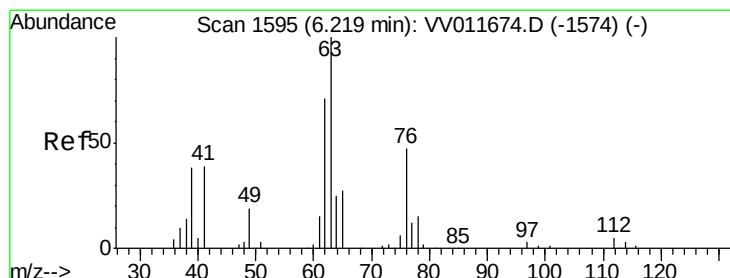
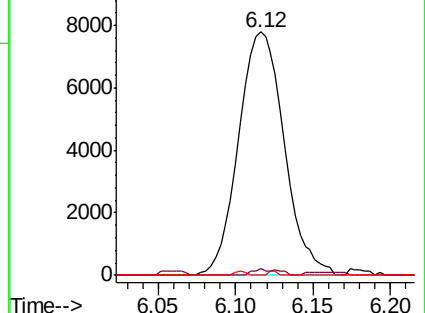
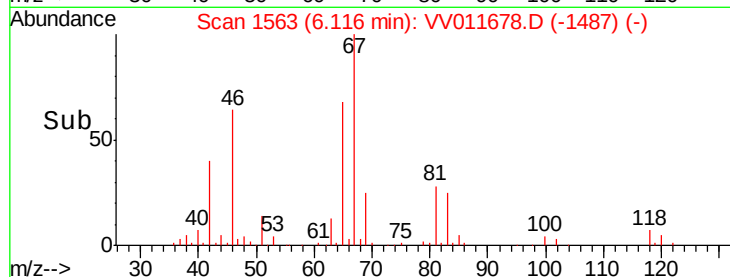
98 0.3 40.2 60.4#



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: 0.674 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV011678.D

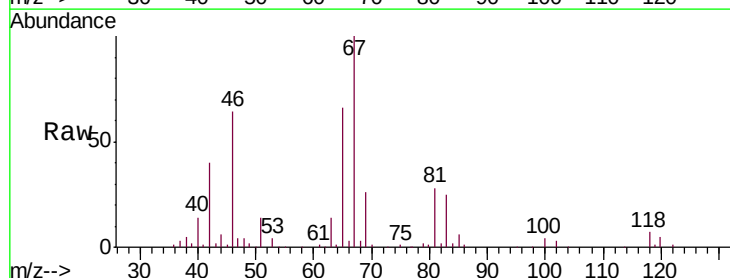
Acq: 21 Jun 2019 12:22

Tgt Ion: 63 Resp: 8396

Ion Ratio Lower Upper

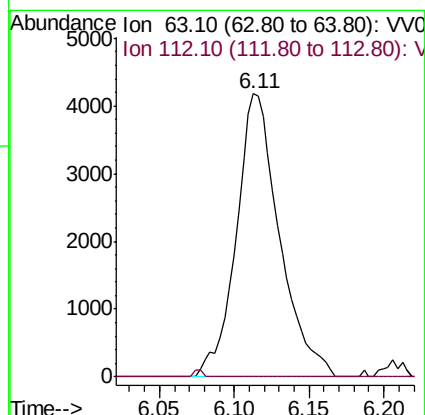
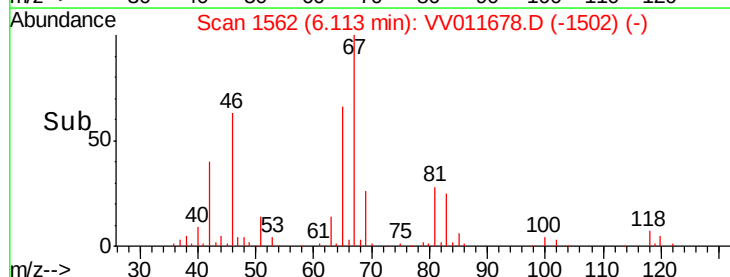
63 100

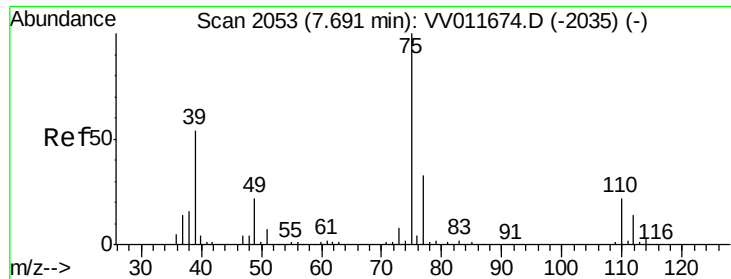
112 0.5 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.103 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Instrument :

MSVOA_V

ClientSampleId :

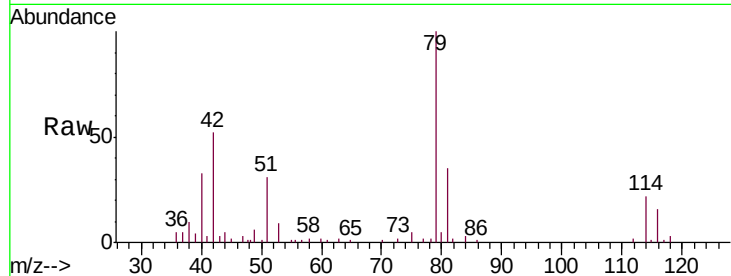
BFCM6

Tgt Ion: 75 Resp: 1245

Ion Ratio Lower Upper

75 100

77 44.1 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

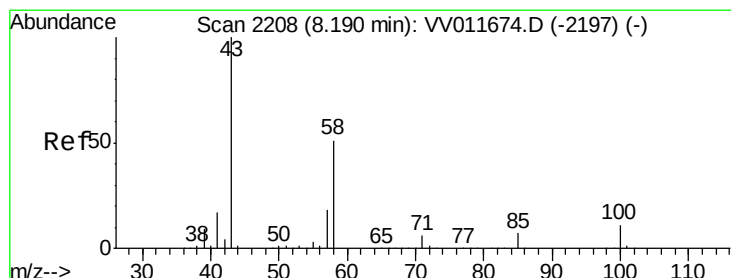
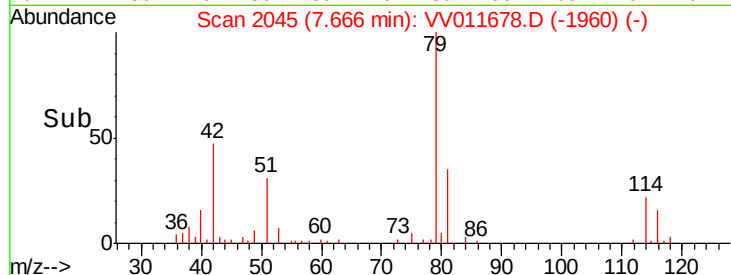
600

400

200

0

Time--> 7.60 7.65 7.70



#48

2-Hexanone

Concen: 2.924 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV011678.D

Acq: 21 Jun 2019 12:22

Tgt Ion: 43 Resp: 16073

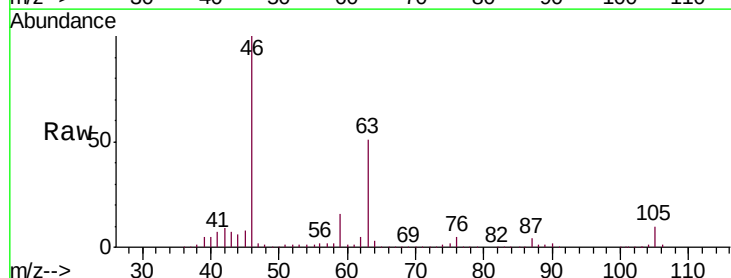
Ion Ratio Lower Upper

43 100

58 27.6 40.1 60.1#

57 30.2 14.4 21.6#

100 2.2 8.6 12.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

8.14

10000

5000

0

Time--> 8.10 8.15 8.20

