

Data File : VV011608.D
Acq On : 19 Jun 2019 06:47
Operator : SY/MD
Sample : K3381-02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCM3

Quant Time: Jun 19 07:55:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 07:50:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	169415	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	153719	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58669	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48387	3.79	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.80%
7) Chloroethane-d5	1.57	69	32892	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.12	63	81512	3.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.00%
20) 2-Butanone-d5	3.95	46	186915	51.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.86%
24) Chloroform-d	4.40	84	106538	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.08	65	65854	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	5.09	84	205458	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.12	67	67293	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.36	98	167048	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
43) trans-1,3-Dichloropropene-	7.66	79	16119	3.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.60%
46) 2-Hexanone-d5	8.14	63	125977	45.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47788	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	54089	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	1693	0.112 ug/L	94
3) Chloromethane	1.25	50	1489	0.091 ug/L	100
5) Vinyl chloride	1.32	62	364089	22.519 ug/L	99
8) Chloroethane	1.42	64	5873	0.750 ug/L #	55
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1016	0.100 ug/L #	37
12) 1,1-Dichloroethene	2.13	96	16234	1.541 ug/L #	55
13) Acetone	2.21	43	5256	2.167 ug/L	91
15) Methyl Acetate	2.36	43	1202	0.187 ug/L #	63
18) trans-1,2-Dichloroethene	2.78	96	34643	2.908 ug/L	99
19) 1,1-Dichloroethane	3.22	63	421321	17.095 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1353969	100.316 ug/L	97
25) Chloroform	4.43	83	3252	0.131 ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	16730	0.875 ug/L	97
34) Trichloroethene	5.96	95	220750	17.241 ug/L	98
35) Methylcyclohexane	6.12	83	16442	0.901 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	8793	0.658 ug/L #	88
42) Toluene	7.43	91	3775	0.073 ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061919\
Quantitation Report (Not Reviewed)

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 07:50:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	8.02	164	68615	7.515	ug/L	97
48) 2-Hexanone	8.14	43	18030	2.692	ug/L #	77
49) Dibromochloromethane	8.02	129	64363	7.180	ug/L #	12

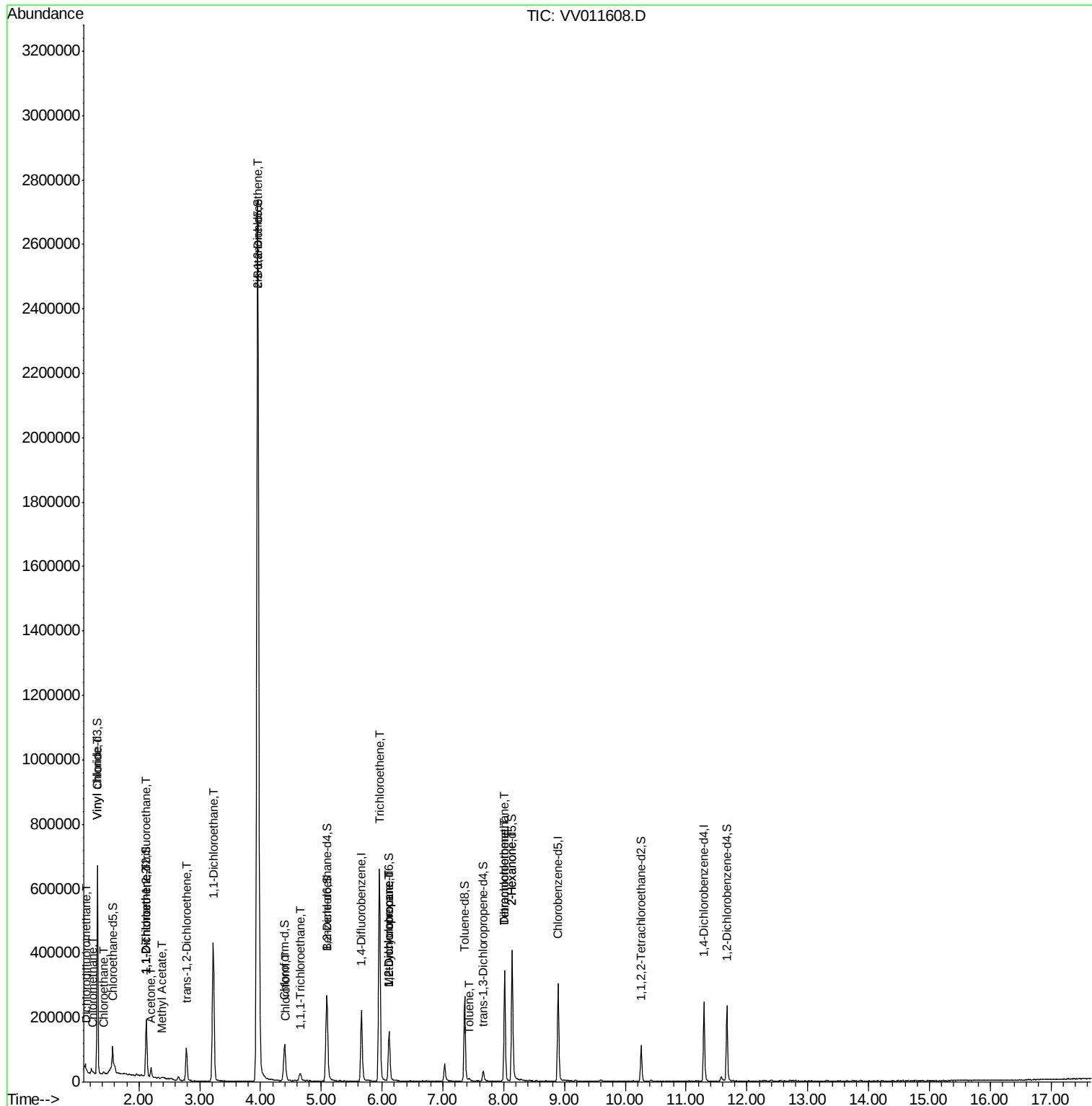
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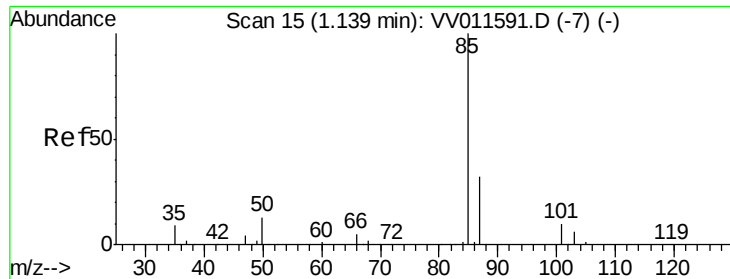
Data File : VV011608.D

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Acq On       : 19 Jun 2019   06:47
Operator     : SY/MD
Sample       : K3381-02
Misc         : 25ML/MSVOA_V/WATER
ALS Vial     : 42      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
BFCM3

Quant Time: Jun 19 07:55:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 07:50:26 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.112 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

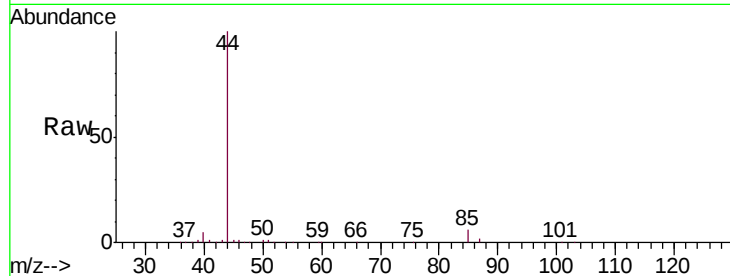
BFCM3

Tgt Ion: 85 Resp: 1693

Ion Ratio Lower Upper

85 100

87 35.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV011591.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011591.D (-7) (-)

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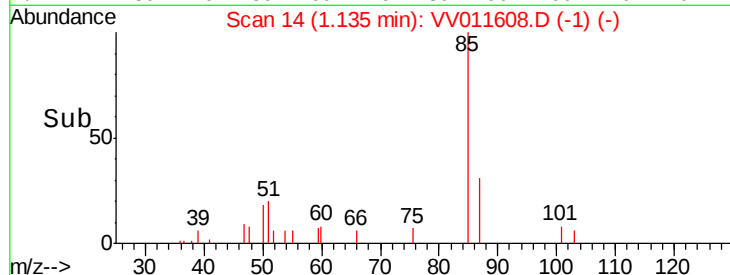
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Abundance Ion 85.00 (84.70 to 85.70): VV011608.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV011608.D (-1) (-)

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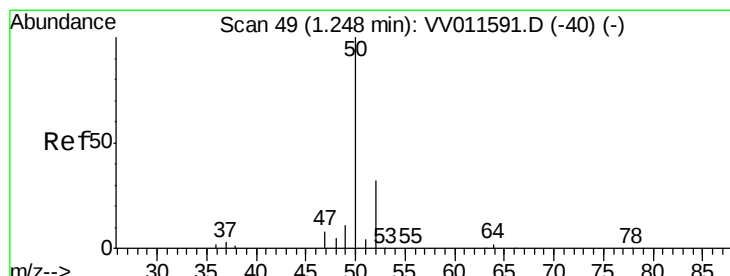
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#3

Chloromethane

Concen: 0.091 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011608.D

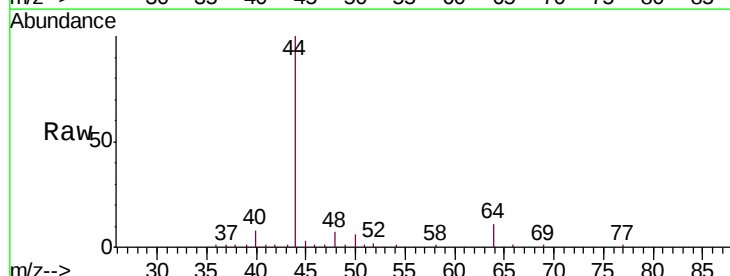
Acq: 19 Jun 2019 06:47

Tgt Ion: 50 Resp: 1489

Ion Ratio Lower Upper

50 100

52 32.5 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV011591.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV011591.D (-40) (-)

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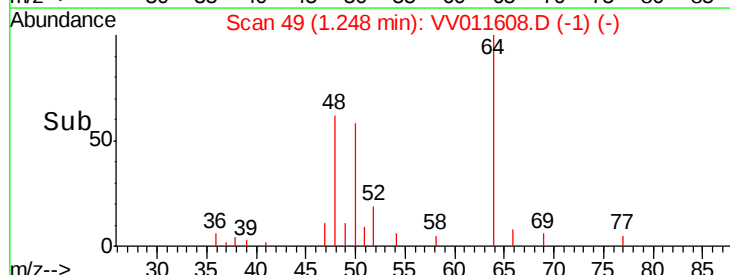
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Abundance Ion 50.05 (49.75 to 50.75): VV011608.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV011608.D (-1) (-)

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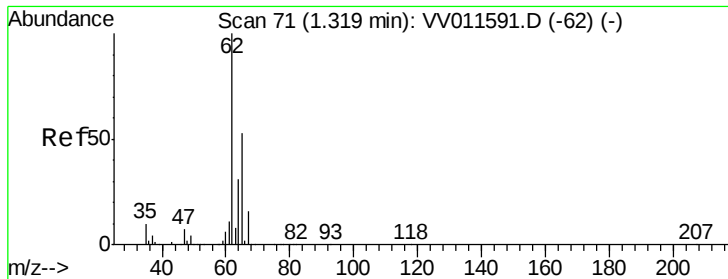
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#5

Vinyl chloride

Concen: 22.519 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

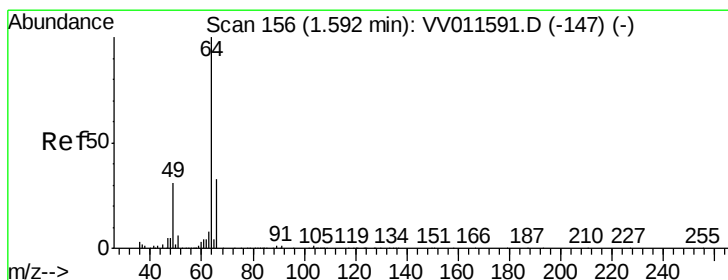
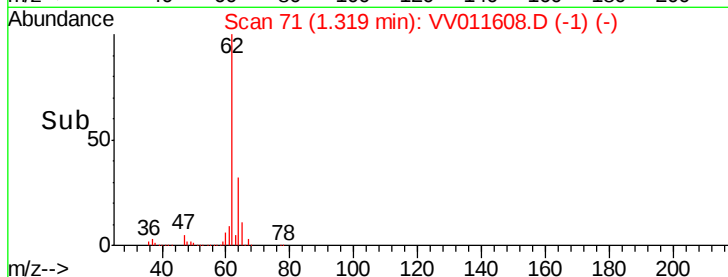
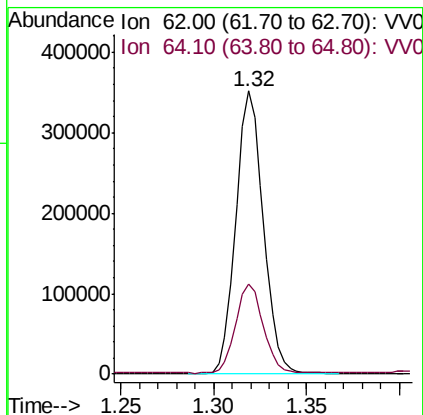
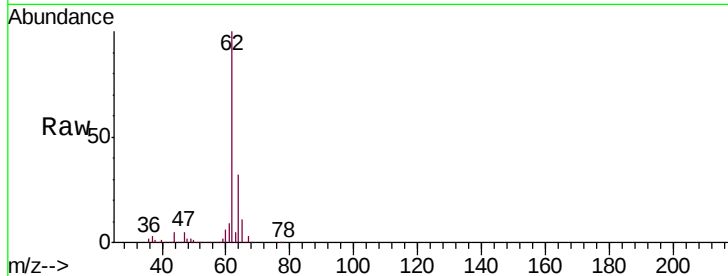
BFCM3

Tgt Ion: 62 Resp: 364089

Ion Ratio Lower Upper

62 100

64 32.0 23.0 42.6



#8

Chloroethane

Concen: 0.750 ug/L

RT: 1.42 min Scan# 101

Delta R.T. -0.18 min

Lab File: VV011608.D

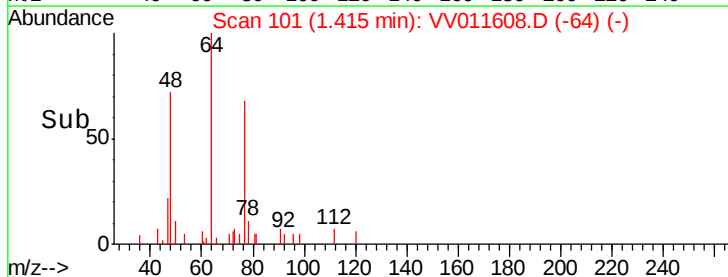
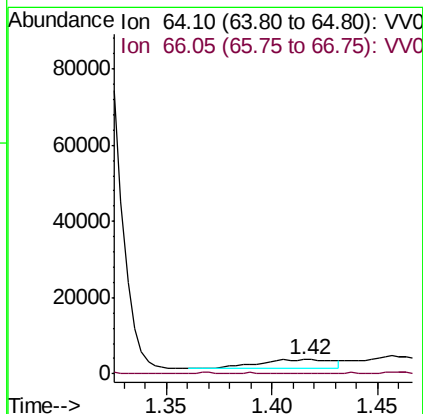
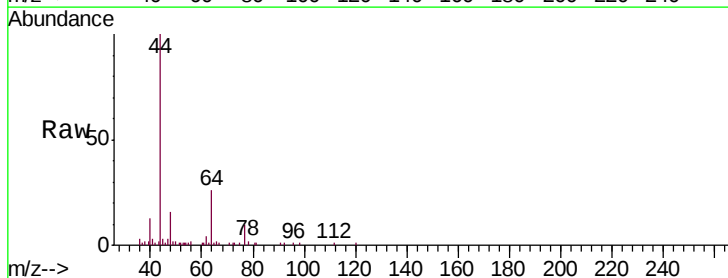
Acq: 19 Jun 2019 06:47

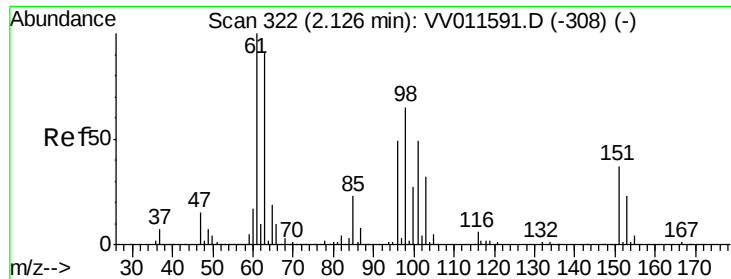
Tgt Ion: 64 Resp: 5873

Ion Ratio Lower Upper

64 100

66 6.1 21.6 40.2#





#10

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

Concen: 0.100 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

BFCM3

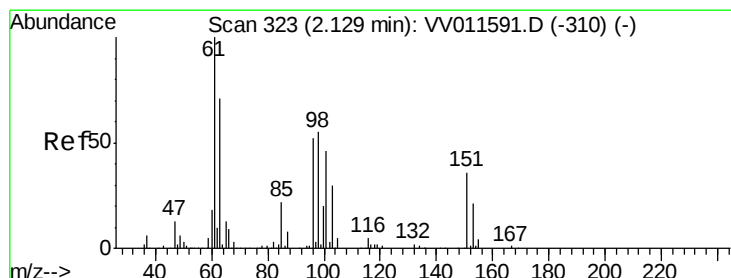
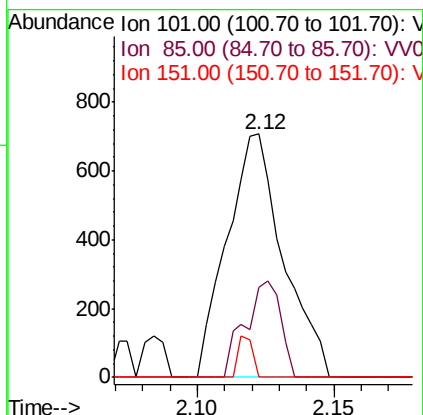
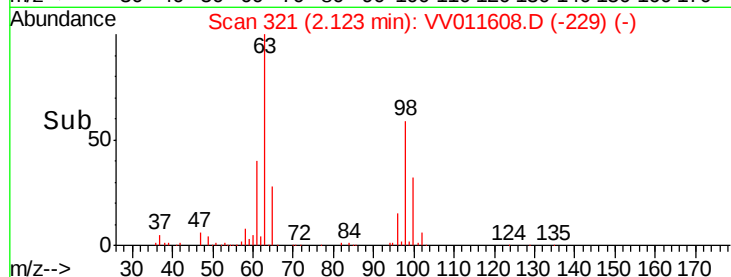
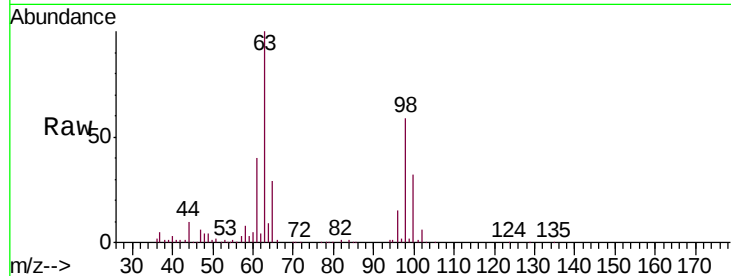
Tgt Ion: 101 Resp: 1016

Ion Ratio Lower Upper

101 100

85 25.0 37.3 55.9#

151 4.3 59.4 89.2#



#12

1,1-Dichloroethene

Concen: 1.541 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

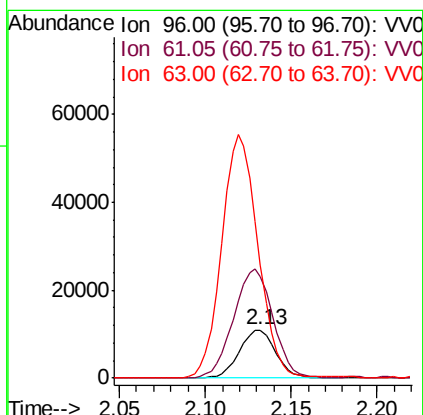
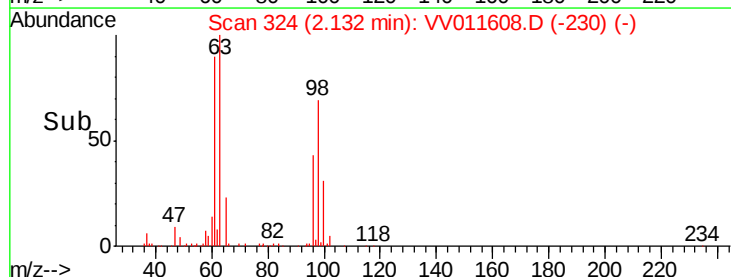
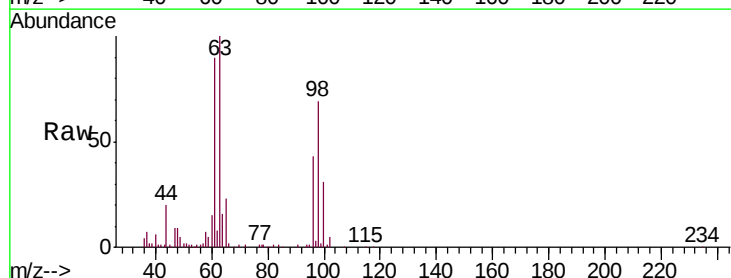
Tgt Ion: 96 Resp: 16234

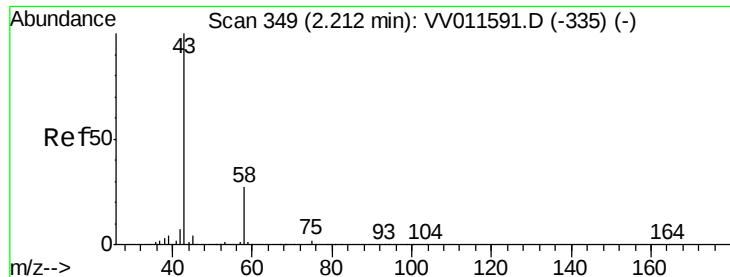
Ion Ratio Lower Upper

96 100

61 211.1 135.9 252.5

63 234.2 86.2 160.2#





#13

Acetone

Concen: 2.167 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampled :

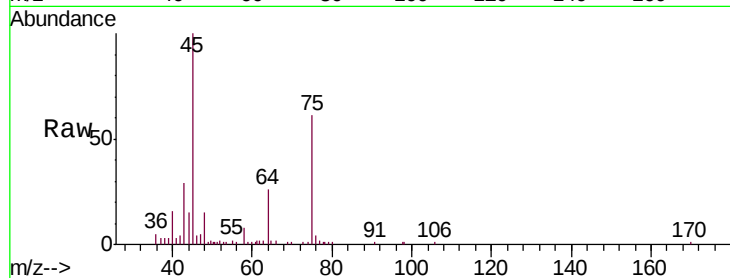
BFCM3

Tgt Ion: 43 Resp: 5256

Ion Ratio Lower Upper

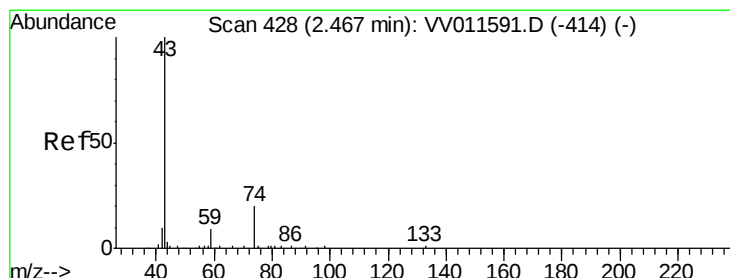
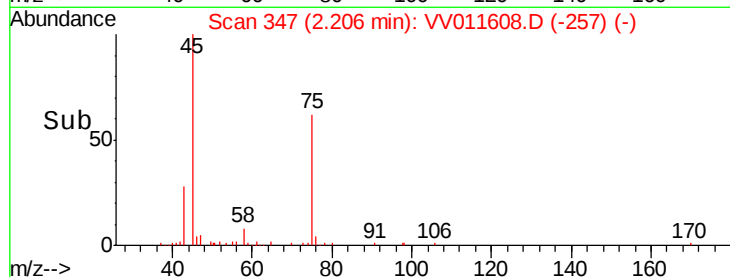
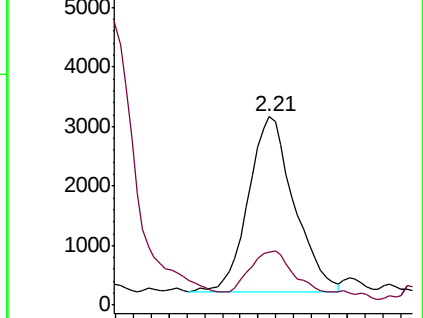
43 100

58 24.3 0.0 57.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 0.187 ug/L

RT: 2.36 min Scan# 396

Delta R.T. -0.10 min

Lab File: VV011608.D

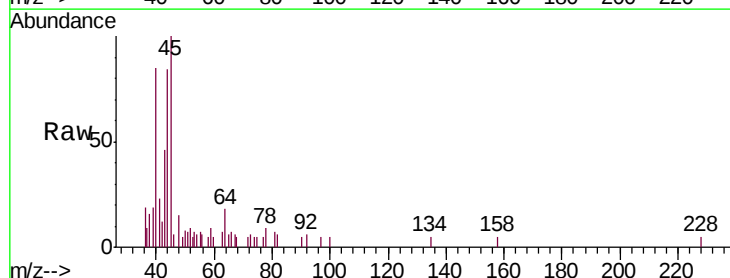
Acq: 19 Jun 2019 06:47

Tgt Ion: 43 Resp: 1202

Ion Ratio Lower Upper

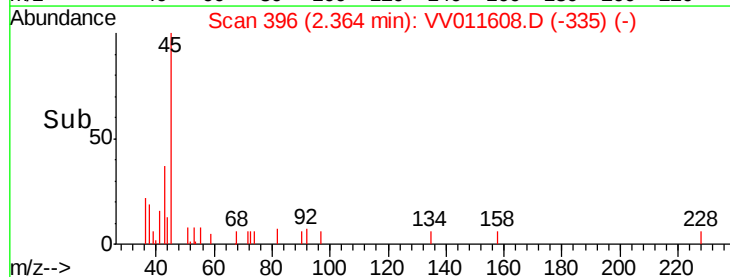
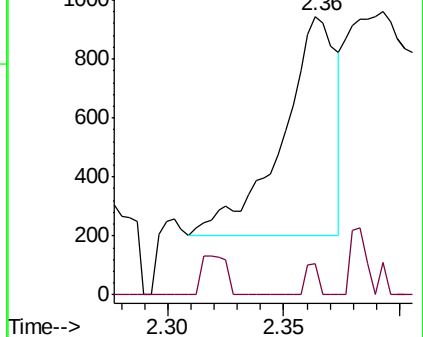
43 100

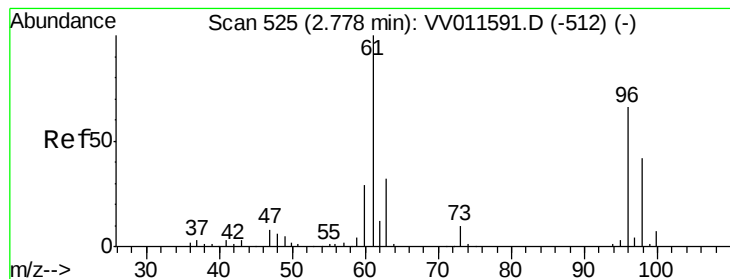
74 3.3 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#18

trans-1,2-Dichloroethene

Concen: 2.908 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

BFCM3

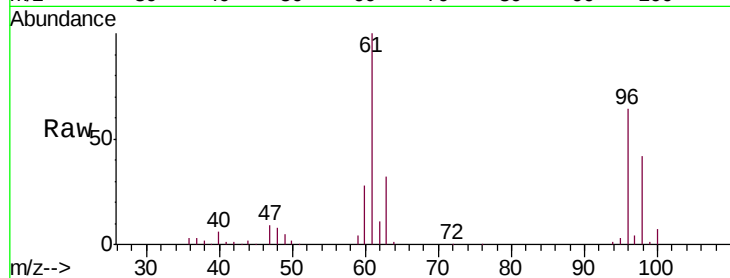
Tgt Ion: 96 Resp: 34643

Ion Ratio Lower Upper

96 100

61 156.2 110.0 204.4

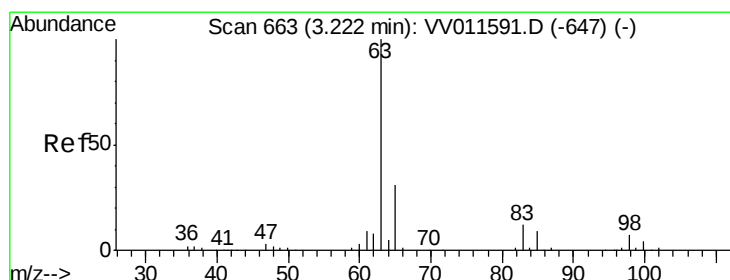
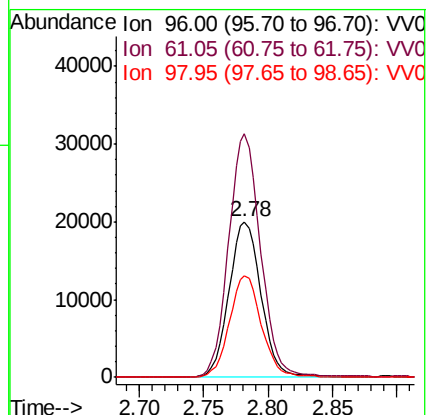
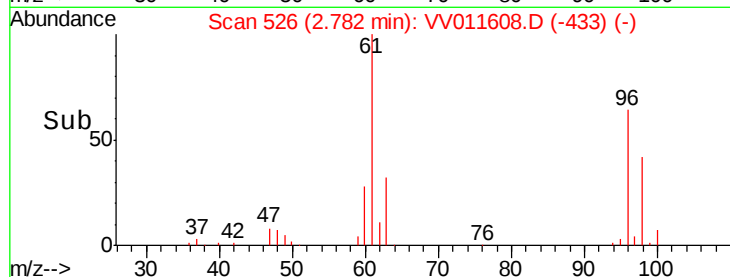
98 65.3 45.8 85.0



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: 17.095 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

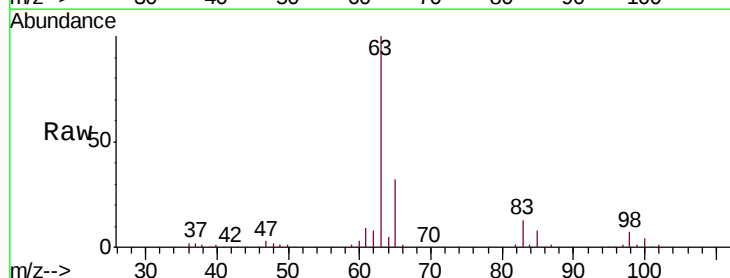
Tgt Ion: 63 Resp: 421321

Ion Ratio Lower Upper

63 100

65 31.5 22.5 41.9

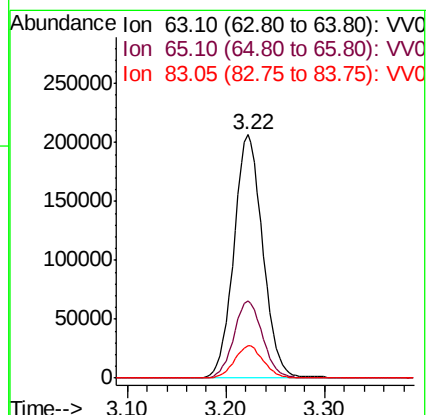
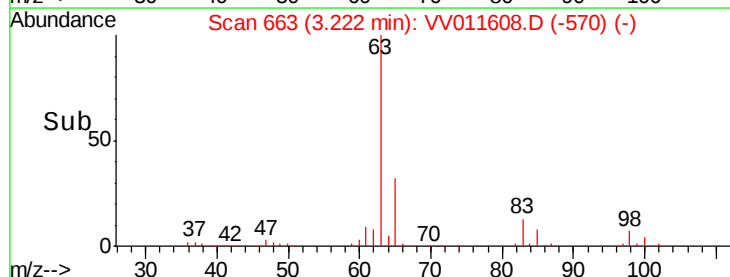
83 13.3 10.1 18.9

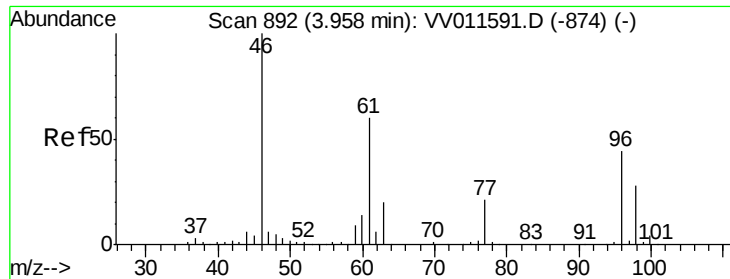


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



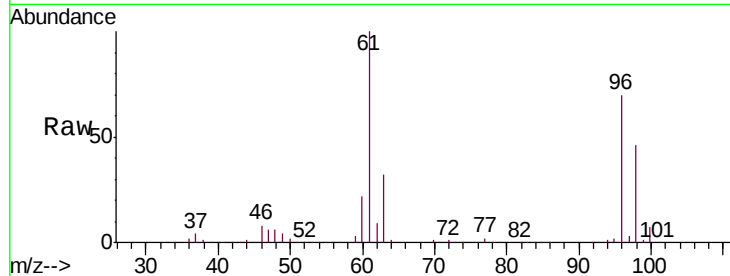


#22

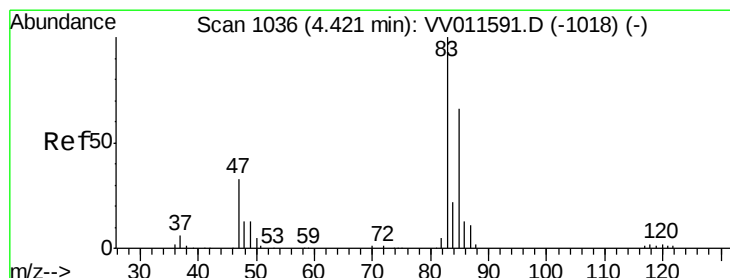
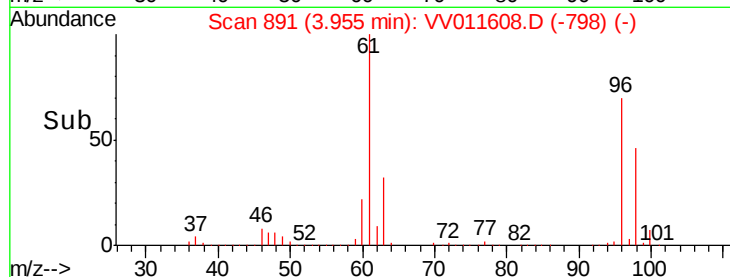
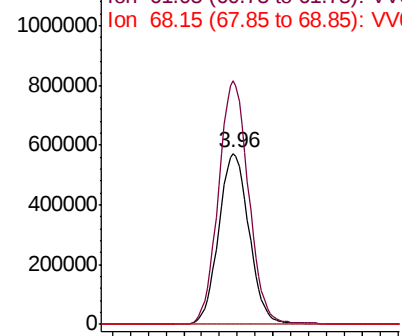
cis-1,2-Dichloroethene
Concen: 100.316 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV011608.D
Acq: 19 Jun 2019 06:47

Instrument :
MSVOA_V
ClientSampleId :
BFCM3

Tgt Ion: 96 Resp: 1353969
Ion Ratio Lower Upper
96 100
61 142.4 102.2 189.8
68 0.0 0.0 0.0



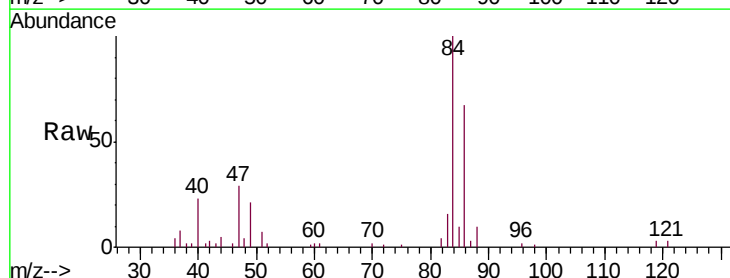
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



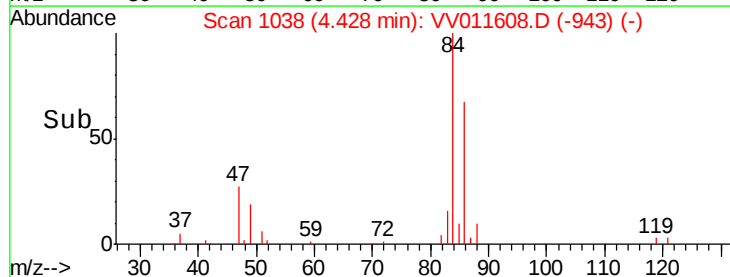
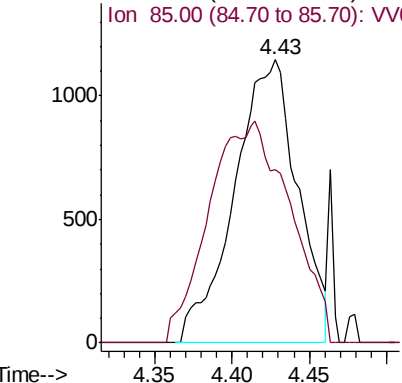
#25

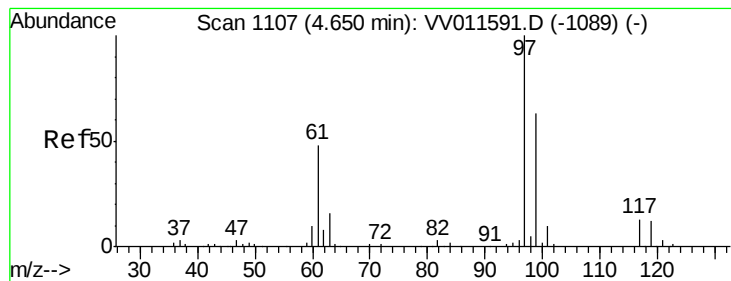
Chloroform
Concen: 0.131 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV011608.D
Acq: 19 Jun 2019 06:47

Tgt Ion: 83 Resp: 3252
Ion Ratio Lower Upper
83 100
85 61.4 44.6 82.8



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#29

1,1,1-Trichloroethane

Concen: 0.875 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

BFCM3

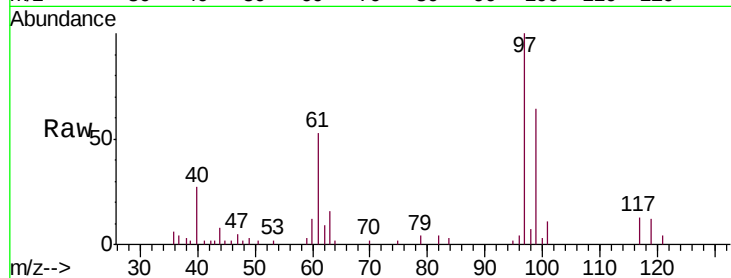
Tgt Ion: 97 Resp: 16730

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

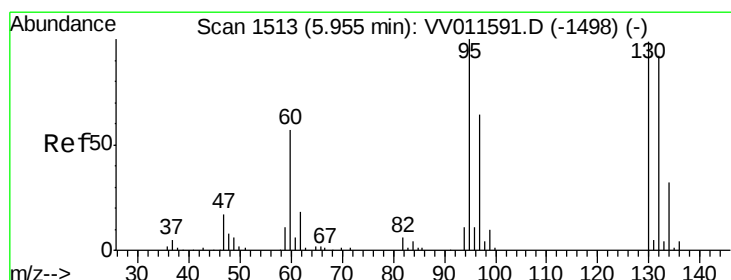
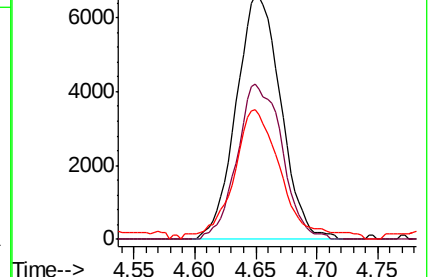
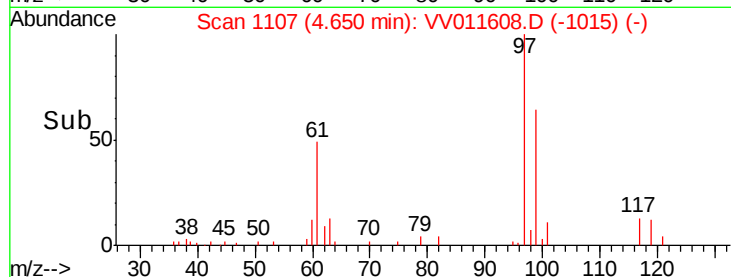
61 55.6 40.4 60.6



Abundance Ion 96.95 (96.65 to 97.65): VV011591.D (-1089) (-)

Ion 99.05 (98.75 to 99.75): VV011591.D (-1089) (-)

Ion 61.05 (60.75 to 61.75): VV011591.D (-1089) (-)



#34

Trichloroethene

Concen: 17.241 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Tgt Ion: 95 Resp: 220750

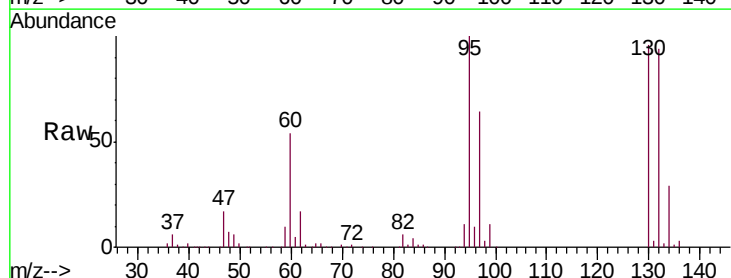
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 94.4 63.5 117.9

130 96.2 68.5 127.3

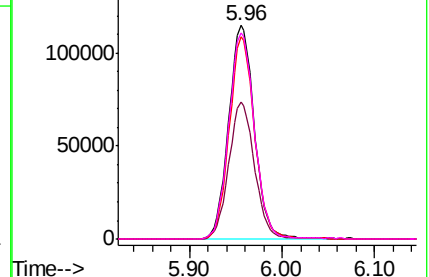
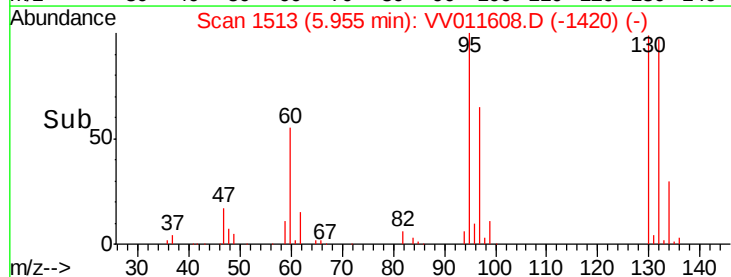


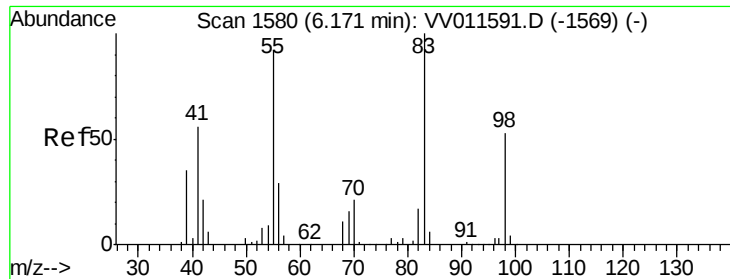
Abundance Ion 95.00 (94.70 to 95.70): VV011591.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV011591.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV011591.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV011591.D (-1498) (-)





#35

Methylcyclohexane

Concen: 0.901 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

BFCM3

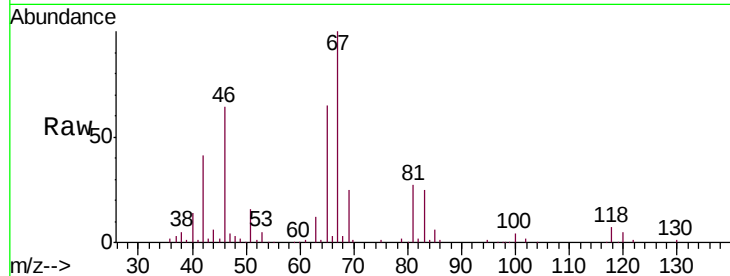
Tgt Ion: 83 Resp: 16442

Ion Ratio Lower Upper

83 100

55 1.1 67.9 101.9#

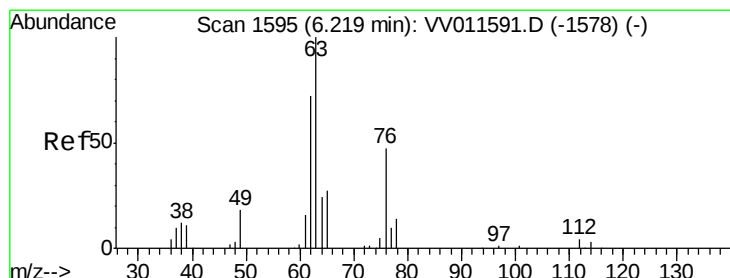
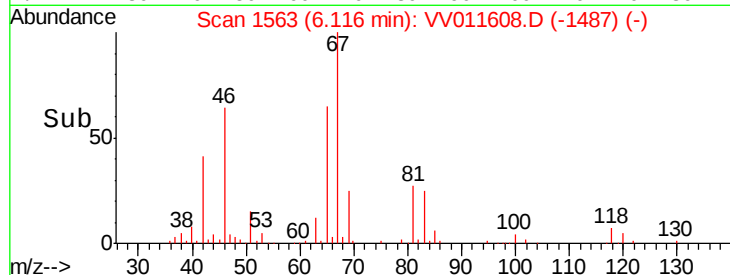
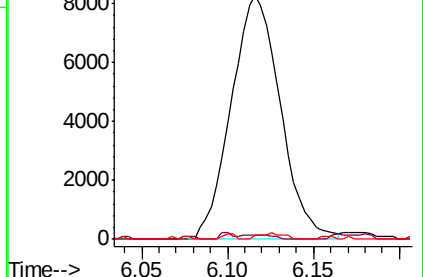
98 1.3 39.6 59.4#



Abundance Ion 83.15 (82.85 to 83.85): VV011591.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV011591.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV011591.D (-1569) (-)



#37

1,2-Dichloropropane

Concen: 0.658 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011608.D

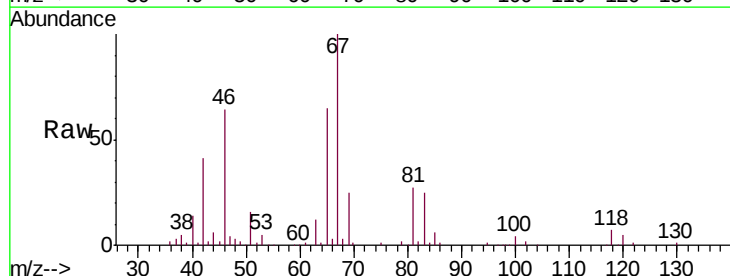
Acq: 19 Jun 2019 06:47

Tgt Ion: 63 Resp: 8793

Ion Ratio Lower Upper

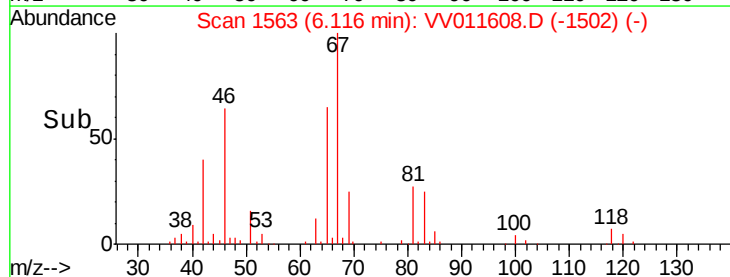
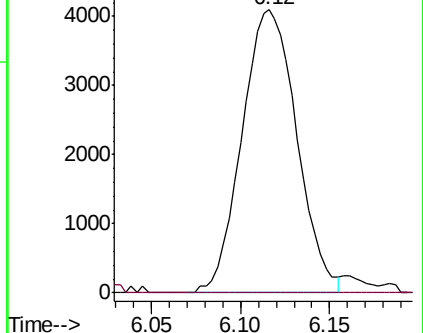
63 100

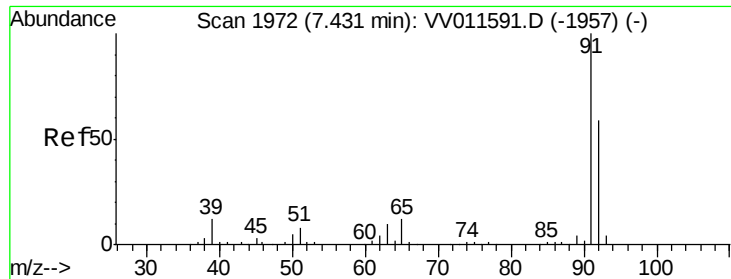
112 0.5 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV011591.D (-1578) (-)

Ion 112.10 (111.80 to 112.80): VV011591.D (-1578) (-)





#42

Toluene

Concen: 0.073 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Instrument :

MSVOA_V

ClientSampleId :

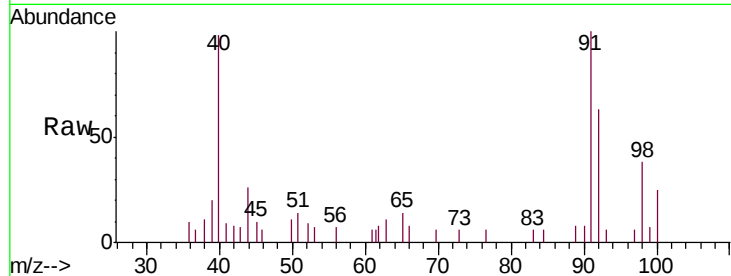
BFCM3

Tgt Ion: 91 Resp: 3775

Ion Ratio Lower Upper

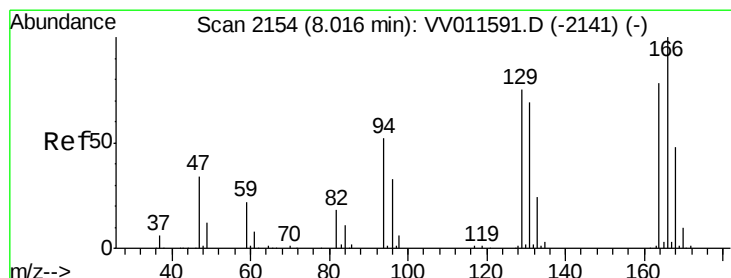
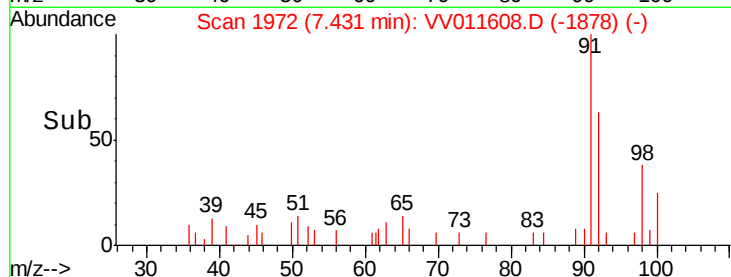
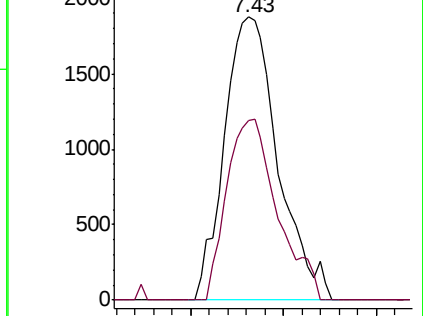
91 100

92 63.4 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#47

Tetrachloroethene

Concen: 7.515 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011608.D

Acq: 19 Jun 2019 06:47

Tgt Ion:164 Resp: 68615

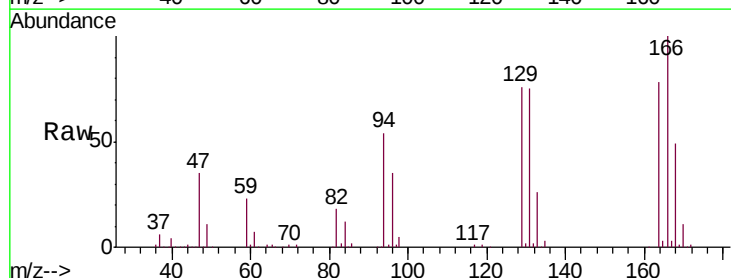
Ion Ratio Lower Upper

164 100

129 96.8 68.8 127.8

131 95.8 63.2 117.4

166 127.7 87.0 161.6

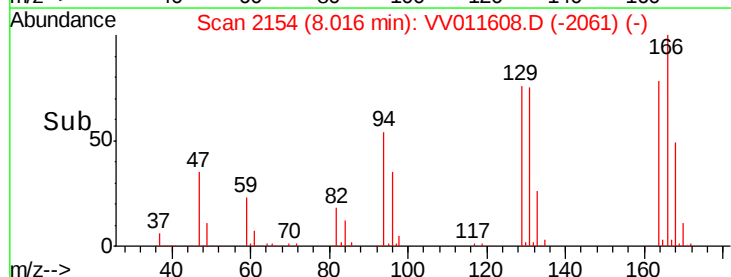
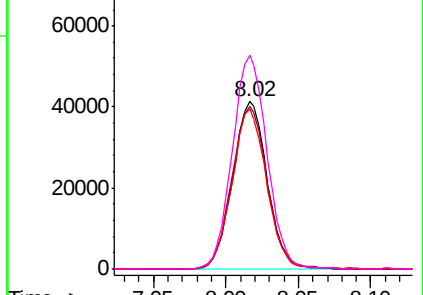


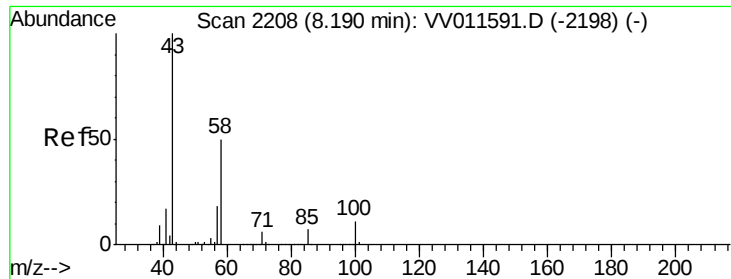
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

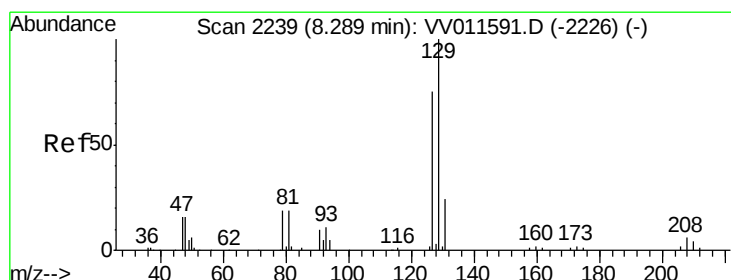
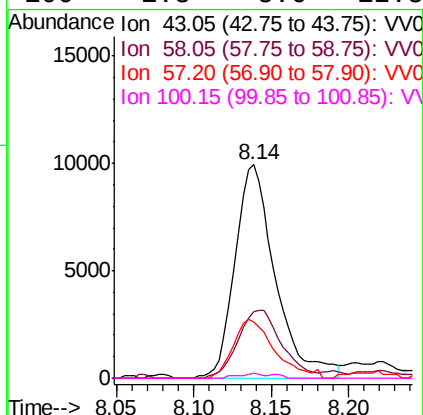
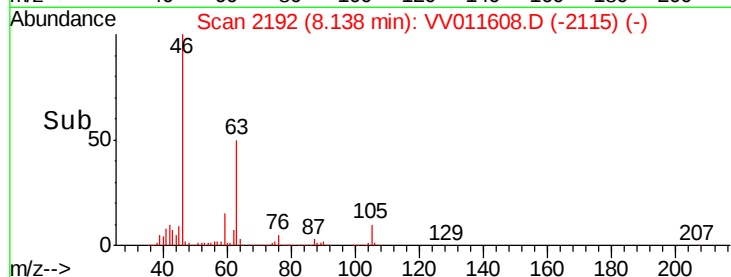
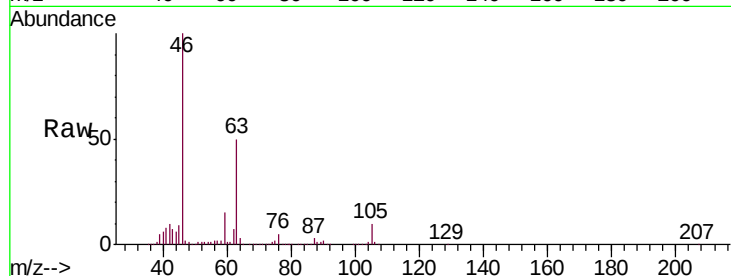




#48
2-Hexanone
Concen: 2.692 ug/L
RT: 8.14 min Scan# 2192
Delta R.T. -0.05 min
Lab File: VV011608.D
Acq: 19 Jun 2019 06:47

Instrument :
MSVOA_V
ClientSampled :
BFCM3

Tgt Ion: 43 Resp: 18030
Ion Ratio Lower Upper
43 100
58 34.6 40.6 60.8#
57 28.0 14.2 21.4#
100 1.3 8.6 12.8#



#49
Dibromochloromethane
Concen: 7.180 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV011608.D
Acq: 19 Jun 2019 06:47

Tgt Ion: 129 Resp: 64363
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.6#

