

Data File : VV011584.D
Acq On : 18 Jun 2019 19:28
Operator : SY/MD
Sample : K3289-16DL 4X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCM1DL

Quant Time: Jun 19 02:13:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 02:08:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	163676	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	147883	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56163	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55041	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.57	69	37421	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.12	63	91949	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.20%
20) 2-Butanone-d5	3.95	46	200809	57.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.50%
24) Chloroform-d	4.40	84	123466	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
26) 1,2-Dichloroethane-d4	5.08	65	74024	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
32) Benzene-d6	5.09	84	238396	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.00%
36) 1,2-Dichloropropane-d6	6.12	67	78138	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.60%
41) Toluene-d8	7.36	98	202887	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.66	79	23566	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.14	63	149056	55.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.84%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	53416	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	64282	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	2136	0.135 ug/L	98
5) Vinyl chloride	1.32	62	18303	1.172 ug/L #	78
8) Chloroethane	1.59	64	781	0.103 ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	875	0.089 ug/L #	23
12) 1,1-Dichloroethene	2.13	96	6222	0.611 ug/L #	1
16) Methylene chloride	2.53	84	2470	0.213 ug/L	81
18) trans-1,2-Dichloroethene	2.78	96	1248	0.108 ug/L	93
19) 1,1-Dichloroethane	3.22	63	152540	6.406 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	80683	6.187 ug/L	96
25) Chloroform	4.42	83	1932	0.081 ug/L	76
29) 1,1,1-Trichloroethane	4.65	97	30556	1.661 ug/L	98
31) Carbon tetrachloride	4.65	117	3831	0.257 ug/L	98
34) Trichloroethene	5.96	95	65433	5.312 ug/L	99
35) Methylcyclohexane	6.12	83	18806	1.071 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	10079	0.784 ug/L #	88
44) trans-1,3-Dichloropropene	7.66	75	1216	0.098 ug/L	92
47) Tetrachloroethene	8.02	164	10408	1.185 ug/L	93

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 02:08:53 2019
Response via : Initial Calibration

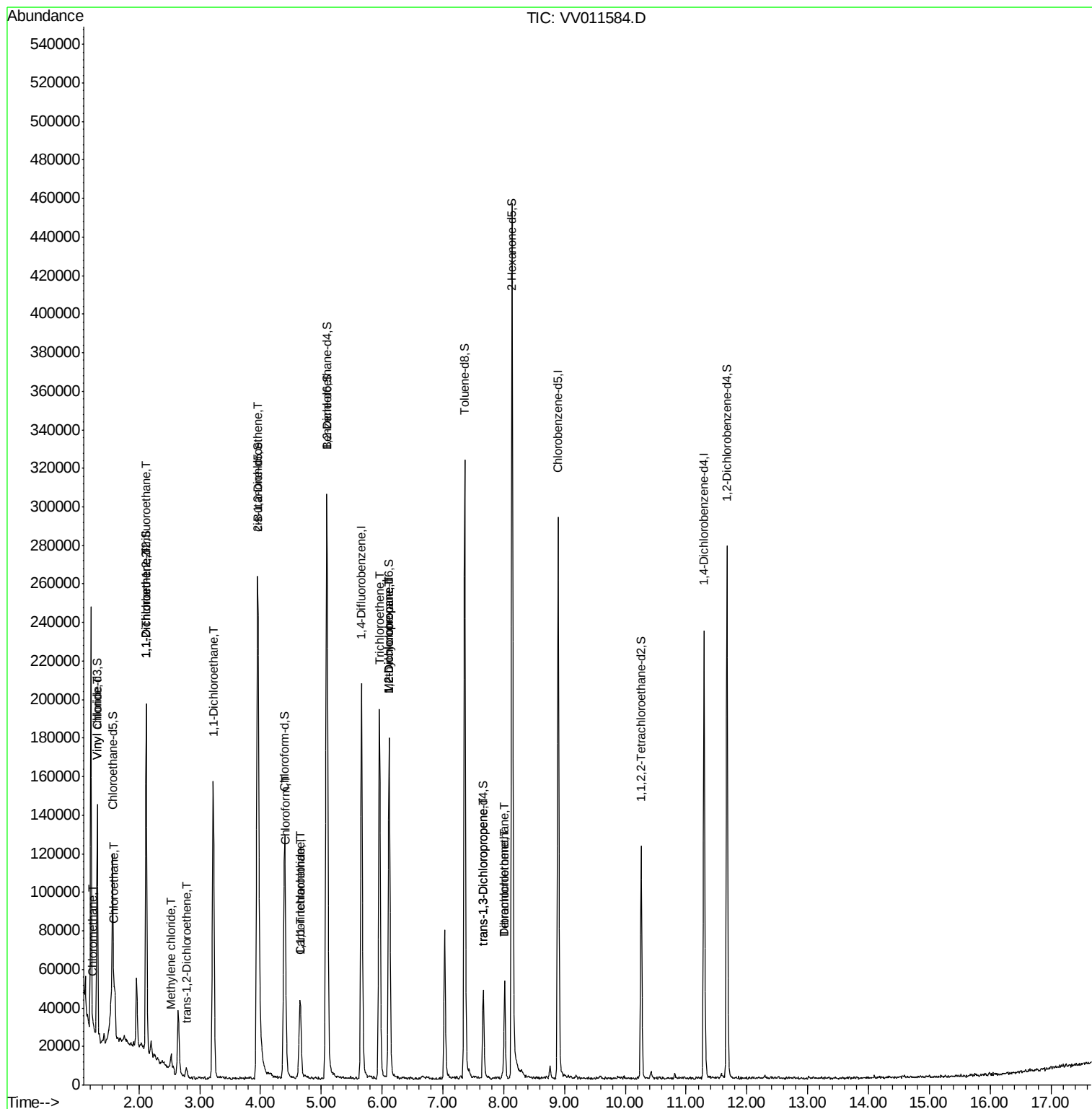
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	9395	1.089	ug/L #	12
-----	-----	-----	-----	-----	-----	-----

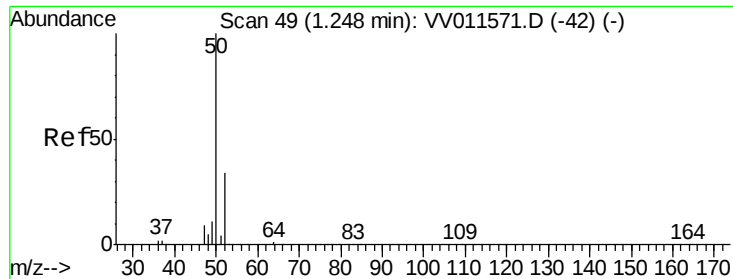
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.135 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

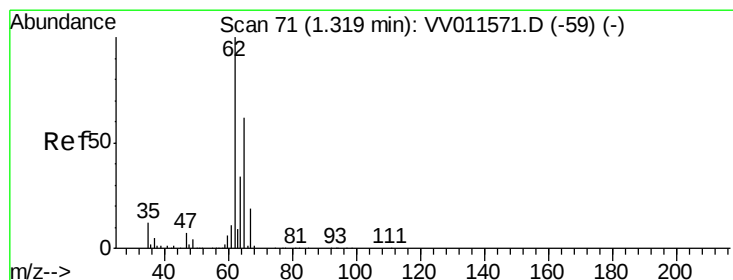
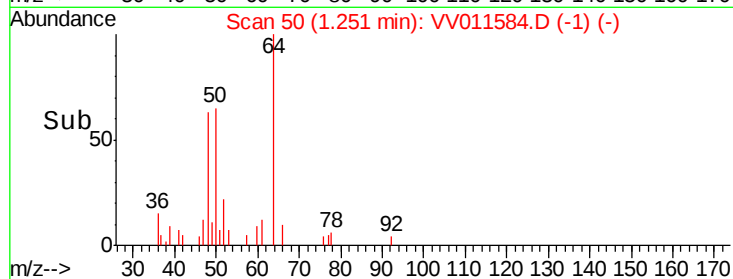
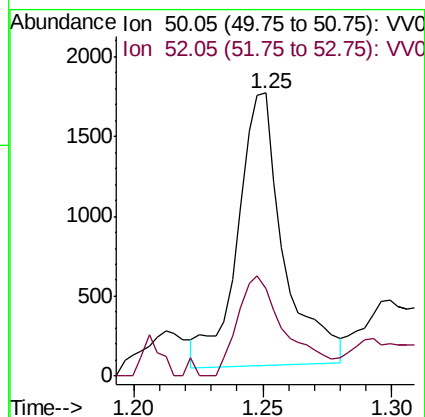
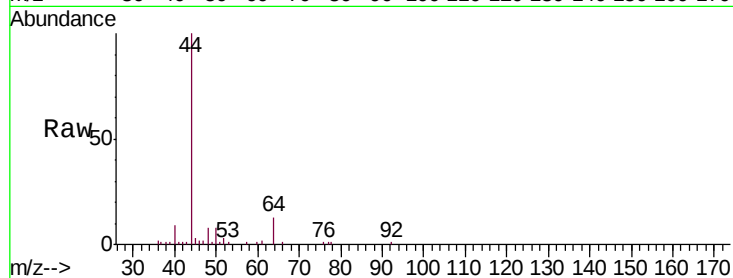
BFCM1DL

Tgt Ion: 50 Resp: 2136

Ion Ratio Lower Upper

50 100

52 31.0 22.7 42.1



#5

Vinyl chloride

Concen: 1.172 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011584.D

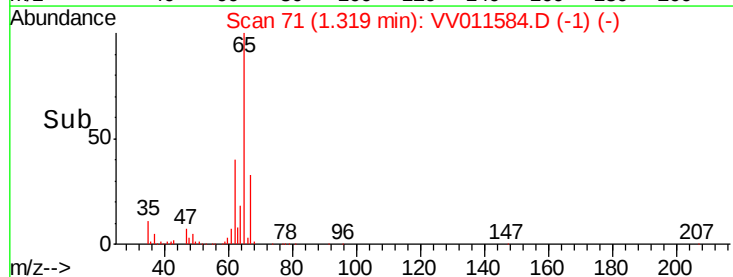
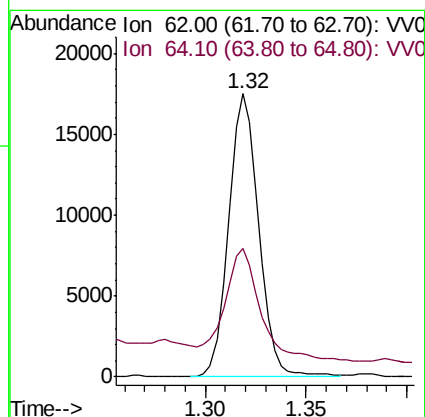
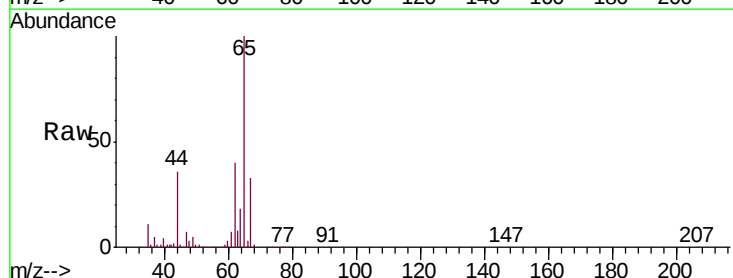
Acq: 18 Jun 2019 19:28

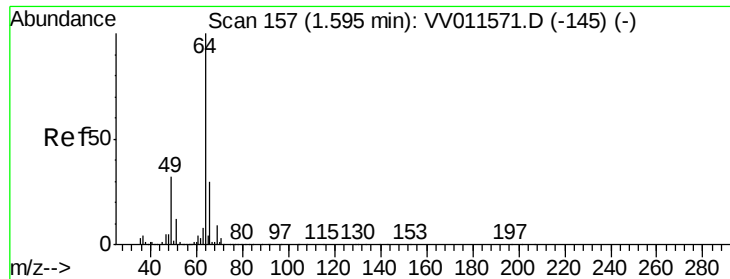
Tgt Ion: 62 Resp: 18303

Ion Ratio Lower Upper

62 100

64 45.3 23.0 42.6#





#8

Chloroethane

Concen: 0.103 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

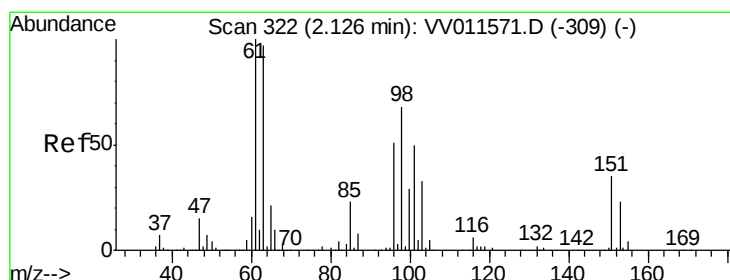
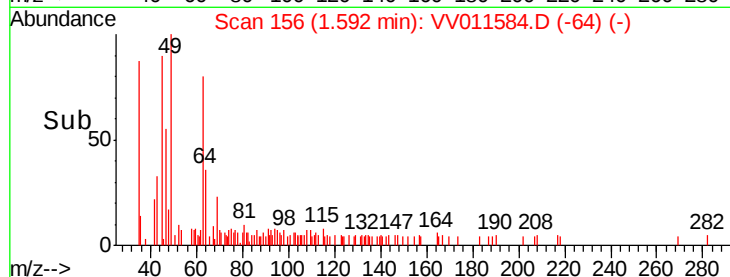
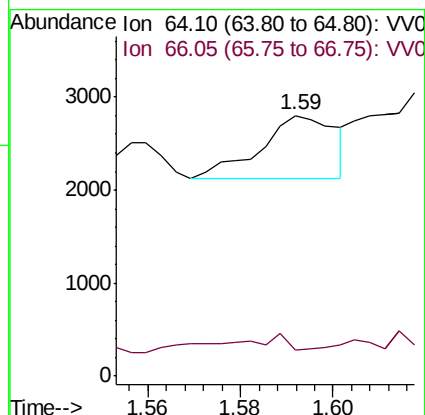
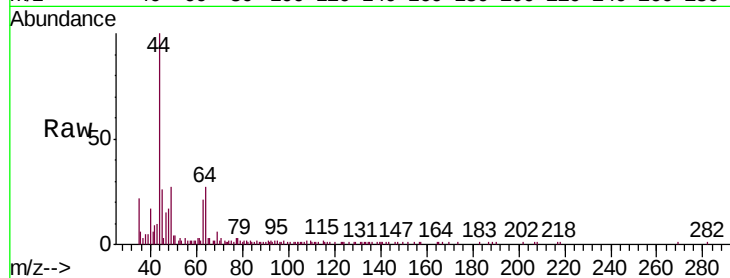
BFCM1DL

Tgt Ion: 64 Resp: 781

Ion Ratio Lower Upper

64 100

66 10.0 21.6 40.2#



#10

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

Concen: 0.089 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

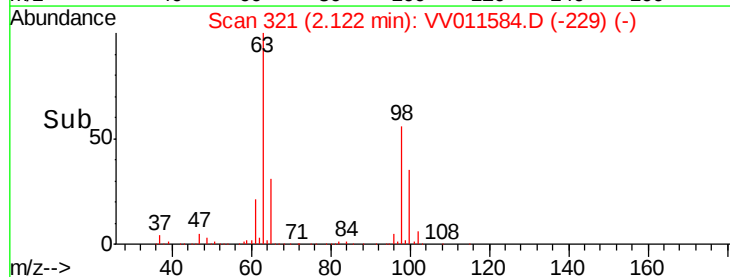
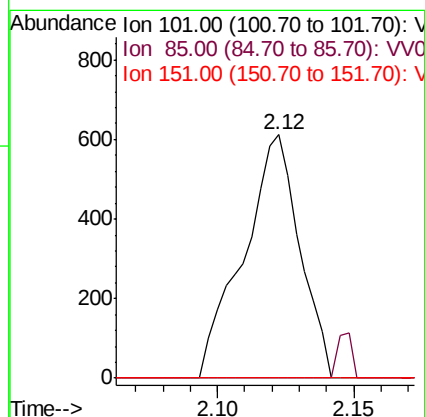
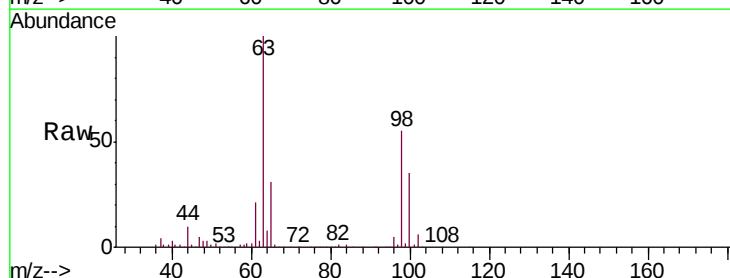
Tgt Ion: 101 Resp: 875

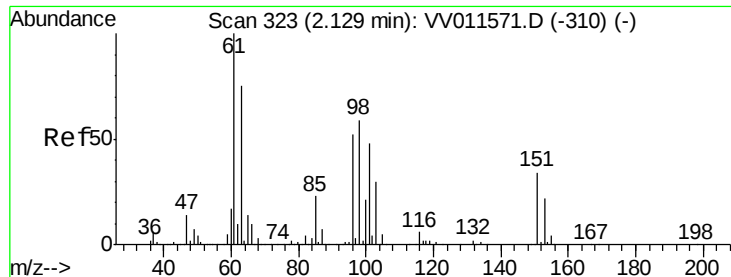
Ion Ratio Lower Upper

101 100

85 0.0 37.3 55.9#

151 4.9 59.4 89.2#





#12

1,1-Dichloroethene

Concen: 0.611 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

BFCM1DL

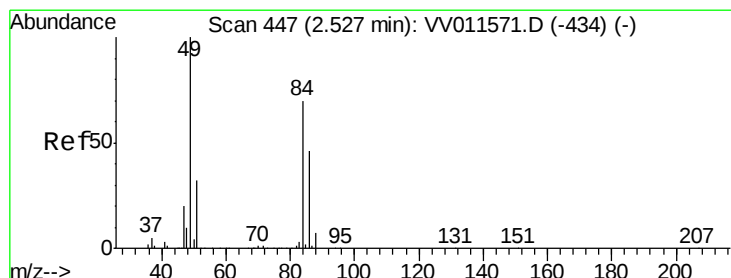
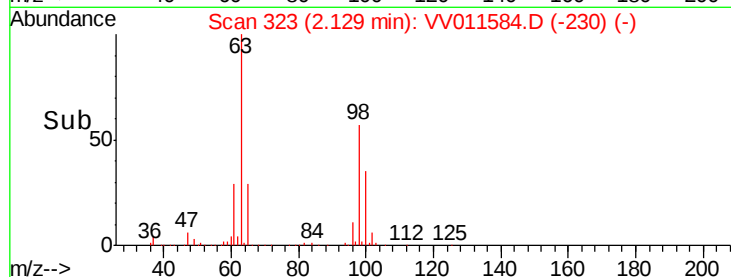
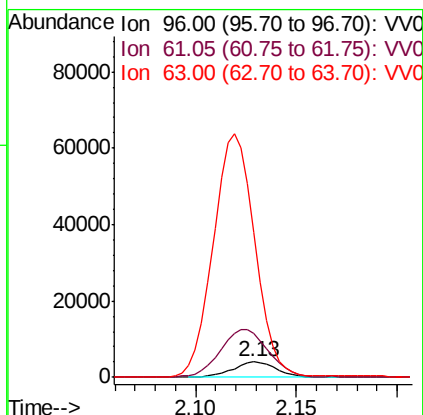
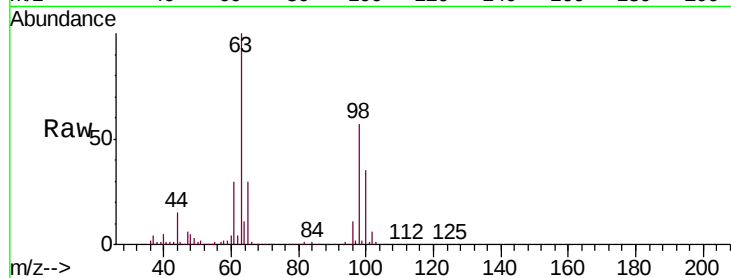
Tgt Ion: 96 Resp: 6222

Ion Ratio Lower Upper

96 100

61 282.9 135.9 252.5#

63 944.4 86.2 160.2#



#16

Methylene chloride

Concen: 0.213 ug/L

RT: 2.53 min Scan# 448

Delta R.T. 0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

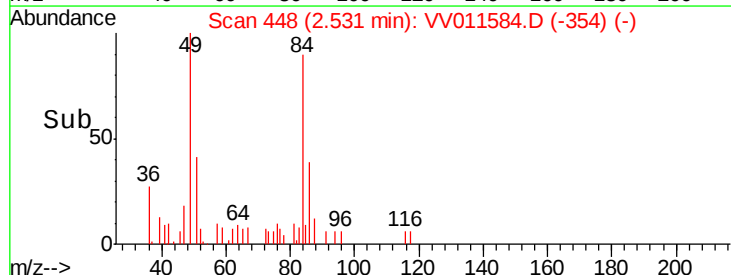
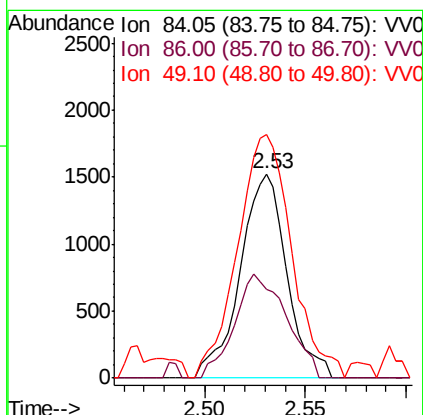
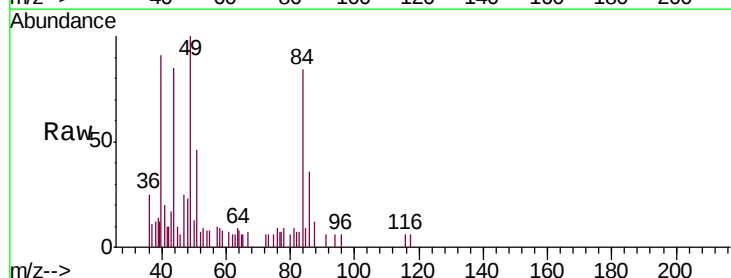
Tgt Ion: 84 Resp: 2470

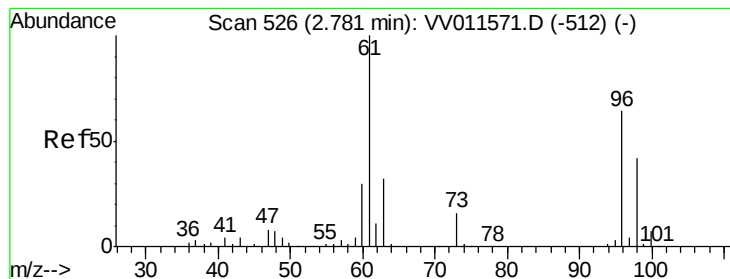
Ion Ratio Lower Upper

84 100

86 43.5 42.5 78.9

49 119.3 97.7 181.5





#18

trans-1,2-Dichloroethene

Concen: 0.108 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

BFCM1DL

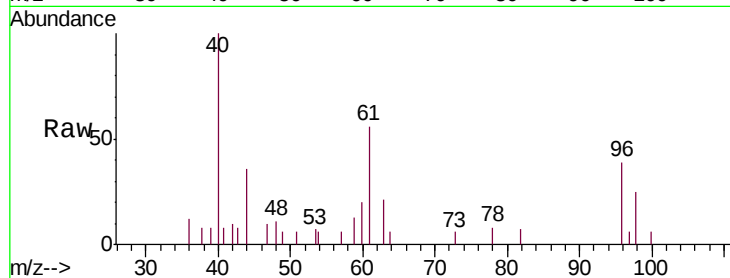
Tgt Ion: 96 Resp: 1248

Ion Ratio Lower Upper

96 100

61 145.6 110.0 204.4

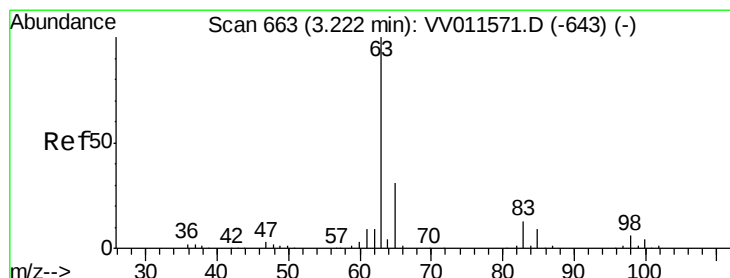
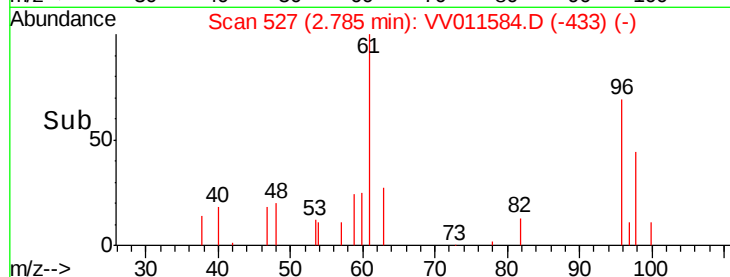
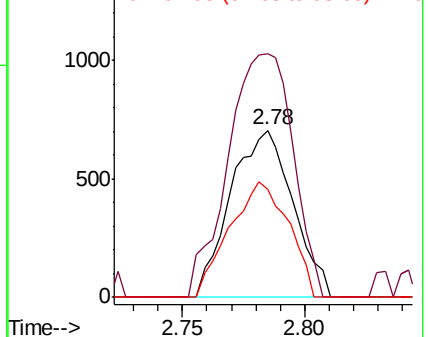
98 64.4 45.8 85.0



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: 6.406 ug/L

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

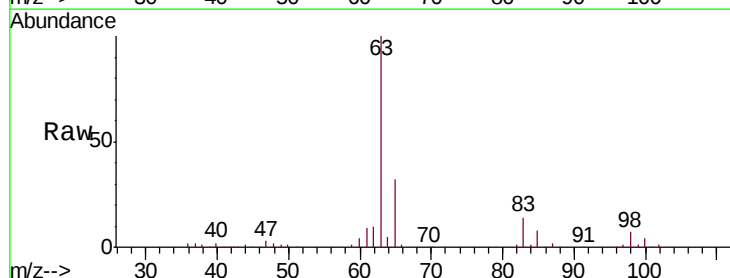
Tgt Ion: 63 Resp: 152540

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.9

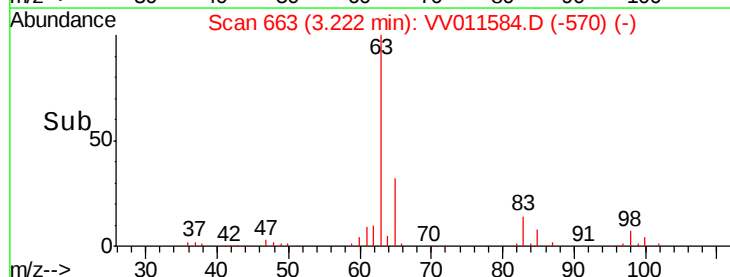
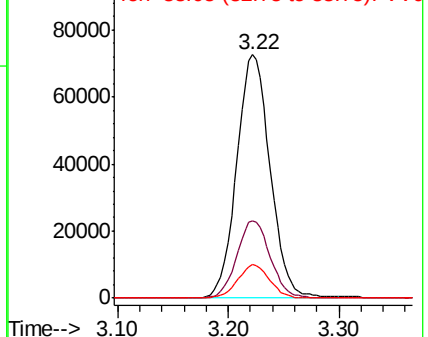
83 13.7 10.1 18.9

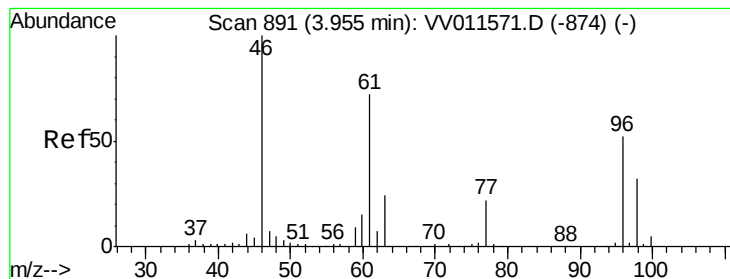


Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



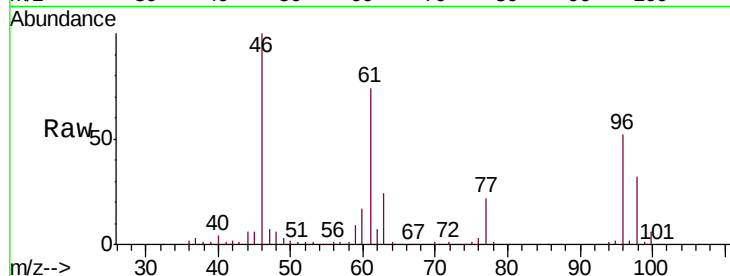


#22

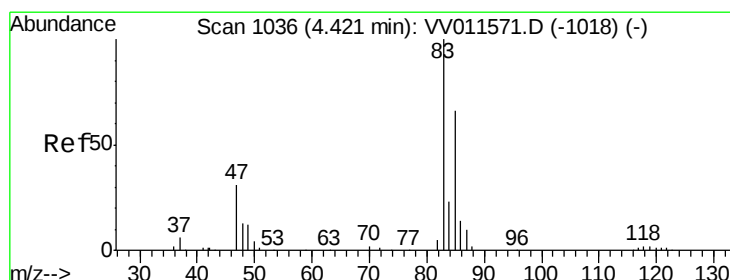
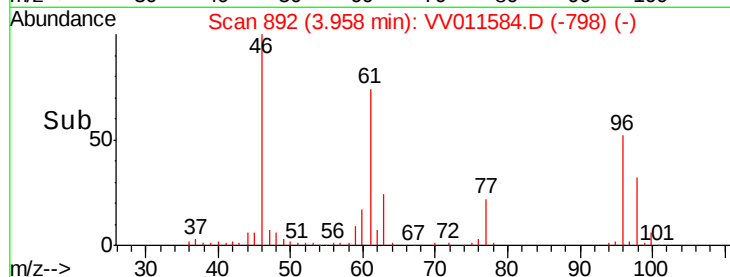
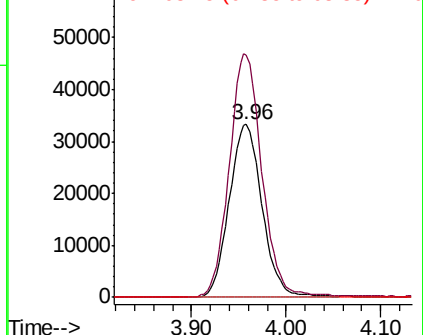
cis-1,2-Dichloroethene
Concen: 6.187 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV011584.D
Acq: 18 Jun 2019 19:28

Instrument :
MSVOA_V
ClientSampleId :
BFCM1DL

Tgt Ion: 96 Resp: 80683
Ion Ratio Lower Upper
96 100
61 140.7 102.2 189.8
68 0.0 0.0 0.0



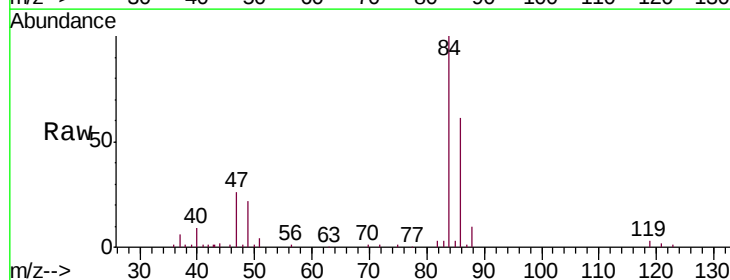
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



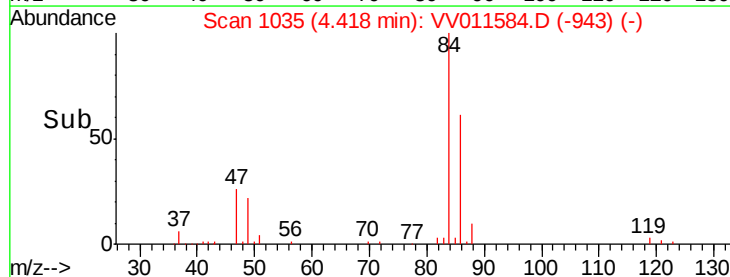
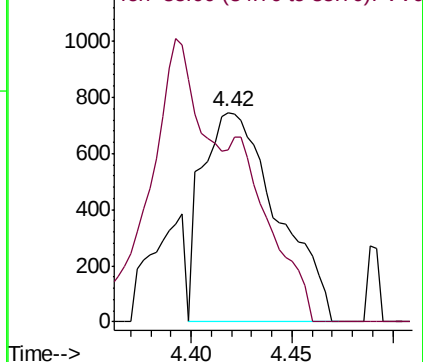
#25

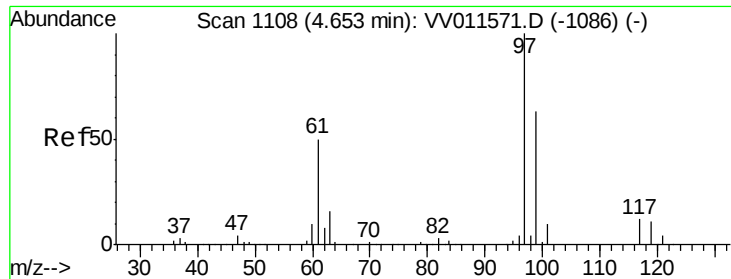
Chloroform
Concen: 0.081 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VV011584.D
Acq: 18 Jun 2019 19:28

Tgt Ion: 83 Resp: 1932
Ion Ratio Lower Upper
83 100
85 82.2 44.6 82.8



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

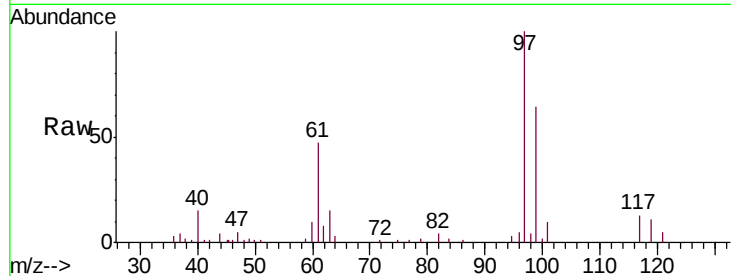




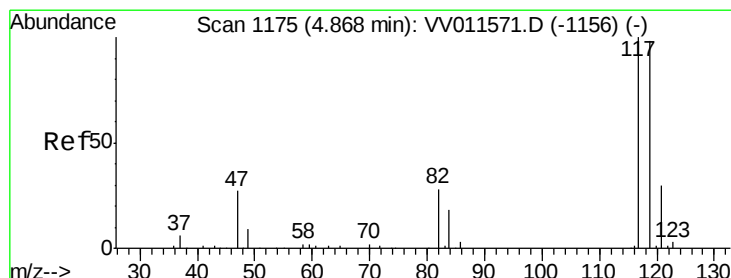
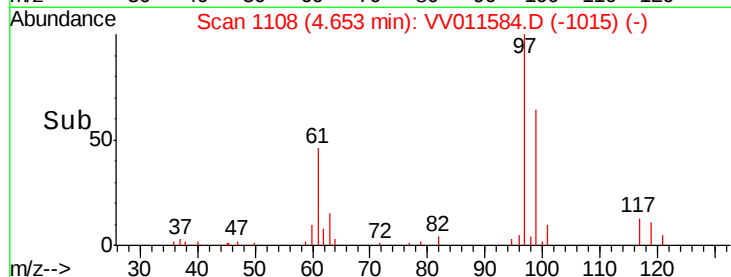
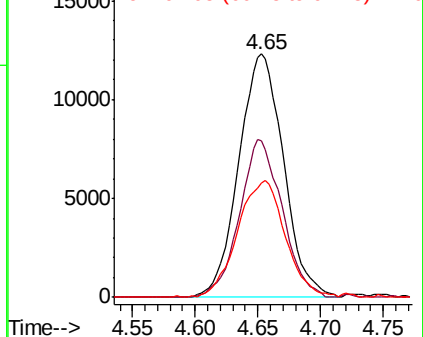
#29
 1,1,1-Trichloroethane
 Concen: 1.661 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV011584.D
 Acq: 18 Jun 2019 19:28

Instrument :
 MSVOA_V
 ClientSampleId :
 BFCM1DL

Tgt Ion: 97 Resp: 30556
 Ion Ratio Lower Upper
 97 100
 99 61.7 51.6 77.4
 61 51.1 40.4 60.6

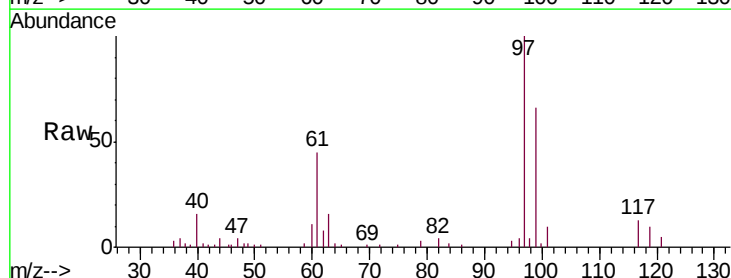


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

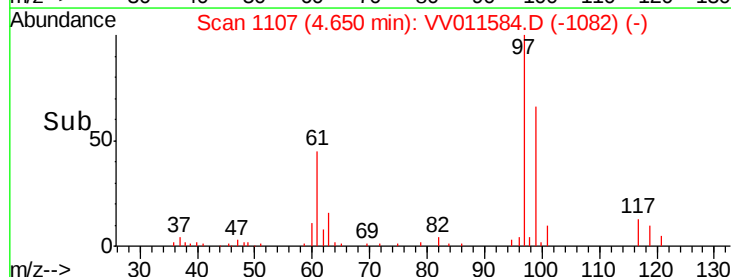
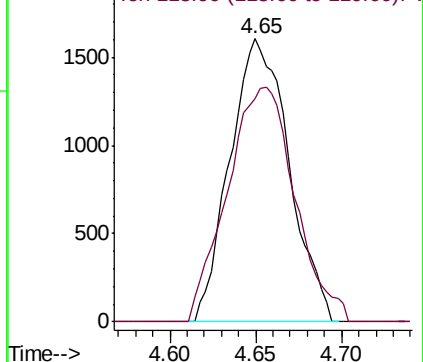


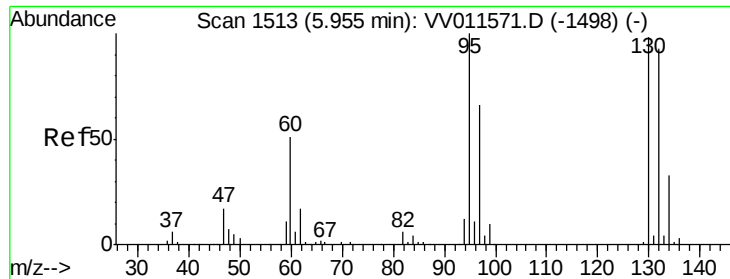
#31
 Carbon tetrachloride
 Concen: 0.257 ug/L
 RT: 4.65 min Scan# 1107
 Delta R.T. -0.22 min
 Lab File: VV011584.D
 Acq: 18 Jun 2019 19:28

Tgt Ion: 117 Resp: 3831
 Ion Ratio Lower Upper
 117 100
 119 95.0 77.4 116.2



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 5.312 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

BFCM1DL

Tgt Ion: 95 Resp: 65433

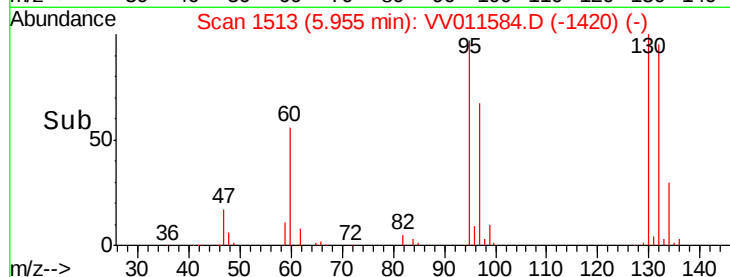
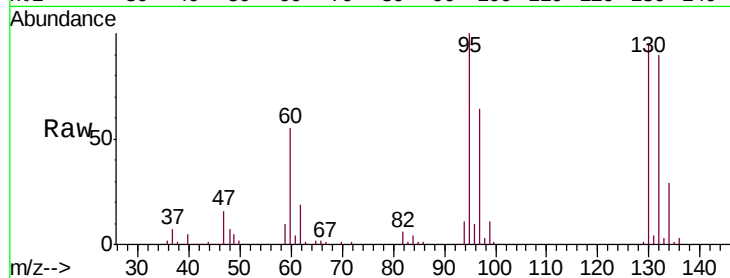
Ion Ratio Lower Upper

95 100

97 63.9 44.4 82.4

132 90.2 63.5 117.9

130 95.3 68.5 127.3

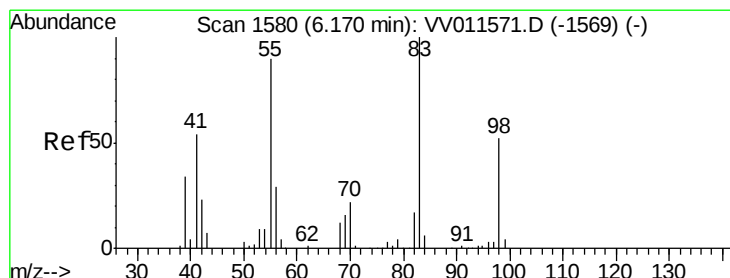
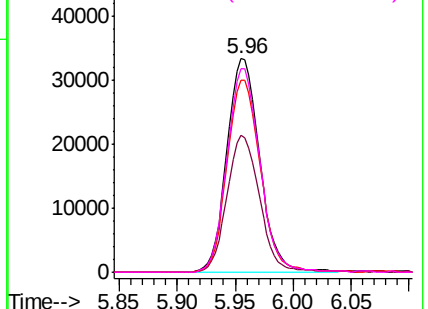


Abundance Ion 95.00 (94.70 to 95.70): VV011571.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV011571.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV011571.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV011571.D (-1498) (-)



#35

Methylcyclohexane

Concen: 1.071 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

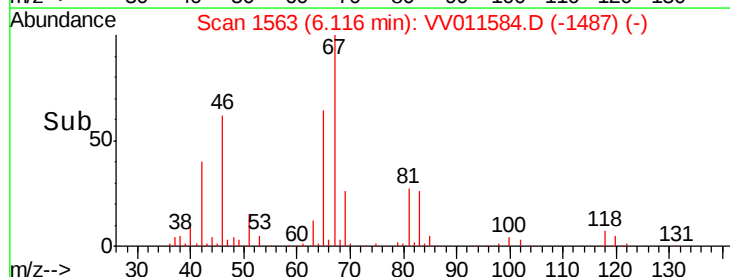
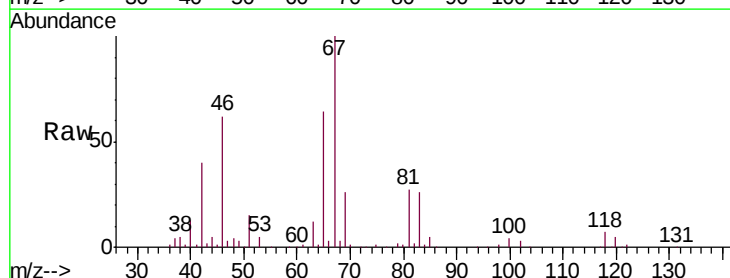
Tgt Ion: 83 Resp: 18806

Ion Ratio Lower Upper

83 100

55 1.9 67.9 101.9#

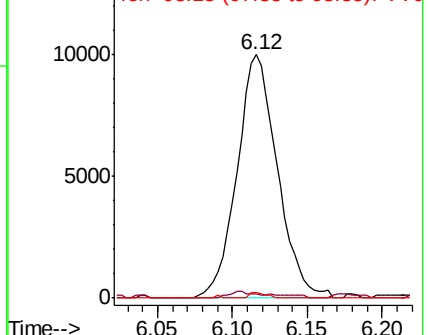
98 0.9 39.6 59.4#

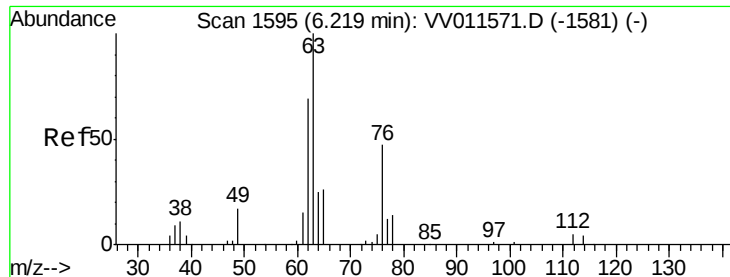


Abundance Ion 83.15 (82.85 to 83.85): VV011571.D (-1569) (-)

Ion 55.10 (54.80 to 55.80): VV011571.D (-1569) (-)

Ion 98.15 (97.85 to 98.85): VV011571.D (-1569) (-)

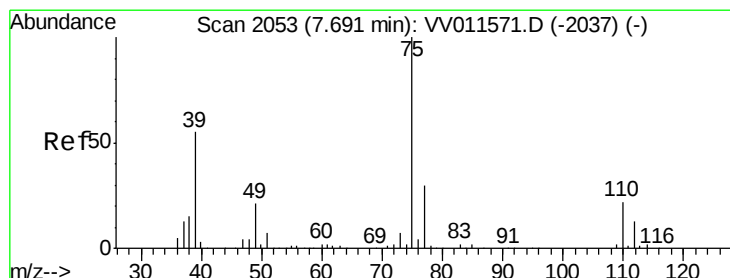
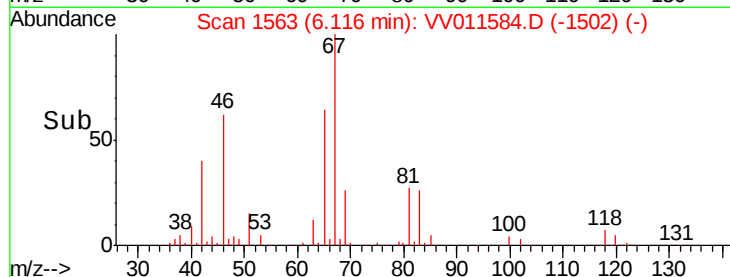
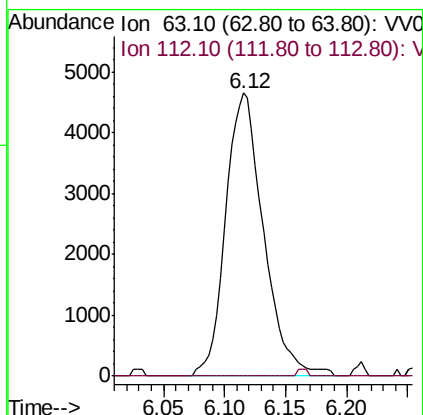
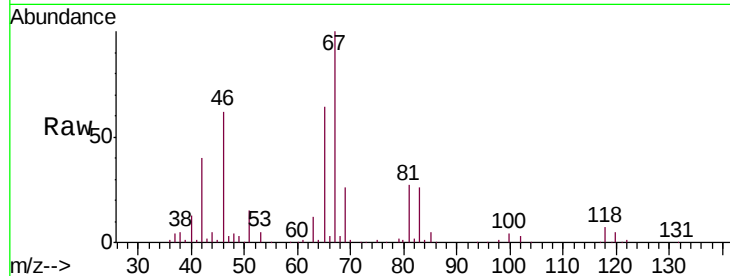




#37
 1,2-Dichloropropane
 Concen: 0.784 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011584.D
 Acq: 18 Jun 2019 19:28

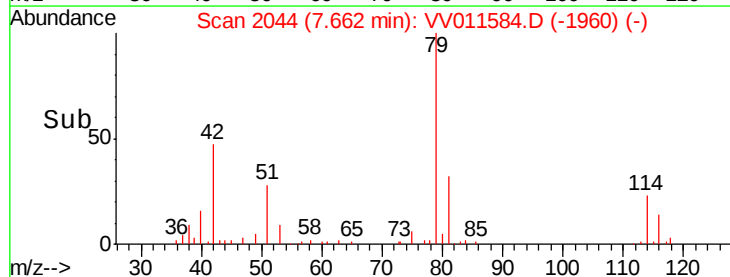
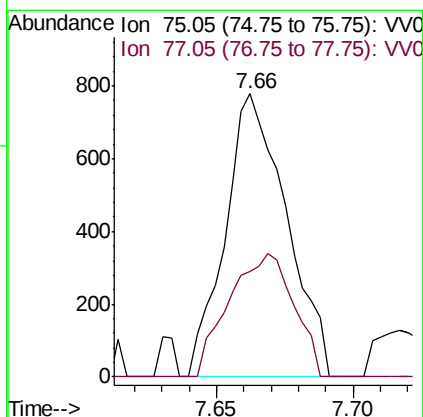
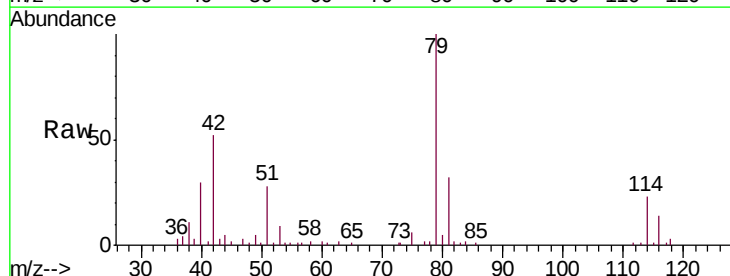
Instrument :
 MSVOA_V
 ClientSampleID :
 BFCM1DL

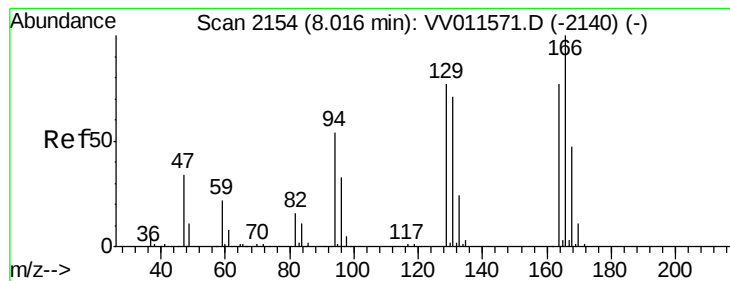
Tgt Ion: 63 Resp: 10079
 Ion Ratio Lower Upper
 63 100
 112 0.6 3.7 5.5#



#44
 trans-1,3-Dichloropropene
 Concen: 0.098 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV011584.D
 Acq: 18 Jun 2019 19:28

Tgt Ion: 75 Resp: 1216
 Ion Ratio Lower Upper
 75 100
 77 37.1 22.8 42.4





#47

Tetrachloroethene

Concen: 1.185 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011584.D

Acq: 18 Jun 2019 19:28

Instrument :

MSVOA_V

ClientSampleId :

BFCM1DL

Tgt Ion:164 Resp: 10408

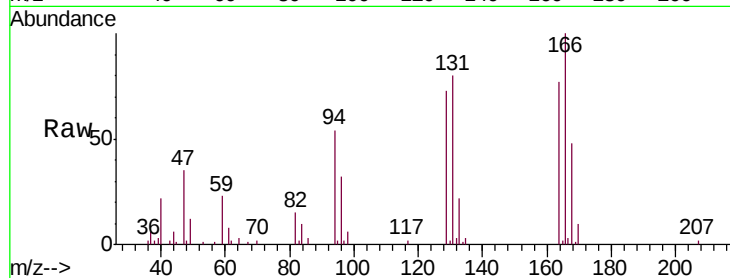
Ion Ratio Lower Upper

164 100

129 94.7 68.8 127.8

131 103.6 63.2 117.4

166 130.0 87.0 161.6



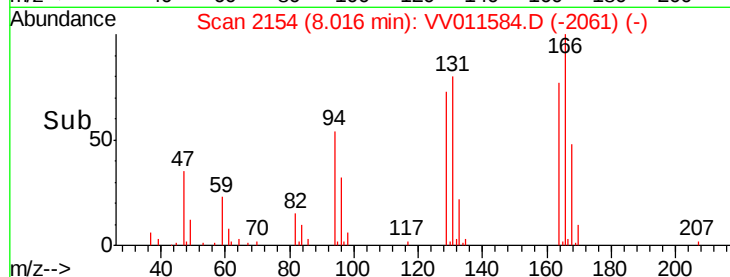
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



Abundance

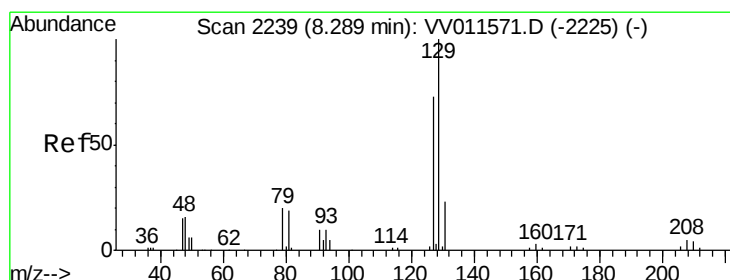
Ion 163.90 (163.60 to 164.60): V

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

Time-->



#49

Dibromochloromethane

Concen: 1.089 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV011584.D

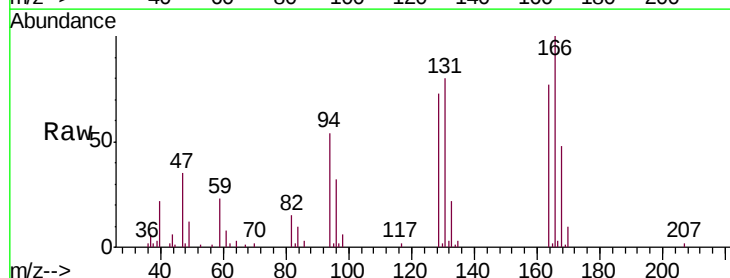
Acq: 18 Jun 2019 19:28

Tgt Ion:129 Resp: 9395

Ion Ratio Lower Upper

129 100

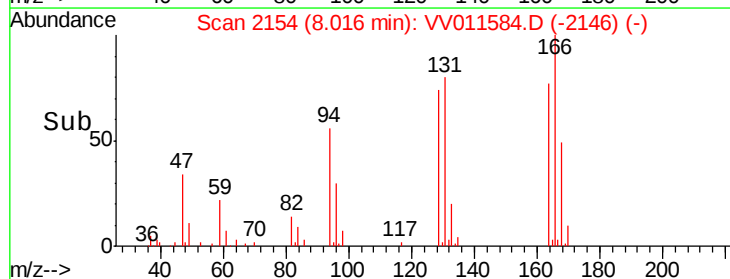
127 0.0 52.6 97.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->



Abundance

Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

Time-->