

Data File : VV012332.D
Acq On : 21 Aug 2019 23:12
Operator : SY/MD
Sample : K4454-11
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2C03

Quant Time: Aug 22 03:53:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Aug 22 03:48:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	211155	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	196479	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	93637	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47250	47.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.52%
7) Chloroethane-d5	1.58	69	36118	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.78%
11) 1,1-Dichloroethene-d2	2.13	63	74740	37.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.96%
21) 2-Butanone-d5	3.93	46	64376	82.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.62%
24) Chloroform-d	4.40	84	133925	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.26%
26) 1,2-Dichloroethane-d4	5.08	65	102152	52.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.26%
32) Benzene-d6	5.10	84	266236	50.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.62%
36) 1,2-Dichloropropane-d6	6.12	67	72164	50.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.86%
41) Toluene-d8	7.36	98	256460	50.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.44%
43) trans-1,3-Dichloropropene-	7.66	79	41084	47.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.16%
47) 2-Hexanone-d5	8.13	63	55027	94.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	99850	49.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.96%
64) 1,2-Dichlorobenzene-d4	11.67	152	107464	52.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.40%

Target Compounds

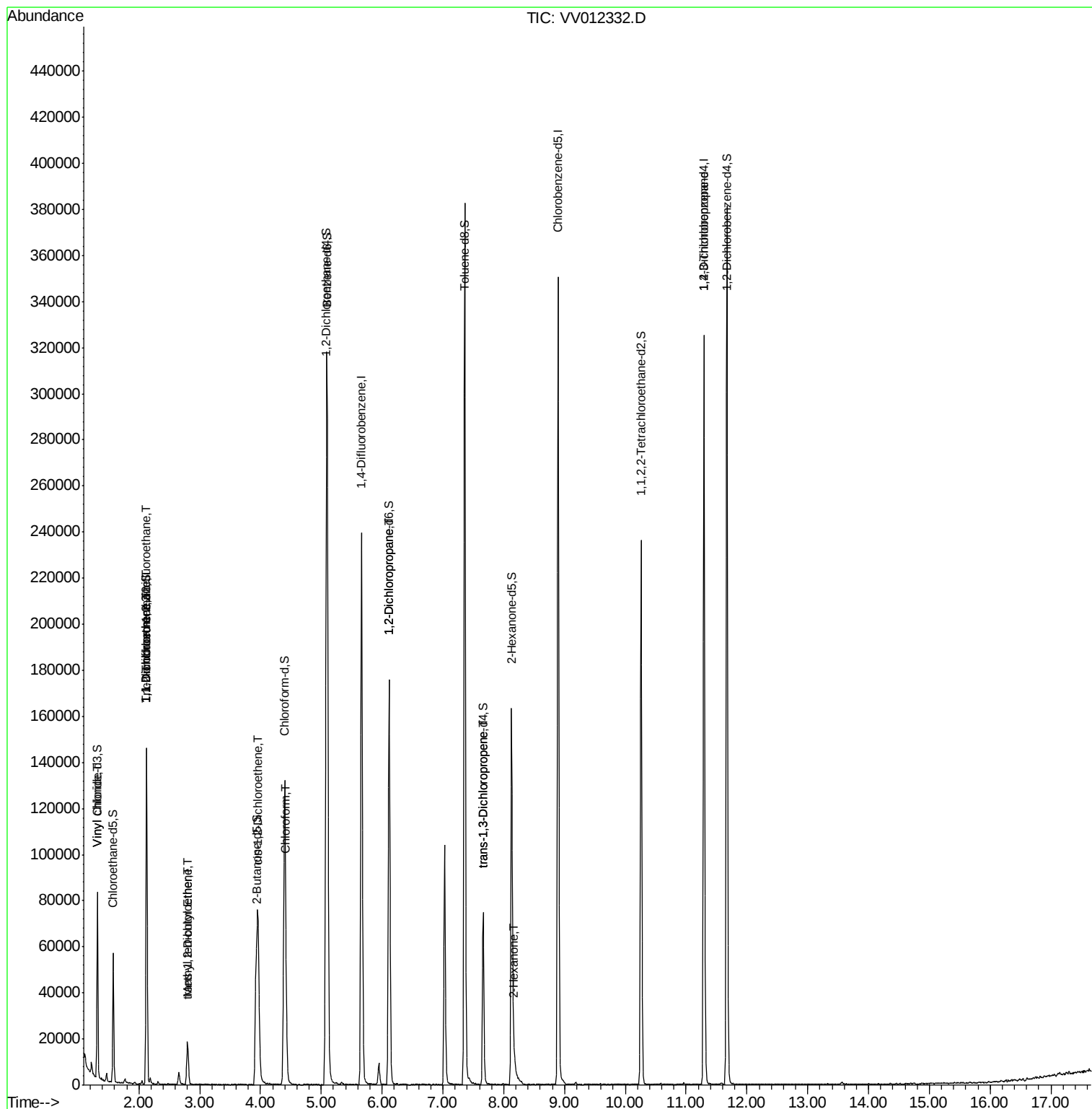
						Qvalue
5) Vinyl chloride	1.32	62	1921	1.884	ug/L #	67
9) Trichlorofluoromethane	2.13	101	795	0.387	ug/L #	17
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	795	0.855	ug/L #	13
12) 1,1-Dichloroethene	2.13	96	635	0.748	ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	693	0.539	ug/L	79
18) Methyl tert-butyl Ether	2.80	73	18510	4.347	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	32569	22.771	ug/L	99
25) Chloroform	4.42	83	9853	3.698	ug/L	99
37) 1,2-Dichloropropane	6.12	63	9713	8.651	ug/L #	82
44) trans-1,3-Dichloropropene	7.67	75	1927	0.970	ug/L	93
48) 2-Hexanone	8.18	43	2518	2.209	ug/L #	44
59) 1,2,3-Trichloropropane	11.29	75	7889	4.931	ug/L #	82

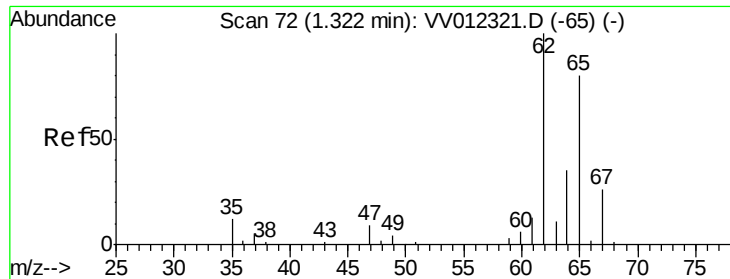
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 22 03:48:59 2019
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#5

Vinyl chloride

Concen: 1.884 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012332.D

Acq: 21 Aug 2019 23:12

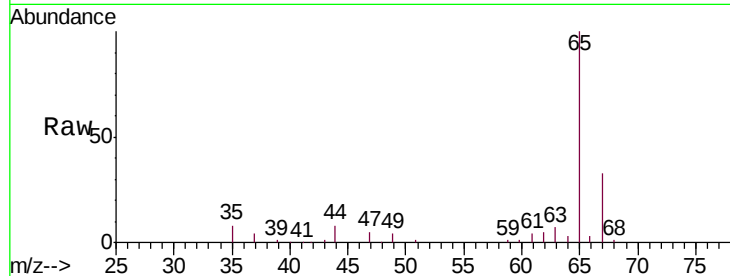
Instrument :
MSVOA_V
ClientSampleId :
F2C03

Tgt Ion: 62 Resp: 1921

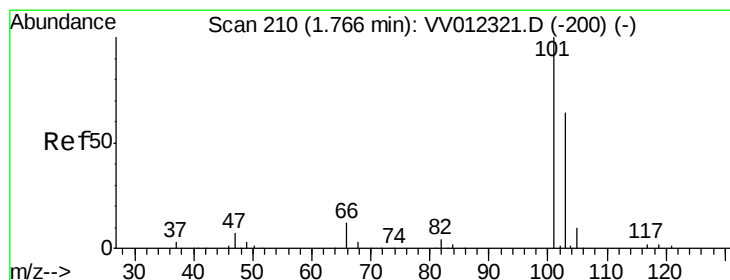
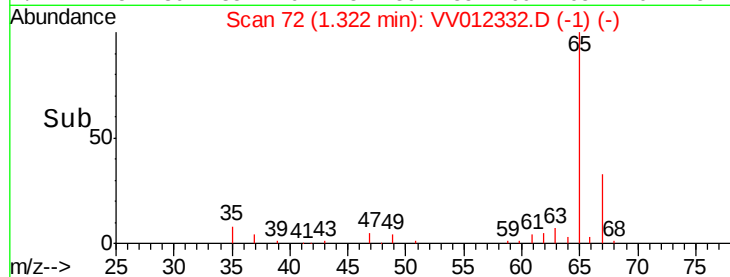
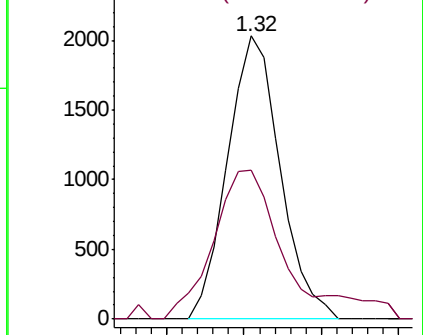
Ion Ratio Lower Upper

62 100

64 52.5 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VV012321.D
Ion 64.00 (63.70 to 64.70): VV012332.D



#9

Trichlorofluoromethane

Concen: 0.387 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.37 min

Lab File: VV012332.D

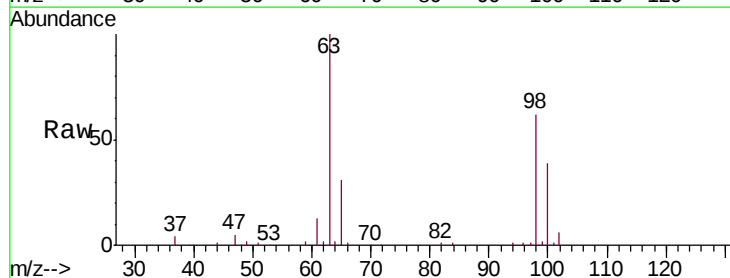
Acq: 21 Aug 2019 23:12

Tgt Ion: 101 Resp: 795

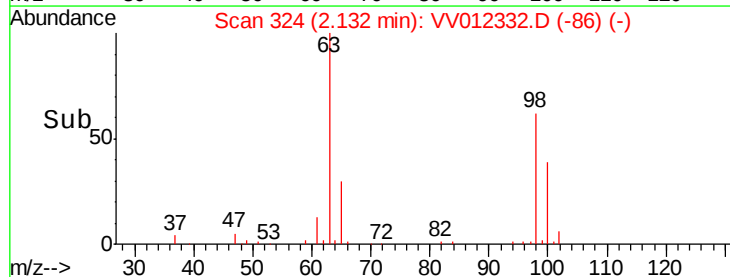
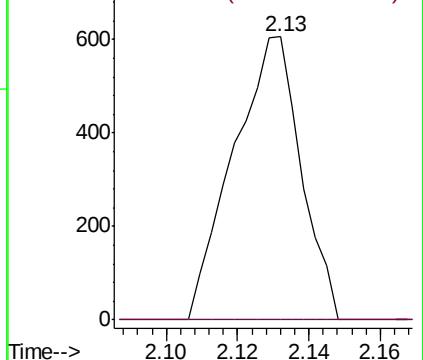
Ion Ratio Lower Upper

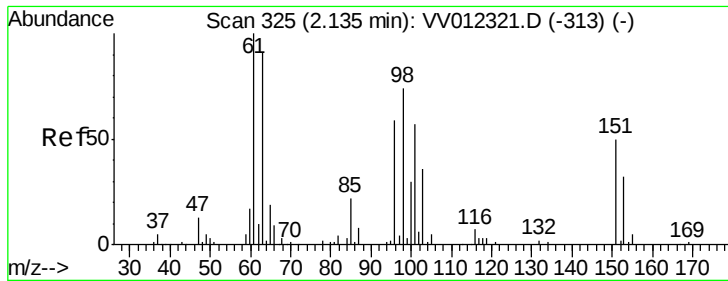
101 100

103 0.0 53.2 79.8#



Abundance Ion 101.00 (100.70 to 101.70): VV012321.D
Ion 103.00 (102.70 to 103.70): VV012332.D





#10

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

Concen: 0.855 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012332.D

Acq: 21 Aug 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

F2C03

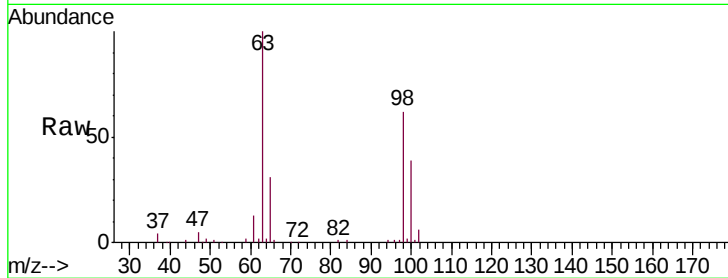
Tgt Ion: 101 Resp: 795

Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

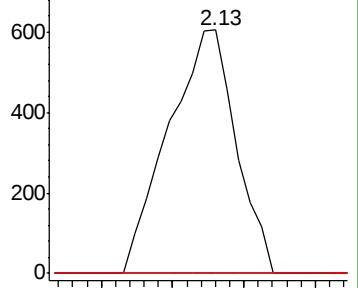
151 0.0 73.0 109.6#



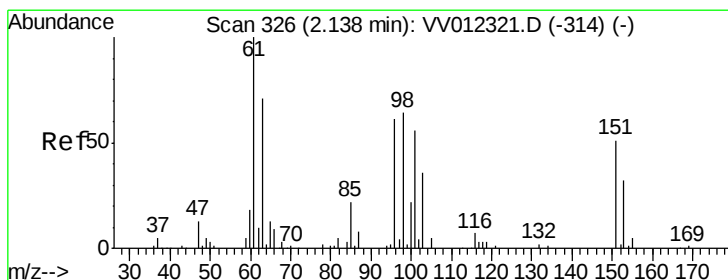
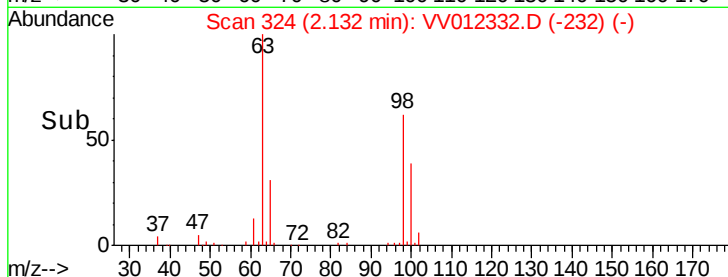
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 0.748 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012332.D

Acq: 21 Aug 2019 23:12

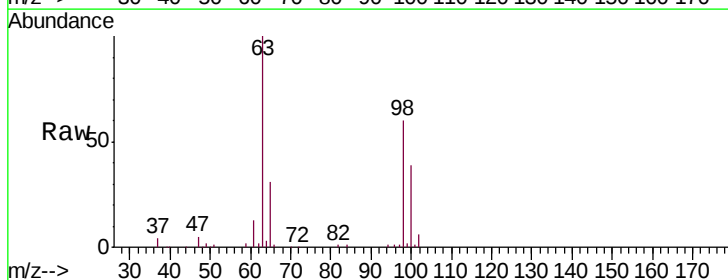
Tgt Ion: 96 Resp: 635

Ion Ratio Lower Upper

96 100

61 1570.5 122.6 227.8#

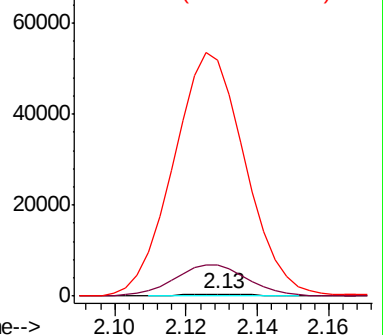
63 11915.2 98.6 183.2#



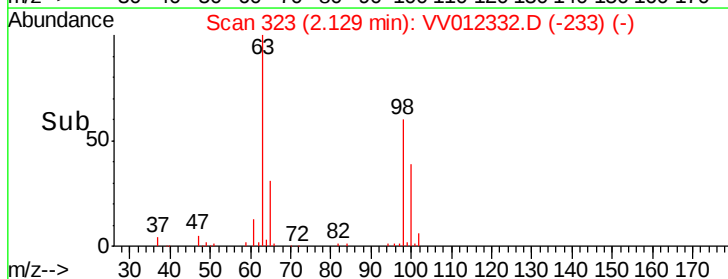
Abundance Ion 96.00 (95.70 to 96.70): VV0

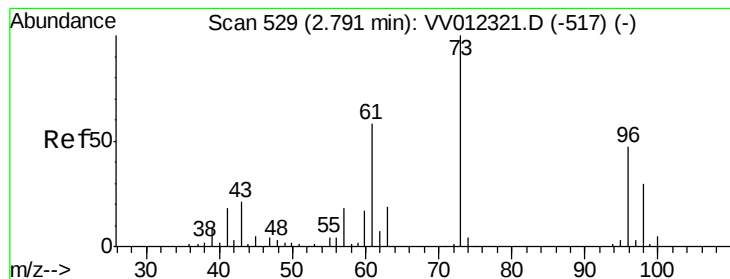
Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



Time-->





#17

trans-1,2-Dichloroethene

Concen: 0.539 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV012332.D

Acq: 21 Aug 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

F2C03

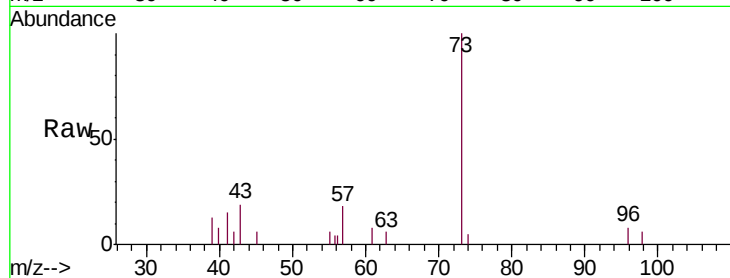
Tgt Ion: 96 Resp: 693

Ion Ratio Lower Upper

96 100

61 94.3 87.0 161.6

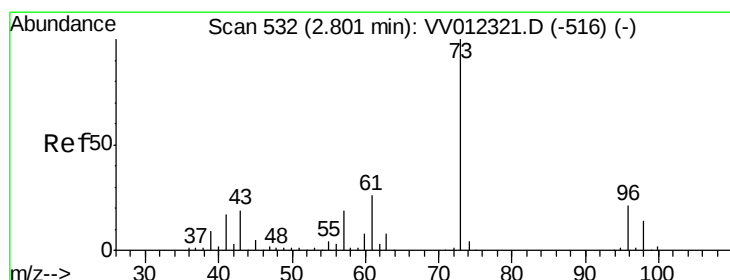
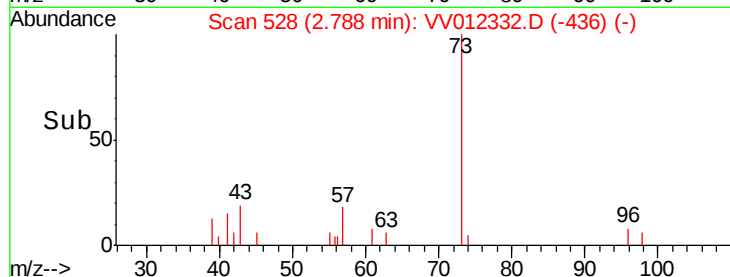
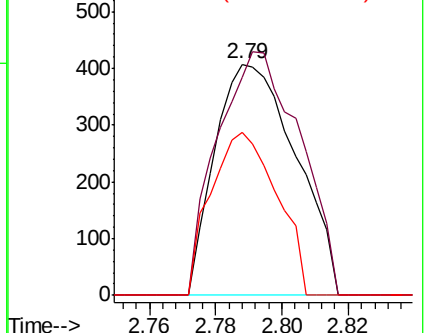
98 70.8 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 4.347 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012332.D

Acq: 21 Aug 2019 23:12

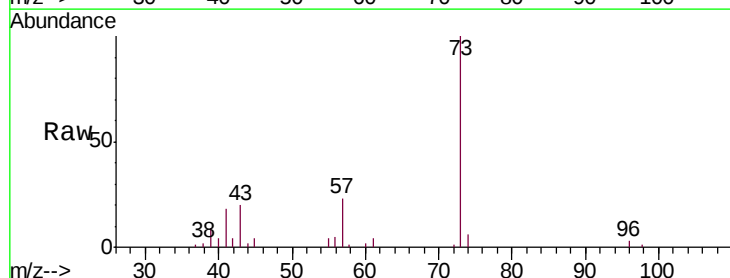
Tgt Ion: 73 Resp: 18510

Ion Ratio Lower Upper

73 100

43 20.5 16.6 25.0

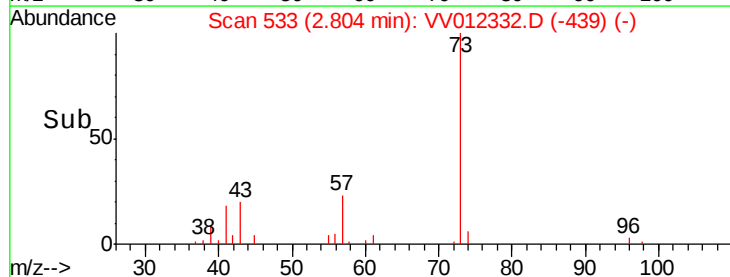
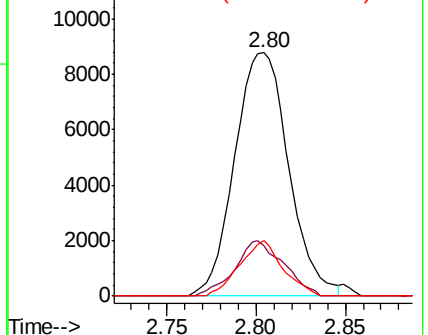
57 18.2 15.0 22.6

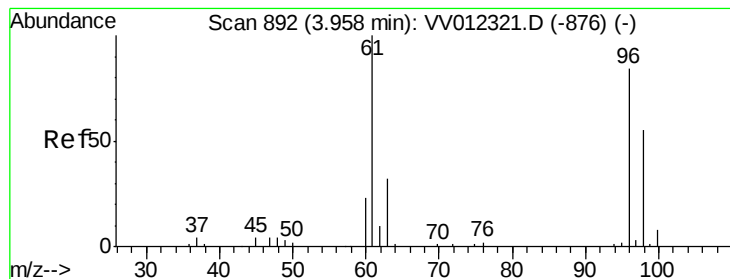


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



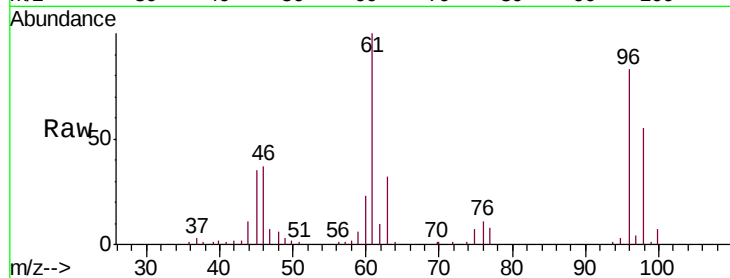


#20

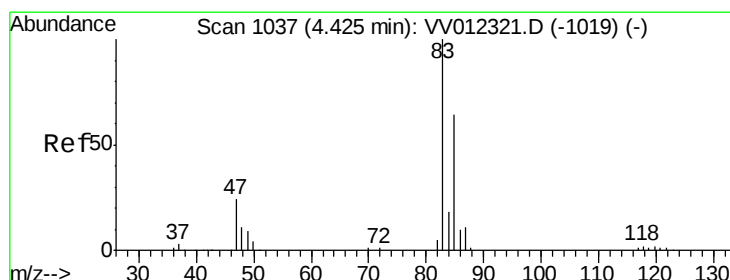
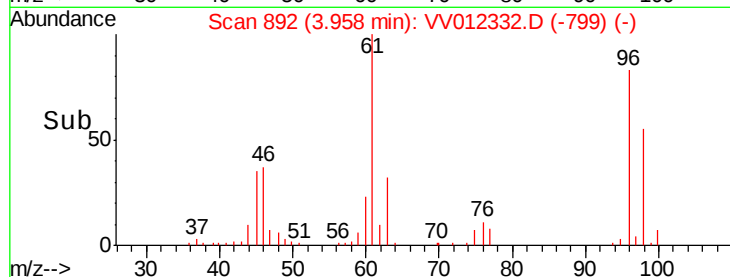
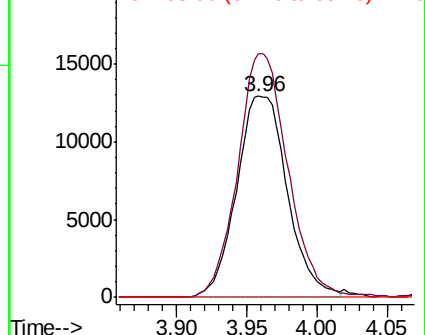
cis-1,2-Dichloroethene
 Concen: 22.771 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012332.D
 Acq: 21 Aug 2019 23:12

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C03

Tgt Ion: 96 Resp: 32569
 Ion Ratio Lower Upper
 96 100
 61 121.2 84.4 156.7
 68 0.0 0.0 0.0



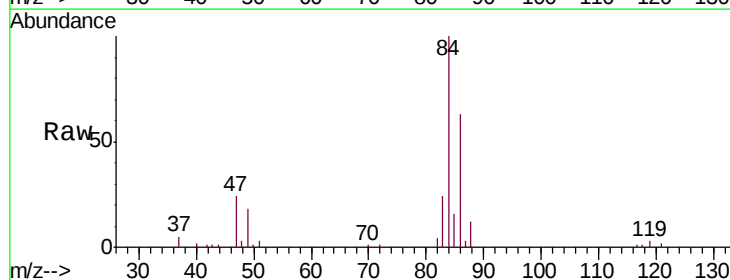
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0



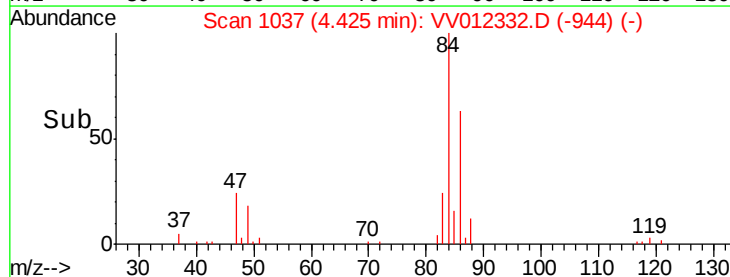
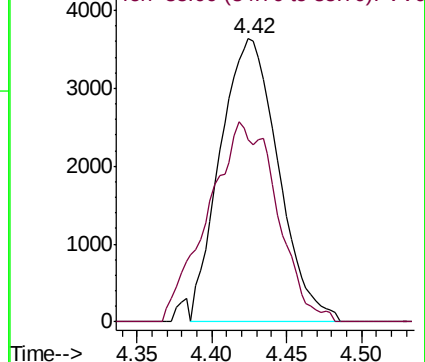
#25

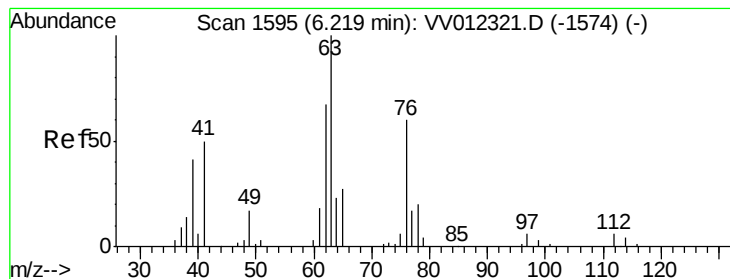
Chloroform
 Concen: 3.698 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VV012332.D
 Acq: 21 Aug 2019 23:12

Tgt Ion: 83 Resp: 9853
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.5 82.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#37

1,2-Dichloropropane

Concen: 8.651 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV012332.D

Acq: 21 Aug 2019 23:12

Instrument :

MSVOA_V

ClientSampleId :

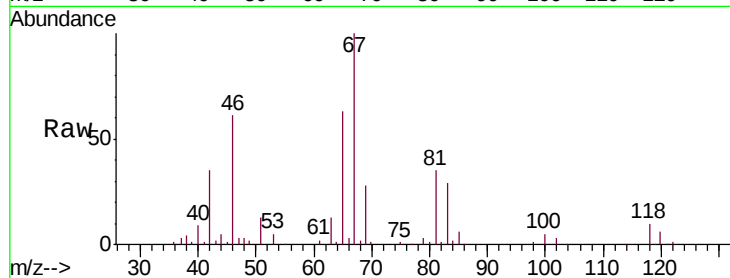
F2C03

Tgt Ion: 63 Resp: 9713

Ion Ratio Lower Upper

63 100

112 0.0 4.7 7.1#



Abundance Ion 63.00 (62.70 to 63.70): VV012332.D (-1564) (-)

Ion 112.00 (111.70 to 112.70): VV012332.D (-1564) (-)

6.12

5000

4000

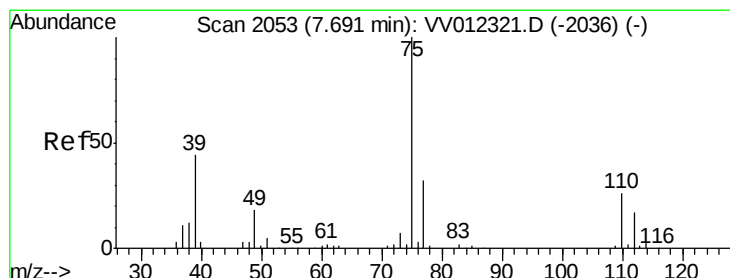
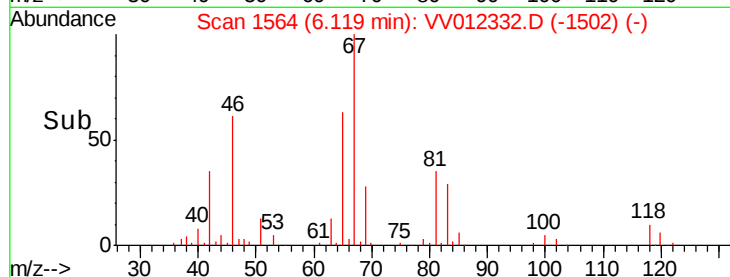
3000

2000

1000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.970 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV012332.D

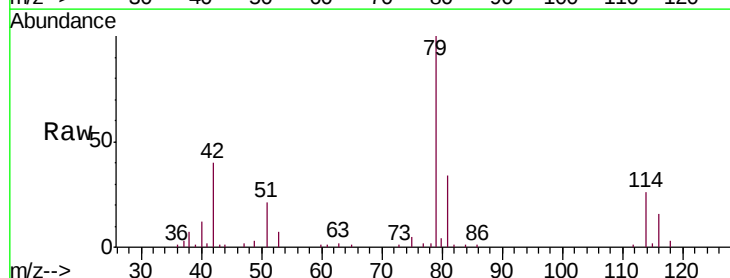
Acq: 21 Aug 2019 23:12

Tgt Ion: 75 Resp: 1927

Ion Ratio Lower Upper

75 100

77 34.6 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV012332.D (-1960) (-)

Ion 77.00 (76.70 to 77.70): VV012332.D (-1960) (-)

7.67

1200

1000

800

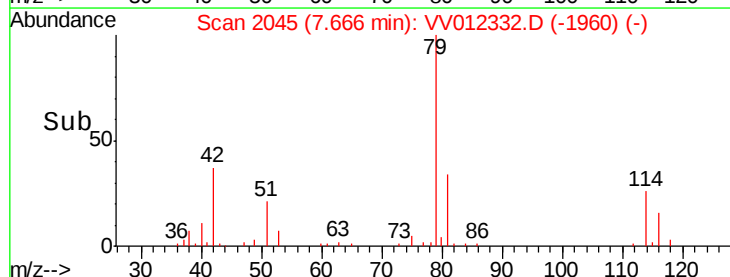
600

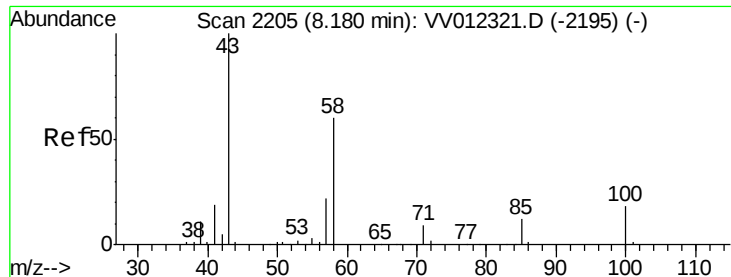
400

200

0

Time-->

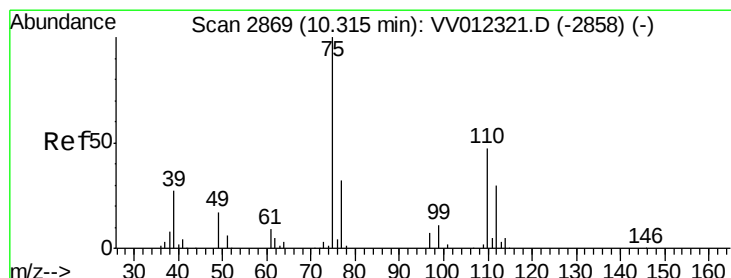
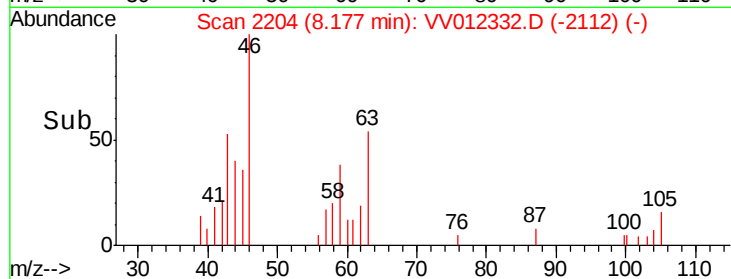
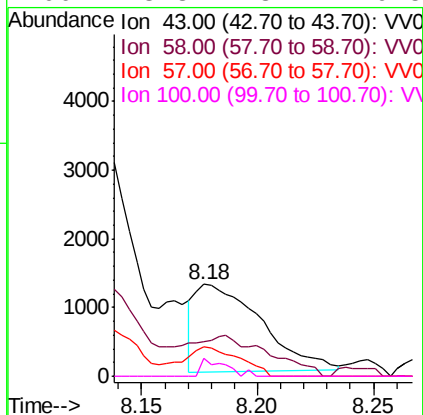
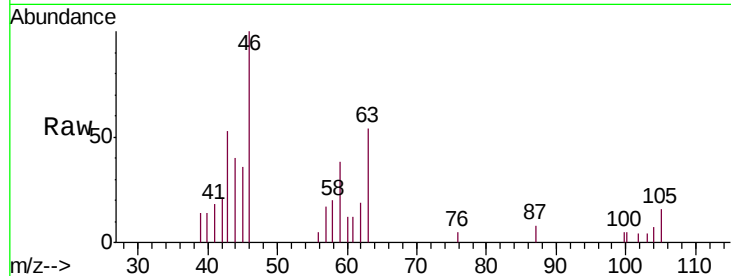




#48
2-Hexanone
Concen: 2.209 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV012332.D
Acq: 21 Aug 2019 23:12

Instrument :
MSVOA_V
ClientSampleId :
F2C03

Tgt Ion: 43 Resp: 2518
Ion Ratio Lower Upper
43 100
58 0.0 45.7 68.5#
57 29.0 16.8 25.2#
100 3.3 13.7 20.5#



#59
1,2,3-Trichloropropane
Concen: 4.931 ug/L
RT: 11.29 min Scan# 3173
Delta R.T. 0.98 min
Lab File: VV012332.D
Acq: 21 Aug 2019 23:12

Tgt Ion: 75 Resp: 7889
Ion Ratio Lower Upper
75 100
77 43.5 26.8 40.2#

