

Data File : VV012342.D
Acq On : 22 Aug 2019 12:55
Operator : SY/MD
Sample : K4454-11
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2C03

Quant Time: Aug 23 06:58:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 06:55:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	260535	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	246332	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	114602	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47021	38.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.24%
7) Chloroethane-d5	1.58	69	34390	38.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.78%
11) 1,1-Dichloroethene-d2	2.13	63	65220	26.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.72%#
21) 2-Butanone-d5	3.92	46	56458	58.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	58.72%
24) Chloroform-d	4.40	84	123368	35.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.38%
26) 1,2-Dichloroethane-d4	5.08	65	96451	39.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.78%
32) Benzene-d6	5.09	84	253624	38.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.22%
36) 1,2-Dichloropropane-d6	6.11	67	69792	39.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.58%
41) Toluene-d8	7.36	98	240043	37.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.98%#
43) trans-1,3-Dichloropropene-	7.66	79	38926	35.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.16%
47) 2-Hexanone-d5	8.13	63	44065	60.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	60.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	93959	37.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	74.28%
64) 1,2-Dichlorobenzene-d4	11.67	152	103443	41.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.12%

Target Compounds

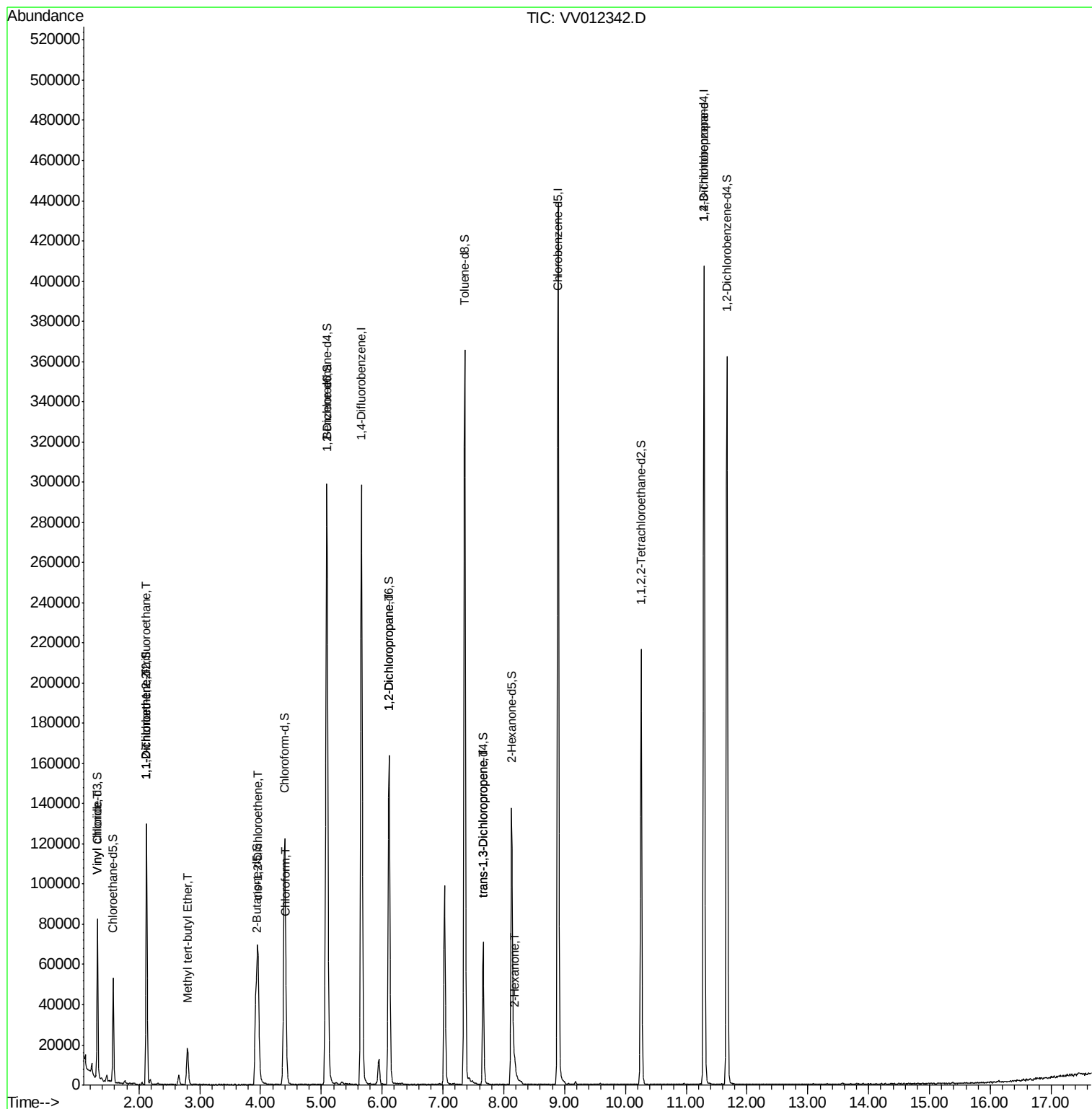
						Qvalue
5) Vinyl chloride	1.32	62	1909	1.517	ug/L #	29
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	766	0.668	ug/L #	13
12) 1,1-Dichloroethene	2.13	96	720	0.687	ug/L #	1
18) Methyl tert-butyl Ether	2.80	73	17469	3.325	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	32619	18.484	ug/L	87
25) Chloroform	4.42	83	9066	2.758	ug/L	98
37) 1,2-Dichloropropane	6.11	63	9293	6.602	ug/L #	82
44) trans-1,3-Dichloropropene	7.66	75	1776	0.713	ug/L	89
48) 2-Hexanone	8.18	43	2789	1.952	ug/L #	92
59) 1,2,3-Trichloropropane	11.29	75	10033	5.002	ug/L #	81

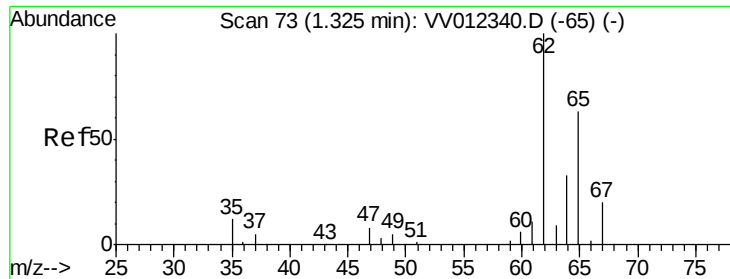
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 23 06:55:48 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.517 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012342.D

Acq: 22 Aug 2019 12:55

Instrument :

MSVOA_V

ClientSampleId :

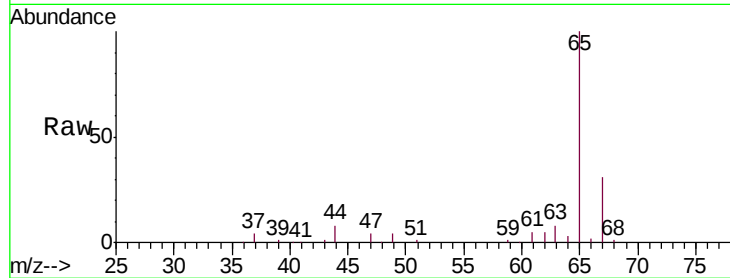
F2C03

Tgt Ion: 62 Resp: 1909

Ion Ratio Lower Upper

62 100

64 74.0 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

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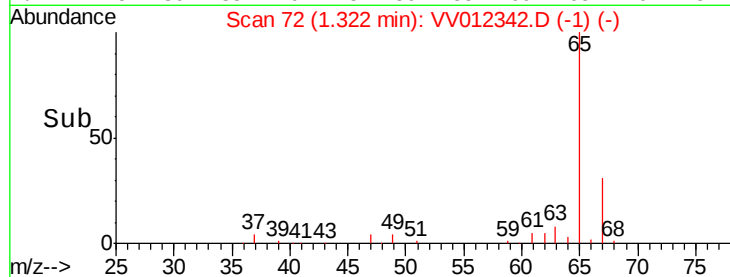
1.32

1.32

1.32

1.32

1.32



#10

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

Concen: 0.668 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012342.D

Acq: 22 Aug 2019 12:55

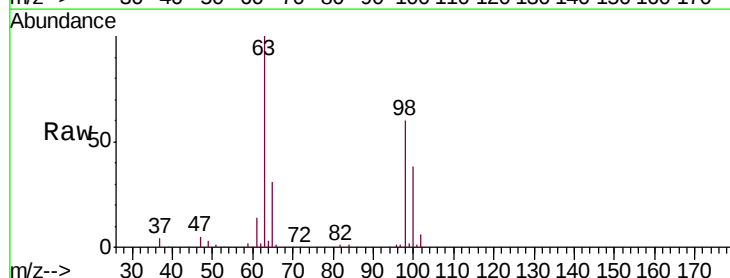
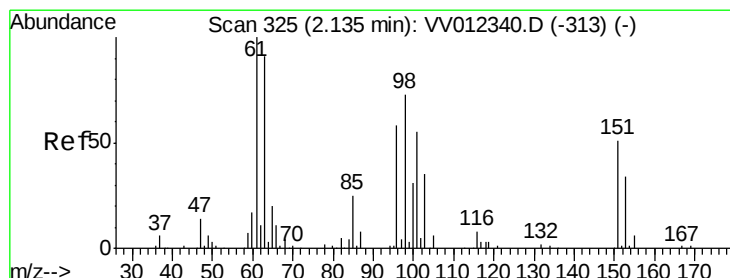
Tgt Ion: 101 Resp: 766

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

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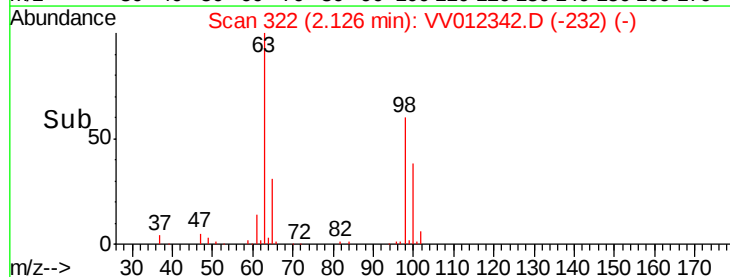
2.13

2.13

2.13

2.13

2.13



#10

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

Concen: 0.668 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV012342.D

Acq: 22 Aug 2019 12:55

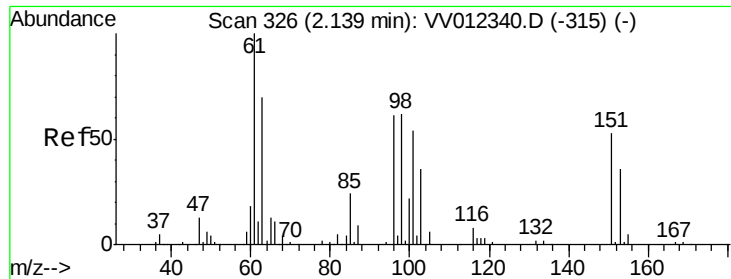
Tgt Ion: 101 Resp: 766

Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

151 0.0 73.0 109.6#



#12

1,1-Dichloroethene

Concen: 0.687 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012342.D

Acq: 22 Aug 2019 12:55

Instrument :

MSVOA_V

ClientSampleId :

F2C03

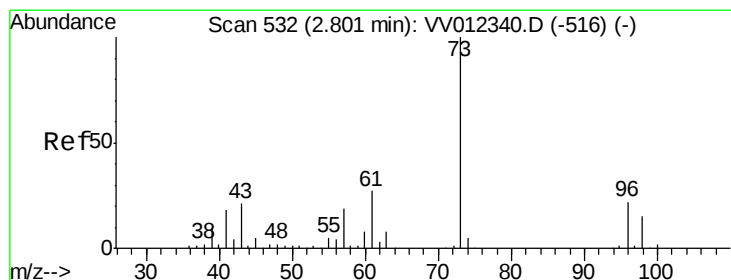
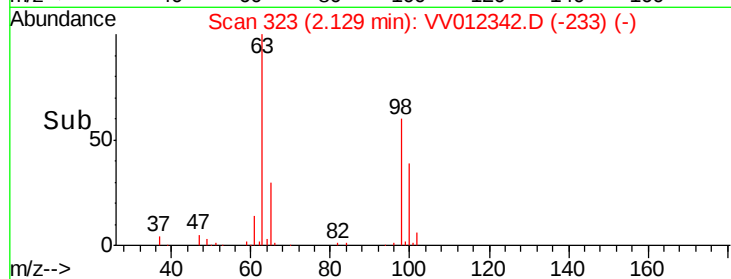
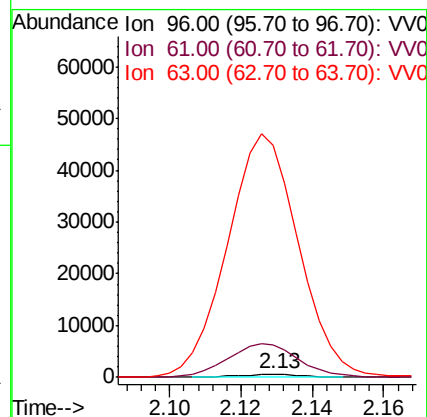
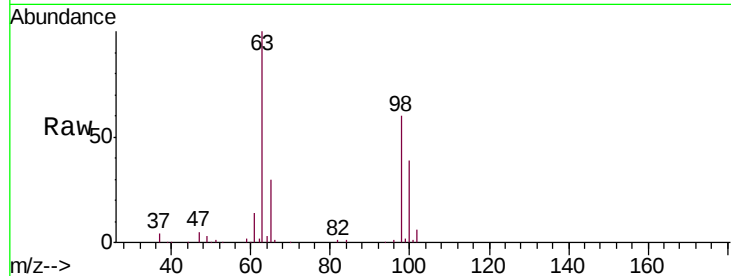
Tgt Ion: 96 Resp: 720

Ion Ratio Lower Upper

96 100

61 1068.9 122.6 227.8#

63 7573.6 98.6 183.2#



#18

Methyl tert-butyl Ether

Concen: 3.325 ug/L

RT: 2.80 min Scan# 531

Delta R.T. -0.00 min

Lab File: VV012342.D

Acq: 22 Aug 2019 12:55

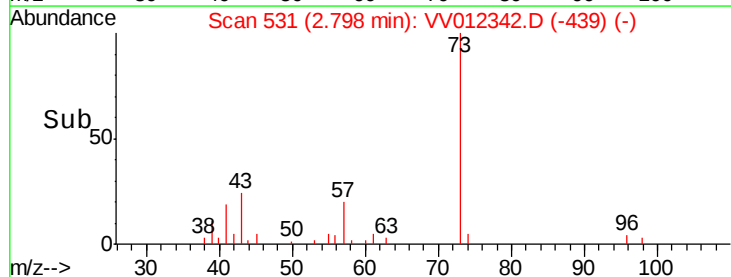
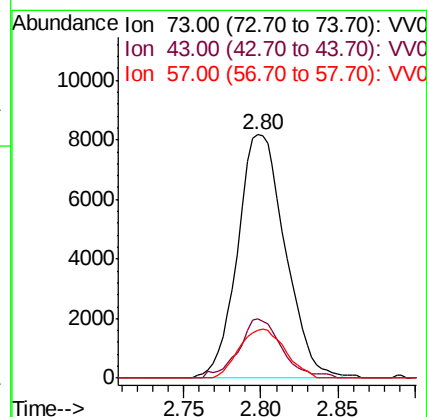
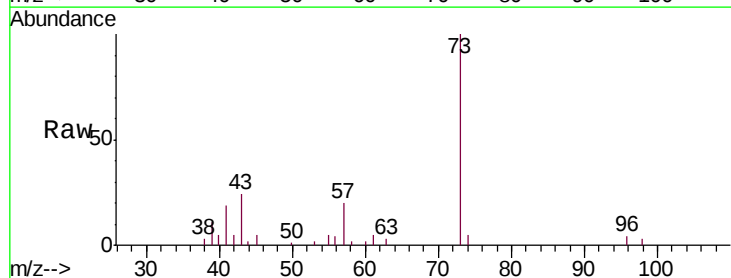
Tgt Ion: 73 Resp: 17469

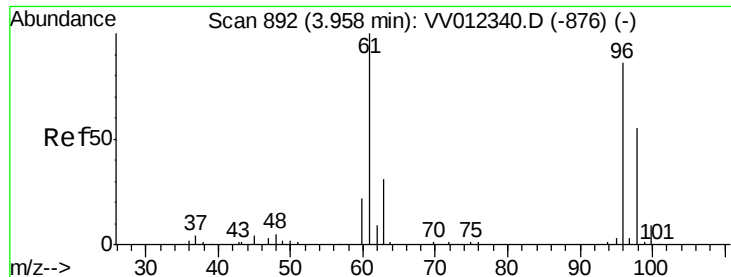
Ion Ratio Lower Upper

73 100

43 19.4 16.6 25.0

57 19.5 15.0 22.6

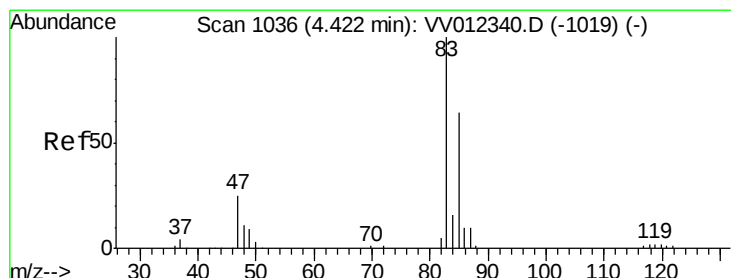
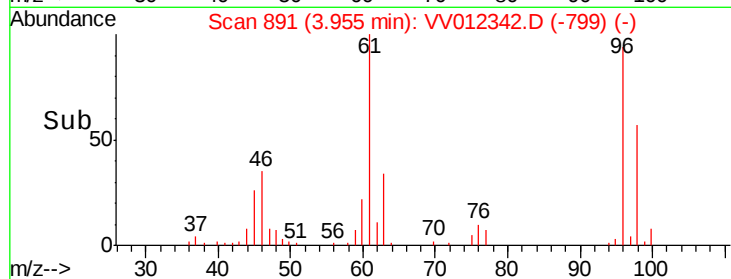
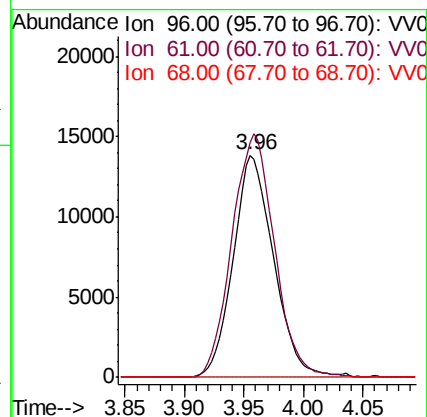
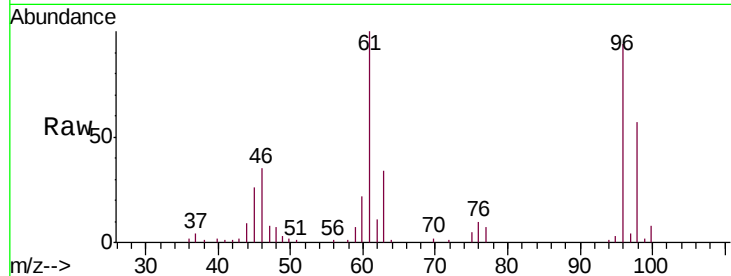




#20
 cis-1,2-Dichloroethene
 Concen: 18.484 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV012342.D
 Acq: 22 Aug 2019 12:55

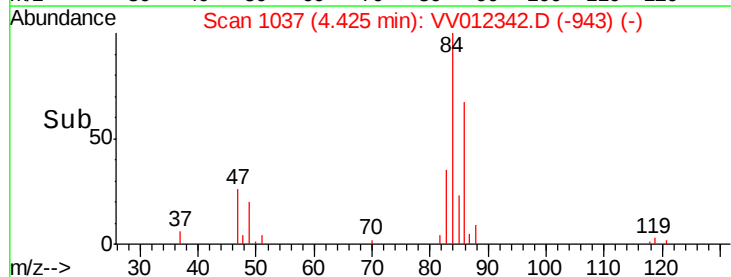
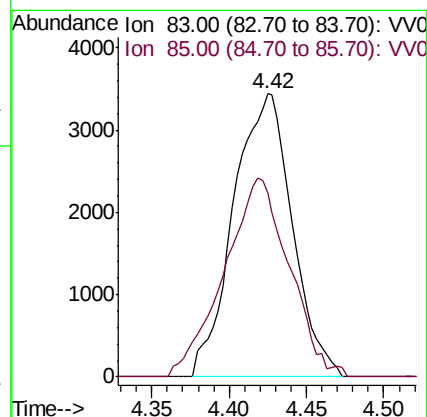
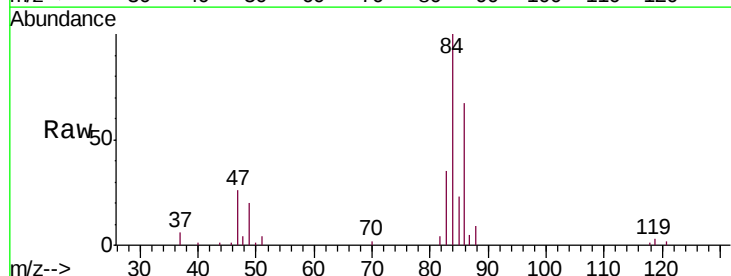
Instrument :
 MSVOA_V
 ClientSampleId :
 F2C03

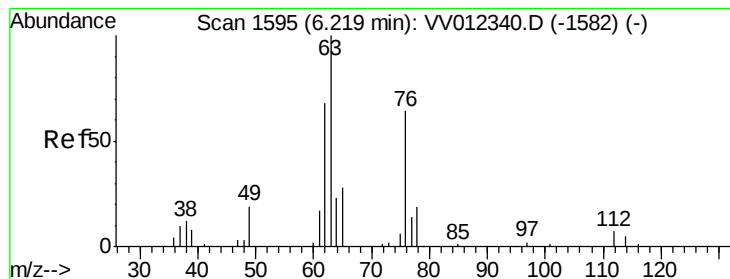
Tgt Ion: 96 Resp: 32619
 Ion Ratio Lower Upper
 96 100
 61 105.9 84.4 156.7
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 2.758 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012342.D
 Acq: 22 Aug 2019 12:55

Tgt Ion: 83 Resp: 9066
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.5 82.7





#37

1,2-Dichloropropane

Concen: 6.602 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.11 min

Lab File: VV012342.D

Acq: 22 Aug 2019 12:55

Instrument :

MSVOA_V

ClientSampleID :

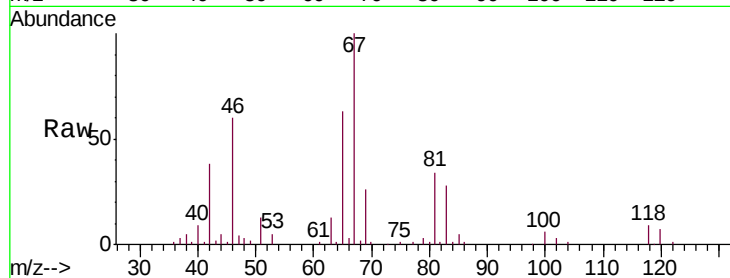
F2C03

Tgt Ion: 63 Resp: 9293

Ion Ratio Lower Upper

63 100

112 0.0 4.7 7.1#



Abundance Ion 63.00 (62.70 to 63.70): VV012340.D (-1582) (-)

Ion 112.00 (111.70 to 112.70): VV012340.D (-1582) (-)

6.11

5000

4000

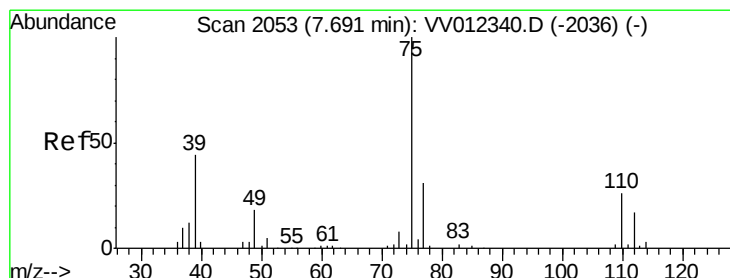
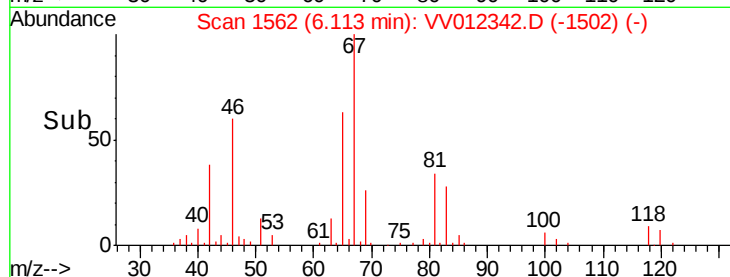
3000

2000

1000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.713 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV012342.D

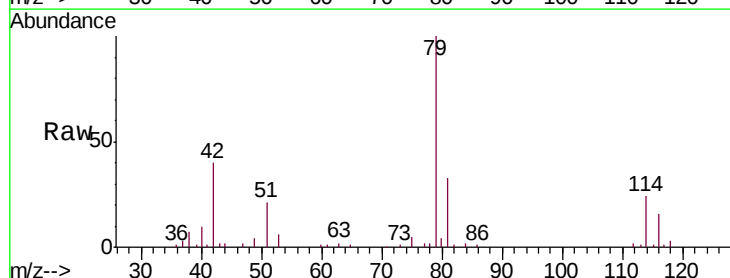
Acq: 22 Aug 2019 12:55

Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

75 100

77 36.9 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV012340.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV012340.D (-2036) (-)

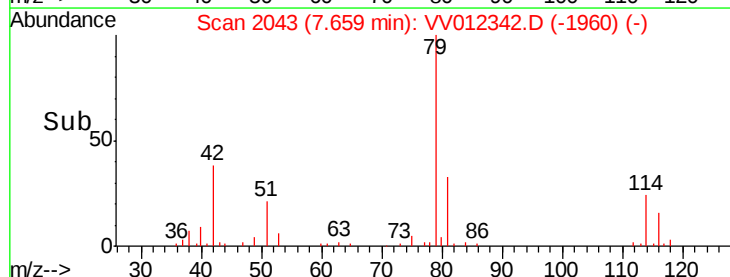
7.66

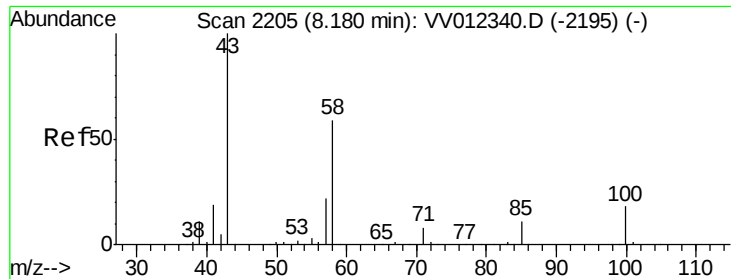
1000

500

0

Time-->

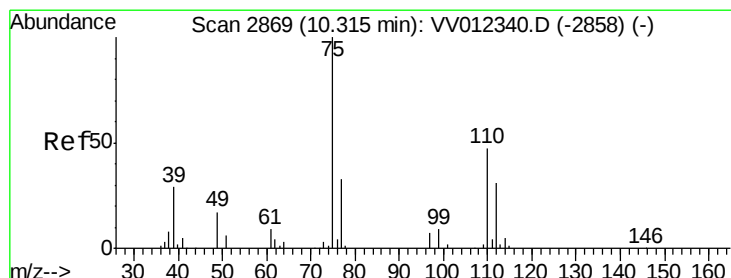
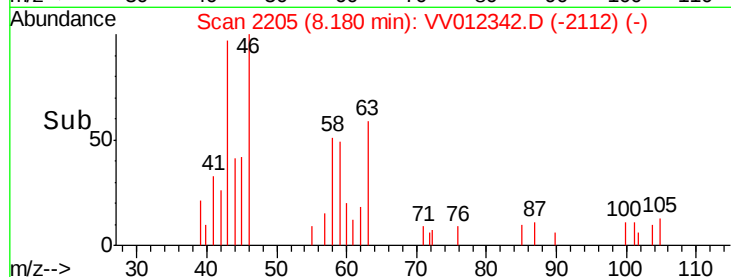
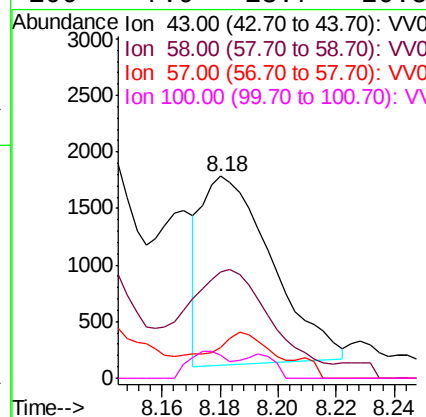
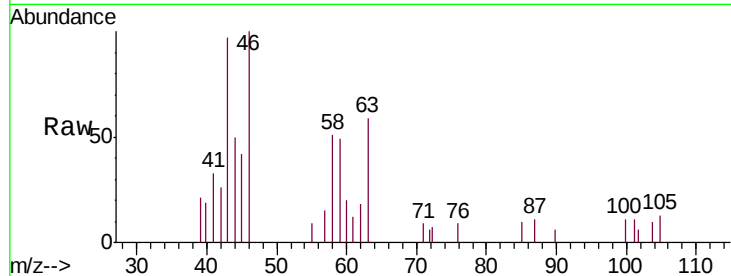




#48
 2-Hexanone
 Concen: 1.952 ug/L
 RT: 8.18 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VV012342.D
 Acq: 22 Aug 2019 12:55

Instrument :
 MSVOA_V
 ClientSampled :
 F2C03

Tgt Ion: 43 Resp: 2789
 Ion Ratio Lower Upper
 43 100
 58 53.5 45.7 68.5
 57 17.9 16.8 25.2
 100 7.9 13.7 20.5#



#59
 1,2,3-Trichloropropane
 Concen: 5.002 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.98 min
 Lab File: VV012342.D
 Acq: 22 Aug 2019 12:55

Tgt Ion: 75 Resp: 10033
 Ion Ratio Lower Upper
 75 100
 77 44.3 26.8 40.2#

