

Data File : VV012354.D
Acq On : 22 Aug 2019 17:56
Operator : SY/MD
Sample : K4485-15
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2B93

Quant Time: Aug 23 07:00:42 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	173528	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	167595	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	74356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60486	73.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	147.24%#
7) Chloroethane-d5	1.58	69	28602	48.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.12%
11) 1,1-Dichloroethene-d2	2.13	63	58833	36.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.76%
21) 2-Butanone-d5	3.93	46	57391	89.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.62%
24) Chloroform-d	4.40	84	113878	48.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.54%
26) 1,2-Dichloroethane-d4	5.08	65	90273	56.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.12%
32) Benzene-d6	5.10	84	221684	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.12	67	59413	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.32%
41) Toluene-d8	7.36	98	213756	49.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.14%
43) trans-1,3-Dichloropropene-	7.66	79	35616	47.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.70%
47) 2-Hexanone-d5	8.13	63	44401	89.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.01%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	83933	48.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.52%
64) 1,2-Dichlorobenzene-d4	11.67	152	91662	56.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.14%

Target Compounds

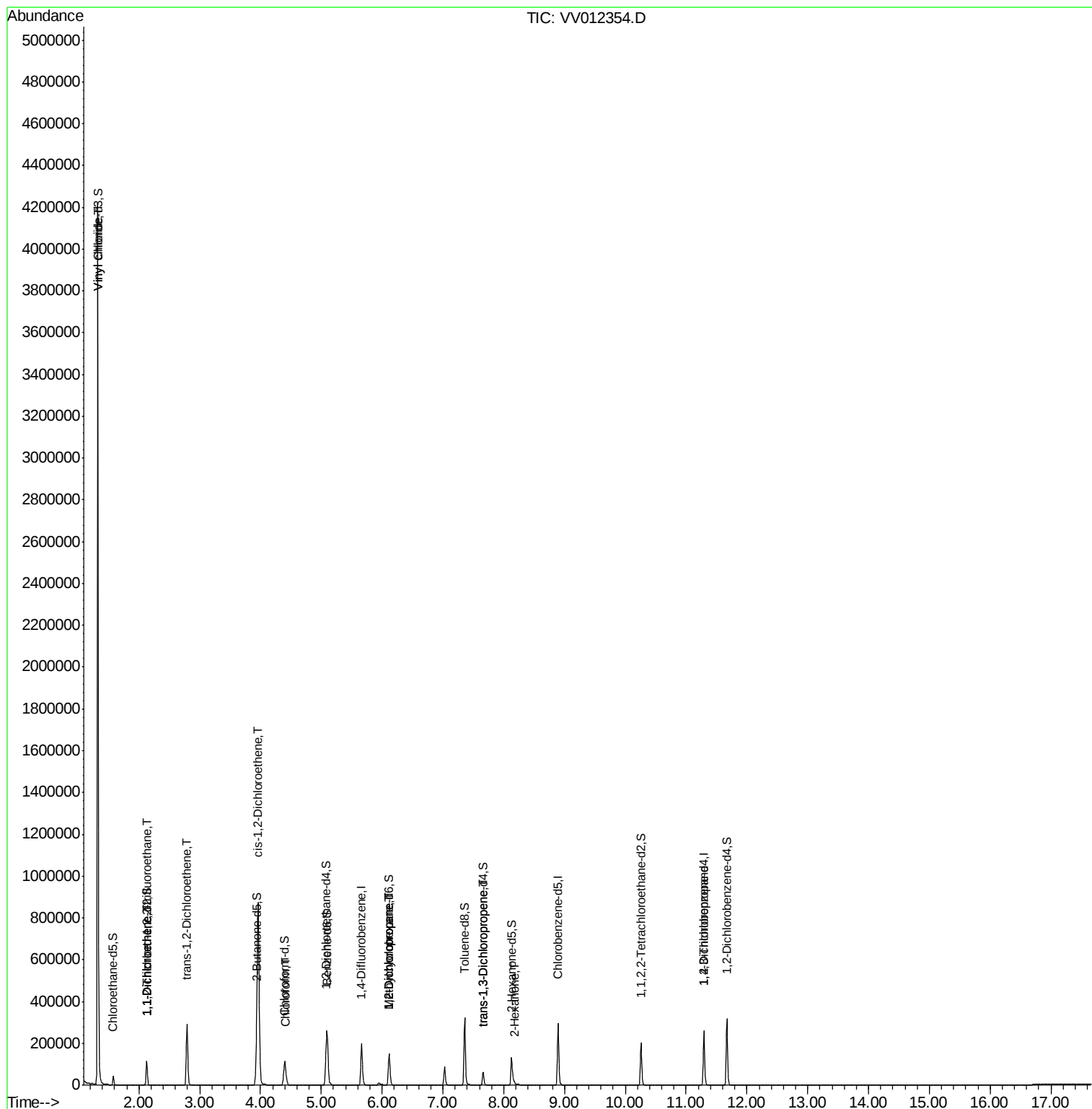
						Qvalue
5) Vinyl chloride	1.33	62	2433189	2903.261	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	430	0.563	ug/L #	13
12) 1,1-Dichloroethene	2.14	96	796	1.140	ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	110547	104.658	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	505930	430.429	ug/L	97
25) Chloroform	4.43	83	9697	4.429	ug/L	91
35) Methylcyclohexane	6.12	83	18409	9.840	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	8753	9.140	ug/L #	82
44) trans-1,3-Dichloropropene	7.66	75	1565	0.924	ug/L #	71
48) 2-Hexanone	8.18	43	2872	2.954	ug/L #	82
59) 1,2,3-Trichloropropane	11.29	75	6255	4.584	ug/L #	80

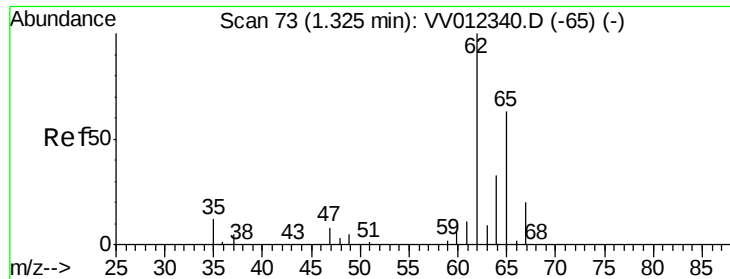
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 2903.261 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

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Acq: 22 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

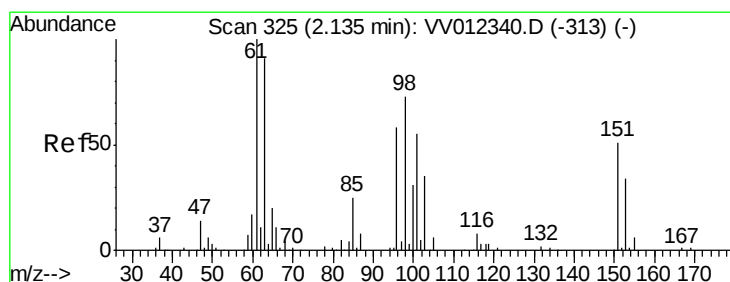
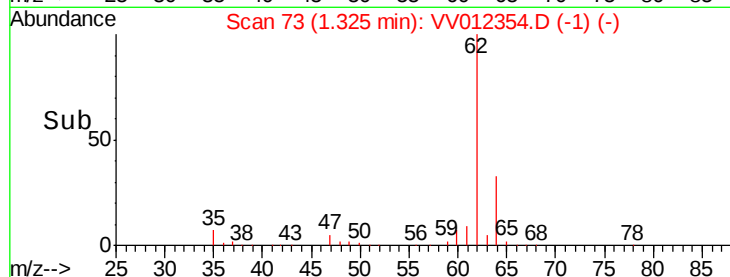
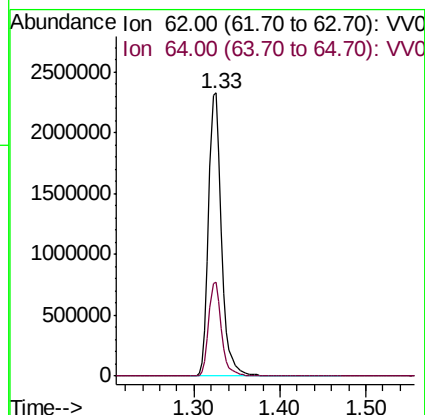
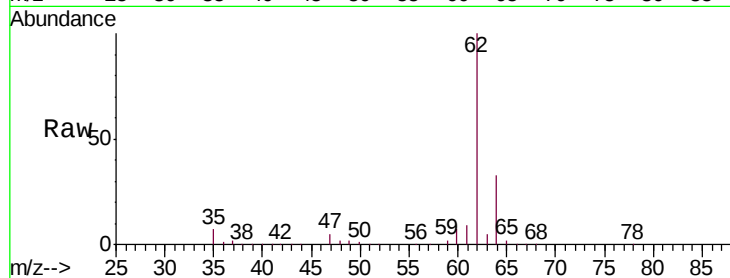
F2B93

Tgt Ion: 62 Resp: 2433189

Ion Ratio Lower Upper

62 100

64 33.3 23.5 43.7



#10

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

Concen: 0.563 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

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Acq: 22 Aug 2019 17:56

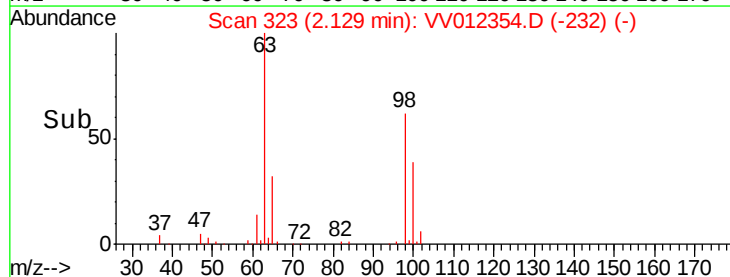
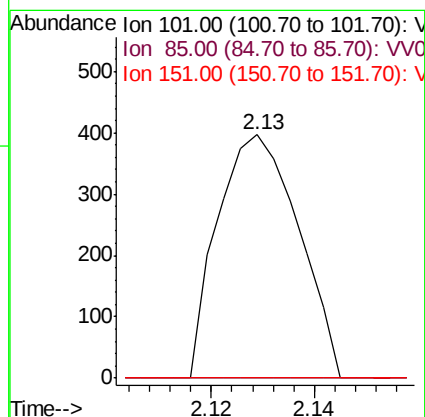
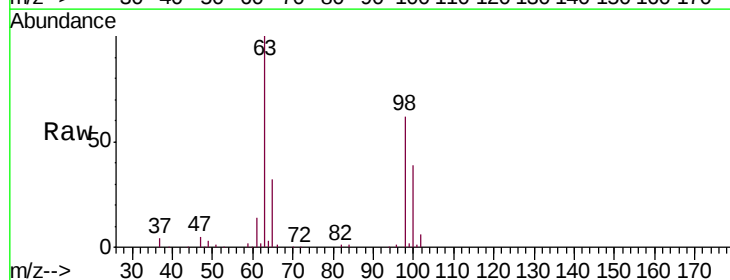
Tgt Ion: 101 Resp: 430

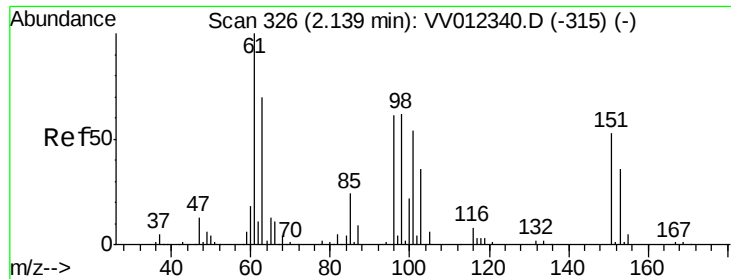
Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

151 0.0 73.0 109.6#





#12

1,1-Dichloroethene

Concen: 1.140 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012354.D

Acq: 22 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampled :

F2B93

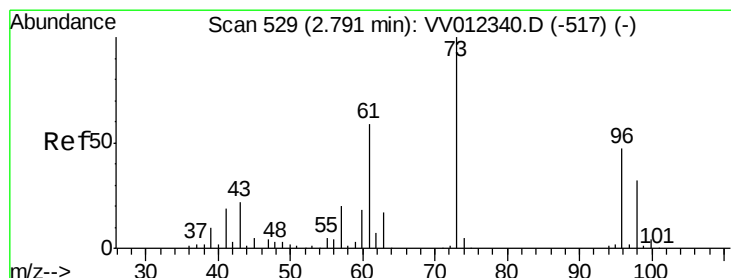
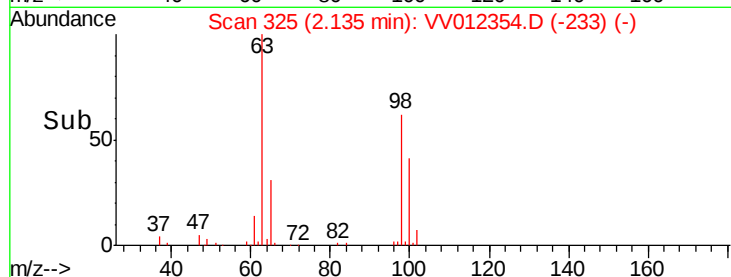
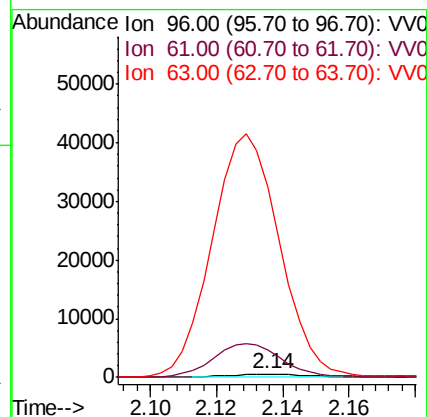
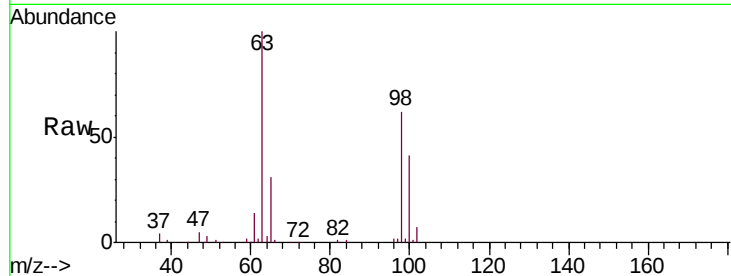
Tgt Ion: 96 Resp: 796

Ion Ratio Lower Upper

96 100

61 863.4 122.6 227.8#

63 6005.9 98.6 183.2#



#17

trans-1,2-Dichloroethene

Concen: 104.658 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV012354.D

Acq: 22 Aug 2019 17:56

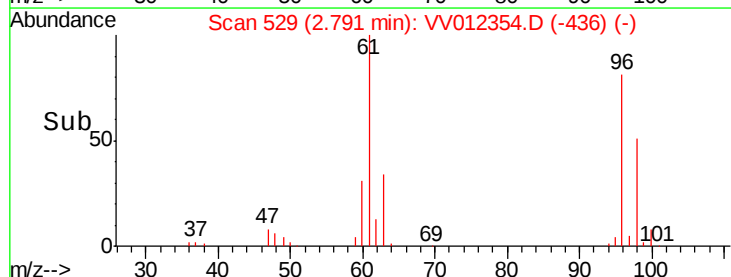
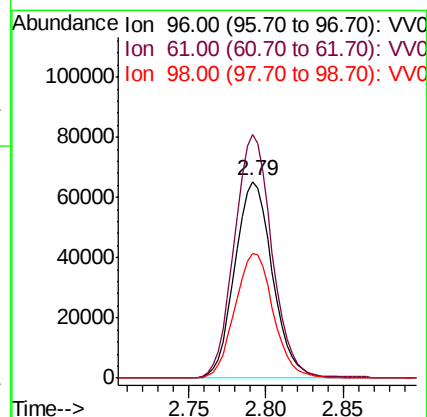
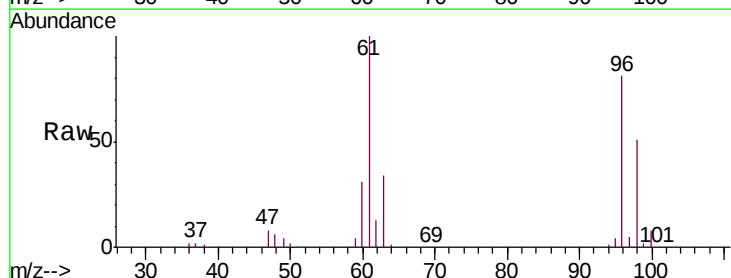
Tgt Ion: 96 Resp: 110547

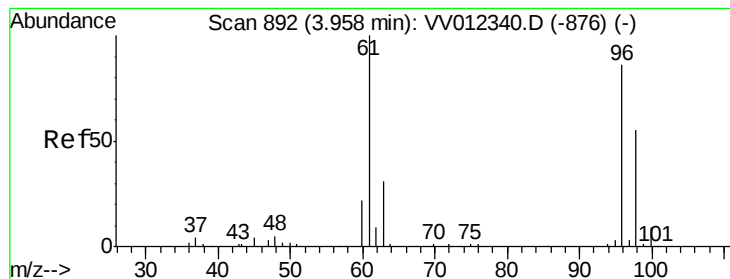
Ion Ratio Lower Upper

96 100

61 123.7 87.0 161.6

98 63.4 43.8 81.4





#20

cis-1,2-Dichloroethene

Concen: 430.429 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV012354.D

Acq: 22 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampleId :

F2B93

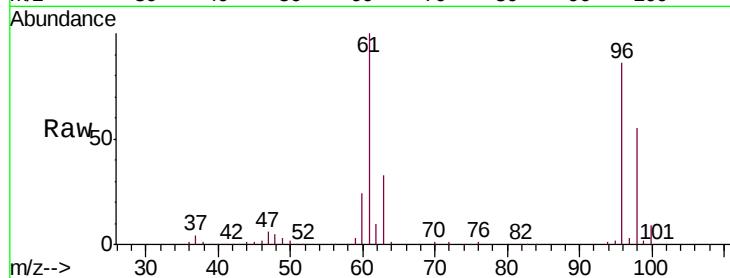
Tgt Ion: 96 Resp: 505930

Ion Ratio Lower Upper

96 100

61 116.8 84.4 156.7

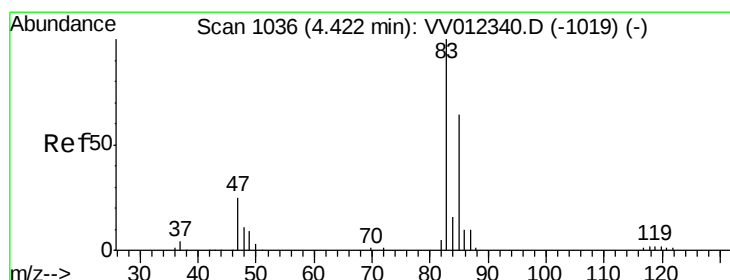
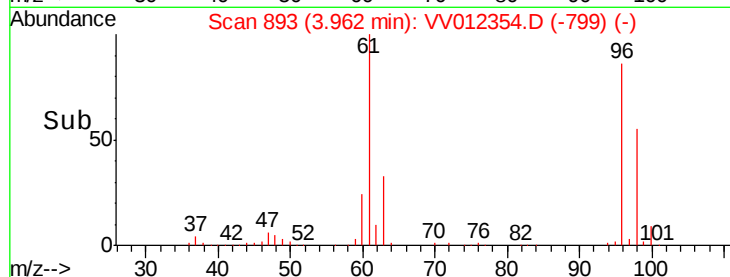
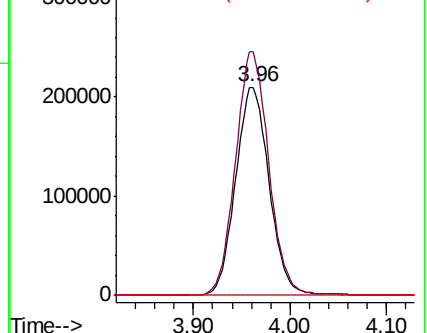
68 0.0 0.0 0.0



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: 4.429 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VV012354.D

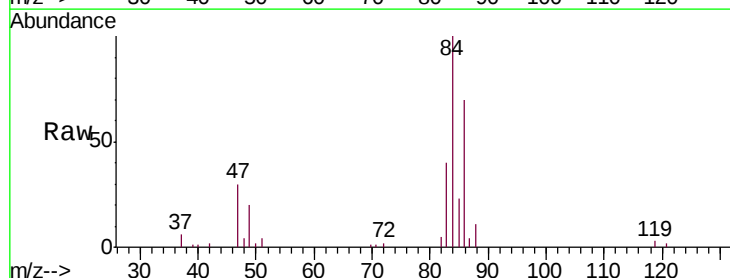
Acq: 22 Aug 2019 17:56

Tgt Ion: 83 Resp: 9697

Ion Ratio Lower Upper

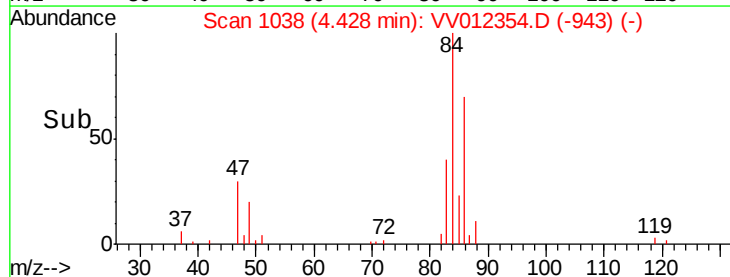
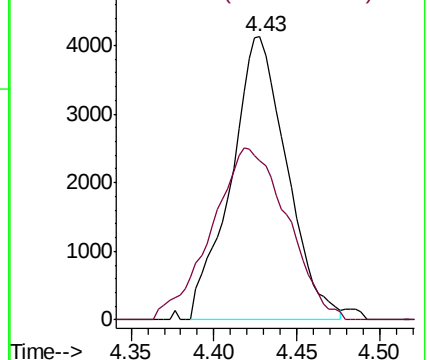
83 100

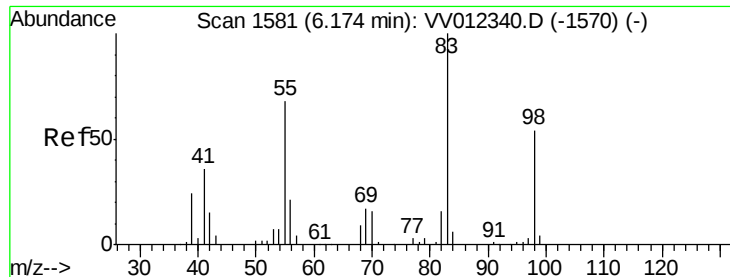
85 56.4 44.5 82.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

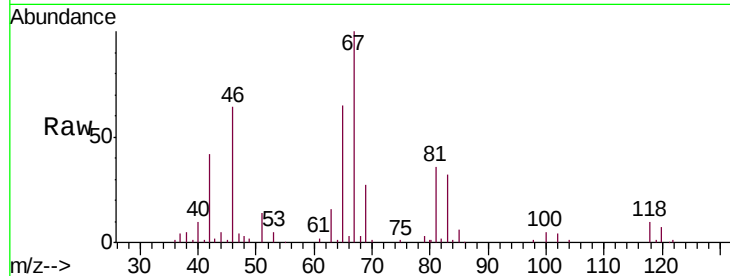




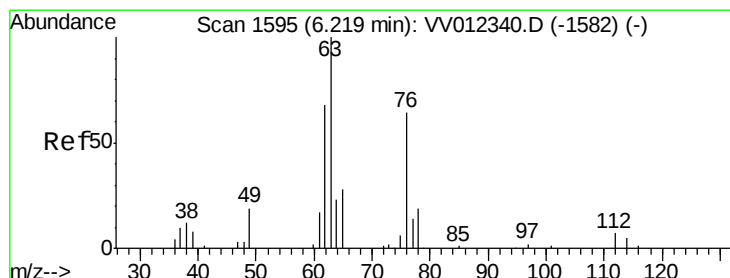
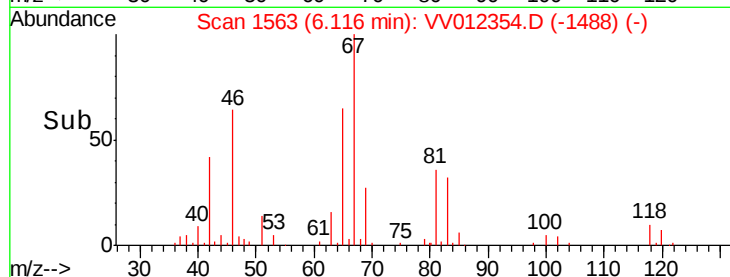
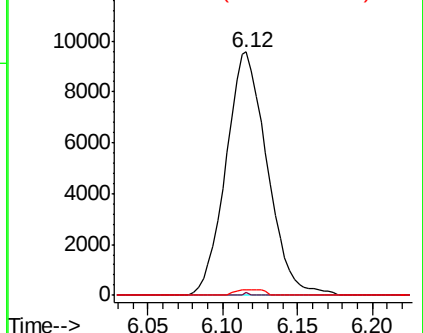
#35
Methylcyclohexane
Concen: 9.840 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012354.D
Acq: 22 Aug 2019 17:56

Instrument :
MSVOA_V
ClientSampleId :
F2B93

Tgt Ion: 83 Resp: 18409
Ion Ratio Lower Upper
83 100
55 0.0 56.2 84.4#
98 0.7 42.2 63.4#

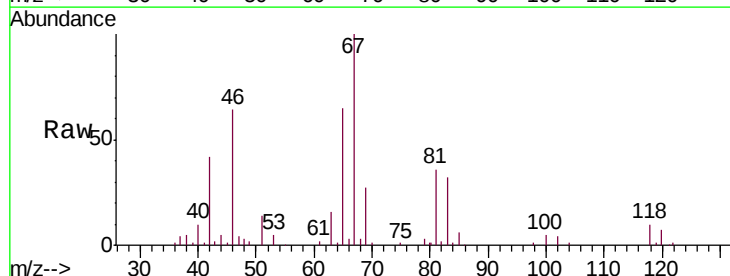


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

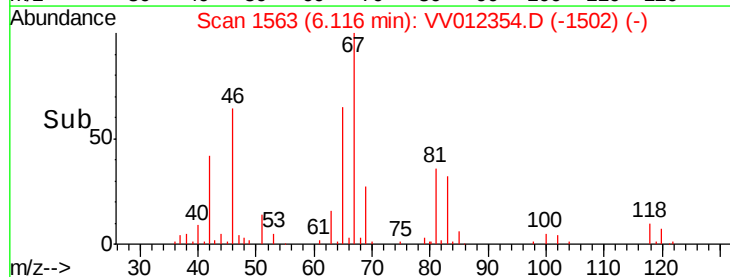
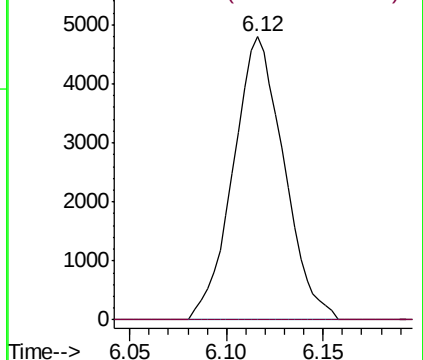


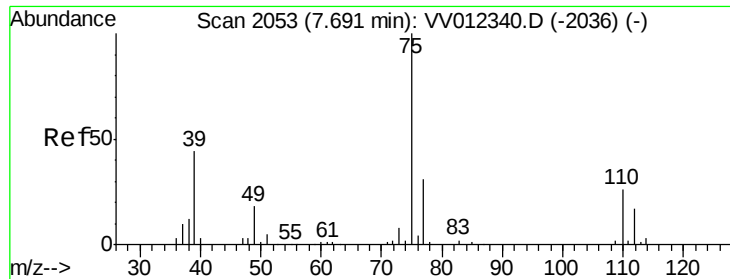
#37
1,2-Dichloropropane
Concen: 9.140 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012354.D
Acq: 22 Aug 2019 17:56

Tgt Ion: 63 Resp: 8753
Ion Ratio Lower Upper
63 100
112 0.0 4.7 7.1#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#44

trans-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV012354.D

Acq: 22 Aug 2019 17:56

Instrument :

MSVOA_V

ClientSampled :

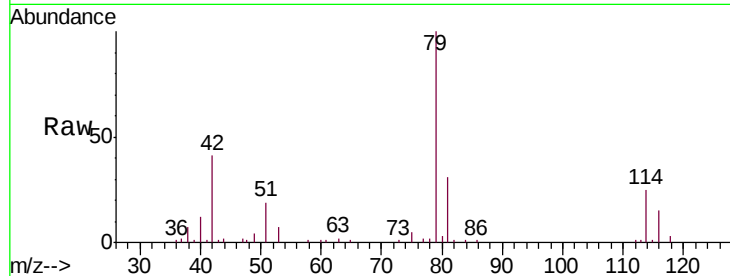
F2B93

Tgt Ion: 75 Resp: 1565

Ion Ratio Lower Upper

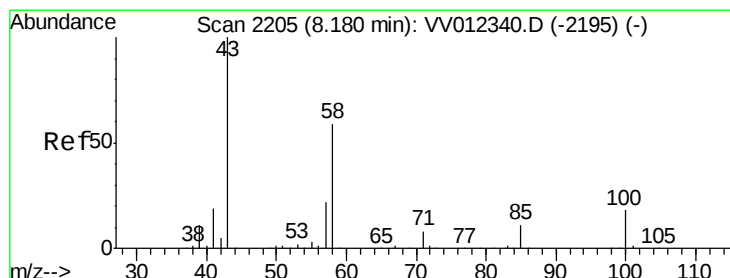
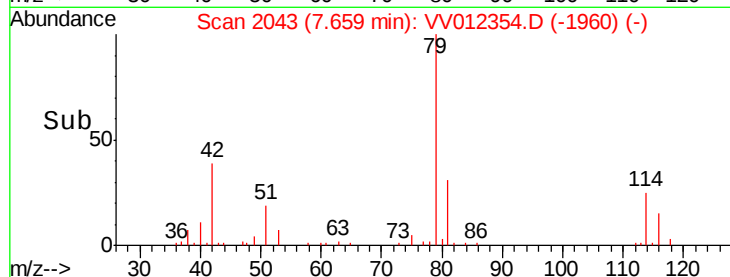
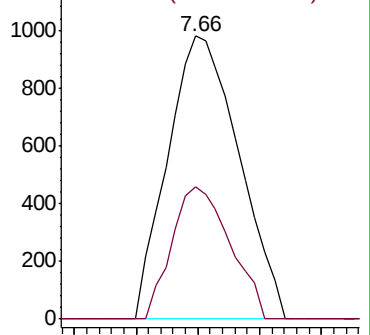
75 100

77 46.8 21.7 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#48

2-Hexanone

Concen: 2.954 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV012354.D

Acq: 22 Aug 2019 17:56

Tgt Ion: 43 Resp: 2872

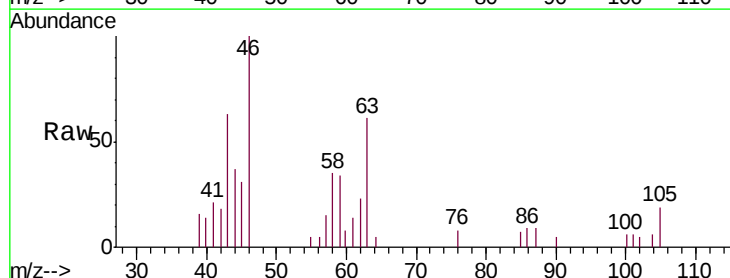
Ion Ratio Lower Upper

43 100

58 52.1 45.7 68.5

57 5.8 16.8 25.2#

100 1.2 13.7 20.5#

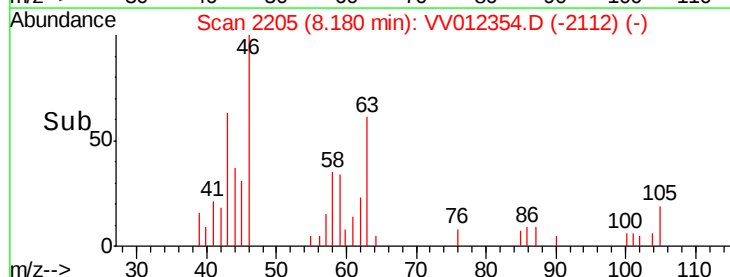
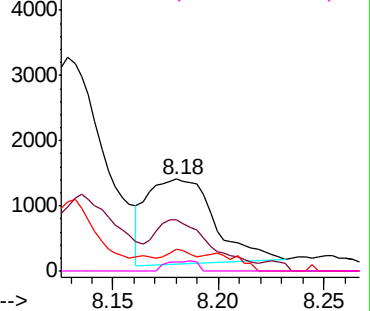


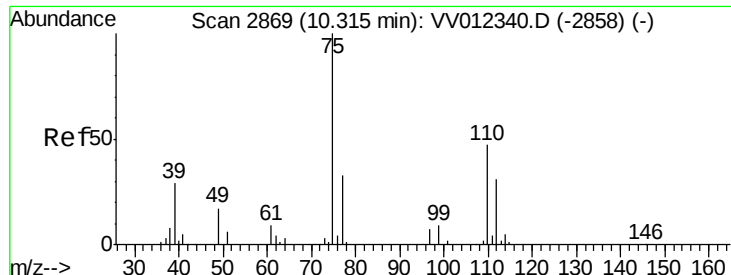
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 4.584 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.98 min

Lab File: VV012354.D

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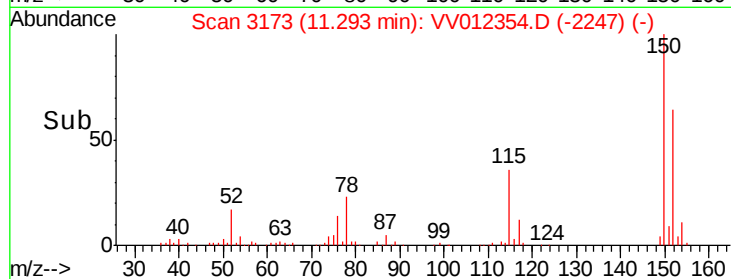
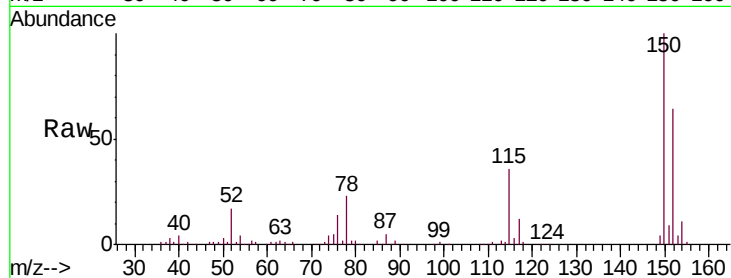
F2B93

Tgt Ion: 75 Resp: 6255

Ion Ratio Lower Upper

75 100

77 44.8 26.8 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

