

Data File : VV012344.D
Acq On : 22 Aug 2019 13:51
Operator : SY/MD
Sample : K4454-12DL 5X
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2C08DL

Quant Time: Aug 23 06:59:08 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	191009	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	183109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	84295	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39631	43.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.64%
7) Chloroethane-d5	1.58	69	31029	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.72%
11) 1,1-Dichloroethene-d2	2.13	63	64049	35.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.96%
21) 2-Butanone-d5	3.92	46	56256	79.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.81%
24) Chloroform-d	4.40	84	121204	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.08	65	96404	54.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.78%
32) Benzene-d6	5.10	84	236469	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
36) 1,2-Dichloropropane-d6	6.12	67	63473	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.14%
41) Toluene-d8	7.36	98	227011	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.66	79	36259	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
47) 2-Hexanone-d5	8.13	63	43813	80.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.39%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	88094	46.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.68%
64) 1,2-Dichlorobenzene-d4	11.67	152	97036	52.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.72%

Target Compounds

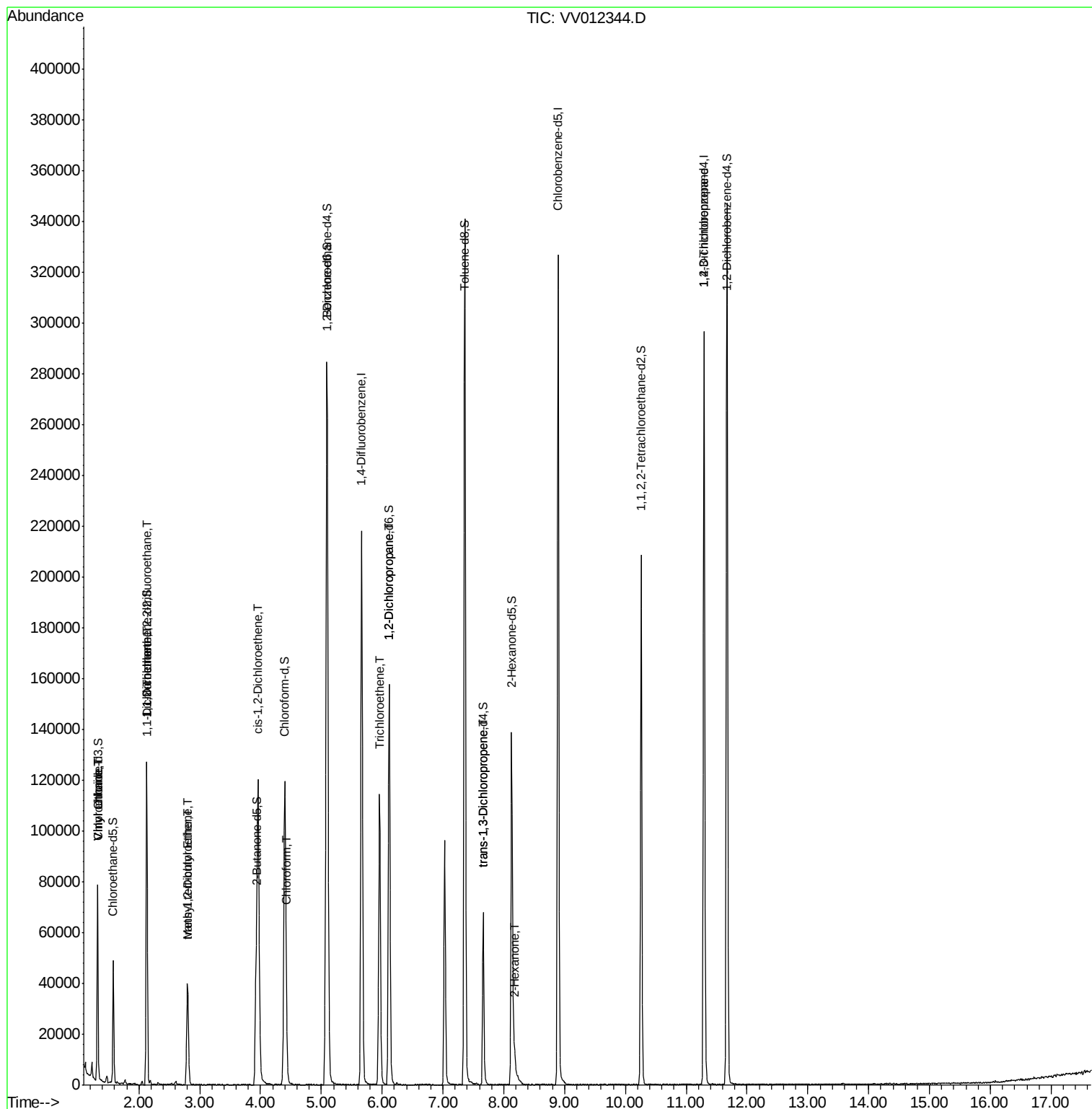
						Qvalue
5) Vinyl chloride	1.33	62	6770	7.339	ug/L #	80
8) Chloroethane	1.33	64	3176	6.085	ug/L	86
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	559	0.665	ug/L #	13
12) 1,1-Dichloroethene	2.14	96	991	1.290	ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	3468	2.983	ug/L	89
18) Methyl tert-butyl Ether	2.80	73	33034	8.576	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	60422	46.701	ug/L	97
25) Chloroform	4.43	83	8846	3.670	ug/L	97
34) Trichloroethene	5.96	95	34560	25.565	ug/L	97
37) 1,2-Dichloropropane	6.12	63	8774	8.386	ug/L #	82
44) trans-1,3-Dichloropropene	7.66	75	1913	1.033	ug/L	84
48) 2-Hexanone	8.18	43	3137	2.954	ug/L #	54
59) 1,2,3-Trichloropropane	11.29	75	6829	4.580	ug/L #	74

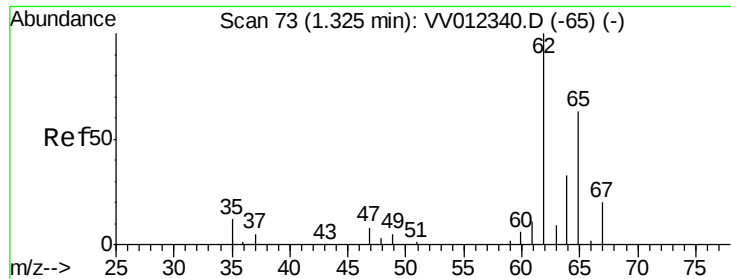
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.339 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

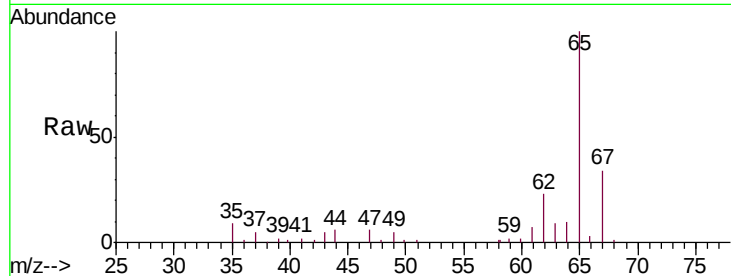
F2C08DL

Tgt Ion: 62 Resp: 6770

Ion Ratio Lower Upper

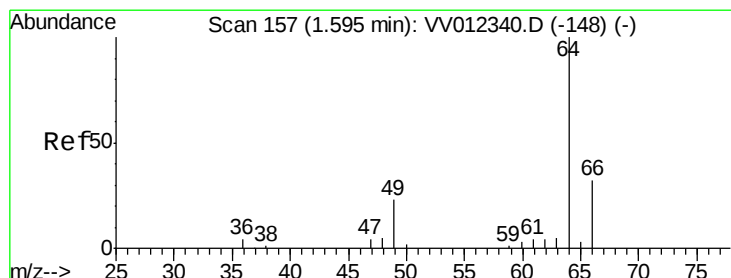
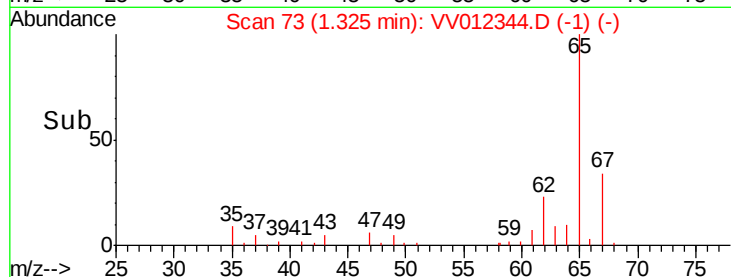
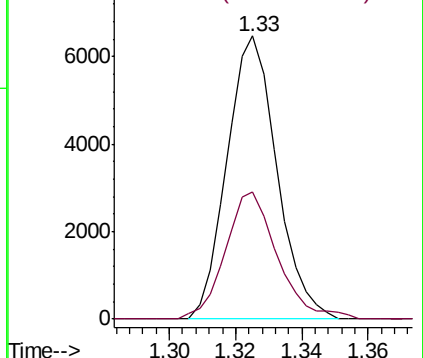
62 100

64 45.1 23.5 43.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 6.085 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.27 min

Lab File: VV012344.D

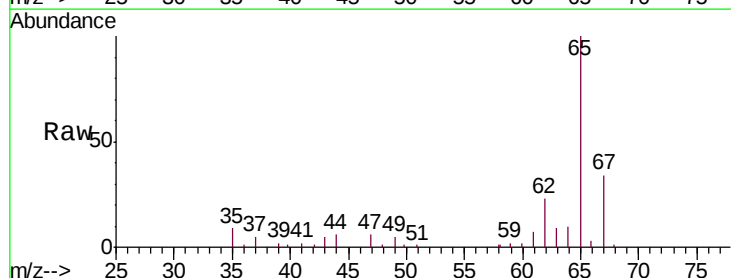
Acq: 22 Aug 2019 13:51

Tgt Ion: 64 Resp: 3176

Ion Ratio Lower Upper

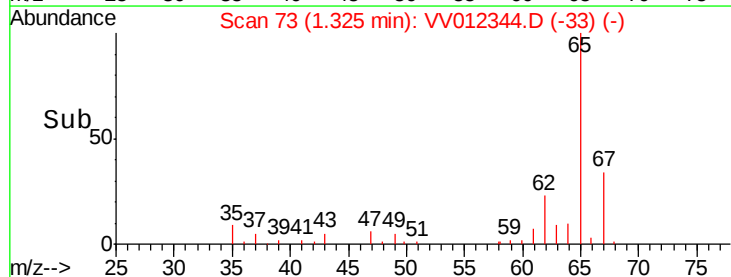
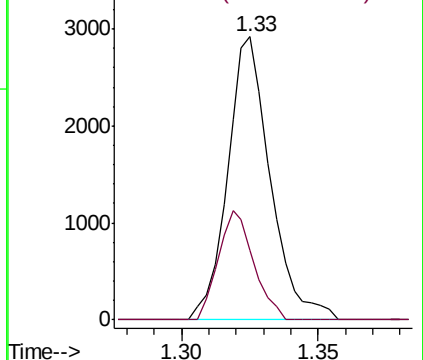
64 100

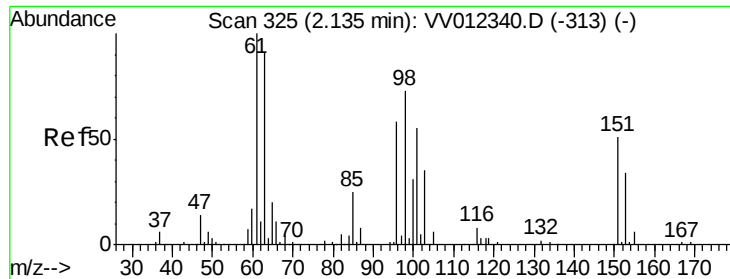
66 24.5 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.665 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

F2C08DL

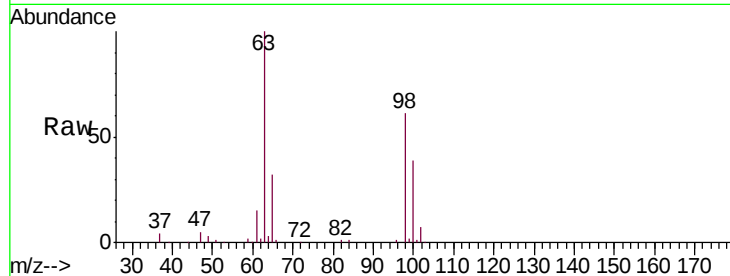
Tgt Ion: 101 Resp: 559

Ion Ratio Lower Upper

101 100

85 0.0 33.7 50.5#

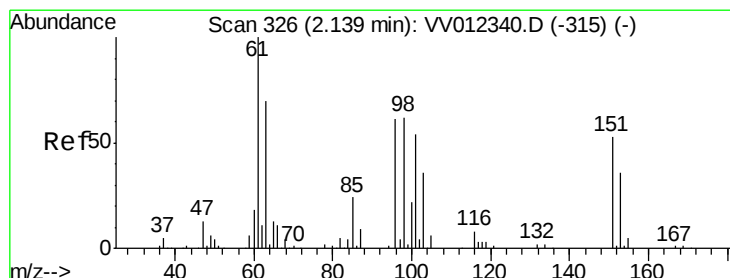
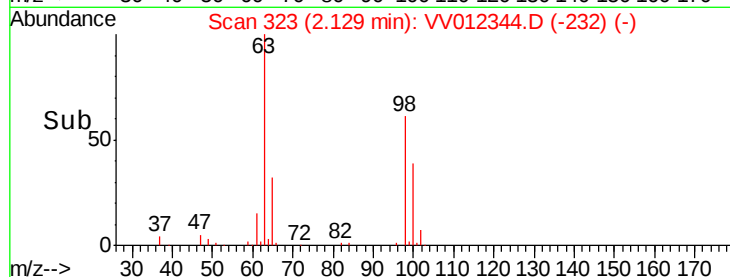
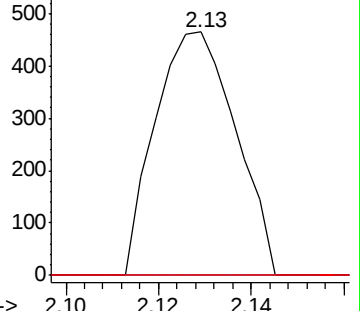
151 0.0 73.0 109.6#



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



#12

1,1-Dichloroethene

Concen: 1.290 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

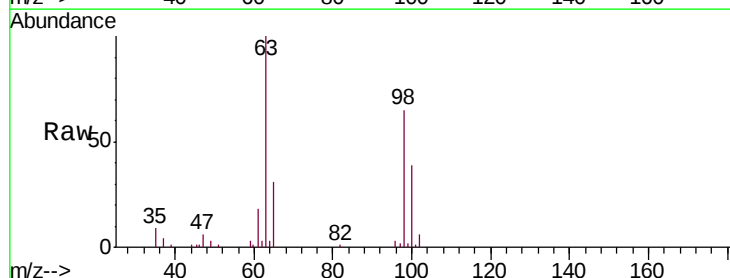
Tgt Ion: 96 Resp: 991

Ion Ratio Lower Upper

96 100

61 517.4 122.6 227.8#

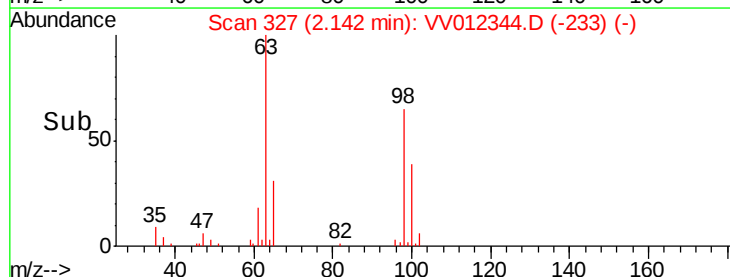
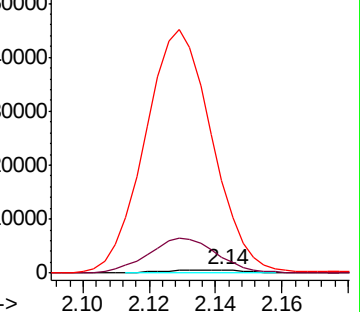
63 2923.8 98.6 183.2#

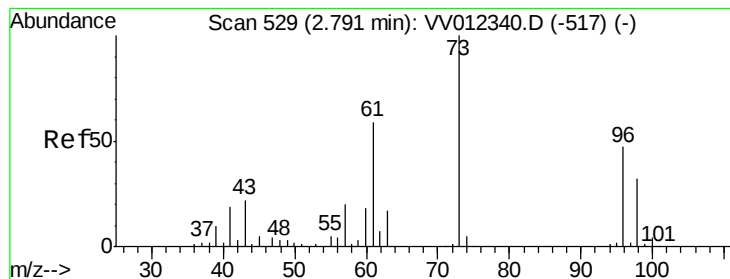


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 2.983 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

F2C08DL

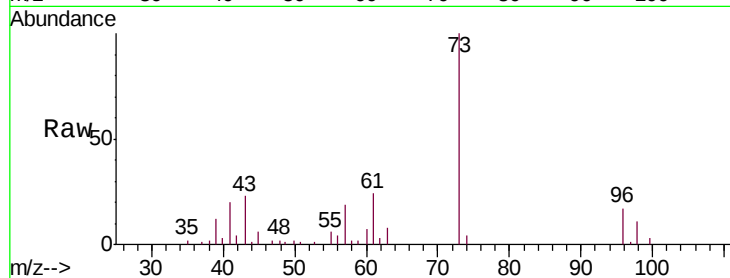
Tgt Ion: 96 Resp: 3468

Ion Ratio Lower Upper

96 100

61 141.4 87.0 161.6

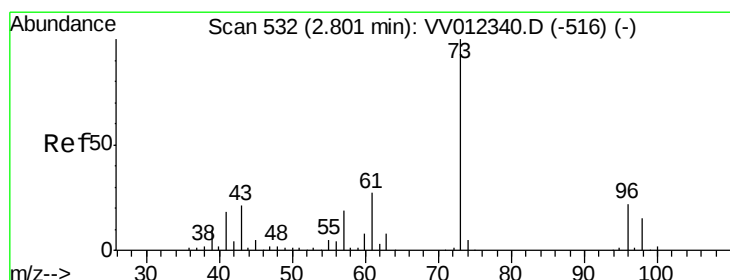
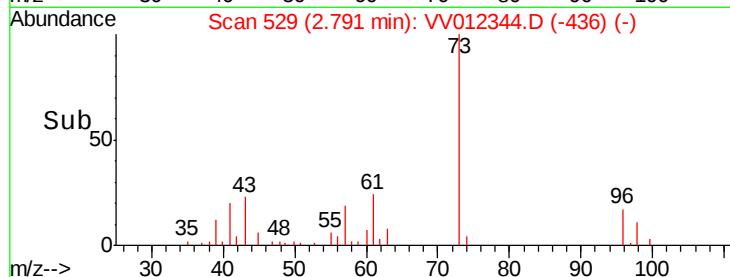
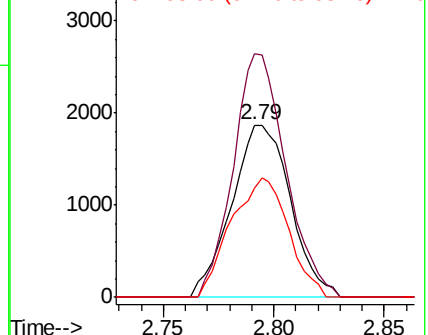
98 63.8 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV012344.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV012344.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV012344.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 8.576 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

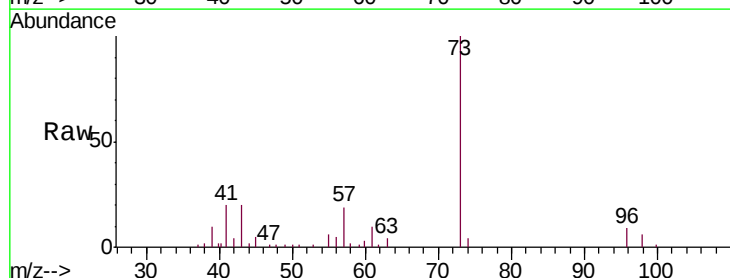
Tgt Ion: 73 Resp: 33034

Ion Ratio Lower Upper

73 100

43 21.2 16.6 25.0

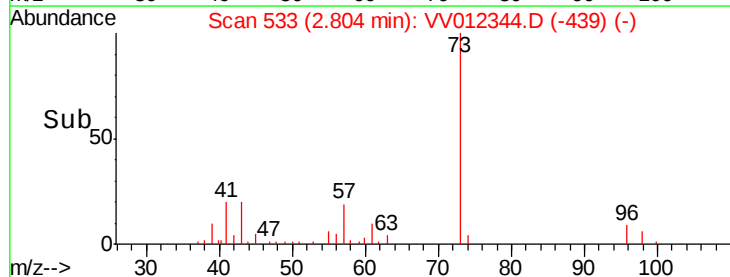
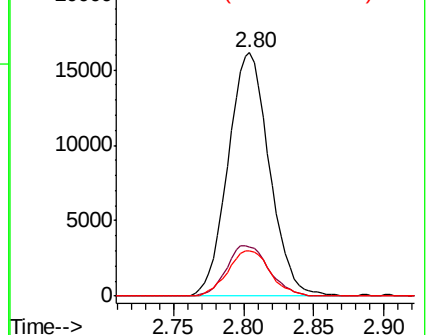
57 19.1 15.0 22.6

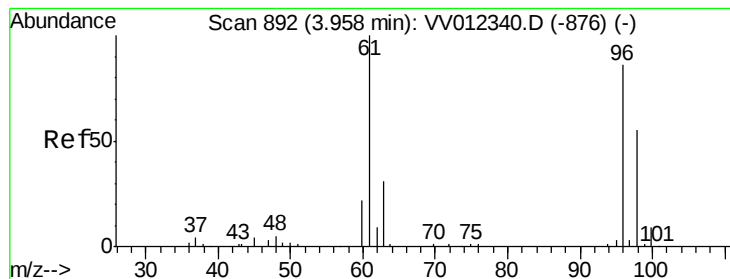


Abundance Ion 73.00 (72.70 to 73.70): VV012344.D (-439) (-)

Ion 43.00 (42.70 to 43.70): VV012344.D (-439) (-)

Ion 57.00 (56.70 to 57.70): VV012344.D (-439) (-)



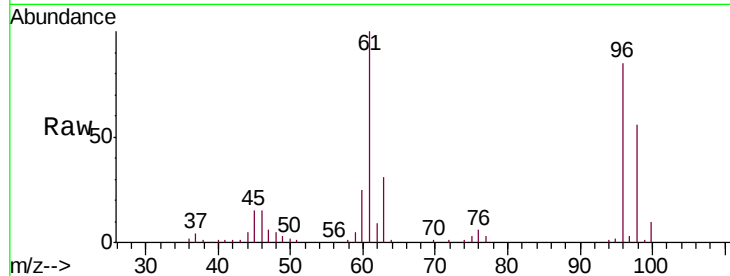


#20

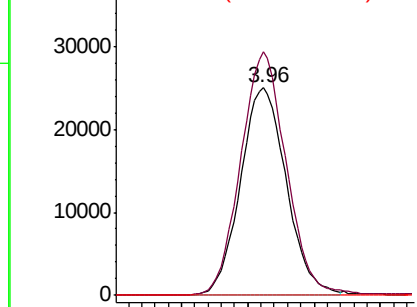
cis-1,2-Dichloroethene
 Concen: 46.701 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012344.D
 Acq: 22 Aug 2019 13:51

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C08DL

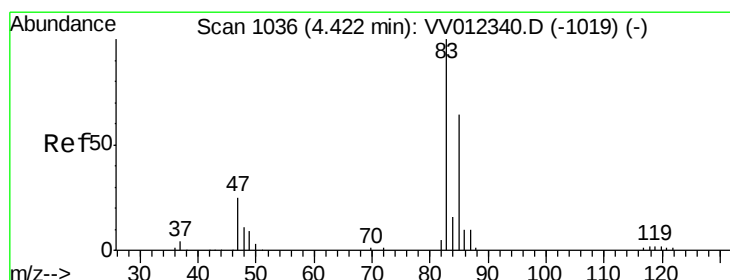
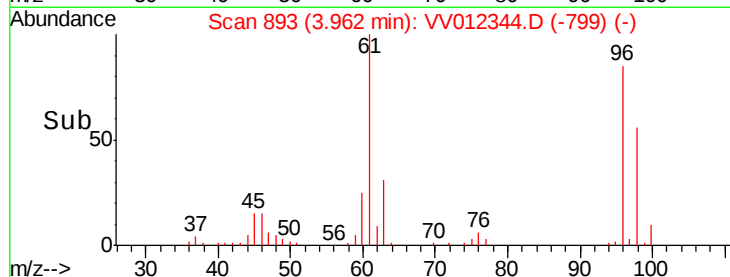
Tgt Ion: 96 Resp: 60422
 Ion Ratio Lower Upper
 96 100
 61 117.4 84.4 156.7
 68 0.0 0.0 0.0



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



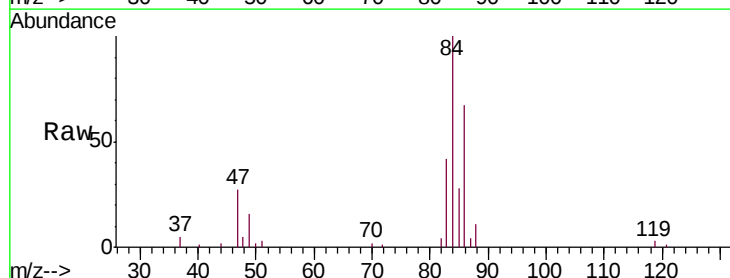
Time-->



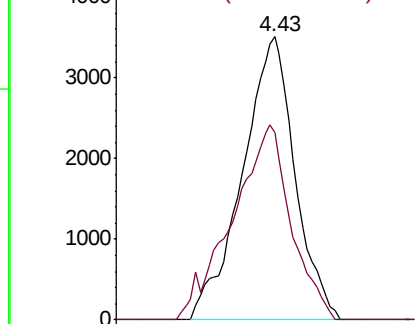
#25

Chloroform
 Concen: 3.670 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VV012344.D
 Acq: 22 Aug 2019 13:51

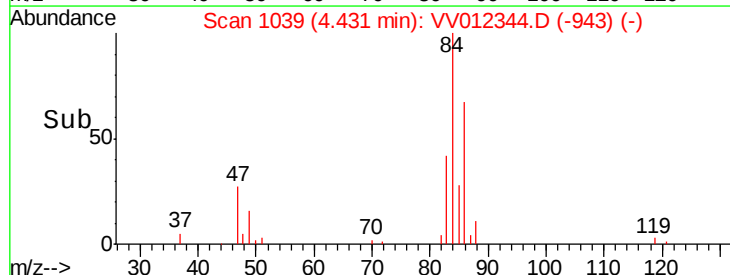
Tgt Ion: 83 Resp: 8846
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.5 82.7

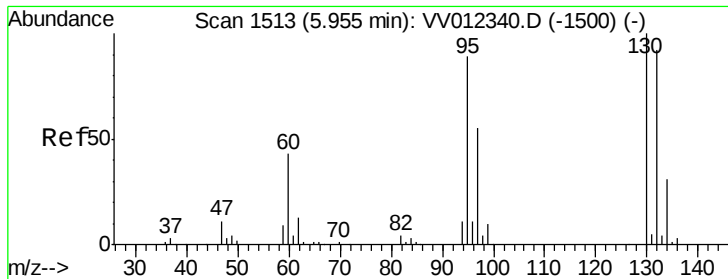


Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0



Time-->





#34

Trichloroethene

Concen: 25.565 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

F2C08DL

Tgt Ion: 95 Resp: 34560

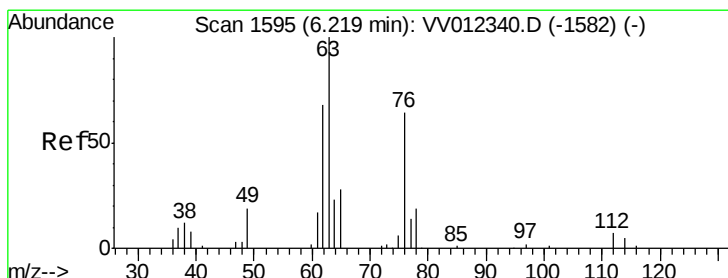
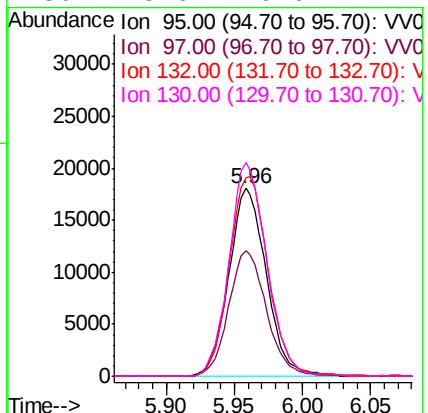
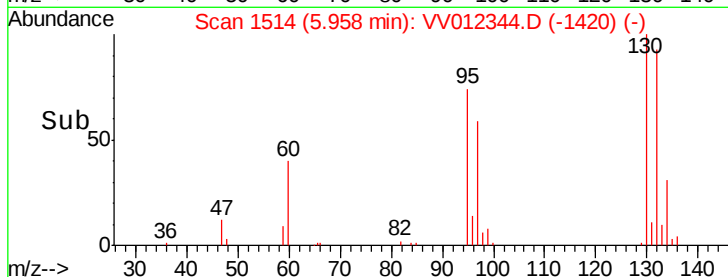
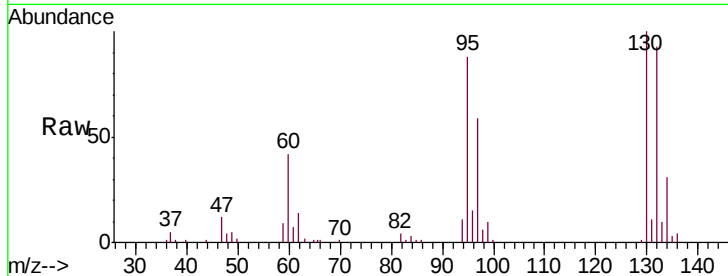
Ion Ratio Lower Upper

95 100

97 66.6 43.6 81.0

132 105.8 73.9 137.3

130 113.6 76.6 142.2



#37

1,2-Dichloropropane

Concen: 8.386 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012344.D

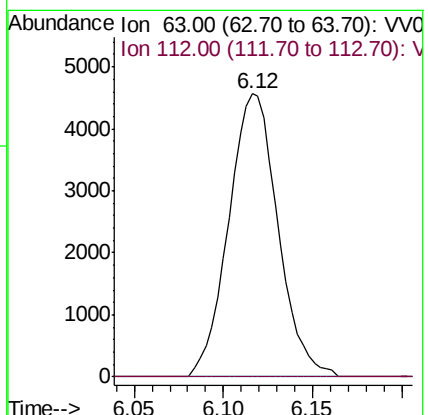
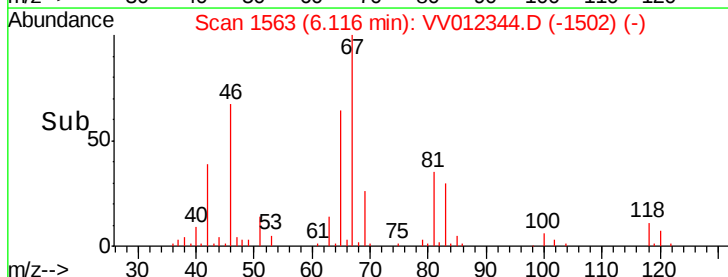
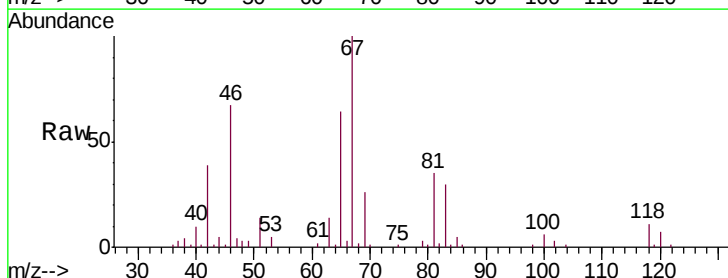
Acq: 22 Aug 2019 13:51

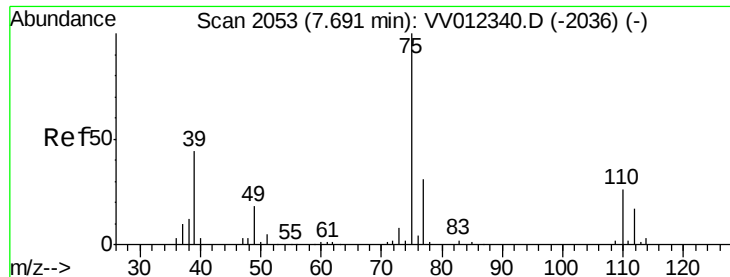
Tgt Ion: 63 Resp: 8774

Ion Ratio Lower Upper

63 100

112 0.0 4.7 7.1#





#44

trans-1,3-Dichloropropene

Concen: 1.033 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Instrument :

MSVOA_V

ClientSampled :

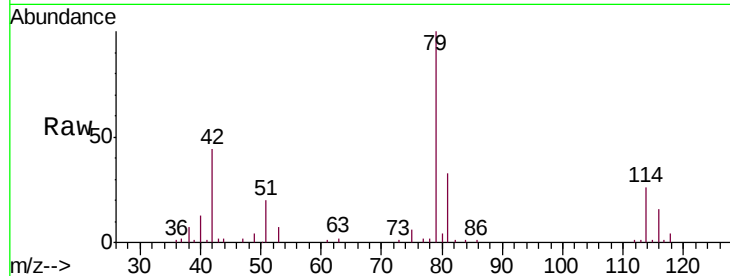
F2C08DL

Tgt Ion: 75 Resp: 1913

Ion Ratio Lower Upper

75 100

77 39.9 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

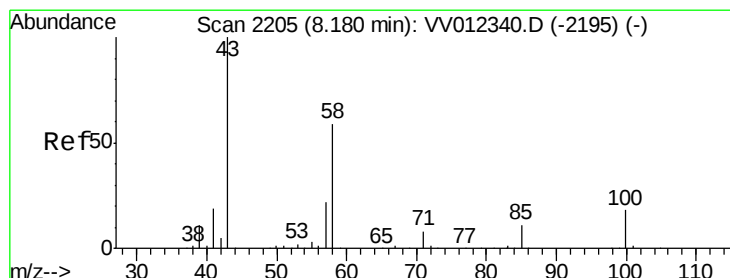
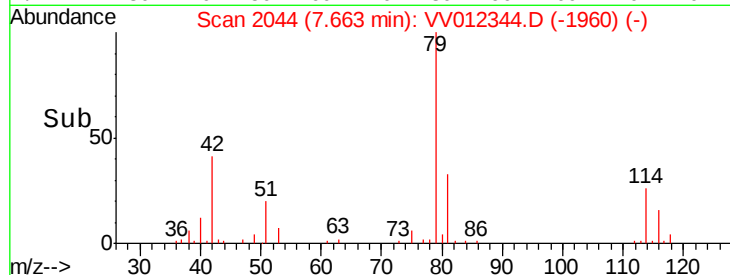
1000

500

0

7.65 7.70

Time-->



#48

2-Hexanone

Concen: 2.954 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Tgt Ion: 43 Resp: 3137

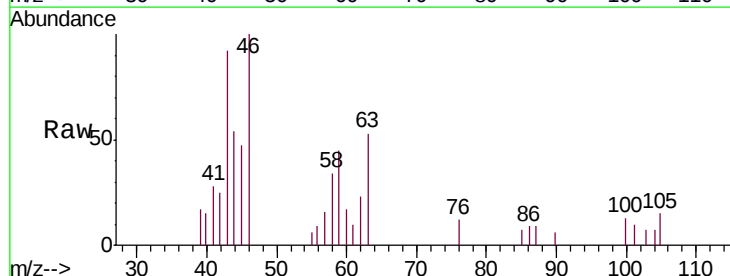
Ion Ratio Lower Upper

43 100

58 16.4 45.7 68.5#

57 3.7 16.8 25.2#

100 6.1 13.7 20.5#



Abundance Ion 43.00 (42.70 to 43.70): VV012340.D (-2195) (-)

Ion 58.00 (57.70 to 58.70): VV012340.D (-2195) (-)

Ion 57.00 (56.70 to 57.70): VV012340.D (-2195) (-)

Ion 100.00 (99.70 to 100.70): VV012340.D (-2195) (-)

5000

4000

3000

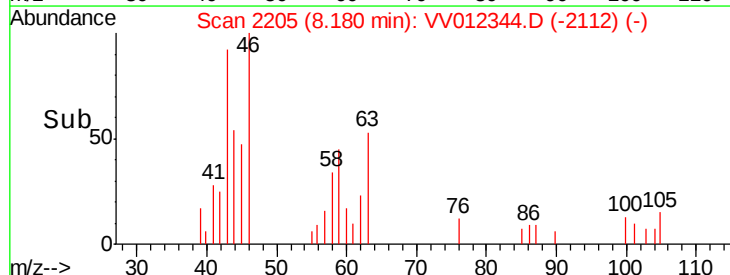
2000

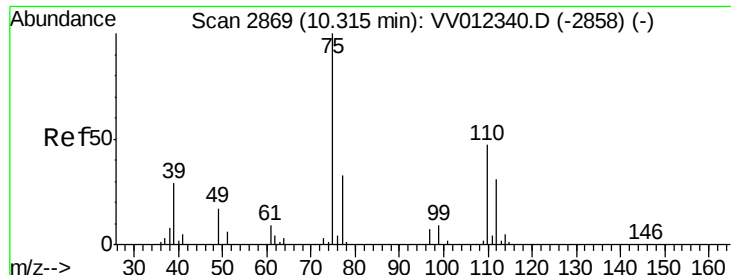
1000

0

8.15 8.20

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.580 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.98 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

F2C08DL

Tgt Ion: 75 Resp: 6829

Ion Ratio Lower Upper

75 100

77 48.5 26.8 40.2#

