

Data File : VV008994.D
Acq On : 17 Dec 2018 21:17
Operator : SY/MD
Sample : VV1217WBL02
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK69

Quant Time: Dec 18 03:41:33 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 18 03:36:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	203576	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	192156	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81910	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57920	48.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.44%
7) Chloroethane-d5	1.57	69	41884	55.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	111.96%
11) 1,1-Dichloroethene-d2	2.13	63	110801	39.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.92%
21) 2-Butanone-d5	3.93	46	91696	115.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.52%
24) Chloroform-d	4.41	84	124125	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
26) 1,2-Dichloroethane-d4	5.08	65	83318	51.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.14%
32) Benzene-d6	5.10	84	257603	49.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.50%
36) 1,2-Dichloropropane-d6	6.12	67	78905	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.42%
41) Toluene-d8	7.36	98	239992	49.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.74%
43) trans-1,3-Dichloropropene-	7.67	79	36176	45.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.68%
47) 2-Hexanone-d5	8.13	63	62637	108.76	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	108.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95509	47.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.08%
64) 1,2-Dichlorobenzene-d4	11.68	152	86380	51.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.26%

Target Compounds

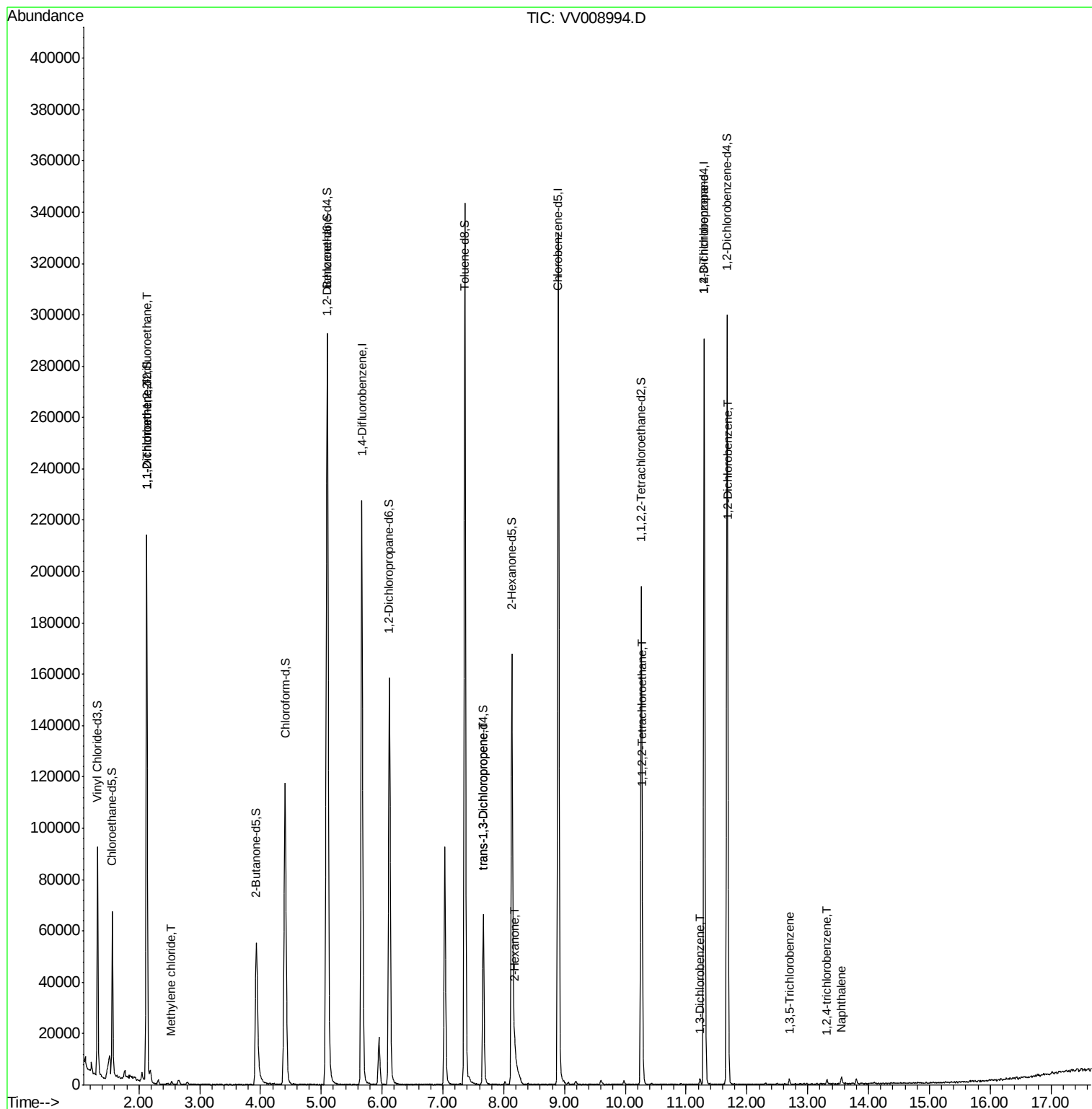
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1285	0.925	ug/L #	26
12) 1,1-Dichloroethene	2.13	96	1013	0.801	ug/L #	1
16) Methylene chloride	2.54	84	671	0.477	ug/L	94
44) trans-1,3-Dichloropropene	7.66	75	1861	0.914	ug/L	96
48) 2-Hexanone	8.18	43	3068	2.329	ug/L #	81
58) 1,1,2,2-Tetrachloroethane	10.29	83	1089	0.535	ug/L #	79
59) 1,2,3-Trichloropropane	11.30	75	9039	5.241	ug/L	94
62) 1,3-Dichlorobenzene	11.22	146	1224	0.466	ug/L	88
65) 1,2-Dichlorobenzene	11.69	146	1368	0.513	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.70	180	921	0.544	ug/L #	63
68) 1,2,4-trichlorobenzene	13.31	180	858	0.739	ug/L #	45
69) Naphthalene	13.56	128	3252	1.120	ug/L #	87

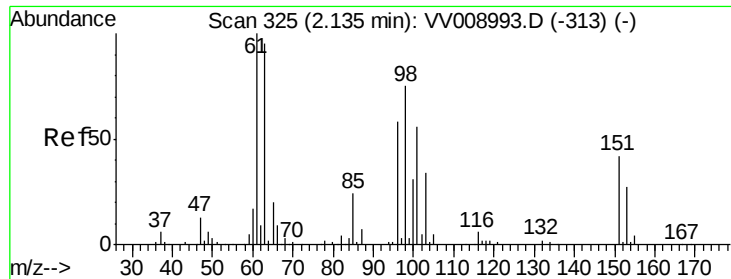
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.925 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008994.D

Acq: 17 Dec 2018 21:17

Instrument :

MSVOA_V

ClientSampleId :

VBLK69

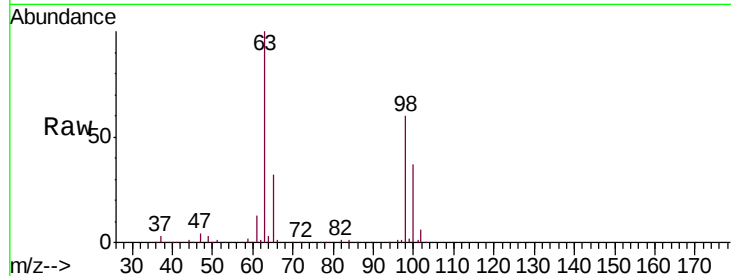
Tgt Ion: 101 Resp: 1285

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

151 11.9 63.8 95.8#

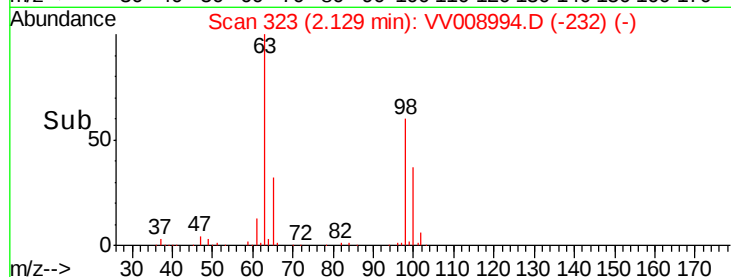


Abundance Ion 101.00 (100.70 to 101.70): VV008993.D (-313) (-)

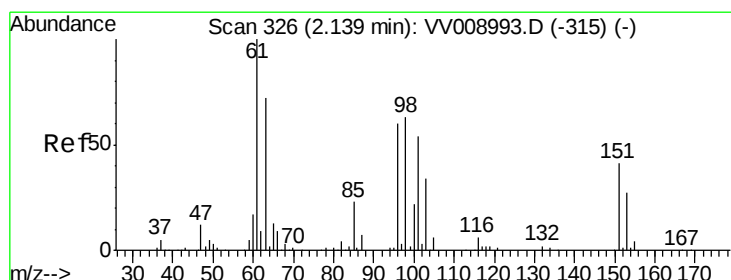
Ion 85.00 (84.70 to 85.70): VV008993.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV008993.D (-313) (-)

Time-->



Time-->



#12

1,1-Dichloroethene

Concen: 0.801 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV008994.D

Acq: 17 Dec 2018 21:17

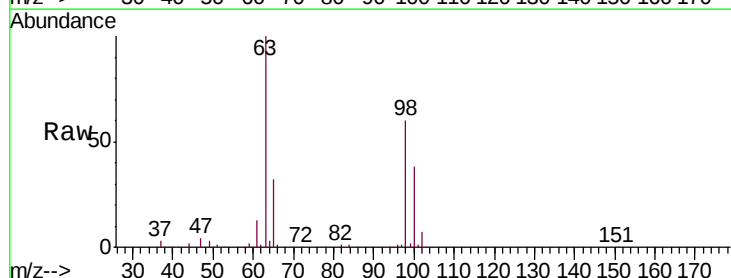
Tgt Ion: 96 Resp: 1013

Ion Ratio Lower Upper

96 100

61 1416.0 119.1 221.3#

63 11279.6 96.0 178.2#

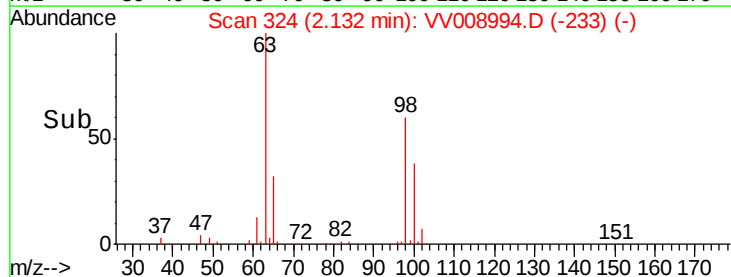


Abundance Ion 96.00 (95.70 to 96.70): VV008993.D (-315) (-)

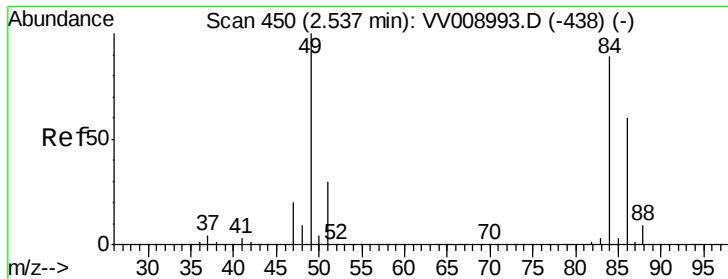
Ion 61.00 (60.70 to 61.70): VV008993.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV008993.D (-315) (-)

Time-->



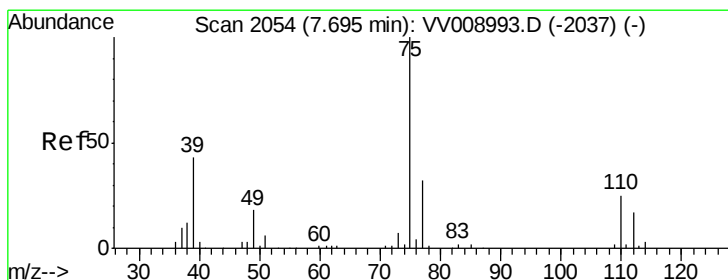
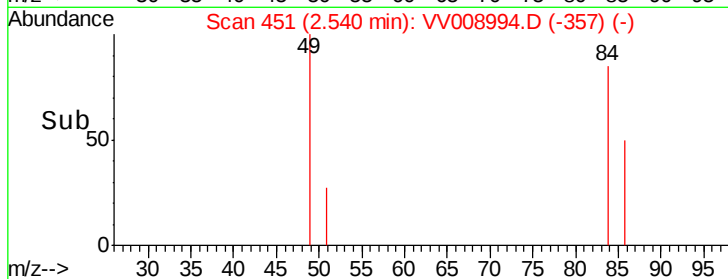
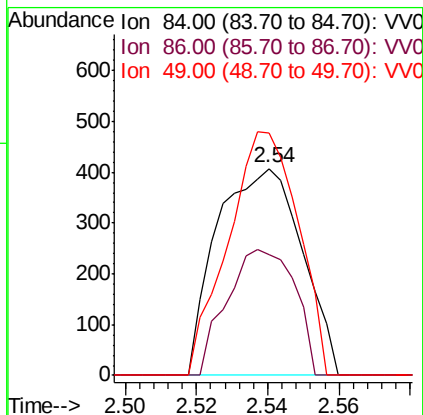
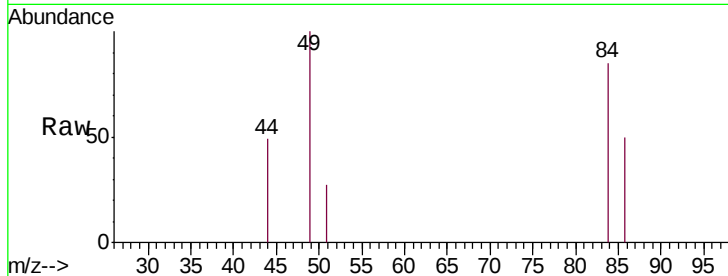
Time-->



#16
Methylene chloride
Concen: 0.477 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008994.D
Acq: 17 Dec 2018 21:17

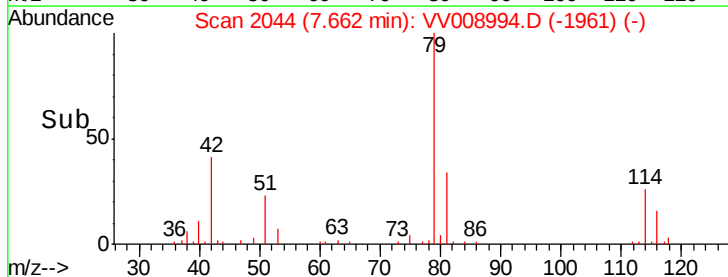
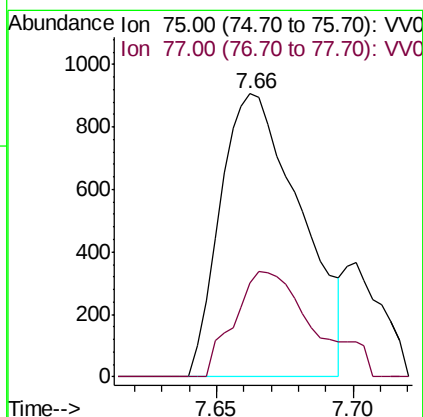
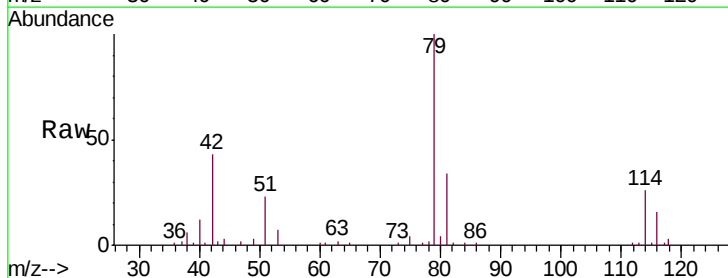
Instrument :
MSVOA_V
ClientSampleId :
VBLK69

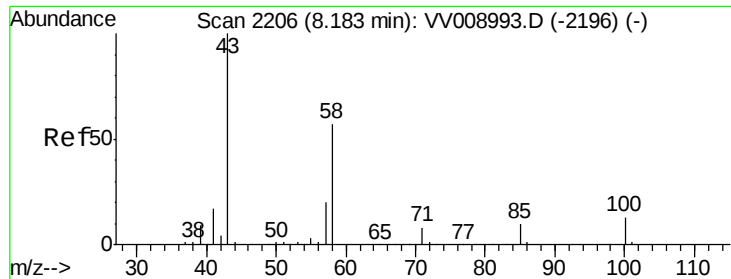
Tgt Ion: 84 Resp: 671
Ion Ratio Lower Upper
84 100
86 58.2 44.2 82.0
49 117.2 77.4 143.8



#44
trans-1,3-Dichloropropene
Concen: 0.914 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.03 min
Lab File: VV008994.D
Acq: 17 Dec 2018 21:17

Tgt Ion: 75 Resp: 1861
Ion Ratio Lower Upper
75 100
77 33.3 21.6 40.2

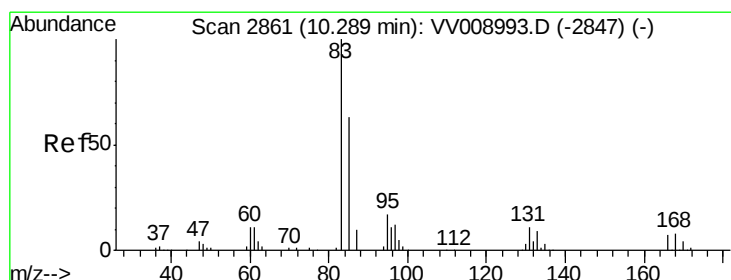
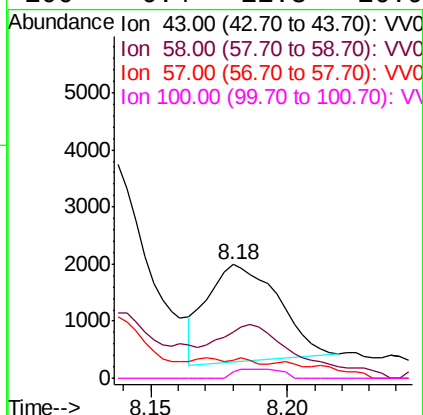
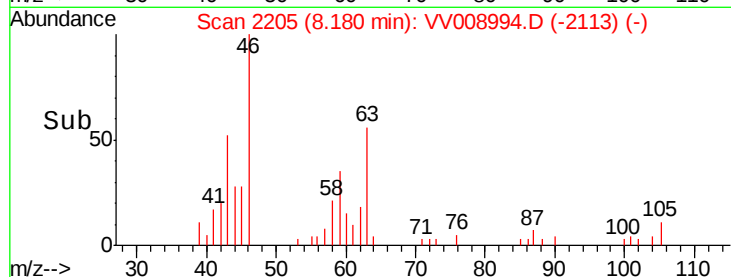
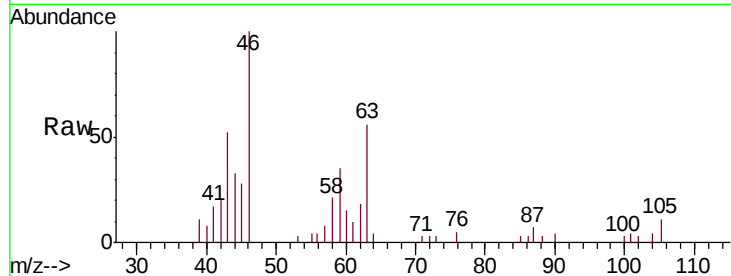




#48
2-Hexanone
Concen: 2.329 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV008994.D
Acq: 17 Dec 2018 21:17

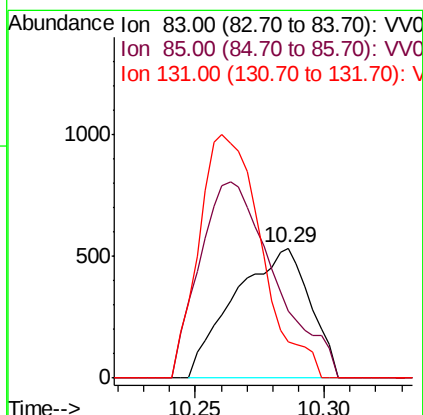
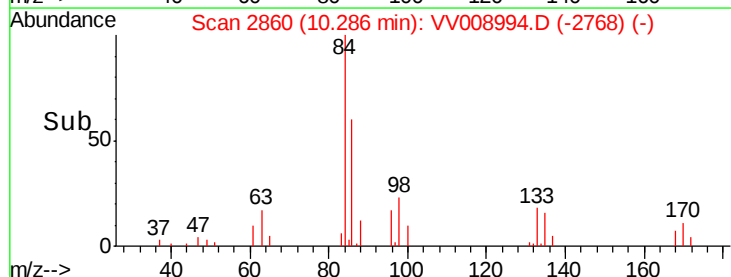
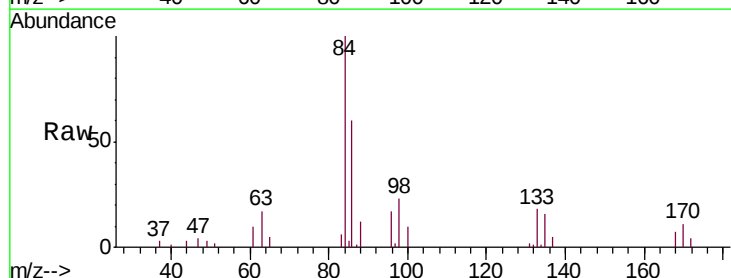
Instrument :
MSVOA_V
ClientSampled :
VBLK69

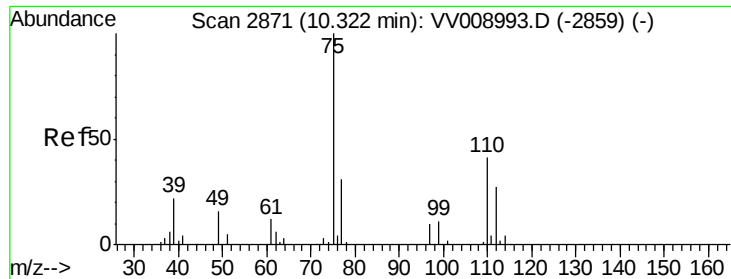
Tgt Ion: 43 Resp: 3068
Ion Ratio Lower Upper
43 100
58 63.8 42.7 64.1
57 4.4 15.7 23.5#
100 6.4 11.3 16.9#



#58
1,1,2,2-Tetrachloroethane
Concen: 0.535 ug/L
RT: 10.29 min Scan# 2860
Delta R.T. -0.00 min
Lab File: VV008994.D
Acq: 17 Dec 2018 21:17

Tgt Ion: 83 Resp: 1089
Ion Ratio Lower Upper
83 100
85 51.4 45.3 84.1
131 28.3 9.2 13.8#

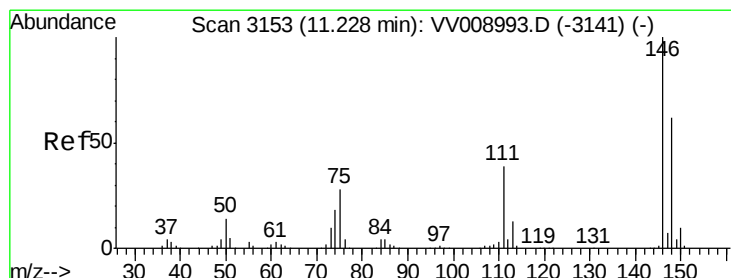
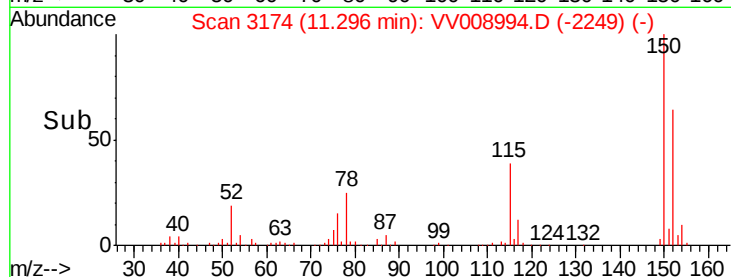
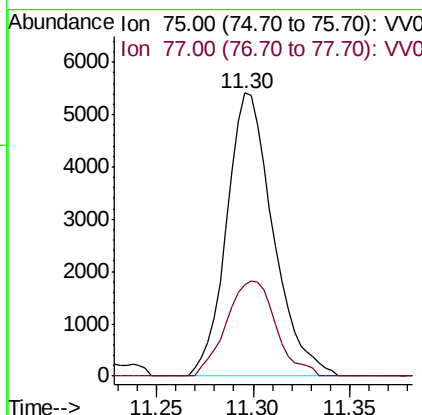
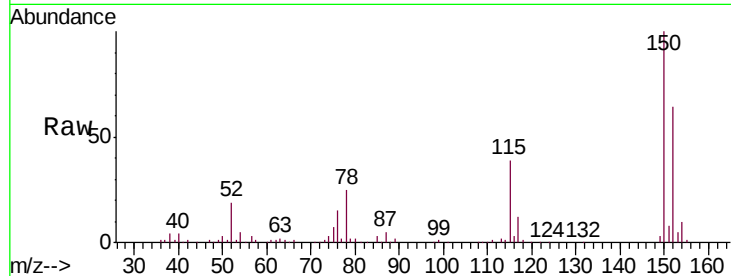




#59
 1,2,3-Trichloropropane
 Concen: 5.241 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.97 min
 Lab File: VV008994.D
 Acq: 17 Dec 2018 21:17

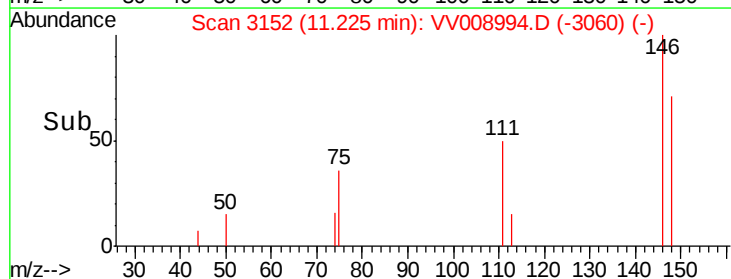
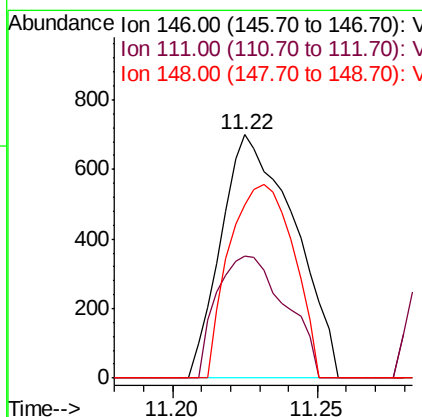
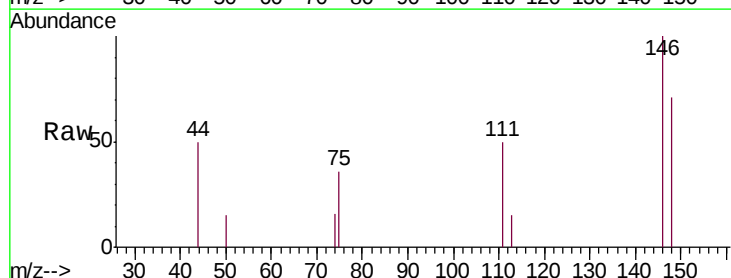
Instrument :
 MSVOA_V
 ClientSampled :
 VBLK69

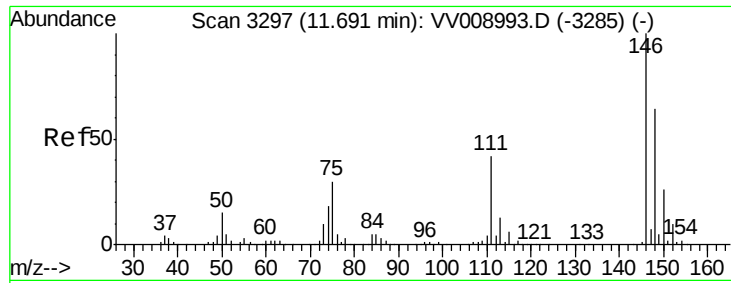
Tgt Ion: 75 Resp: 9039
 Ion Ratio Lower Upper
 75 100
 77 35.9 25.8 38.8



#62
 1,3-Dichlorobenzene
 Concen: 0.466 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV008994.D
 Acq: 17 Dec 2018 21:17

Tgt Ion: 146 Resp: 1224
 Ion Ratio Lower Upper
 146 100
 111 50.3 28.3 52.7
 148 71.1 44.9 83.5





#65

1,2-Dichlorobenzene

Concen: 0.513 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008994.D

Acq: 17 Dec 2018 21:17

Instrument :

MSVOA_V

ClientSampleId :

VBLK69

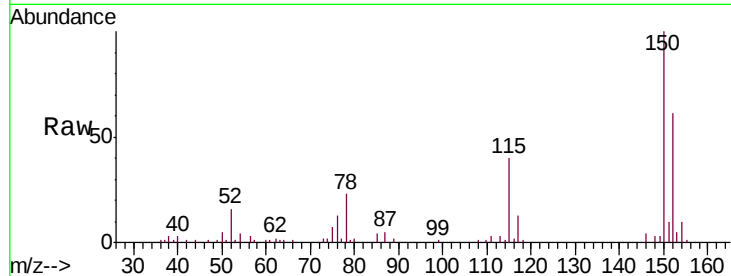
Tgt Ion:146 Resp: 1368

Ion Ratio Lower Upper

146 100

111 67.5 32.8 49.2#

148 61.0 50.5 75.7

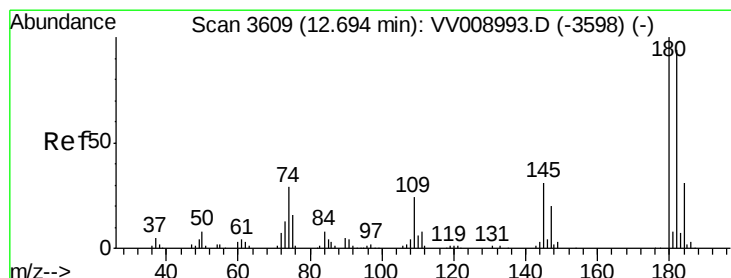
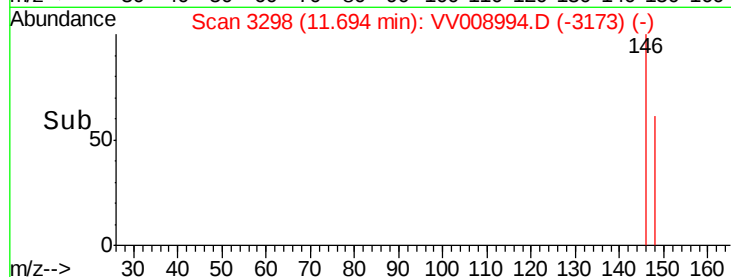
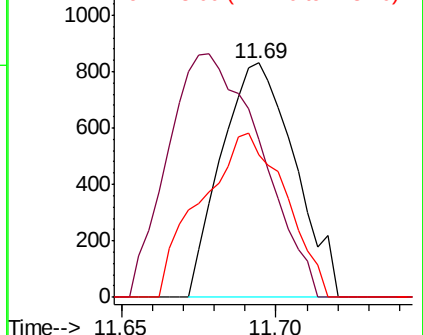


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.544 ug/L

RT: 12.70 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VV008994.D

Acq: 17 Dec 2018 21:17

Tgt Ion:180 Resp: 921

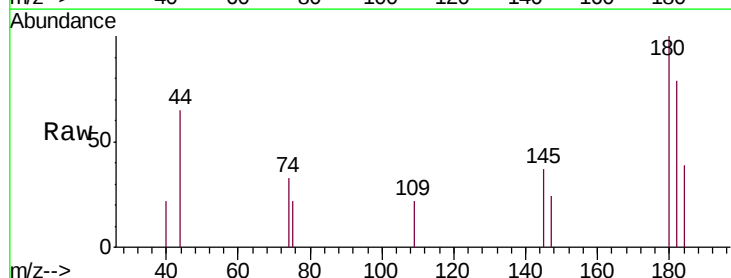
Ion Ratio Lower Upper

180 100

182 43.2 75.4 113.0#

184 26.9 24.2 36.2

145 20.6 25.0 37.4#



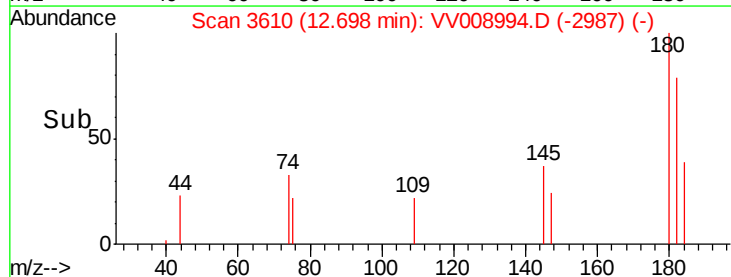
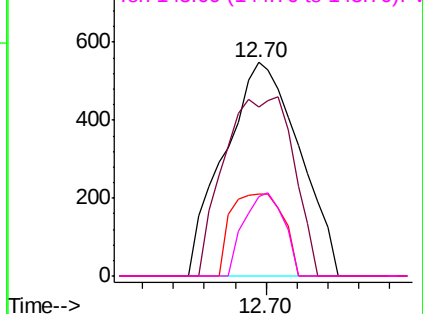
Abundance

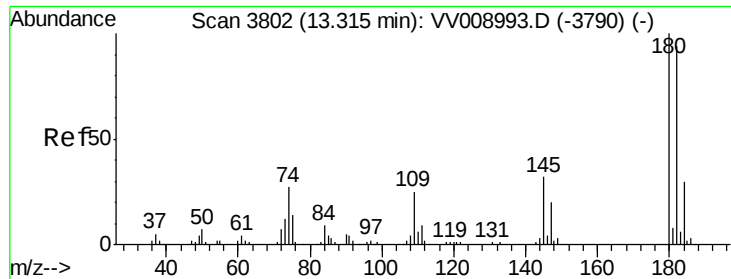
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

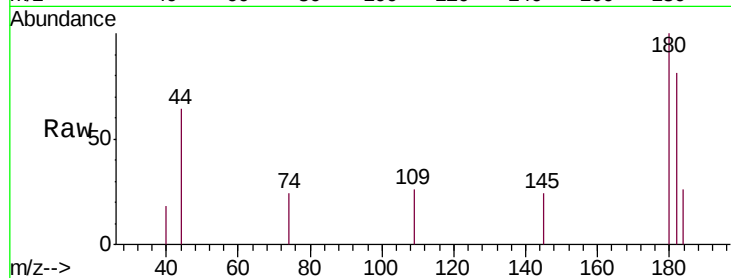




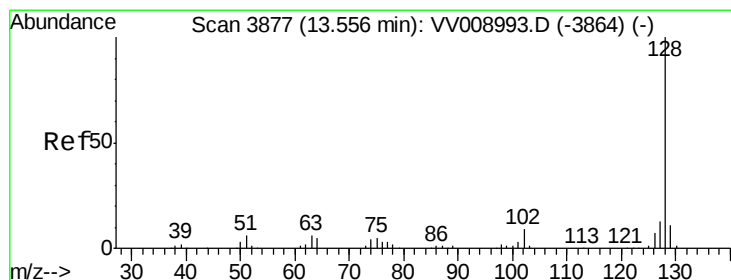
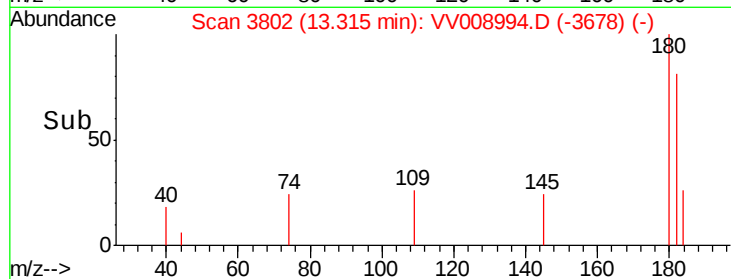
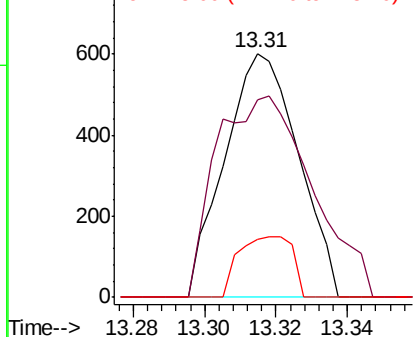
#68
 1,2,4-trichlorobenzene
 Concen: 0.739 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008994.D
 Acq: 17 Dec 2018 21:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK69

Tgt Ion:180 Resp: 858
 Ion Ratio Lower Upper
 180 100
 182 30.9 75.7 113.5#
 145 18.2 25.0 37.4#

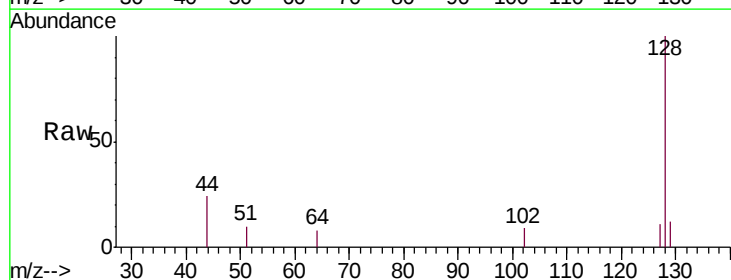


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V



#69
 Naphthalene
 Concen: 1.120 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. -0.00 min
 Lab File: VV008994.D
 Acq: 17 Dec 2018 21:17

Tgt Ion:128 Resp: 3252
 Ion Ratio Lower Upper
 128 100
 127 8.7 10.4 15.6#
 129 4.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

