

Data File : VV009796.D
Acq On : 21 Mar 2019 15:05
Operator : SY/MD
Sample : VV0321WBL01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK31

Quant Time: Mar 22 07:55:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Mar 21 15:15:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	111714	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	107492	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49365	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65170	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.58	69	56053	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	2.13	63	116082	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	3.99	46	73873	47.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.56%
24) Chloroform-d	4.40	84	61596	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.08	65	31226	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.10	84	135724	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.12	67	40974	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.36	98	124325	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	14068	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.14	63	65392	49.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.98%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	27795	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	42847	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

						Qvalue
8) Chloroethane	1.38	64	1009	0.090	ug/L	87
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1401	0.084	ug/L #	44
12) 1,1-Dichloroethene	2.13	96	1497	0.100	ug/L #	1
16) Methylene chloride	2.54	84	4555	0.270	ug/L	98
35) Methylcyclohexane	6.12	83	9611	0.735	ug/L #	21
37) 1,2-Dichloropropane	6.11	63	4813	0.638	ug/L #	88
44) trans-1,3-Dichloropropene	7.66	75	831	0.102	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1006	0.064	ug/L	86
63) 1,4-Dichlorobenzene	11.31	146	1444	0.091	ug/L	83
66) 1,2-Dibromo-3-chloropropan	12.30	75	111	0.140	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.69	180	1159	0.097	ug/L #	83
68) 1,2,4-trichlorobenzene	13.31	180	1446	0.162	ug/L #	84
69) Naphthalene	13.56	128	2655	0.190	ug/L #	80
70) 1,2,3-Trichlorobenzene	13.80	180	998	0.121	ug/L #	17

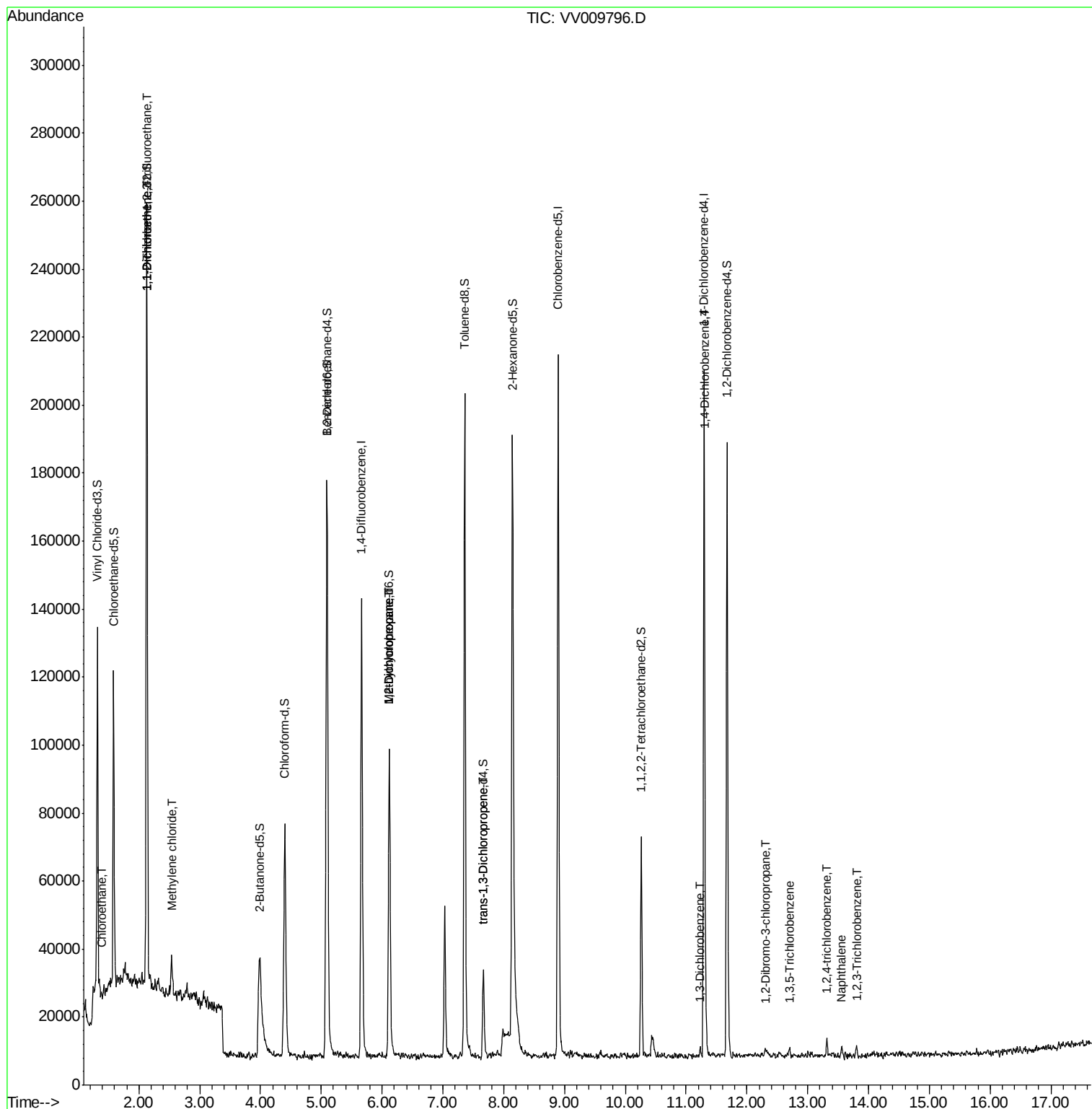
(#) = qualifier out of range (m) = manual integration (+) = signals summed

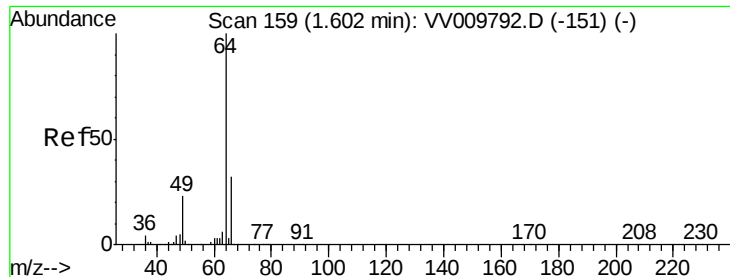
Data File : VV009796.D

```
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Quant Time: Mar 22 07:55:50 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Mar 21 15:15:58 2019
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.090 ug/L

RT: 1.38 min Scan# 91

Delta R.T. -0.22 min

Lab File: VV009796.D

Acq: 21 Mar 2019 15:05

Instrument :

MSVOA_V

ClientSampled :

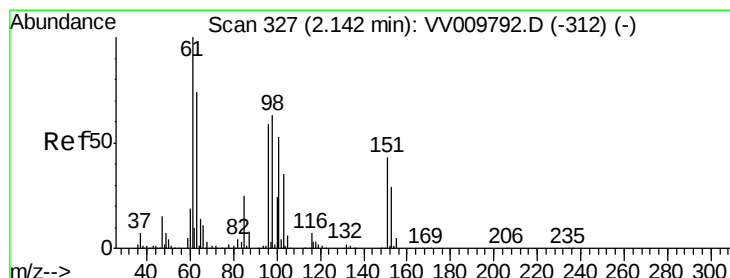
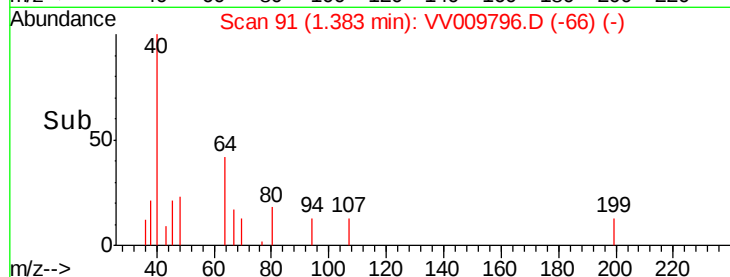
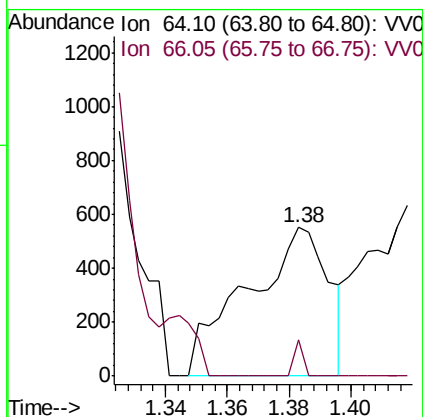
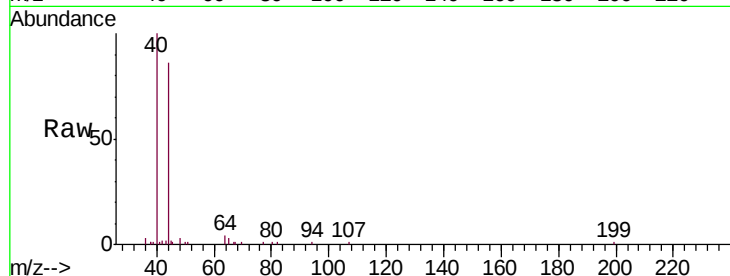
VBLK31

Tgt Ion: 64 Resp: 1009

Ion Ratio Lower Upper

64 100

66 24.5 22.4 41.6



#10

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

Concen: 0.084 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009796.D

Acq: 21 Mar 2019 15:05

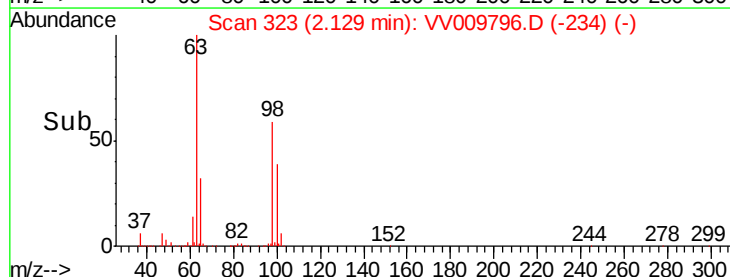
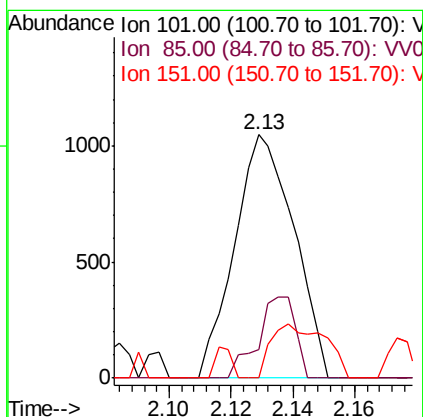
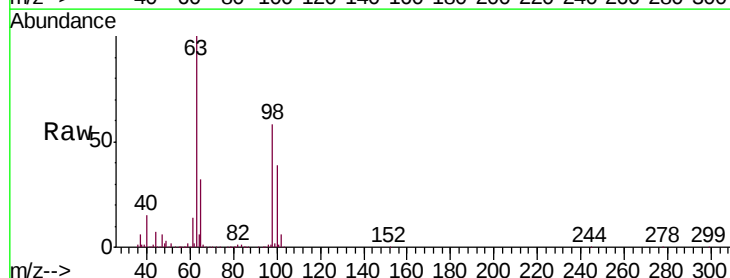
Tgt Ion: 101 Resp: 1401

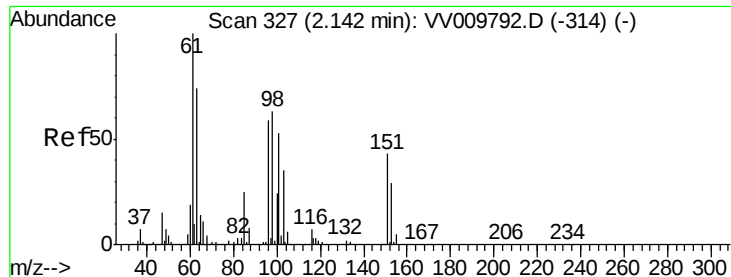
Ion Ratio Lower Upper

101 100

85 20.9 39.2 58.8#

151 20.0 61.1 91.7#





#12

1,1-Dichloroethene

Concen: 0.100 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009796.D

Acq: 21 Mar 2019 15:05

Instrument :

MSVOA_V

ClientSampleId :

VBLK31

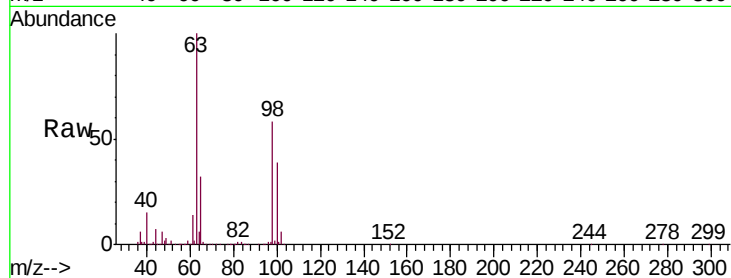
Tgt Ion: 96 Resp: 1497

Ion Ratio Lower Upper

96 100

61 1144.7 127.1 236.0#

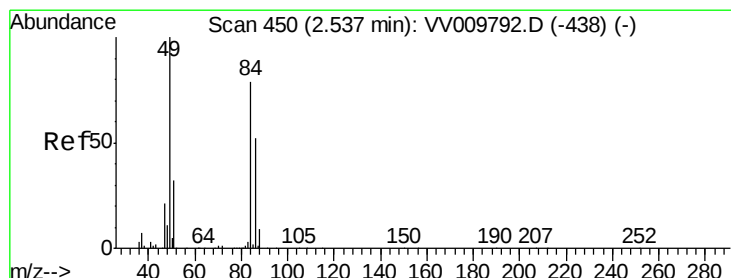
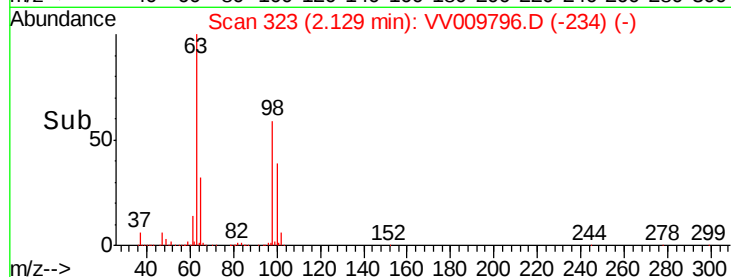
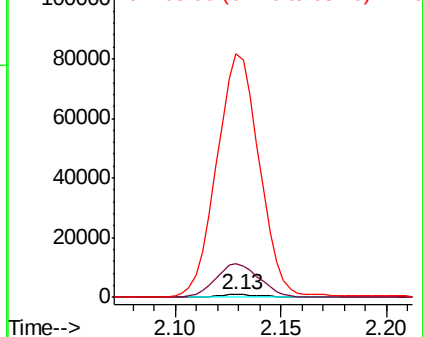
63 8329.8 88.8 164.8#



Abundance Ion 96.00 (95.70 to 96.70): VV009796.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV009796.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV009796.D (-234) (-)



#16

Methylene chloride

Concen: 0.270 ug/L

RT: 2.54 min Scan# 450

Delta R.T. -0.00 min

Lab File: VV009796.D

Acq: 21 Mar 2019 15:05

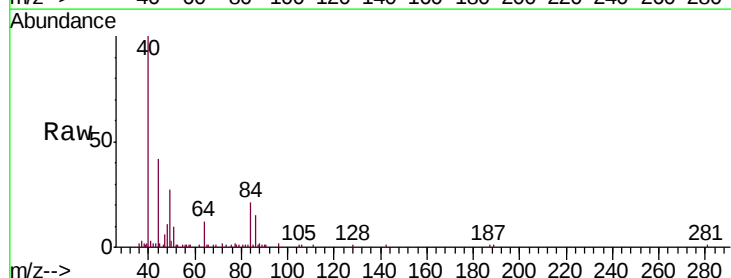
Tgt Ion: 84 Resp: 4555

Ion Ratio Lower Upper

84 100

86 70.0 46.1 85.5

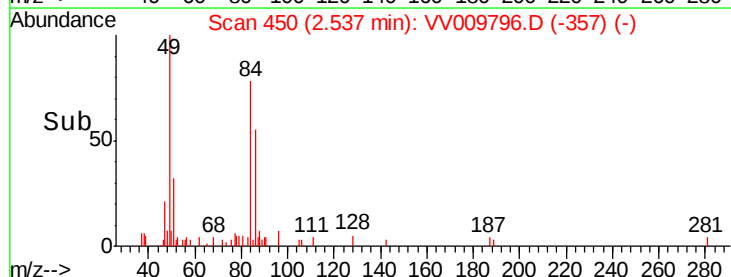
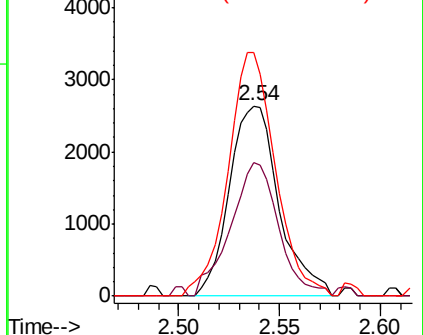
49 128.1 89.7 166.5

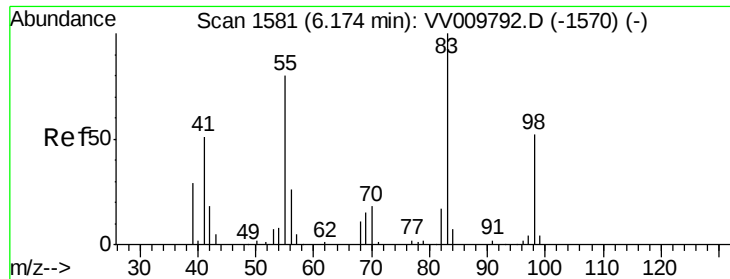


Abundance Ion 84.05 (83.75 to 84.75): VV009796.D (-357) (-)

Ion 86.00 (85.70 to 86.70): VV009796.D (-357) (-)

Ion 49.10 (48.80 to 49.80): VV009796.D (-357) (-)

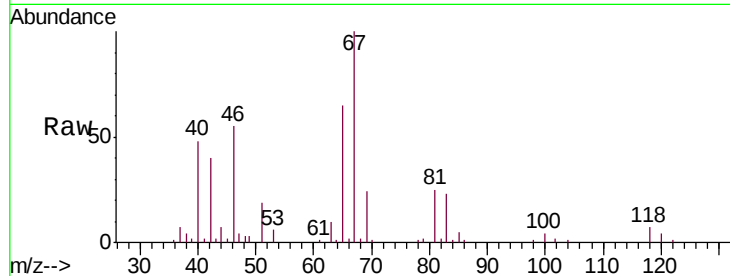




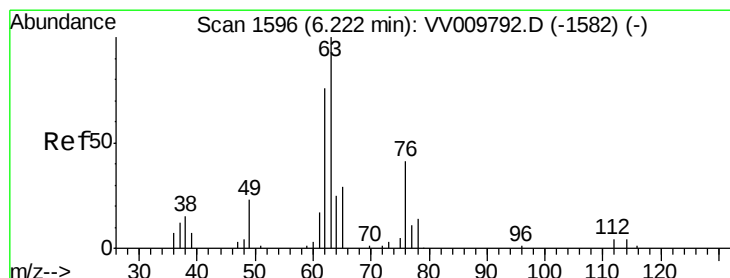
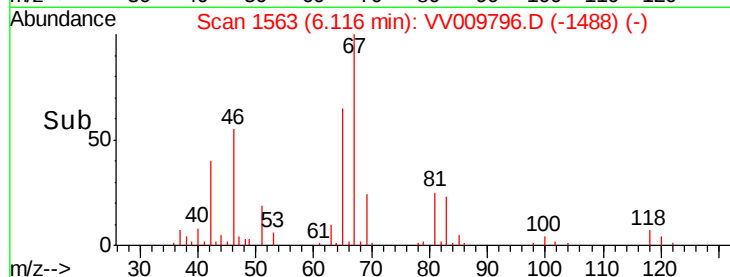
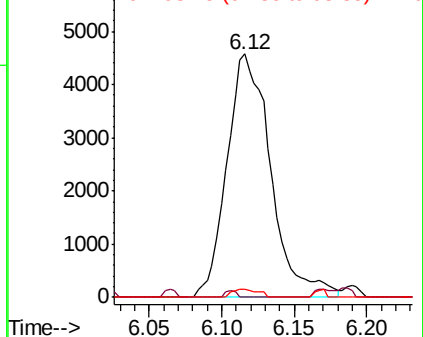
#35
Methylcyclohexane
Concen: 0.735 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV009796.D
Acq: 21 Mar 2019 15:05

Instrument :
MSVOA_V
ClientSampleId :
VBLK31

Tgt Ion: 83 Resp: 9611
Ion Ratio Lower Upper
83 100
55 0.7 57.4 86.2#
98 2.0 38.9 58.3#

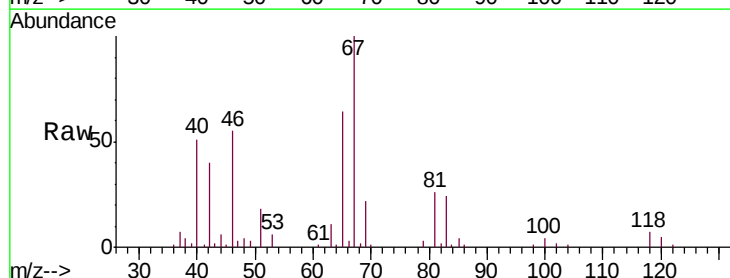


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

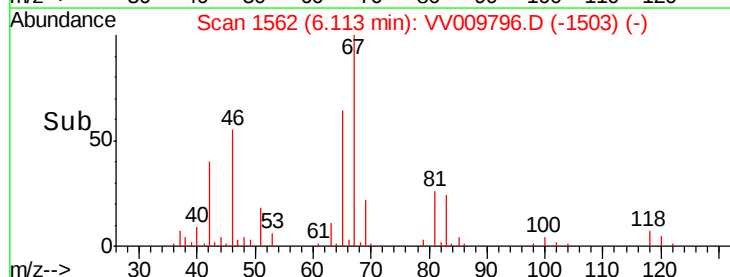
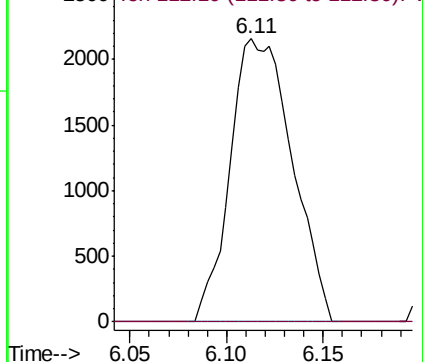


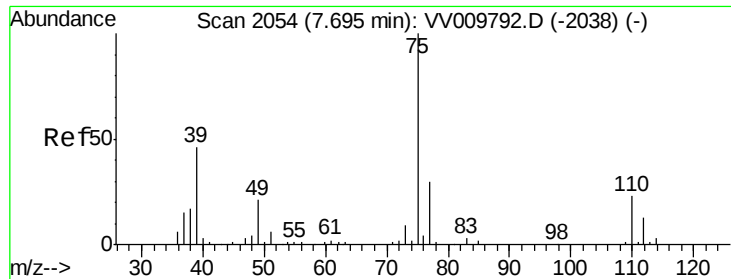
#37
1,2-Dichloropropane
Concen: 0.638 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV009796.D
Acq: 21 Mar 2019 15:05

Tgt Ion: 63 Resp: 4813
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#44

trans-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV009796.D

Acq: 21 Mar 2019 15:05

Instrument :

MSVOA_V

ClientSampleId :

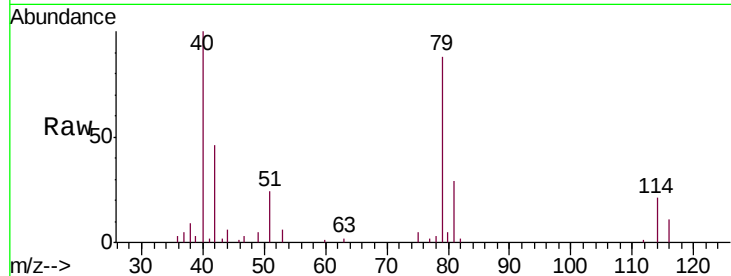
VBLK31

Tgt Ion: 75 Resp: 831

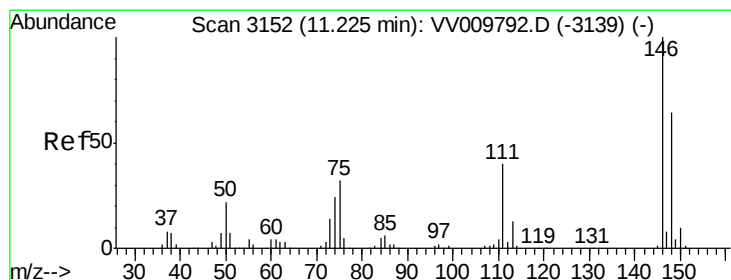
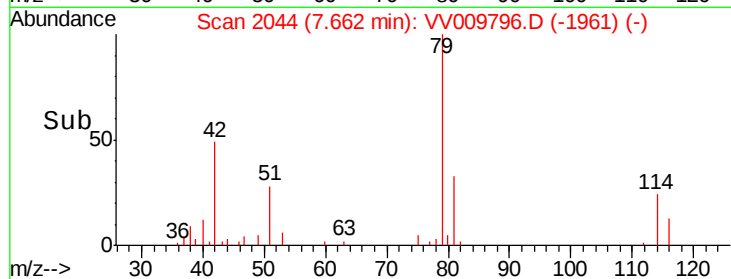
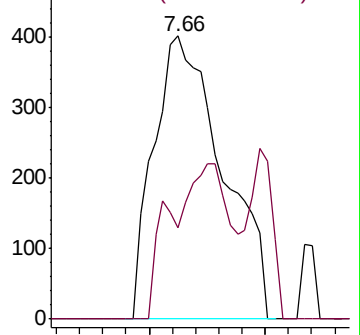
Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009792.D (-2038) (-)



#62

1,3-Dichlorobenzene

Concen: 0.064 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV009796.D

Acq: 21 Mar 2019 15:05

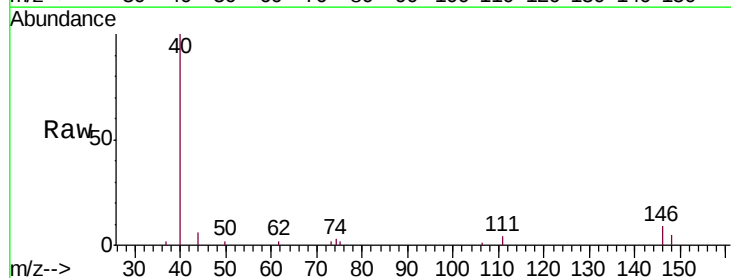
Tgt Ion: 146 Resp: 1006

Ion Ratio Lower Upper

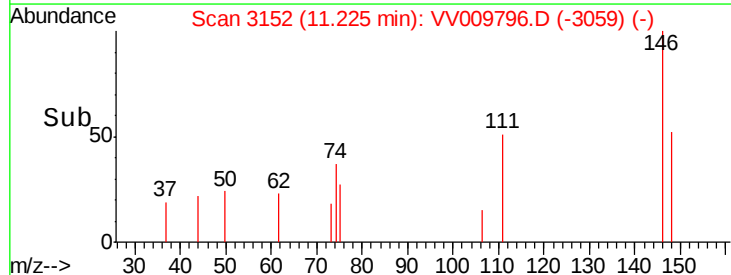
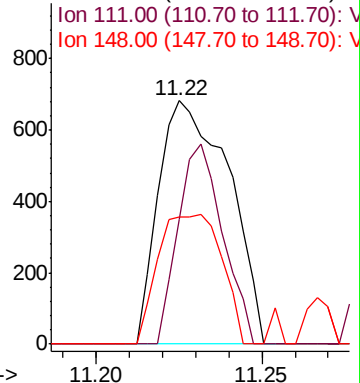
146 100

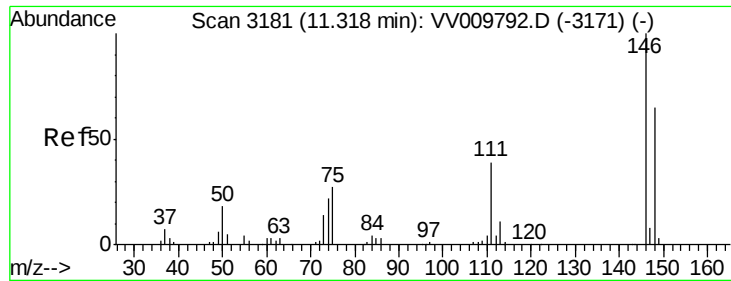
111 51.3 29.7 55.1

148 52.5 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): VV009792.D (-3139) (-)

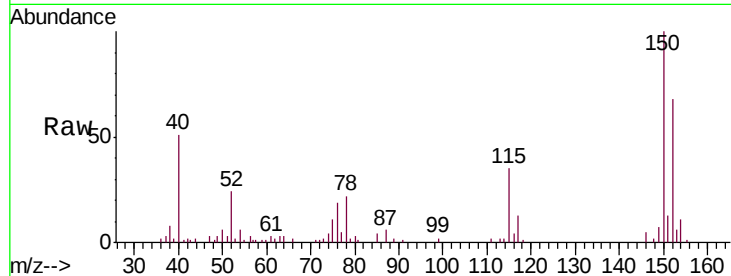




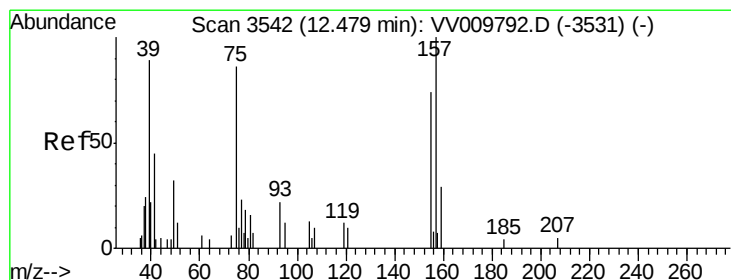
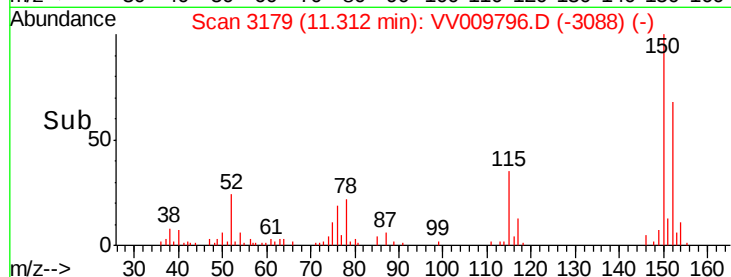
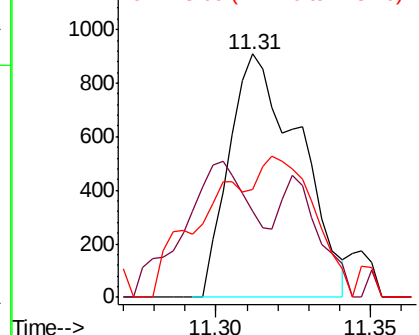
#63
 1,4-Dichlorobenzene
 Concen: 0.091 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.01 min
 Lab File: VV009796.D
 Acq: 21 Mar 2019 15:05

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

Tgt Ion: 146 Resp: 1444
 Ion Ratio Lower Upper
 146 100
 111 35.6 27.4 51.0
 148 44.2 43.6 81.0

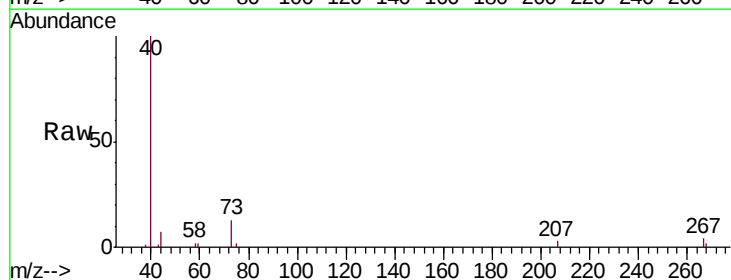


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

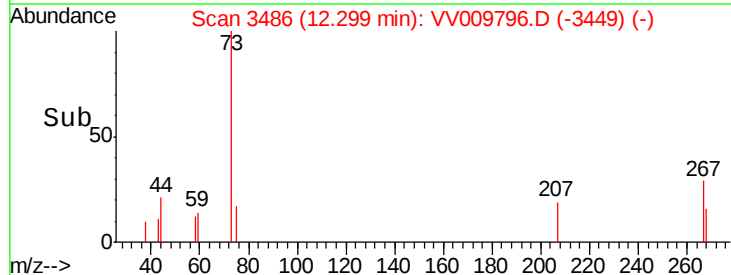
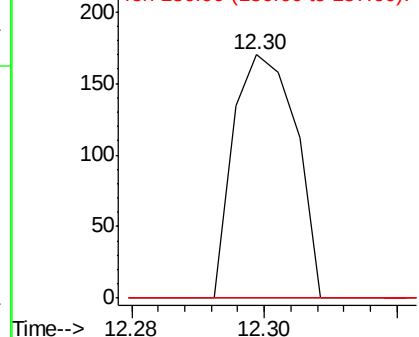


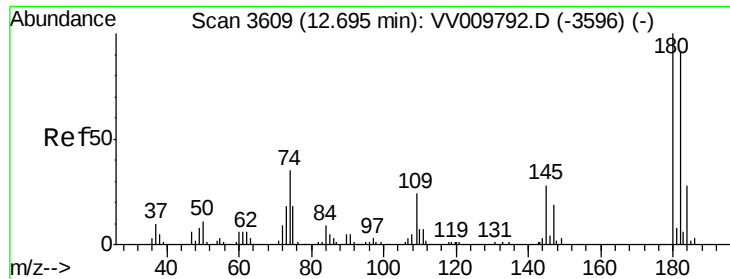
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.140 ug/L
 RT: 12.30 min Scan# 3486
 Delta R.T. -0.18 min
 Lab File: VV009796.D
 Acq: 21 Mar 2019 15:05

Tgt Ion: 75 Resp: 111
 Ion Ratio Lower Upper
 75 100
 155 0.0 73.5 110.3#
 157 0.0 88.3 132.5#



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

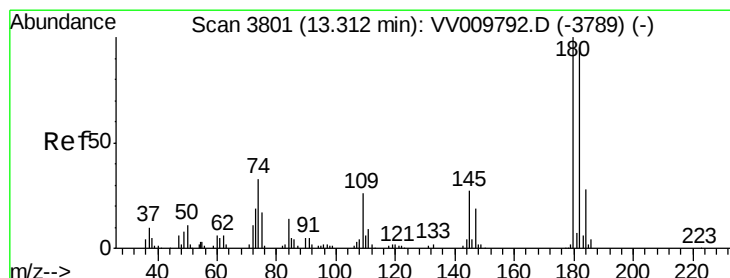
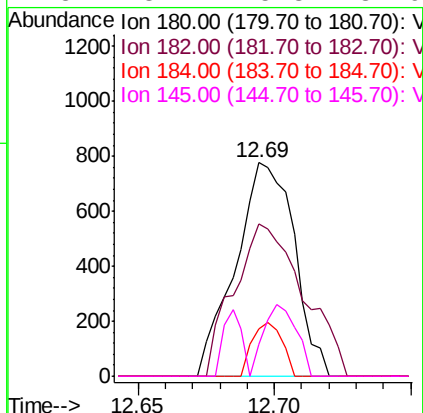
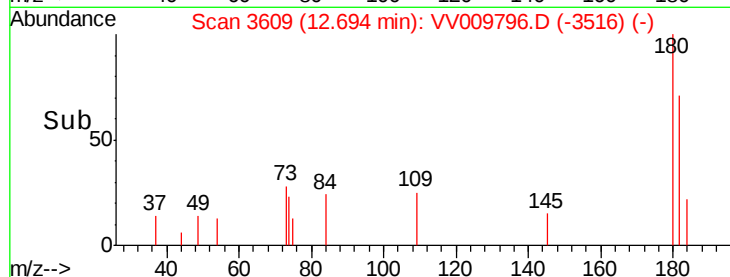
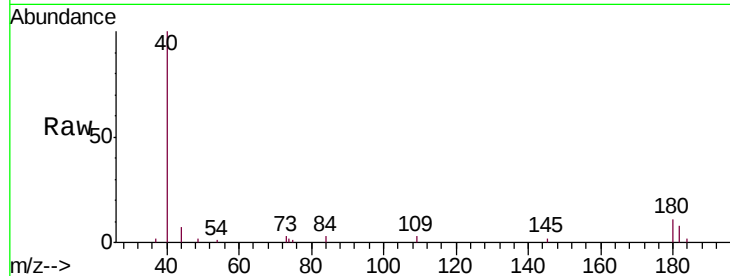




#67
 1,3,5-Trichlorobenzene
 Concen: 0.097 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009796.D
 Acq: 21 Mar 2019 15:05

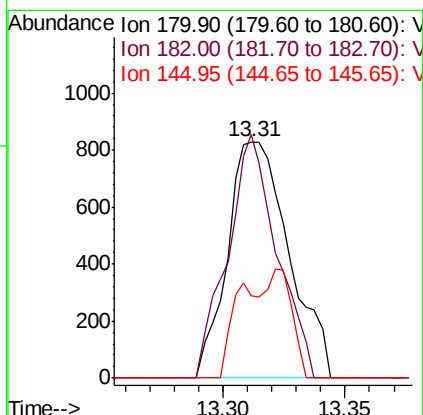
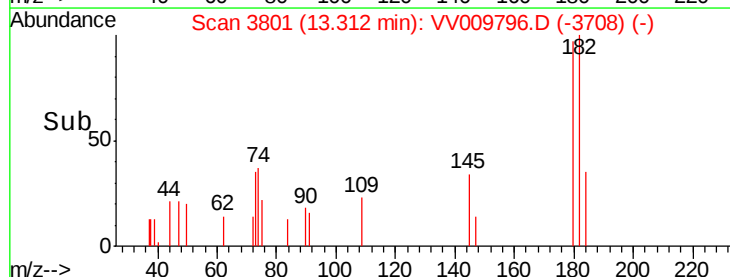
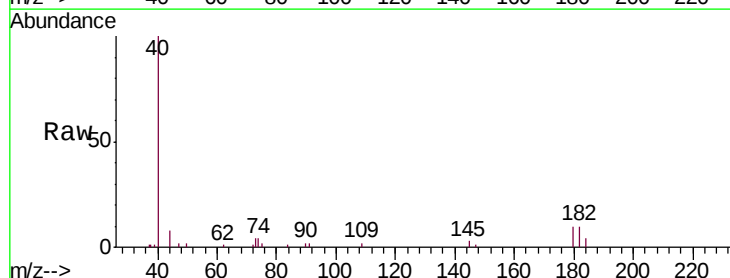
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK31

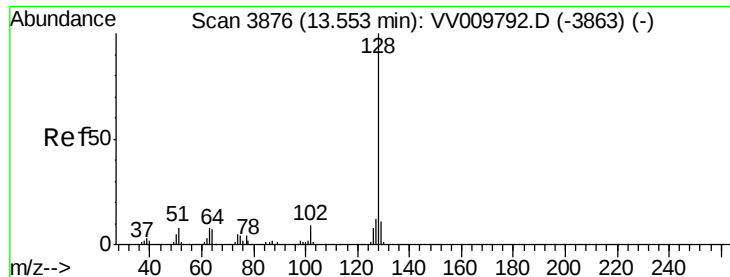
Tgt Ion:180 Resp: 1159
 Ion Ratio Lower Upper
 180 100
 182 84.1 75.0 112.6
 184 12.6 23.9 35.9#
 145 18.7 25.3 37.9#



#68
 1,2,4-trichlorobenzene
 Concen: 0.162 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009796.D
 Acq: 21 Mar 2019 15:05

Tgt Ion:180 Resp: 1446
 Ion Ratio Lower Upper
 180 100
 182 82.7 75.2 112.8
 145 18.2 26.6 39.8#





#69

Naphthalene

Concen: 0.190 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV009796.D

Acq: 21 Mar 2019 15:05

Instrument :

MSVOA_V

ClientSampleId :

VBLK31

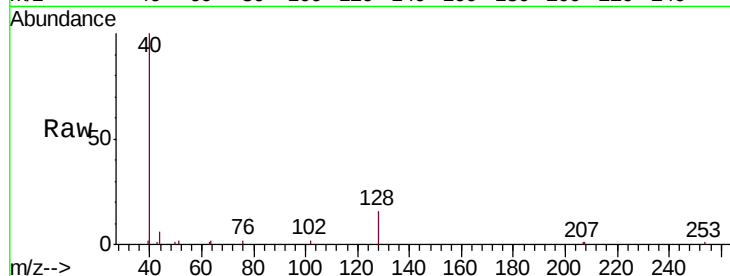
Tgt Ion:128 Resp: 2655

Ion Ratio Lower Upper

128 100

129 0.8 8.9 13.3#

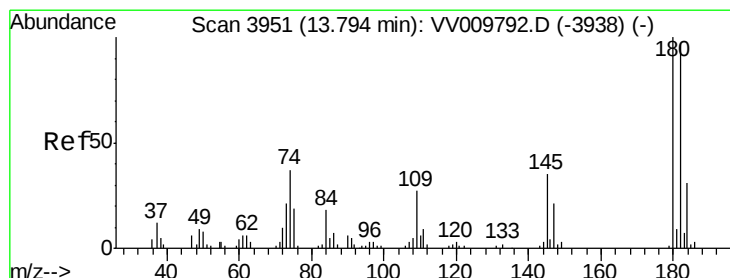
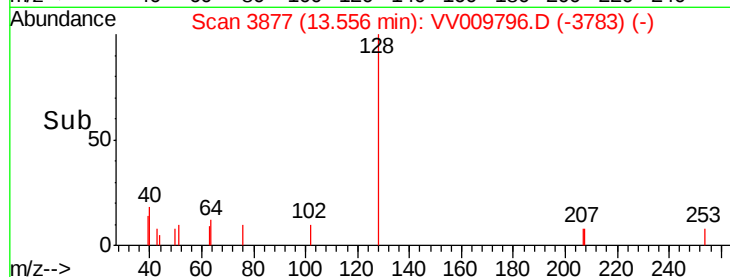
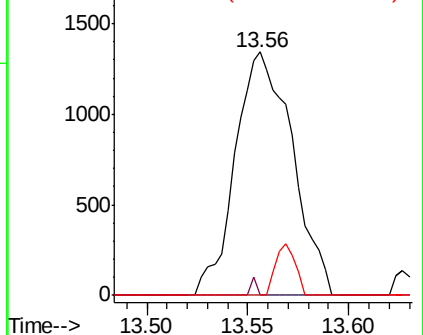
127 7.4 10.4 15.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.121 ug/L

RT: 13.80 min Scan# 3954

Delta R.T. 0.01 min

Lab File: VV009796.D

Acq: 21 Mar 2019 15:05

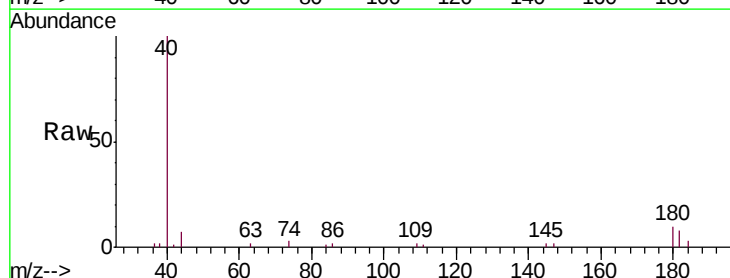
Tgt Ion:180 Resp: 998

Ion Ratio Lower Upper

180 100

182 0.0 76.8 115.2#

145 11.6 28.2 42.2#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

