

Data File : VV012384.D
Acq On : 24 Aug 2019 00:36
Operator : SY/MD
Sample : K4500-12
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANK6

Quant Time: Aug 26 08:07:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	238105	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	233268	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	91788	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62354	5.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.80%
7) Chloroethane-d5	1.58	69	43535	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.20%
11) 1,1-Dichloroethene-d2	2.13	63	79568	3.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	3.94	46	112310	35.02	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.04%
24) Chloroform-d	4.40	84	121084	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.40%
26) 1,2-Dichloroethane-d4	5.08	65	66087	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.10	84	264750	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	81687	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.36	98	217241	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.66	79	25197	3.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.20%
46) 2-Hexanone-d5	8.13	63	73804	36.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45018	3.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	78.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	77874	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

						Qvalue
6) Bromomethane	1.53	94	567	0.082	ug/L #	59
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	869	0.083	ug/L #	14
12) 1,1-Dichloroethene	2.13	96	956	0.100	ug/L #	1
13) Acetone	2.19	43	82410	59.396	ug/L	97
15) Methyl Acetate	2.30	43	3257	0.933	ug/L #	52
17) Methyl tert-butyl Ether	2.80	73	8147	0.283	ug/L #	87
18) trans-1,2-Dichloroethene	2.79	96	3783	0.266	ug/L	96
21) 2-Butanone	4.02	43	18986	5.826	ug/L	87
22) cis-1,2-Dichloroethene	3.96	96	1782	0.115	ug/L	71
25) Chloroform	4.43	83	15852	0.538	ug/L	99
34) Trichloroethene	5.96	95	79050	4.924	ug/L	99
35) Methylcyclohexane	6.12	83	19505	0.774	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	9073	0.602	ug/L #	85
44) trans-1,3-Dichloropropene	7.67	75	1154	0.075	ug/L	86
45) 1,1,2-Trichloroethane	8.02	97	21492	2.201	ug/L #	1
47) Tetrachloroethene	8.02	164	2597041	200.496	ug/L	96
48) 2-Hexanone	8.18	43	15440	2.650	ug/L #	75

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082319\
Quantitation Report (Not Reviewed)

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QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

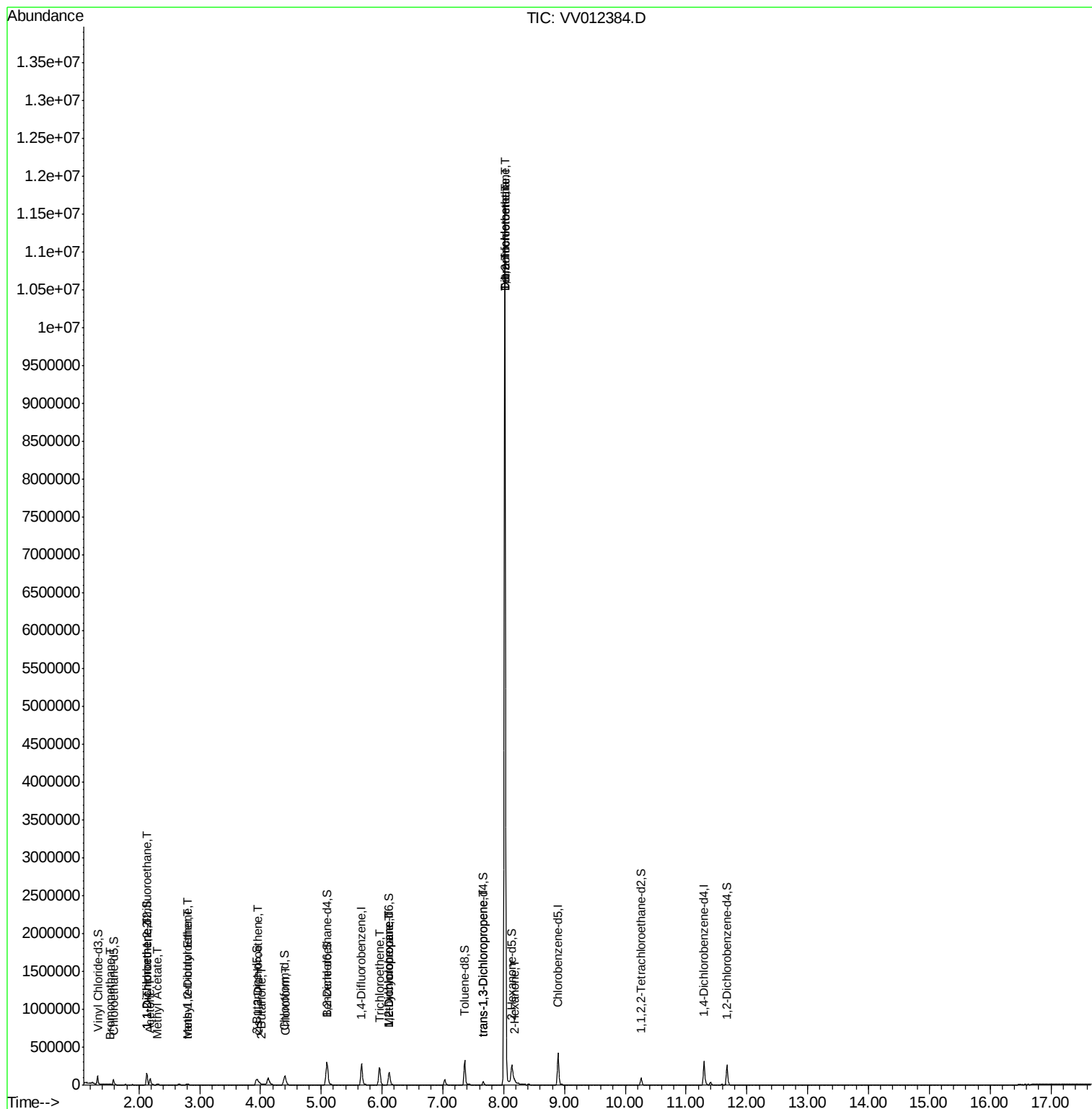
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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49) Dibromochloromethane	8.02	129	2249435	192.232	ug/L #	11
-----	-----	-----	-----	-----	-----	-----

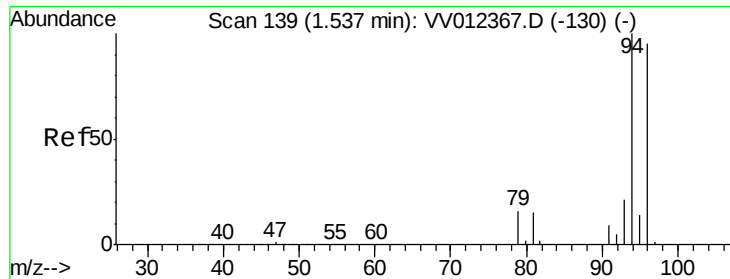
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Bromomethane

Concen: 0.082 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV012384.D

Acq: 24 Aug 2019 00:36

Instrument :

MSVOA_V

ClientSampleId :

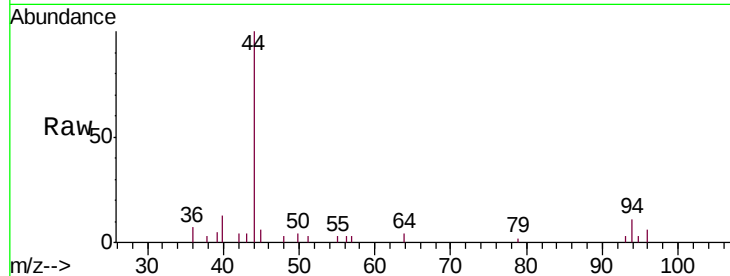
GANK6

Tgt Ion: 94 Resp: 567

Ion Ratio Lower Upper

94 100

96 57.9 69.2 128.6#



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

400

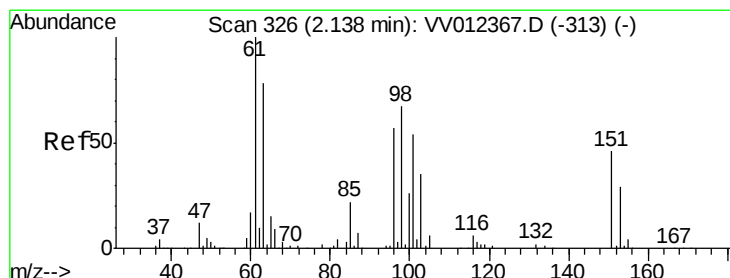
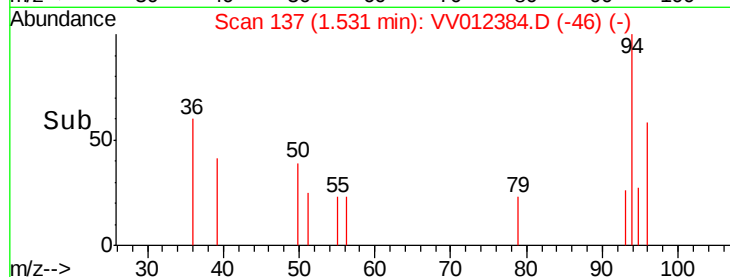
300

200

100

0

Time-->



#10

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

Concen: 0.083 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012384.D

Acq: 24 Aug 2019 00:36

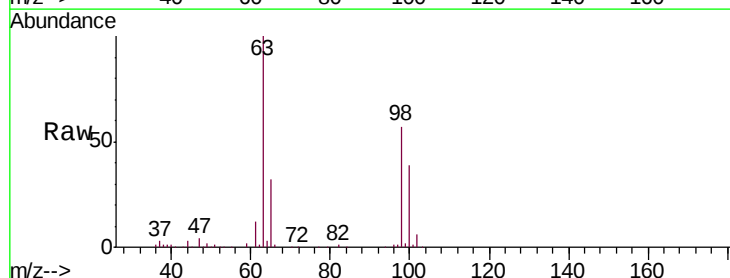
Tgt Ion: 101 Resp: 869

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

151 0.0 71.2 106.8#



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

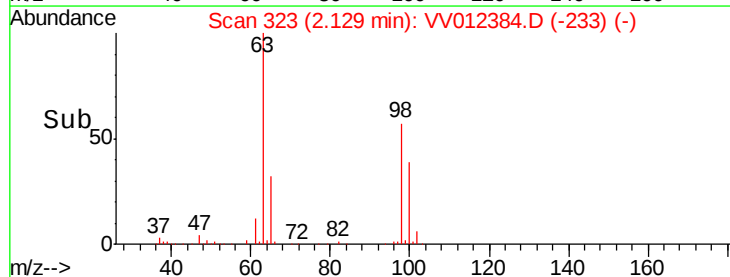
600

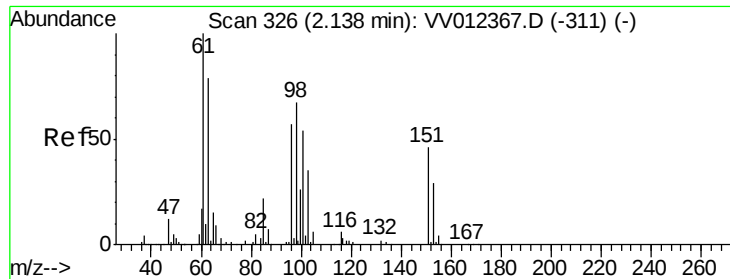
400

200

0

Time-->

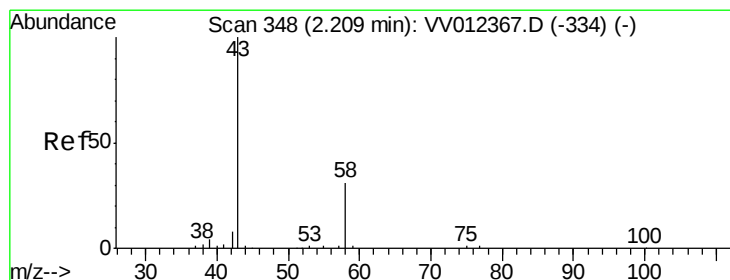
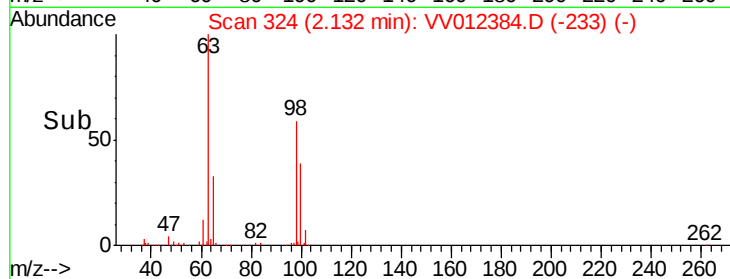
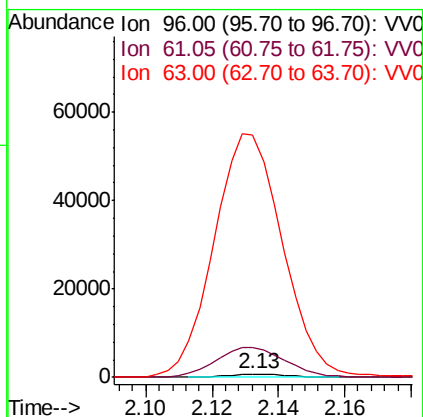
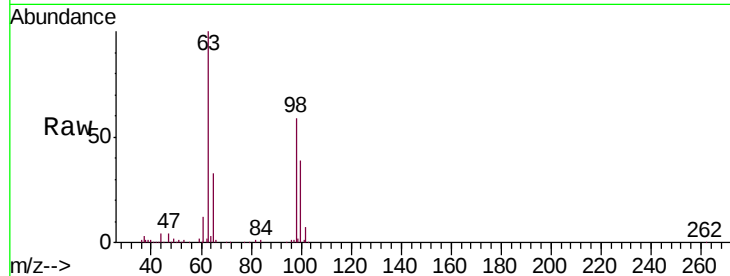




#12
 1,1-Dichloroethene
 Concen: 0.100 ug/L
 RT: 2.13 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VV012384.D
 Acq: 24 Aug 2019 00:36

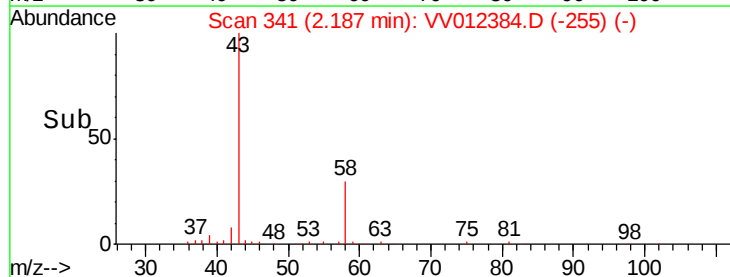
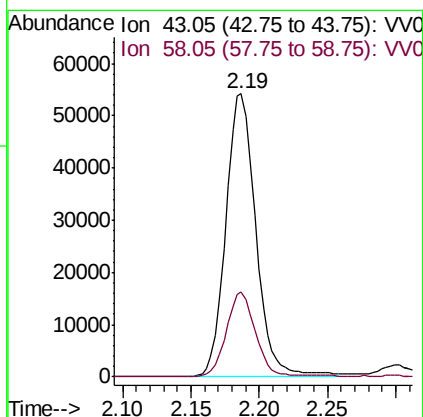
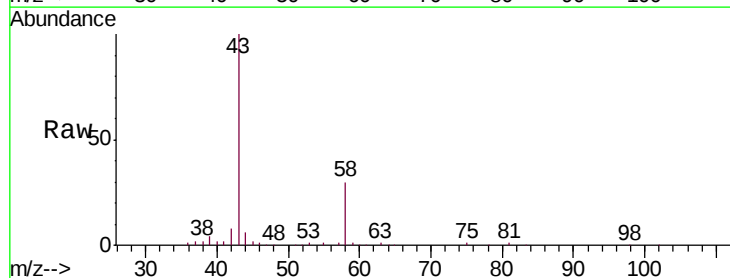
Instrument :
 MSVOA_V
 ClientSampleId :
 GANK6

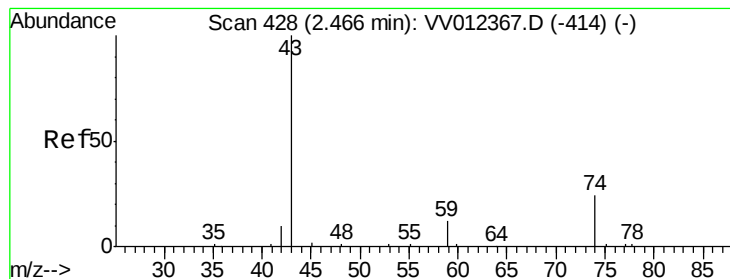
Tgt Ion: 96 Resp: 956
 Ion Ratio Lower Upper
 96 100
 61 986.9 122.3 227.1#
 63 8047.0 90.6 168.2#



#13
 Acetone
 Concen: 59.396 ug/L
 RT: 2.19 min Scan# 341
 Delta R.T. -0.02 min
 Lab File: VV012384.D
 Acq: 24 Aug 2019 00:36

Tgt Ion: 43 Resp: 82410
 Ion Ratio Lower Upper
 43 100
 58 29.9 0.0 62.8





#15

Methyl Acetate

Concen: 0.933 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.17 min

Lab File: VV012384.D

Acq: 24 Aug 2019 00:36

Instrument :

MSVOA_V

ClientSampleId :

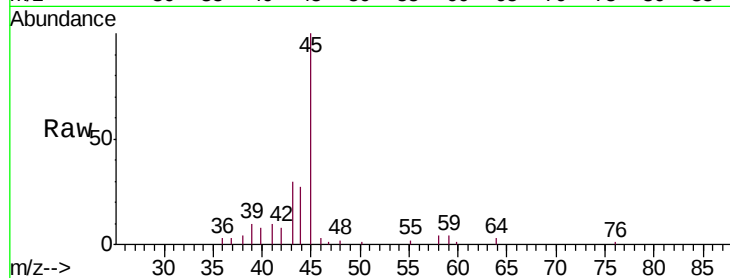
GANK6

Tgt Ion: 43 Resp: 3257

Ion Ratio Lower Upper

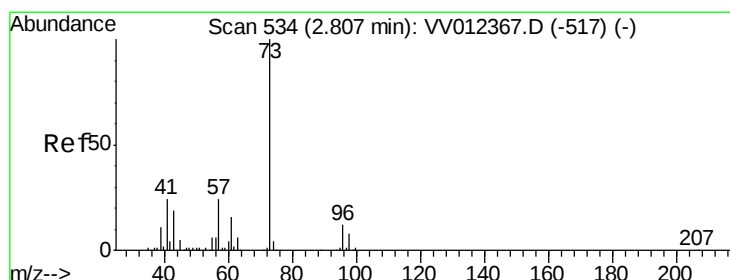
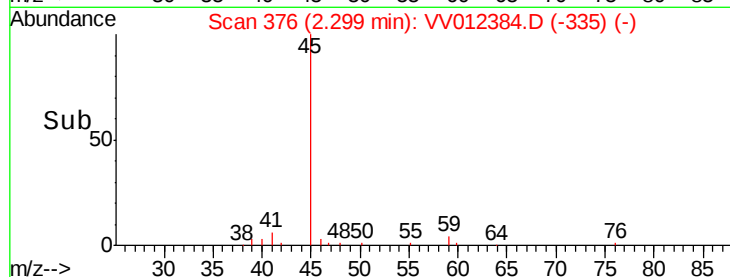
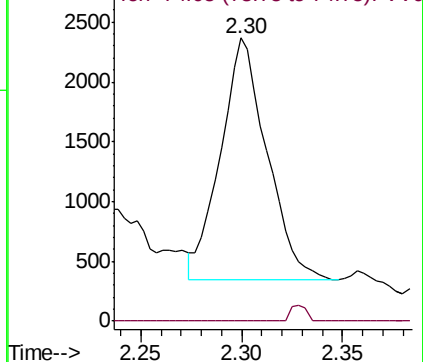
43 100

74 2.1 21.8 32.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#17

Methyl tert-butyl Ether

Concen: 0.283 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV012384.D

Acq: 24 Aug 2019 00:36

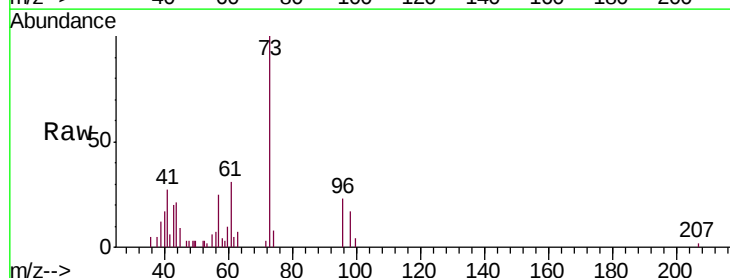
Tgt Ion: 73 Resp: 8147

Ion Ratio Lower Upper

73 100

43 27.3 15.0 22.6#

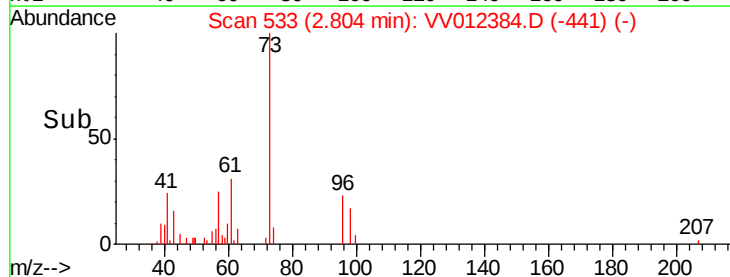
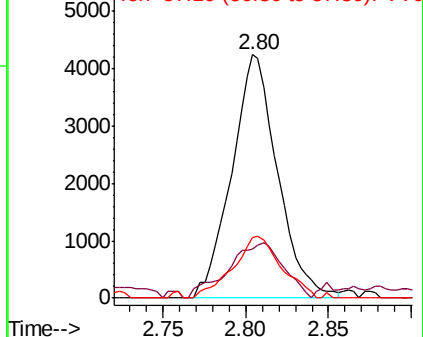
57 26.8 18.0 27.0

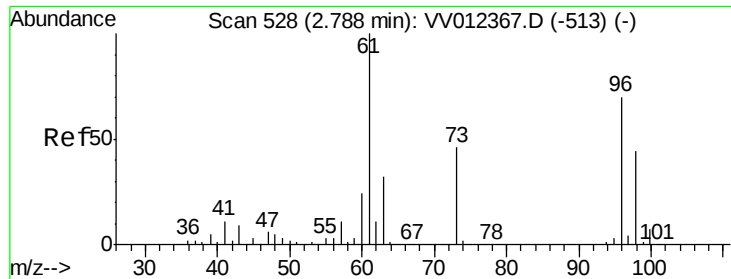


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

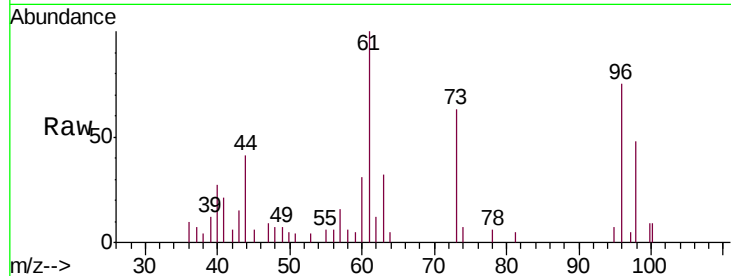




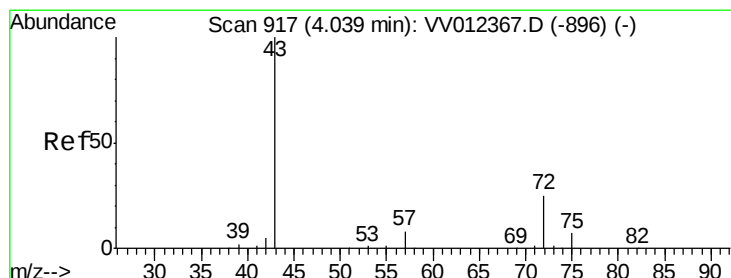
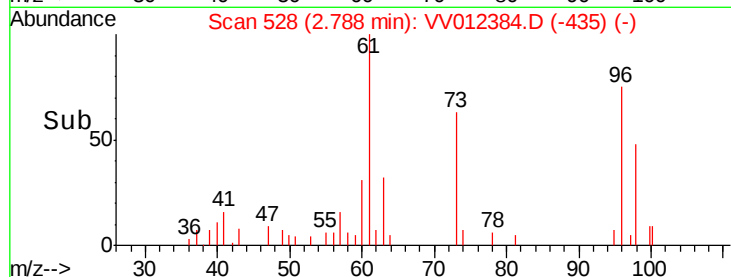
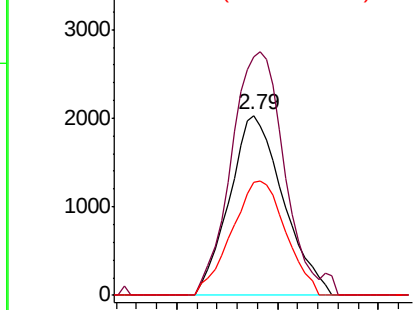
#18
trans-1,2-Dichloroethene
Concen: 0.266 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012384.D
Acq: 24 Aug 2019 00:36

Instrument :
MSVOA_V
ClientSampleId :
GANK6

Tgt Ion: 96 Resp: 3783
Ion Ratio Lower Upper
96 100
61 132.5 96.0 178.4
98 62.9 42.1 78.3

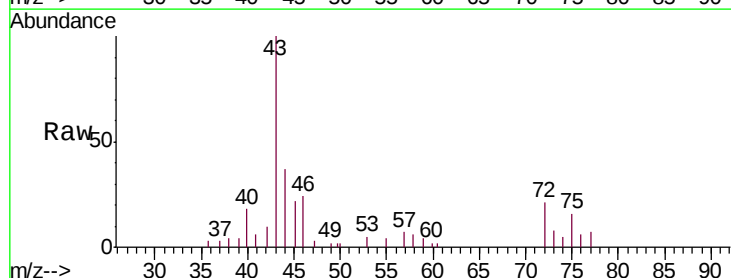


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

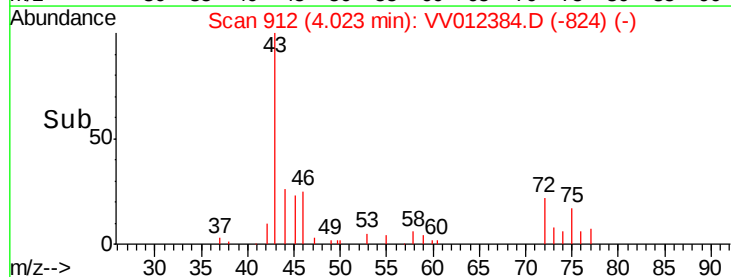
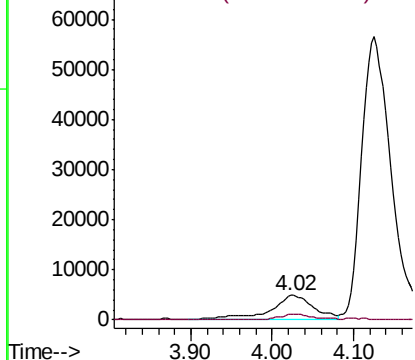


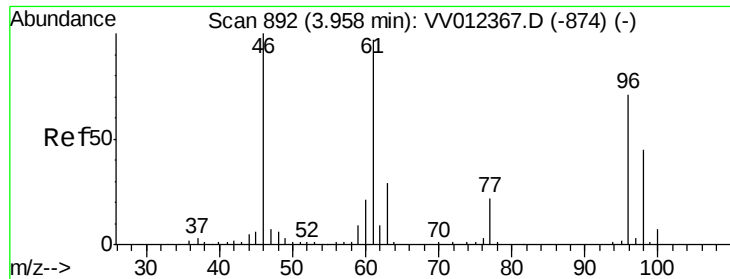
#21
2-Butanone
Concen: 5.826 ug/L
RT: 4.02 min Scan# 912
Delta R.T. -0.02 min
Lab File: VV012384.D
Acq: 24 Aug 2019 00:36

Tgt Ion: 43 Resp: 18986
Ion Ratio Lower Upper
43 100
72 18.1 12.2 36.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 72.10 (71.80 to 72.80): VV0

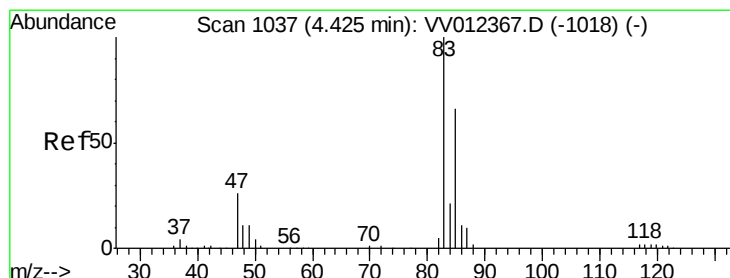
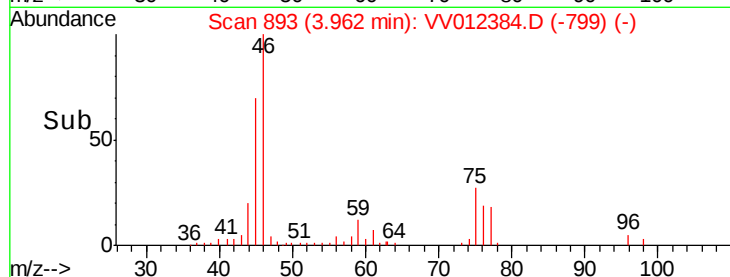
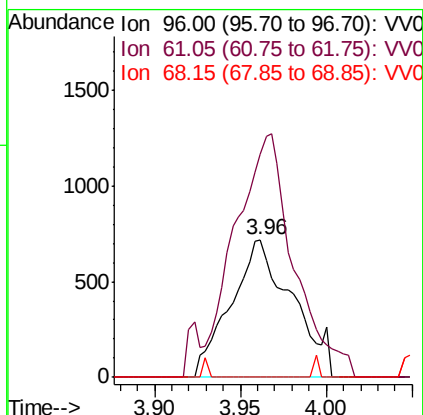
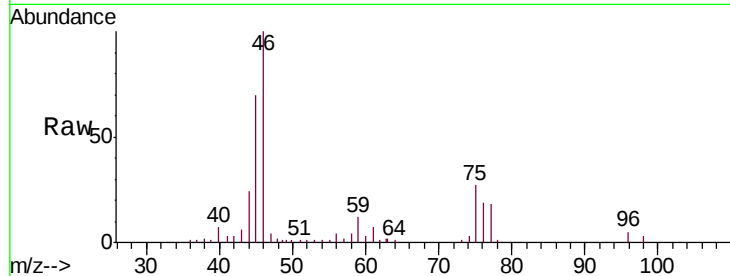




#22
 cis-1,2-Dichloroethene
 Concen: 0.115 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012384.D
 Acq: 24 Aug 2019 00:36

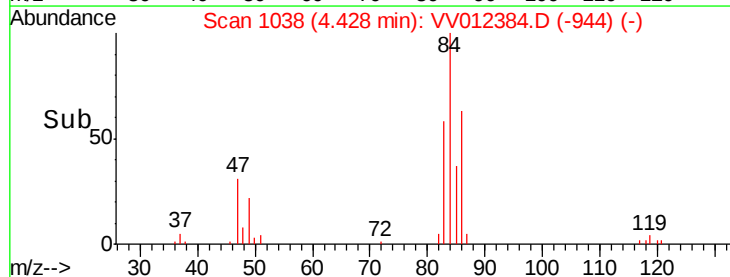
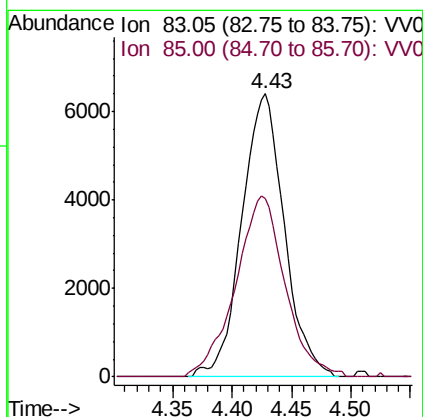
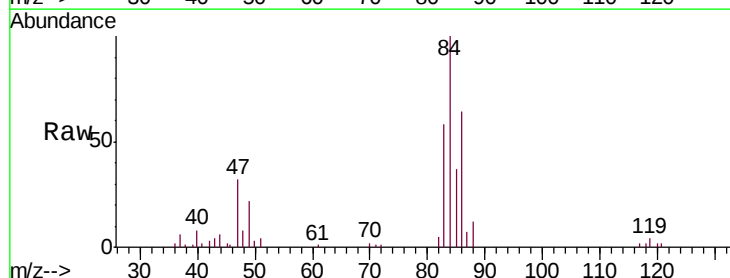
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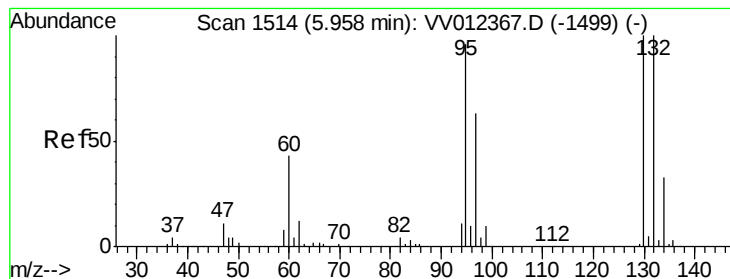
Tgt Ion: 96 Resp: 1782
 Ion Ratio Lower Upper
 96 100
 61 161.6 89.4 166.0
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.538 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV012384.D
 Acq: 24 Aug 2019 00:36

Tgt Ion: 83 Resp: 15852
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.6 82.8





#34

Trichloroethene

Concen: 4.924 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012384.D

Acq: 24 Aug 2019 00:36

Instrument :

MSVOA_V

ClientSampleId :

GANK6

Tgt Ion: 95 Resp: 79050

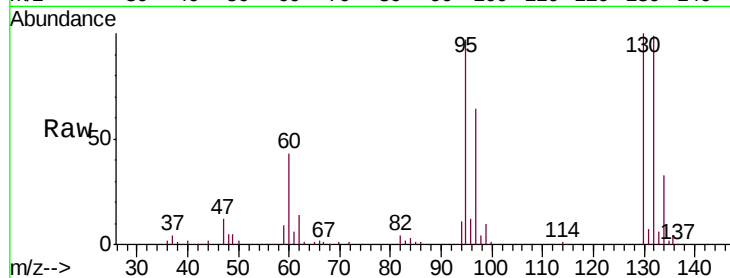
Ion Ratio Lower Upper

95 100

97 66.3 46.3 86.1

132 102.0 70.3 130.7

130 103.3 72.4 134.5

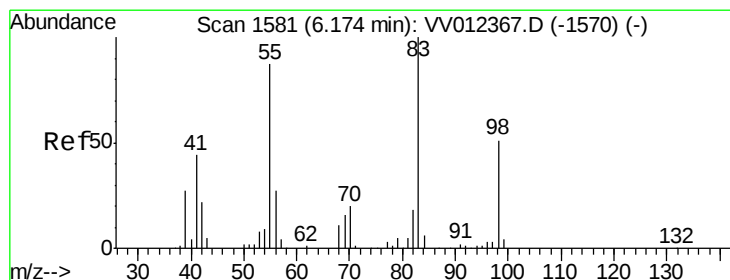
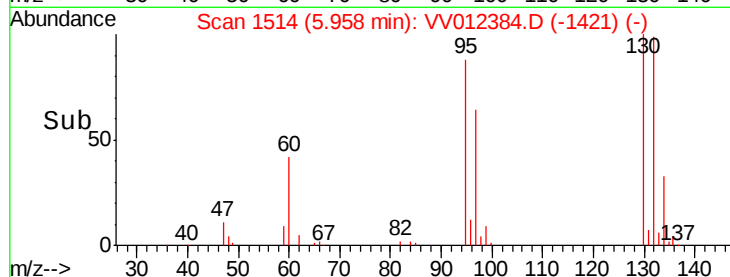
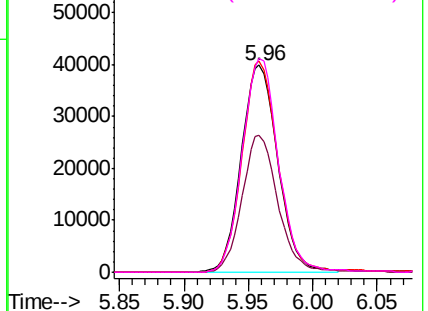


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.774 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV012384.D

Acq: 24 Aug 2019 00:36

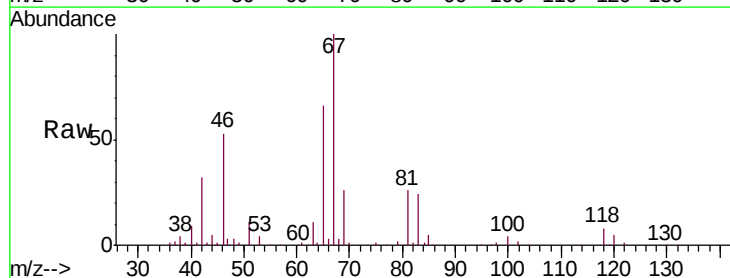
Tgt Ion: 83 Resp: 19505

Ion Ratio Lower Upper

83 100

55 0.5 64.6 97.0#

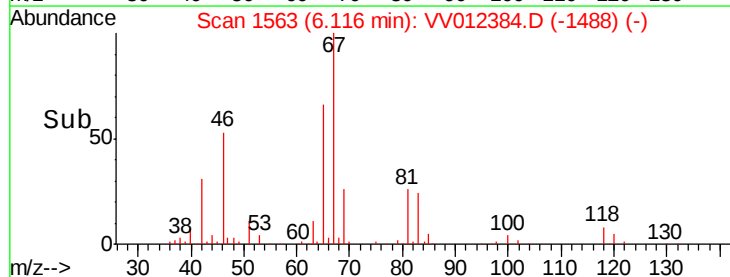
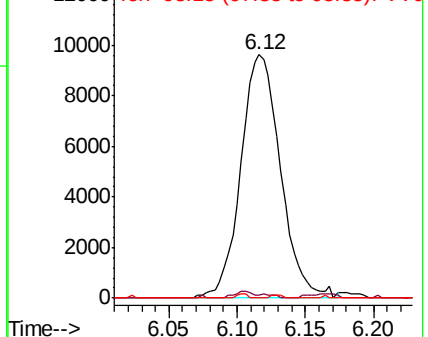
98 0.0 39.0 58.4#

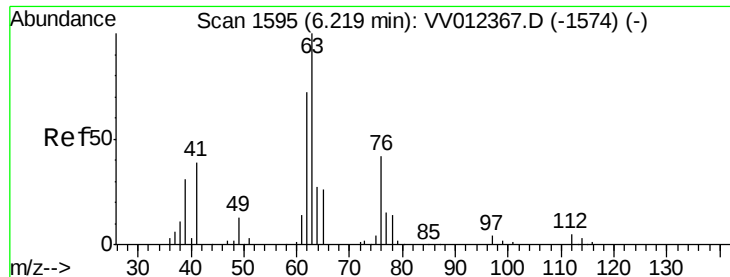


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

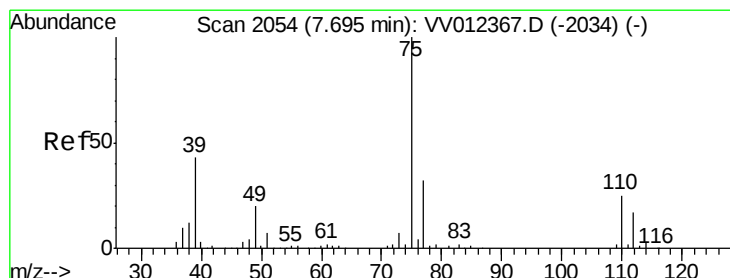
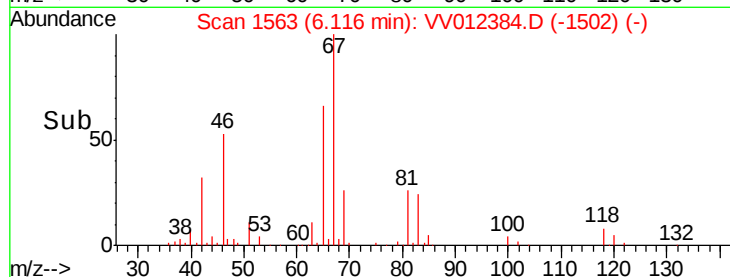
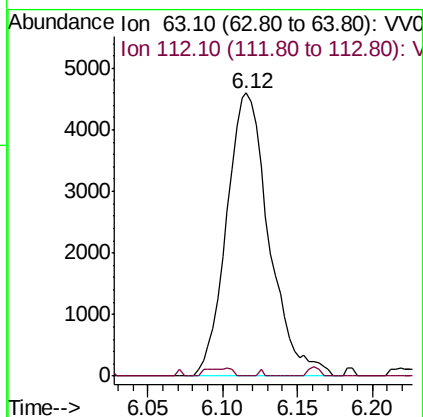
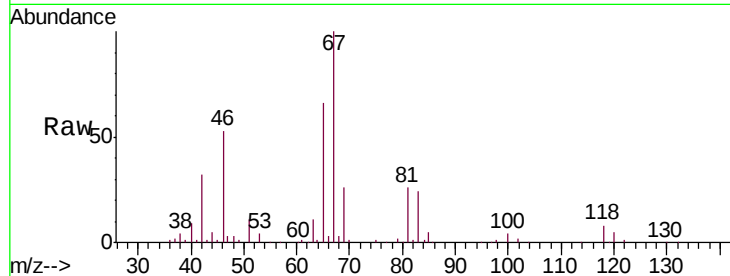




#37
 1,2-Dichloropropane
 Concen: 0.602 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV012384.D
 Acq: 24 Aug 2019 00:36

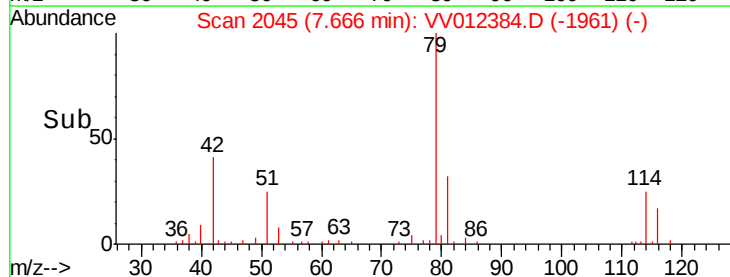
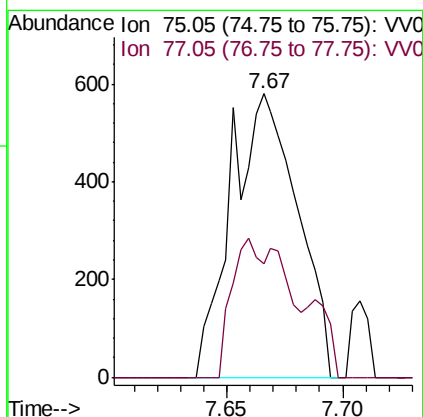
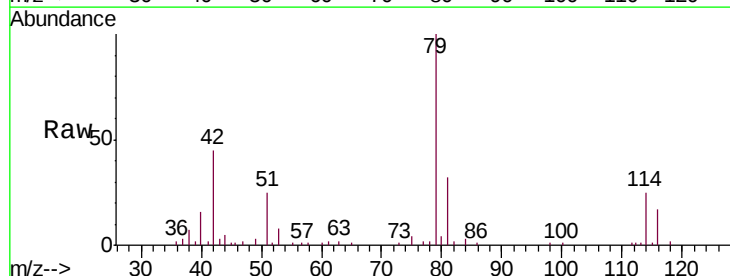
Instrument :
 MSVOA_V
 ClientSampled :
 GANK6

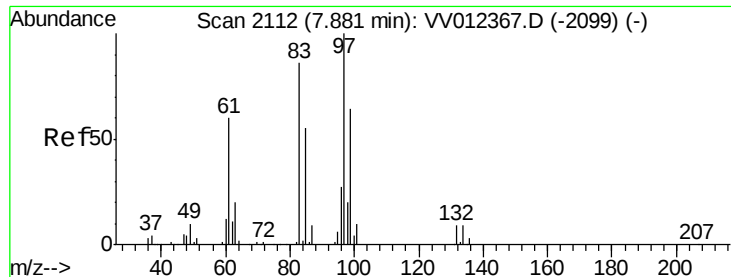
Tgt Ion: 63 Resp: 9073
 Ion Ratio Lower Upper
 63 100
 112 0.2 4.2 6.2#



#44
 trans-1,3-Dichloropropene
 Concen: 0.075 ug/L
 RT: 7.67 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VV012384.D
 Acq: 24 Aug 2019 00:36

Tgt Ion: 75 Resp: 1154
 Ion Ratio Lower Upper
 75 100
 77 40.2 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 2.201 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV012384.D

Acq: 24 Aug 2019 00:36

Instrument :

MSVOA_V

ClientSampleId :

GANK6

Tgt Ion: 97 Resp: 21492

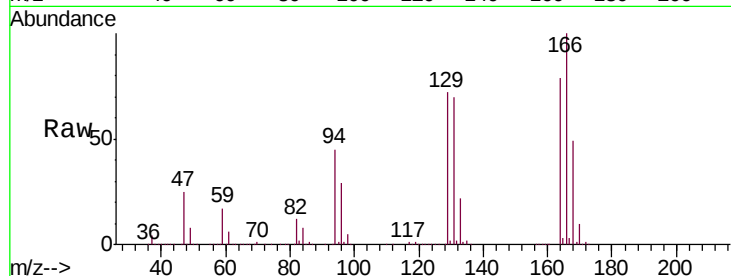
Ion Ratio Lower Upper

97 100

99 15.4 45.0 83.6#

83 278.7 59.3 110.1#

85 41.7 38.8 72.0



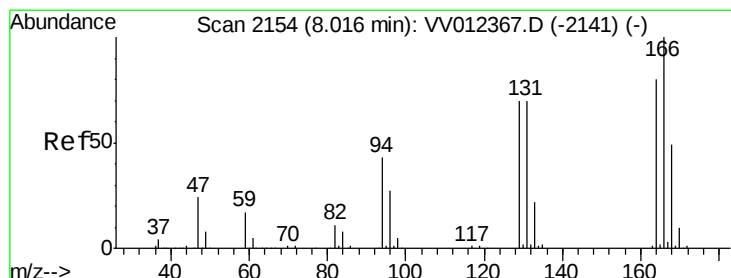
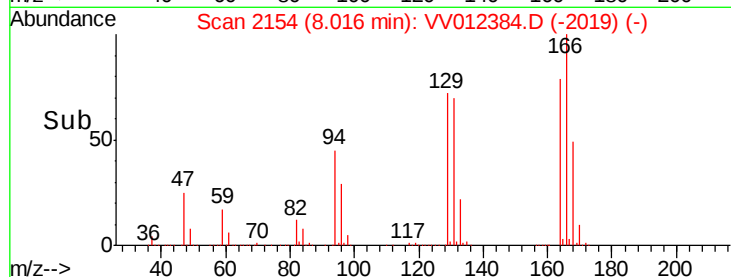
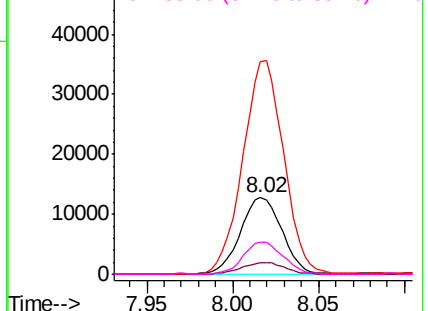
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 200.496 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012384.D

Acq: 24 Aug 2019 00:36

Tgt Ion: 164 Resp: 2597041

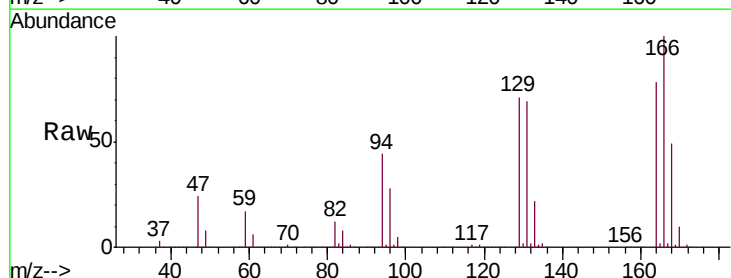
Ion Ratio Lower Upper

164 100

129 91.1 60.6 112.6

131 88.4 58.8 109.2

166 127.8 87.6 162.8



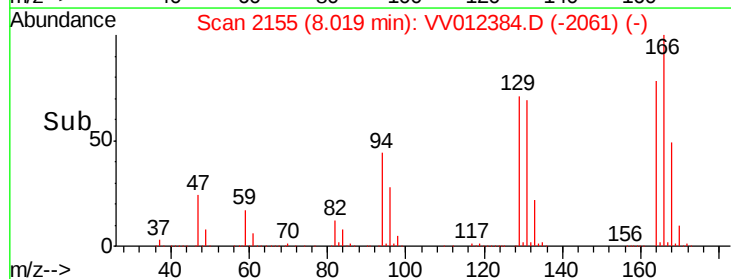
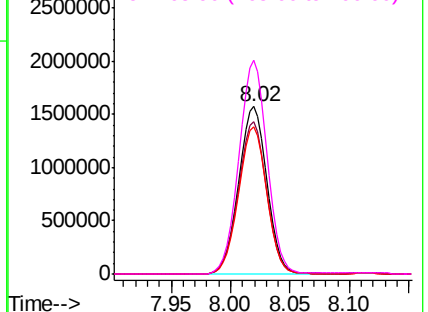
Abundance

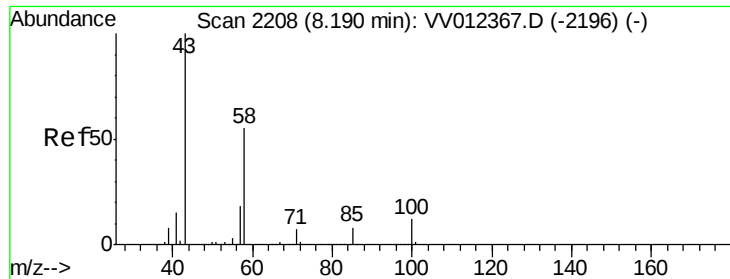
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

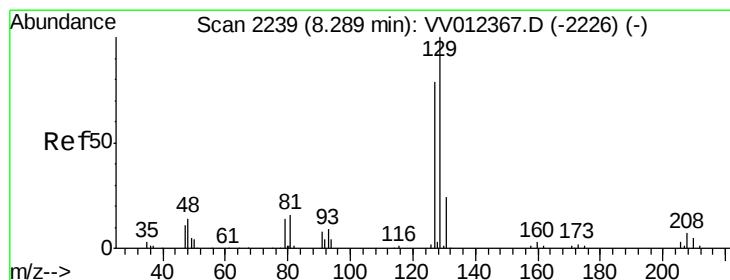
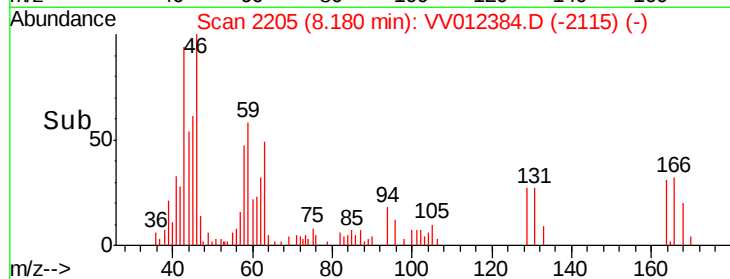
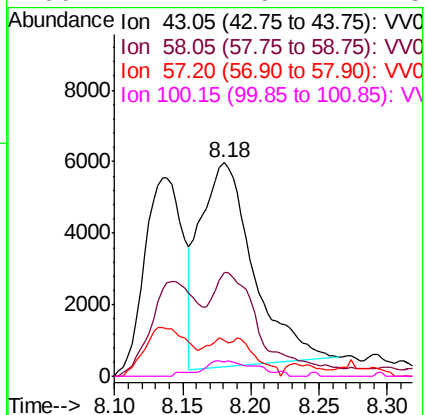
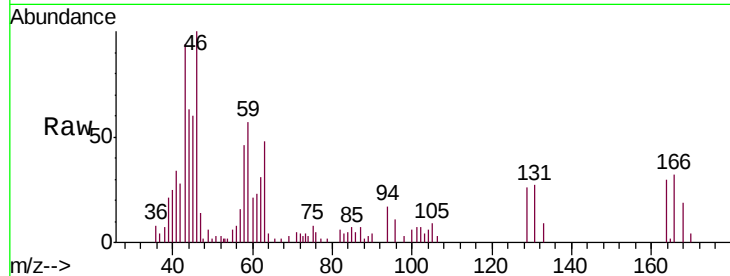




#48
 2-Hexanone
 Concen: 2.650 ug/L
 RT: 8.18 min Scan# 2205
 Delta R.T. -0.01 min
 Lab File: VV012384.D
 Acq: 24 Aug 2019 00:36

Instrument :
 MSVOA_V
 ClientSampleId :
 GANK6

Tgt Ion: 43 Resp: 15440
 Ion Ratio Lower Upper
 43 100
 58 40.4 46.3 69.5#
 57 1.5 14.9 22.3#
 100 7.4 9.7 14.5#



#49
 Dibromochloromethane
 Concen: 192.232 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV012384.D
 Acq: 24 Aug 2019 00:36

Tgt Ion: 129 Resp: 2249435
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.8 99.8#

