

Data File : VV012386.D
Acq On : 24 Aug 2019 01:31
Operator : SY/MD
Sample : K4500-14
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANK8

Quant Time: Aug 26 08:07:34 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	243683	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	244551	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97086	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66929	5.50	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	110.00%
7) Chloroethane-d5	1.58	69	47571	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	86025	3.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.60%
20) 2-Butanone-d5	3.93	46	119454	36.39	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.78%
24) Chloroform-d	4.40	84	131992	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	68941	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.10	84	283844	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	86524	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	233868	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
43) trans-1,3-Dichloropropene-	7.66	79	27461	4.02	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.40%
46) 2-Hexanone-d5	8.13	63	80271	37.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48851	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	80318	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

						Qvalue
3) Chloromethane	1.26	50	1455	0.091	ug/L	85
6) Bromomethane	1.54	94	609	0.086	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	949	0.088	ug/L #	14
12) 1,1-Dichloroethene	2.13	96	964	0.099	ug/L #	1
13) Acetone	2.18	43	163300	115.002	ug/L	98
15) Methyl Acetate	2.18	43	136614	38.220	ug/L #	48
21) 2-Butanone	4.02	43	30224	9.062	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	1882	0.119	ug/L	97
25) Chloroform	4.42	83	13424	0.445	ug/L	96
34) Trichloroethene	5.96	95	8741	0.519	ug/L	93
35) Methylcyclohexane	6.12	83	20712	0.783	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	9490	0.601	ug/L #	86
39) cis-1,3-Dichloropropene	7.03	75	2190	0.103	ug/L	85
44) trans-1,3-Dichloropropene	7.66	75	1228	0.076	ug/L	94
45) 1,1,2-Trichloroethane	8.02	97	18843	1.841	ug/L #	1
47) Tetrachloroethene	8.02	164	2269726	167.142	ug/L	96
48) 2-Hexanone	8.18	43	18009	2.949	ug/L #	80

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

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Aug 26 07:59:52 2019
Response via : Initial Calibration

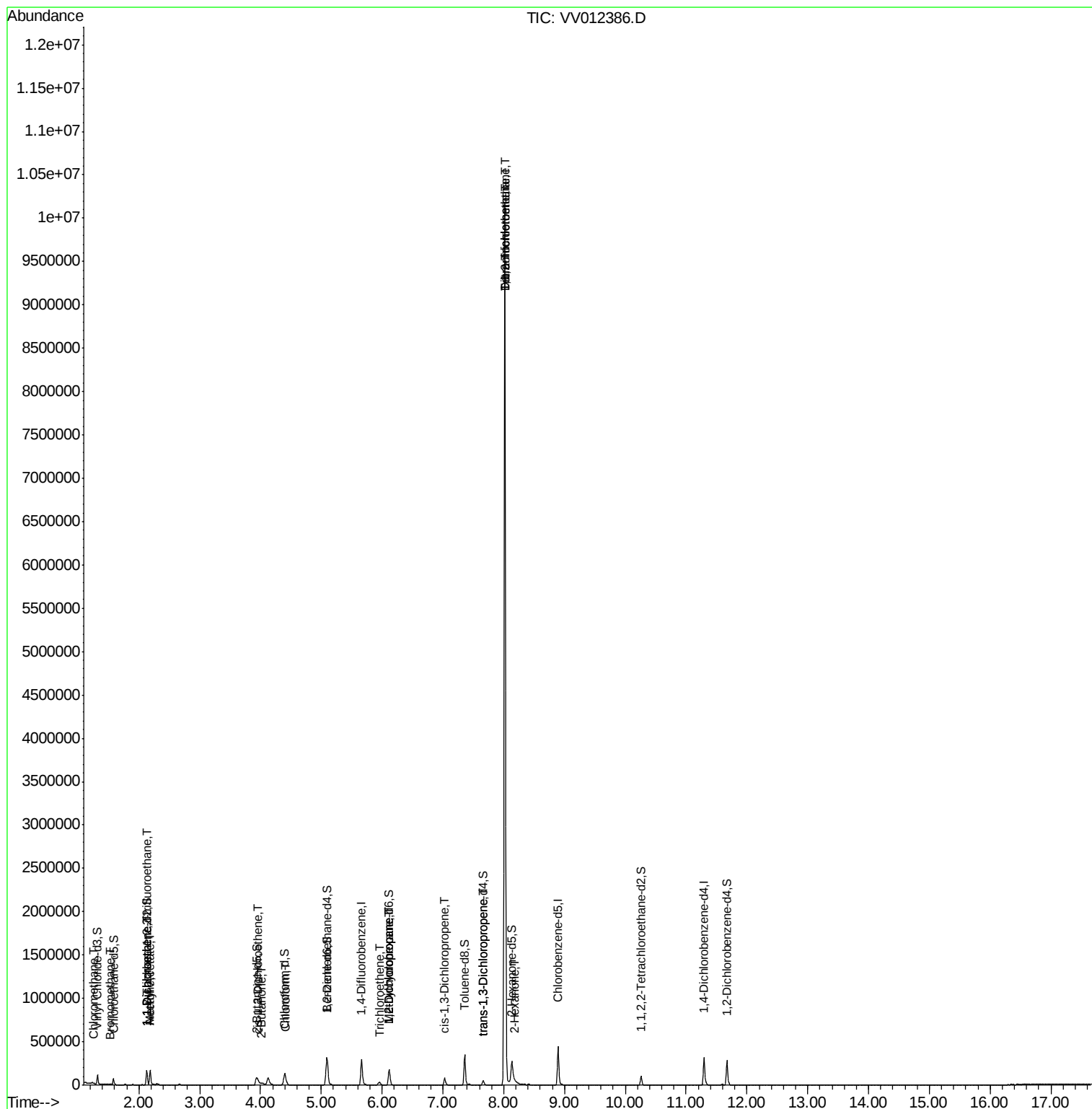
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
49) Dibromochloromethane	8.02	129	1954489	159.321	ug/L #	11
-----	-----	-----	-----	-----	-----	-----

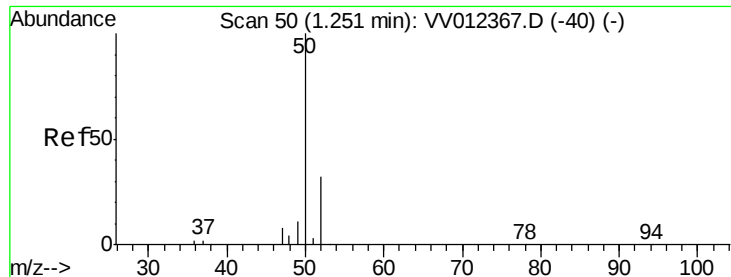
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#3

Chloromethane

Concen: 0.091 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV012386.D

Acq: 24 Aug 2019 01:31

Instrument :

MSVOA_V

ClientSampleId :

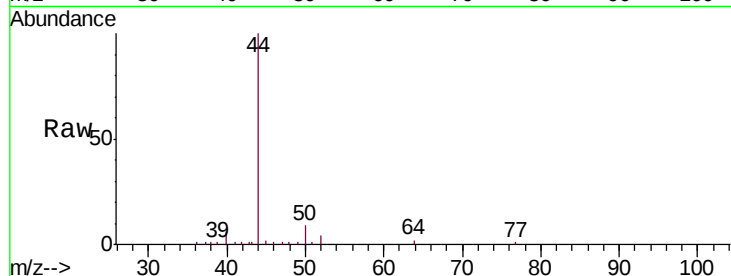
GANK8

Tgt Ion: 50 Resp: 1455

Ion Ratio Lower Upper

50 100

52 40.1 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV012367.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV012386.D (-1) (-)

1.26

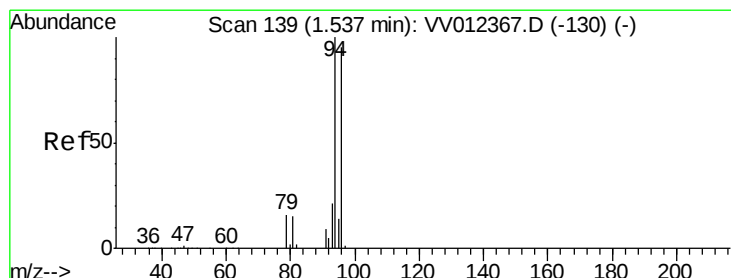
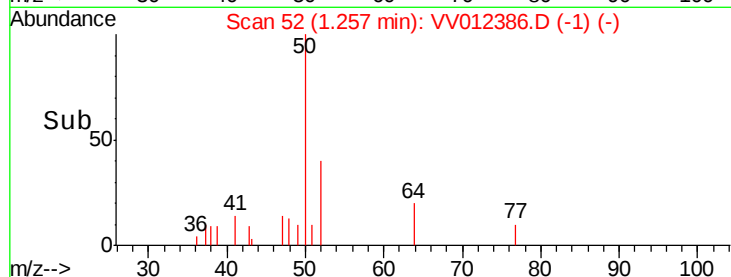
1000

500

0

1.22 1.24 1.26 1.28 1.30

Time-->



#6

Bromomethane

Concen: 0.086 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012386.D

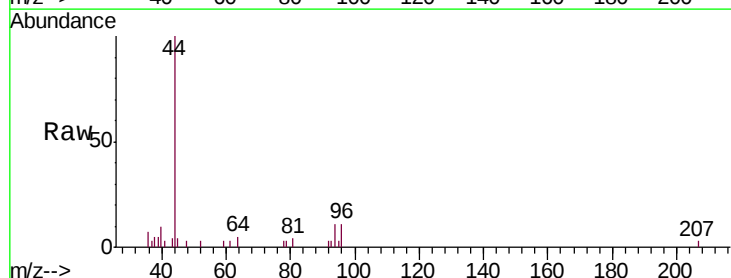
Acq: 24 Aug 2019 01:31

Tgt Ion: 94 Resp: 609

Ion Ratio Lower Upper

94 100

96 95.1 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV012367.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV012386.D (-46) (-)

1.54

500

400

300

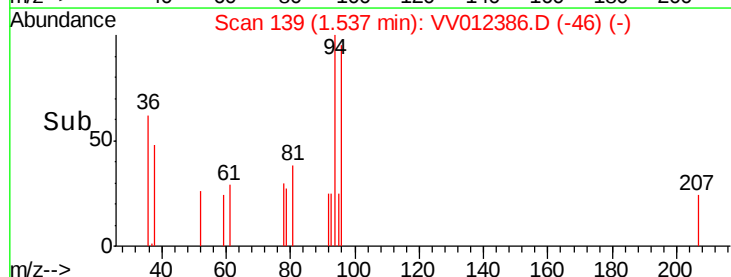
200

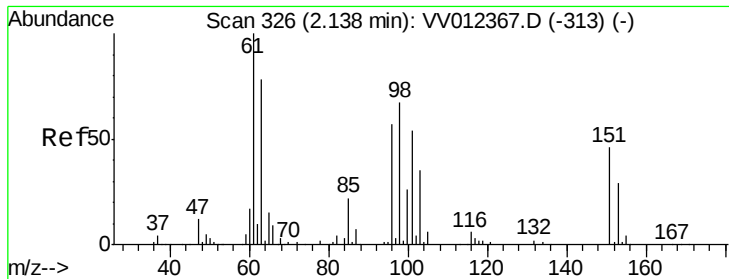
100

0

1.50 1.52 1.54 1.56 1.58

Time-->





#10

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

Concen: 0.088 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012386.D

Acq: 24 Aug 2019 01:31

Instrument :

MSVOA_V

ClientSampled :

GANK8

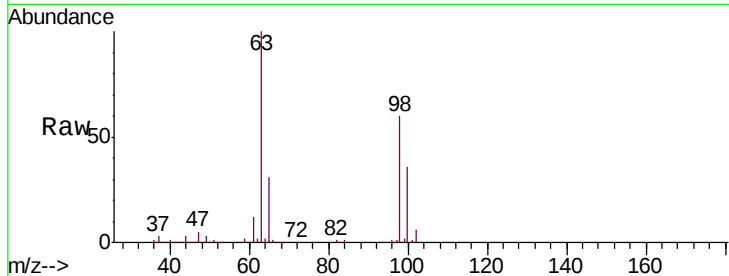
Tgt Ion: 101 Resp: 949

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

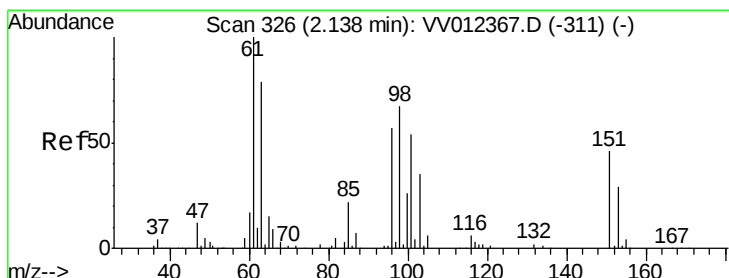
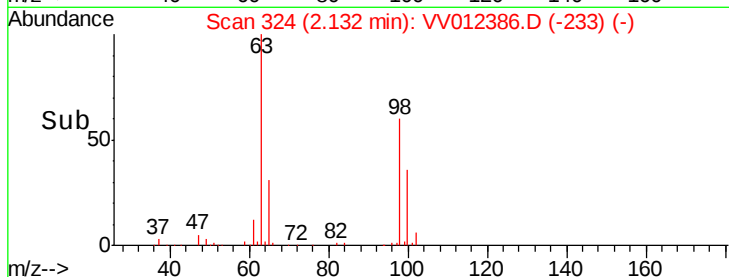
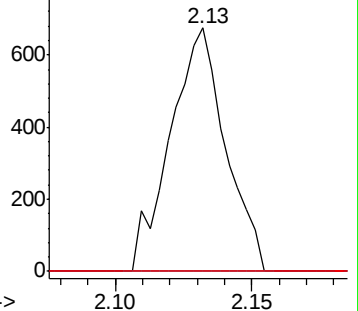
151 0.0 71.2 106.8#



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



#12

1,1-Dichloroethene

Concen: 0.099 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV012386.D

Acq: 24 Aug 2019 01:31

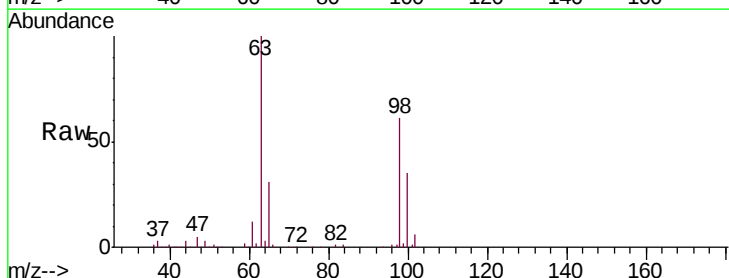
Tgt Ion: 96 Resp: 964

Ion Ratio Lower Upper

96 100

61 1095.0 122.3 227.1#

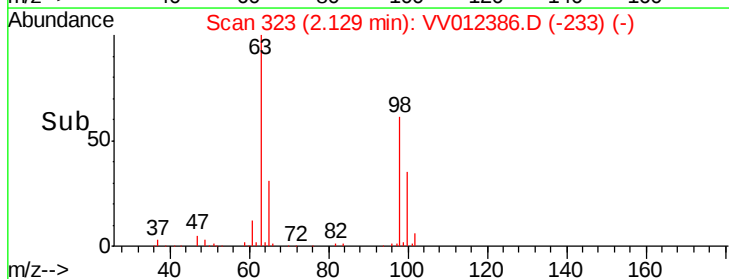
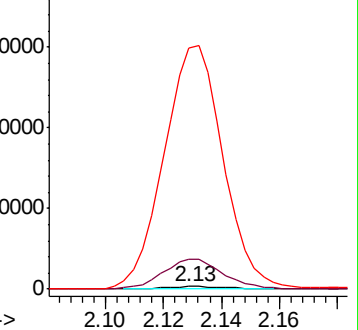
63 8858.0 90.6 168.2#

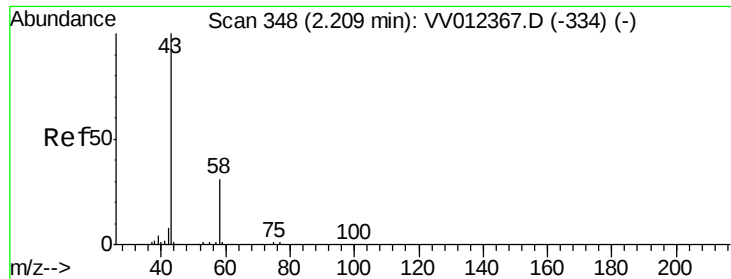


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 115.002 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV012386.D

Acq: 24 Aug 2019 01:31

Instrument :

MSVOA_V

ClientSampleId :

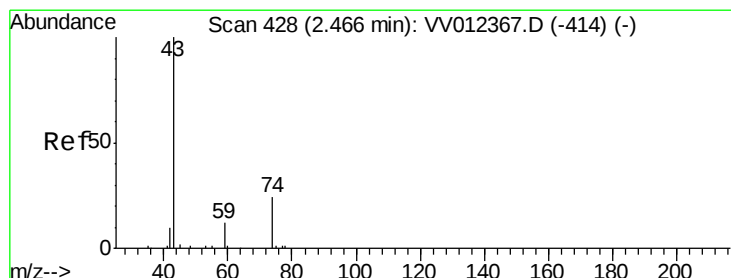
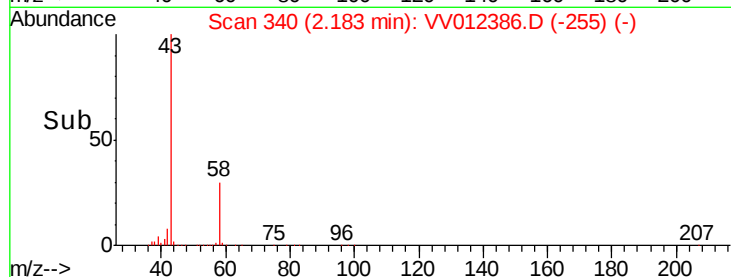
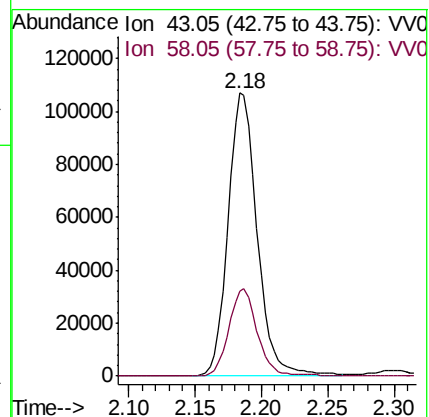
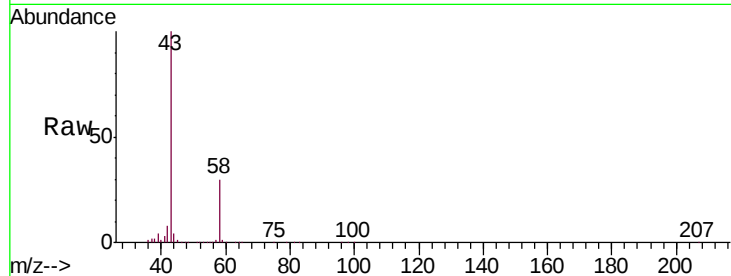
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Tgt Ion: 43 Resp: 163300

Ion Ratio Lower Upper

43 100

58 30.5 0.0 62.8



#15

Methyl Acetate

Concen: 38.220 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.28 min

Lab File: VV012386.D

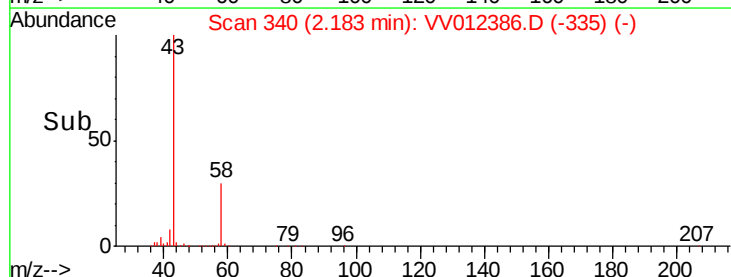
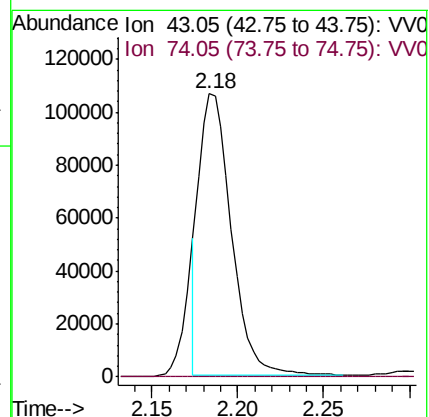
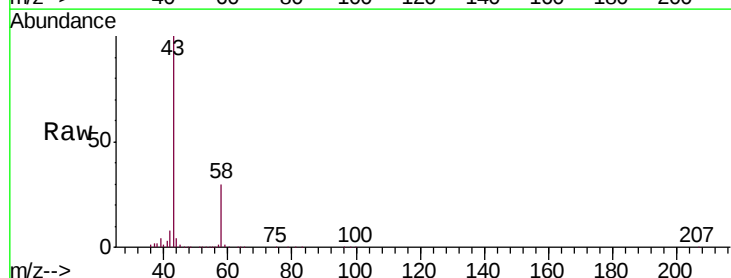
Acq: 24 Aug 2019 01:31

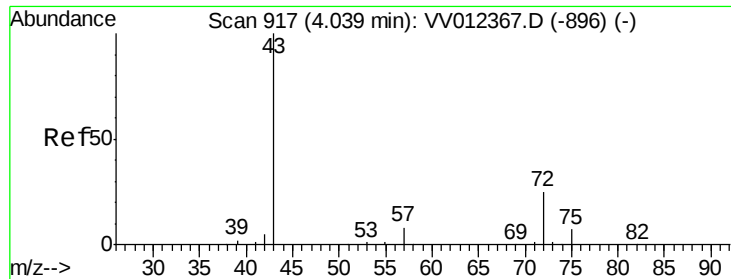
Tgt Ion: 43 Resp: 136614

Ion Ratio Lower Upper

43 100

74 0.0 21.8 32.6#





#21

2-Butanone

Concen: 9.062 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.02 min

Lab File: VV012386.D

Acq: 24 Aug 2019 01:31

Instrument :

MSVOA_V

ClientSampled :

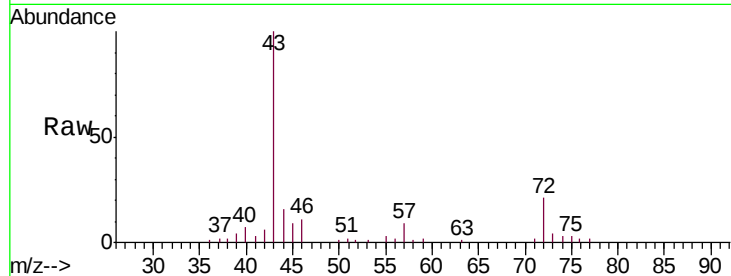
GANK8

Tgt Ion: 43 Resp: 30224

Ion Ratio Lower Upper

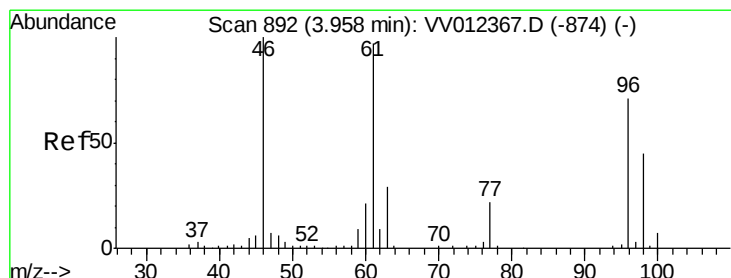
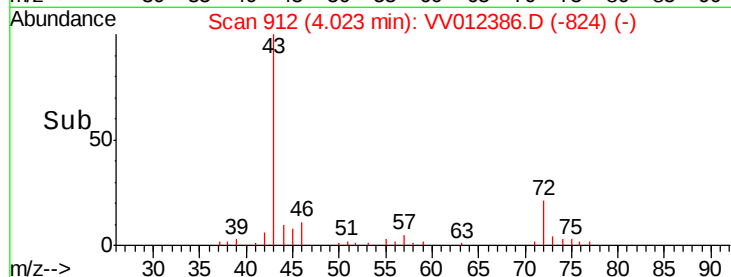
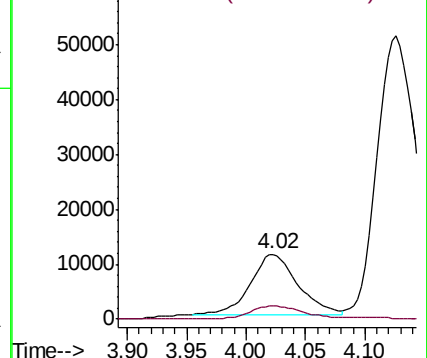
43 100

72 25.2 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: 0.119 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012386.D

Acq: 24 Aug 2019 01:31

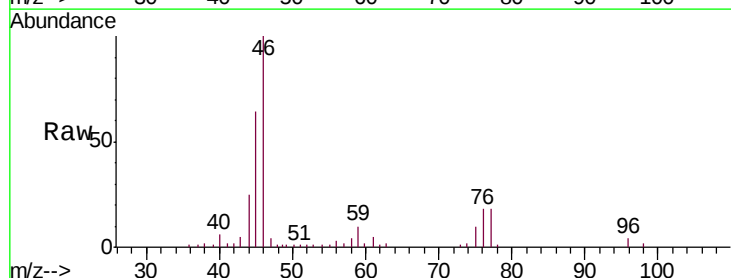
Tgt Ion: 96 Resp: 1882

Ion Ratio Lower Upper

96 100

61 124.6 89.4 166.0

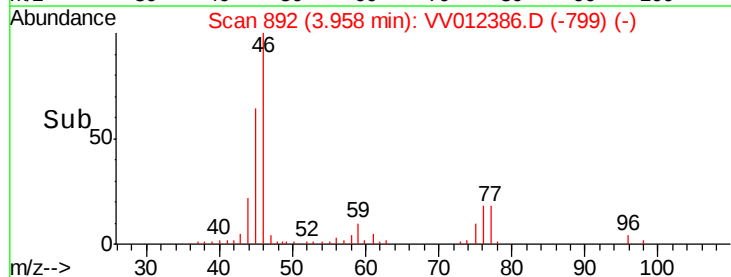
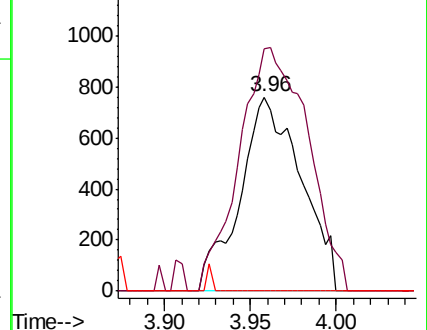
68 0.0 0.0 0.0

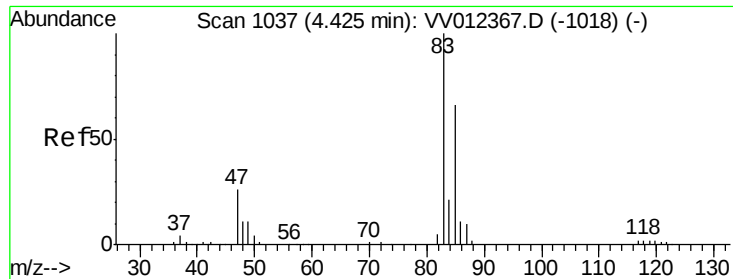


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

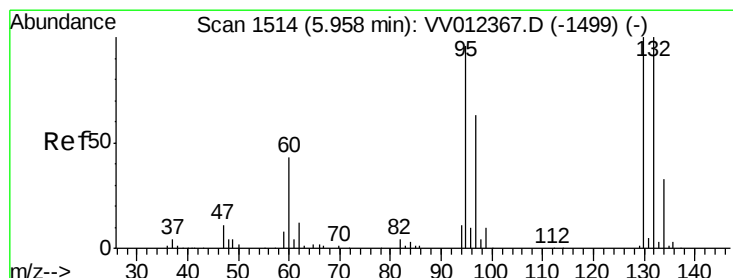
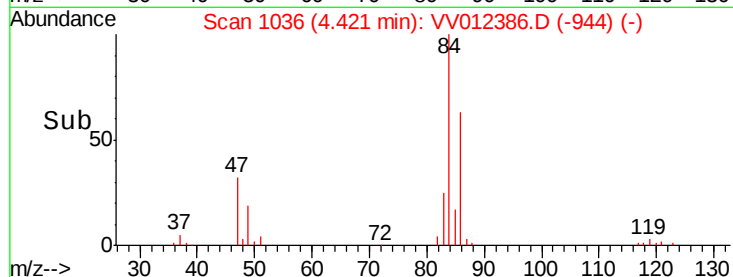
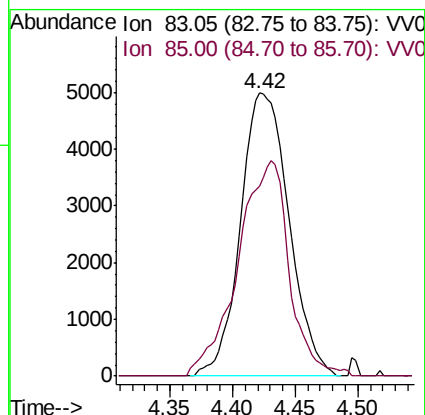
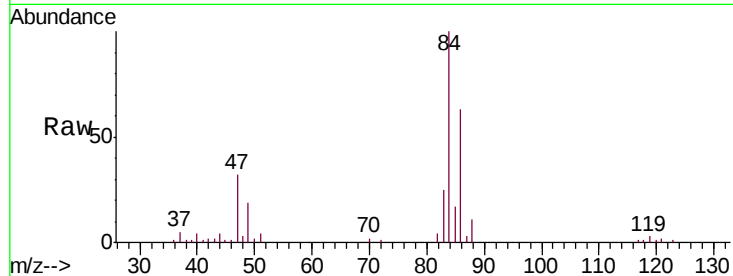




#25
Chloroform
Concen: 0.445 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012386.D
Acq: 24 Aug 2019 01:31

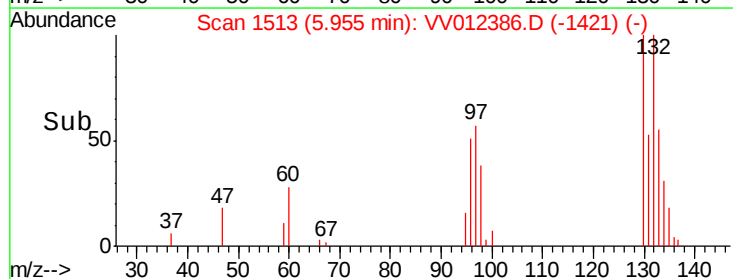
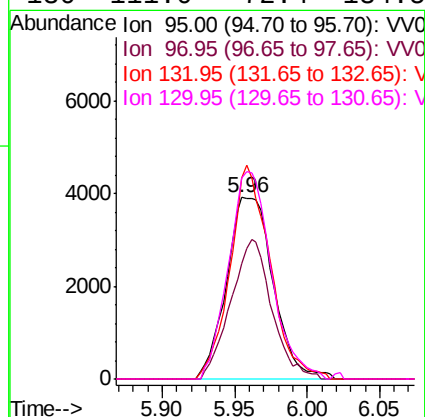
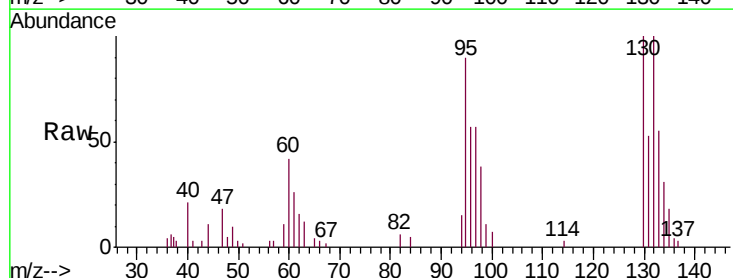
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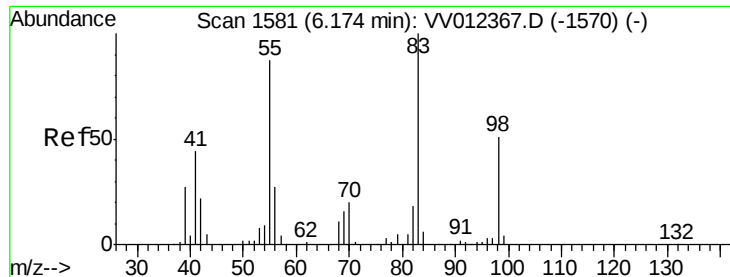
Tgt Ion: 83 Resp: 13424
Ion Ratio Lower Upper
83 100
85 67.1 44.6 82.8



#34
Trichloroethene
Concen: 0.519 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV012386.D
Acq: 24 Aug 2019 01:31

Tgt Ion: 95 Resp: 8741
Ion Ratio Lower Upper
95 100
97 63.4 46.3 86.1
132 110.8 70.3 130.7
130 111.0 72.4 134.5

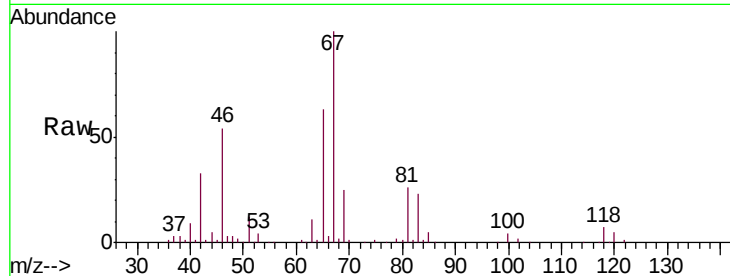




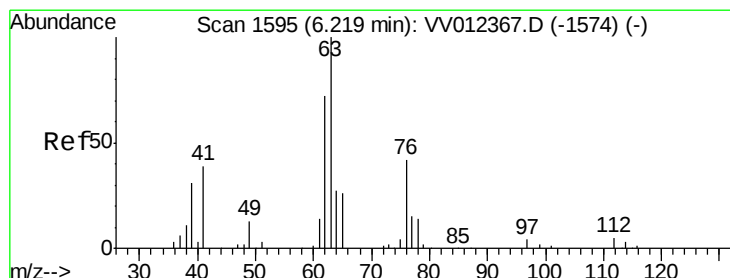
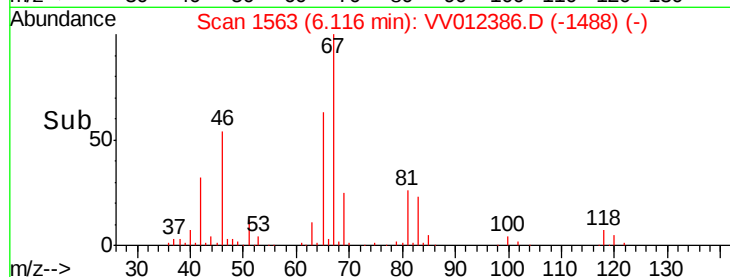
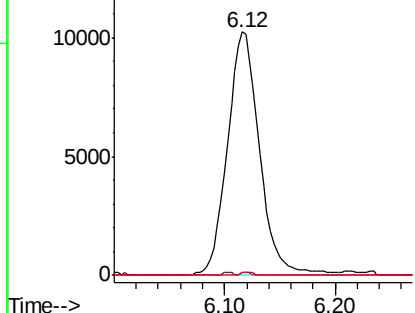
#35
Methylcyclohexane
Concen: 0.783 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012386.D
Acq: 24 Aug 2019 01:31

Instrument :
MSVOA_V
ClientSampleId :
GANK8

Tgt Ion: 83 Resp: 20712
Ion Ratio Lower Upper
83 100
55 0.4 64.6 97.0#
98 0.0 39.0 58.4#

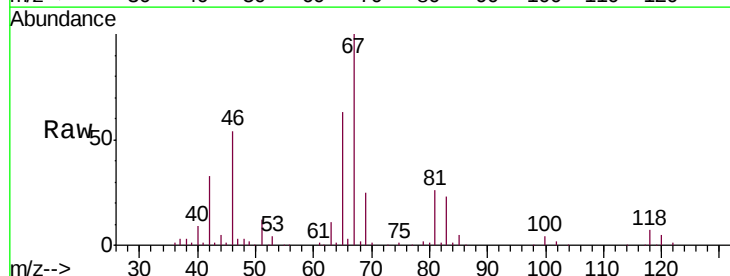


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

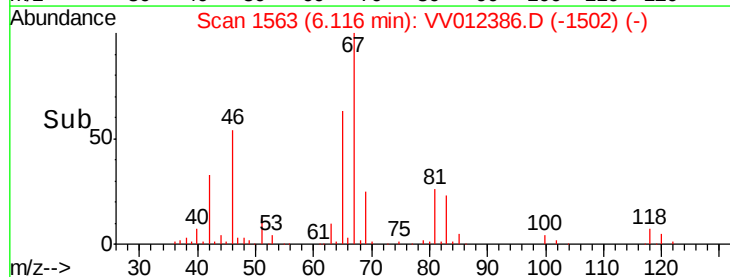
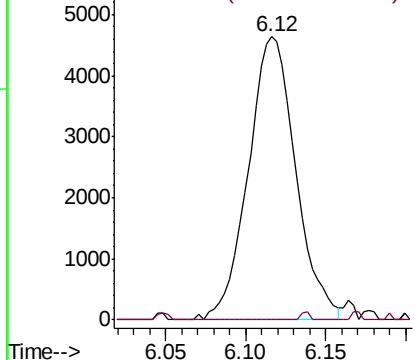


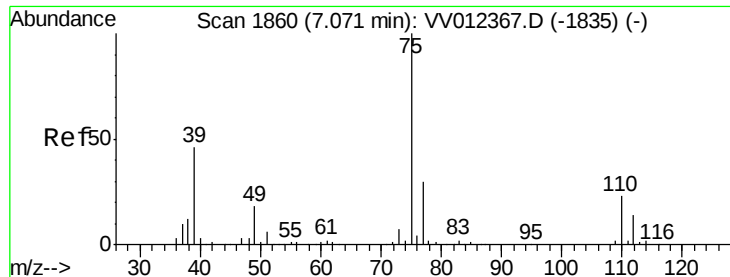
#37
1,2-Dichloropropane
Concen: 0.601 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012386.D
Acq: 24 Aug 2019 01:31

Tgt Ion: 63 Resp: 9490
Ion Ratio Lower Upper
63 100
112 0.5 4.2 6.2#



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



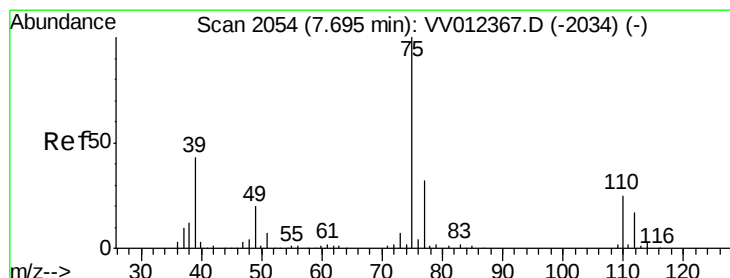
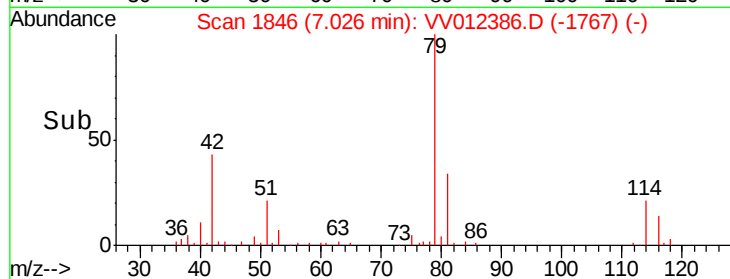
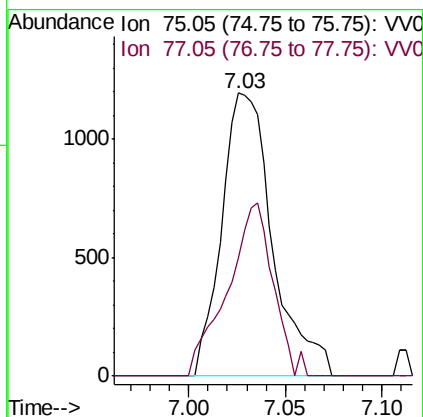
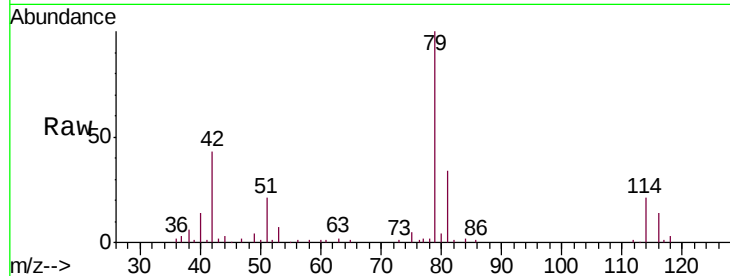


#39

cis-1,3-Dichloropropene
 Concen: 0.103 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.05 min
 Lab File: VV012386.D
 Acq: 24 Aug 2019 01:31

Instrument :
 MSVOA_V
 ClientSampled :
 GANK8

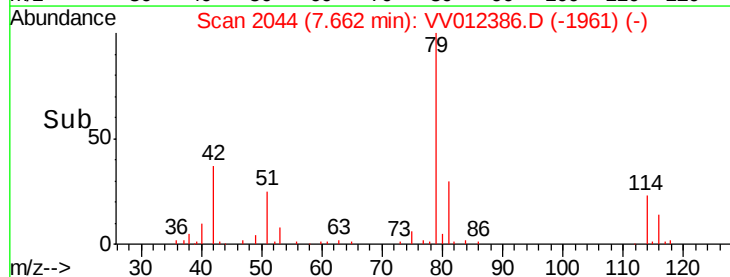
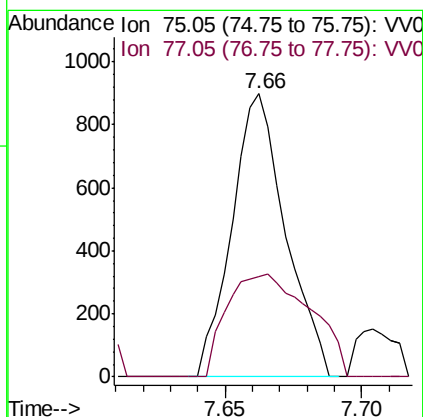
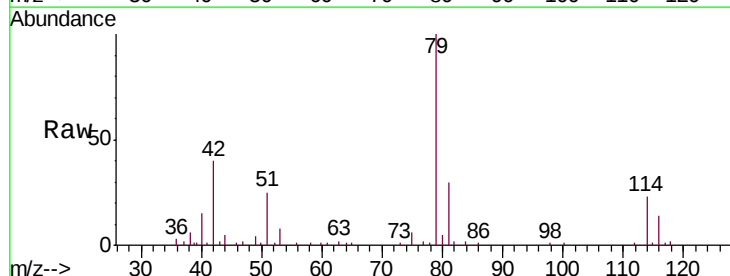
Tgt Ion: 75 Resp: 2190
 Ion Ratio Lower Upper
 75 100
 77 41.7 23.2 43.2

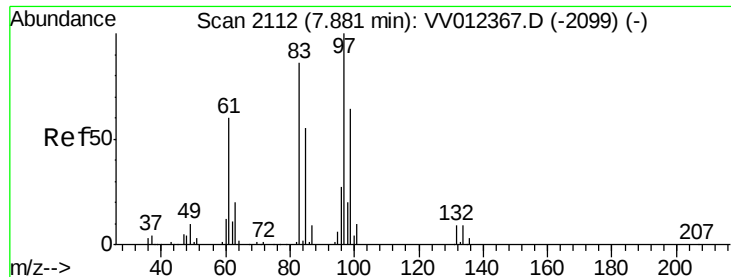


#44

trans-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV012386.D
 Acq: 24 Aug 2019 01:31

Tgt Ion: 75 Resp: 1228
 Ion Ratio Lower Upper
 75 100
 77 35.4 22.6 42.0





#45

1,1,2-Trichloroethane

Concen: 1.841 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.14 min

Lab File: VV012386.D

Acq: 24 Aug 2019 01:31

Instrument :

MSVOA_V

ClientSampleID :

GANK8

Tgt Ion: 97 Resp: 18843

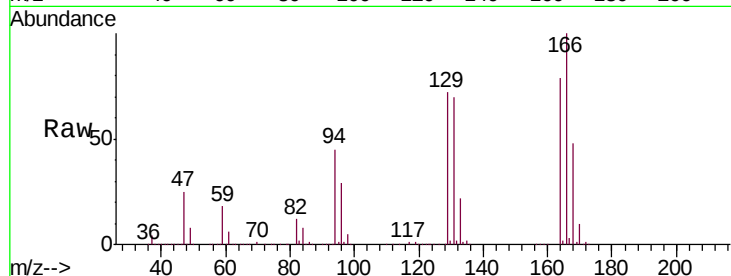
Ion Ratio Lower Upper

97 100

99 15.7 45.0 83.6#

83 277.9 59.3 110.1#

85 40.1 38.8 72.0

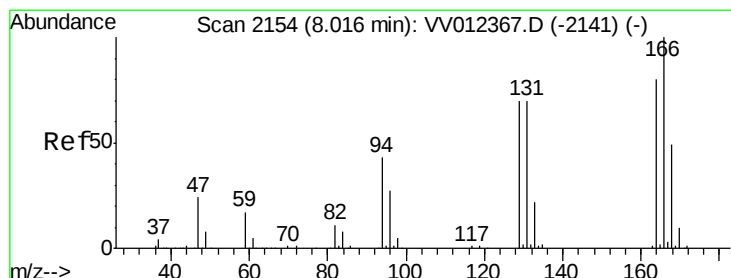
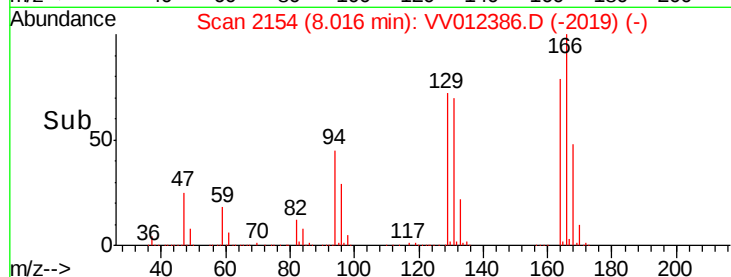
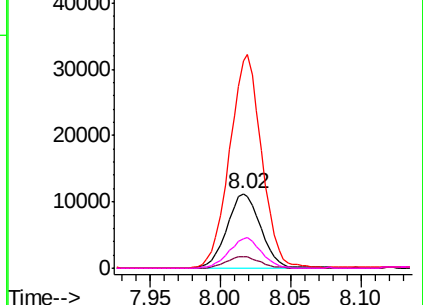


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 167.142 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV012386.D

Acq: 24 Aug 2019 01:31

Tgt Ion: 164 Resp: 2269726

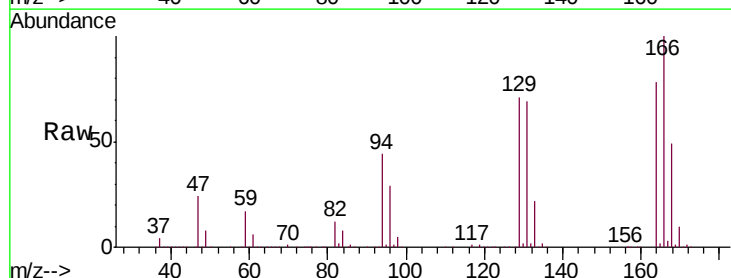
Ion Ratio Lower Upper

164 100

129 90.7 60.6 112.6

131 88.4 58.8 109.2

166 127.5 87.6 162.8

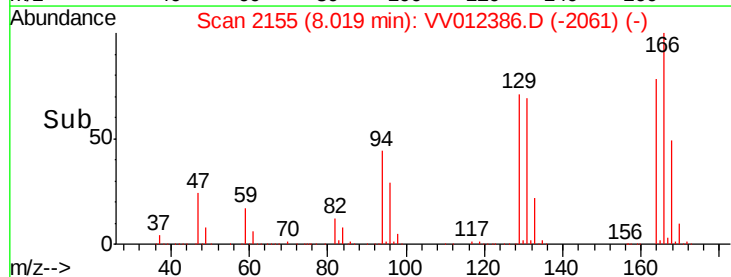
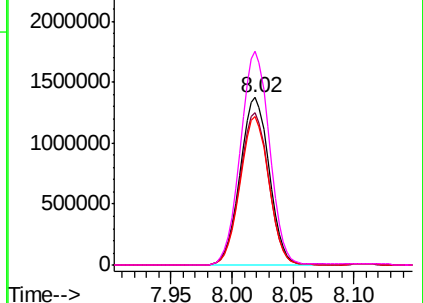


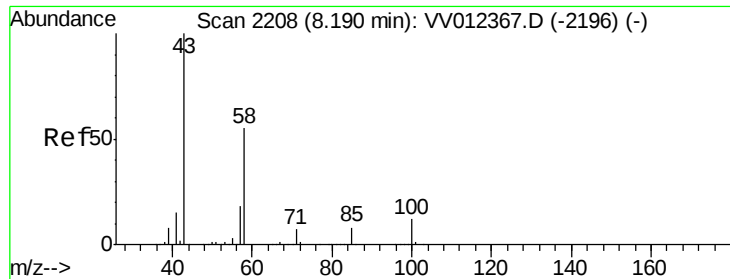
Abundance Ion 163.90 (163.60 to 164.60): V

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

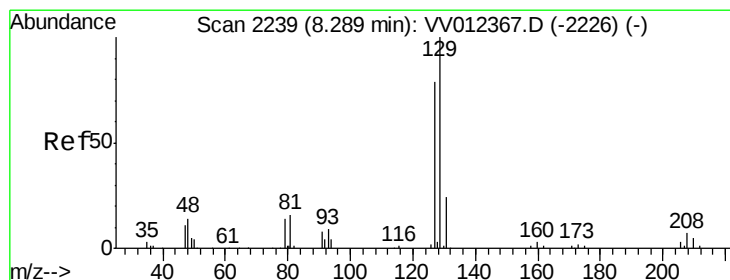
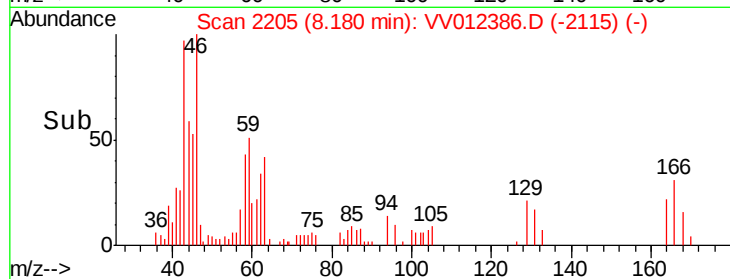
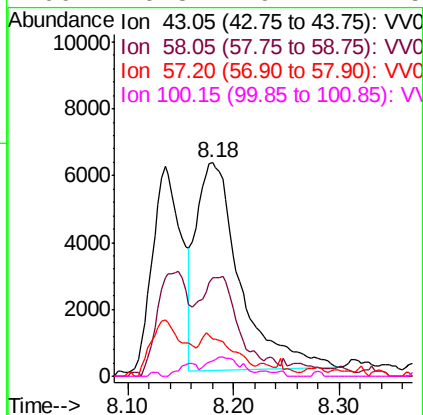
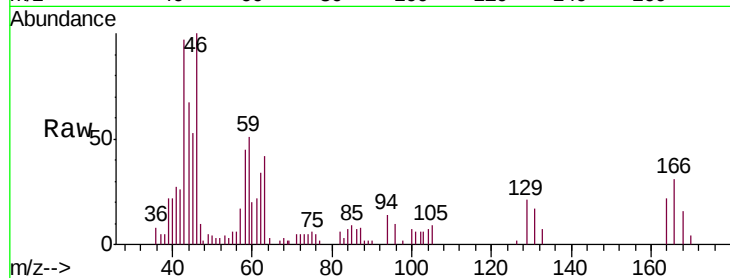




#48
2-Hexanone
Concen: 2.949 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012386.D
Acq: 24 Aug 2019 01:31

Instrument :
MSVOA_V
ClientSampleId :
GANK8

Tgt Ion: 43 Resp: 18009
Ion Ratio Lower Upper
43 100
58 39.8 46.3 69.5#
57 14.6 14.9 22.3#
100 6.8 9.7 14.5#



#49
Dibromochloromethane
Concen: 159.321 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.27 min
Lab File: VV012386.D
Acq: 24 Aug 2019 01:31

Tgt Ion: 129 Resp: 1954489
Ion Ratio Lower Upper
129 100
127 0.0 53.8 99.8#

