

Data File : VV012427.D
Acq On : 27 Aug 2019 15:00
Operator : SY/MD
Sample : K4500-20
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANL4

Quant Time: Aug 28 07:40:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 28 07:35:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	167875	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138699	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51887	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37592	4.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.60%
7) Chloroethane-d5	1.58	69	49229	7.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	159.00%#
11) 1,1-Dichloroethene-d2	2.13	63	87366	5.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	117.20%
20) 2-Butanone-d5	3.94	46	105373	46.60	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.20%
24) Chloroform-d	4.40	84	100906	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
26) 1,2-Dichloroethane-d4	5.08	65	55782	5.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	119.80%
32) Benzene-d6	5.10	84	201528	5.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	119.40%
36) 1,2-Dichloropropane-d6	6.12	67	46432	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.80%
41) Toluene-d8	7.36	98	114054	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	7.67	79	12982	3.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.00%
46) 2-Hexanone-d5	8.13	63	37711	31.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	62.68%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	23428	3.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	69.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	39902	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

						Qvalue
3) Chloromethane	1.26	50	1474	0.134	ug/L	93
6) Bromomethane	1.53	94	479	0.098	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	792	0.107	ug/L #	15
12) 1,1-Dichloroethene	2.13	96	1080	0.160	ug/L #	1
13) Acetone	2.19	43	14277	14.595	ug/L	96
15) Methyl Acetate	2.46	43	706	0.287	ug/L #	87
16) Methylene chloride	2.53	84	778	0.104	ug/L	95
21) 2-Butanone	4.13	43	105857	46.073	ug/L #	51
22) cis-1,2-Dichloroethene	3.97	96	6870	0.629	ug/L	100
25) Chloroform	4.42	83	12076	0.581	ug/L	99
34) Trichloroethene	5.96	95	13405	1.404	ug/L	93
45) 1,1,2-Trichloroethane	8.02	97	3904	0.672	ug/L #	1
47) Tetrachloroethene	8.02	164	446884	58.023	ug/L	97
48) 2-Hexanone	8.18	43	5188	1.498	ug/L #	78
49) Dibromochloromethane	8.02	129	374899	53.883	ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082719\
Quantitation Report (Not Reviewed)

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QLast Update : Wed Aug 28 07:35:31 2019
Response via : Initial Calibration

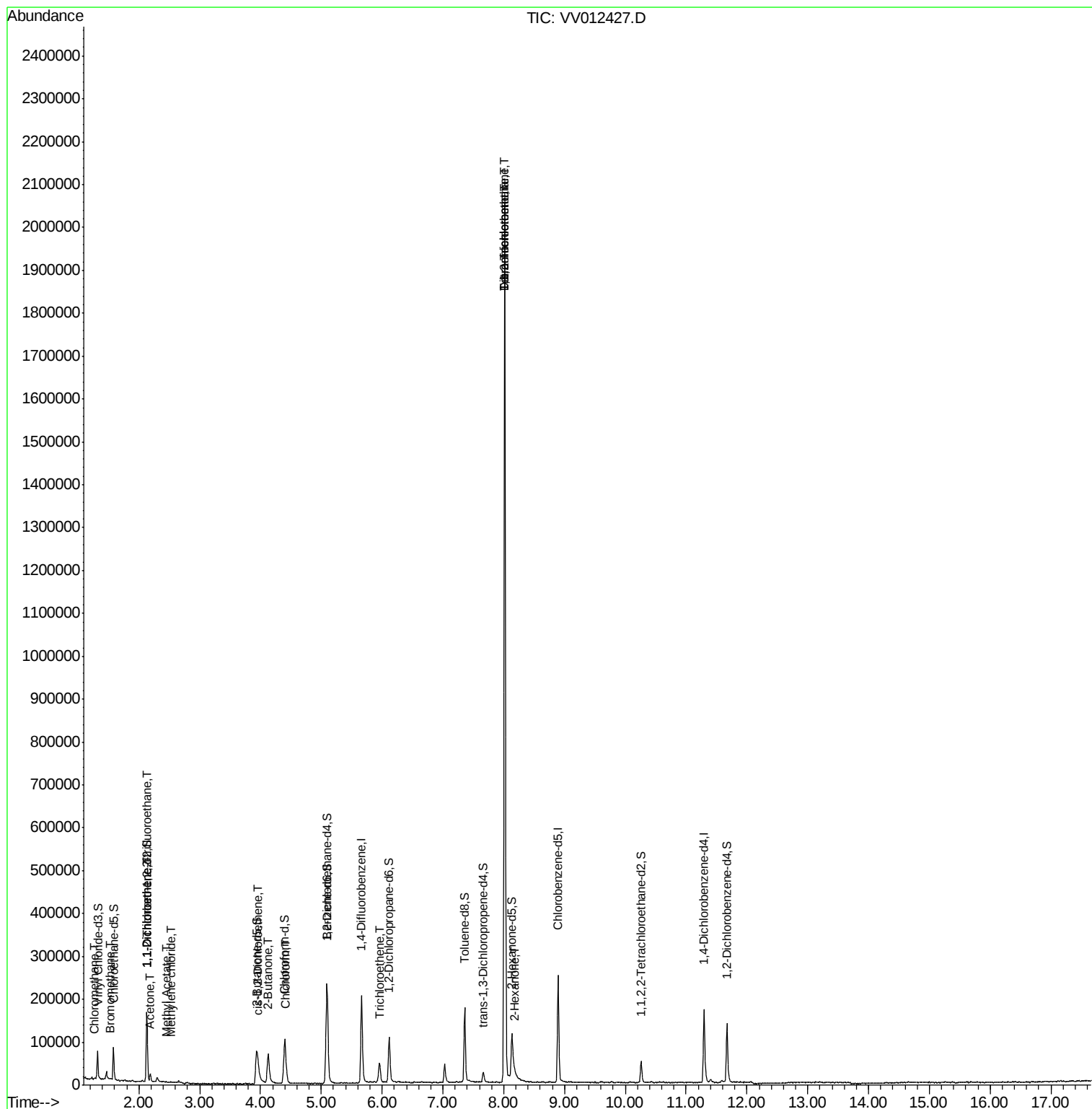
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

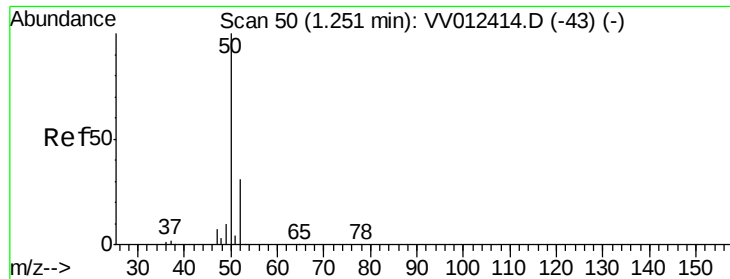
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.134 ug/L

RT: 1.26 min Scan# 53

Delta R.T. 0.01 min

Lab File: VV012427.D

Acq: 27 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

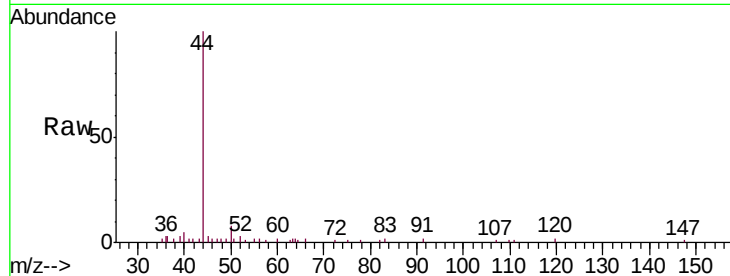
GANL4

Tgt Ion: 50 Resp: 1474

Ion Ratio Lower Upper

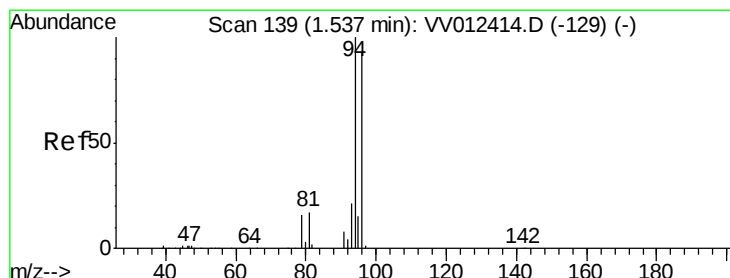
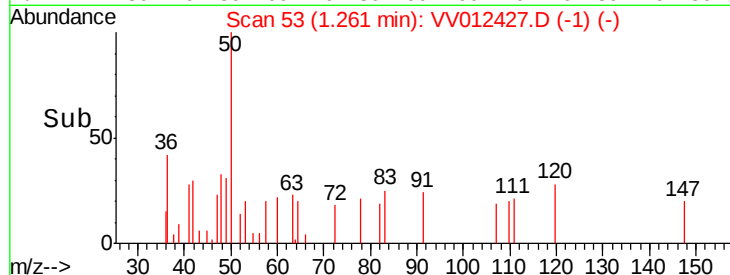
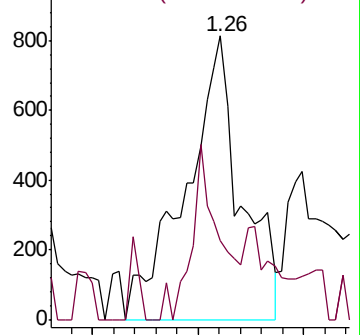
50 100

52 27.9 22.2 41.2



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#6

Bromomethane

Concen: 0.098 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012427.D

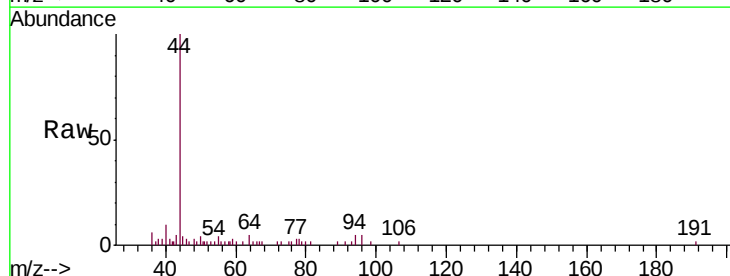
Acq: 27 Aug 2019 15:00

Tgt Ion: 94 Resp: 479

Ion Ratio Lower Upper

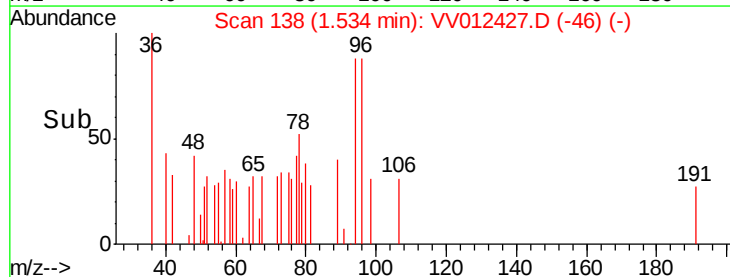
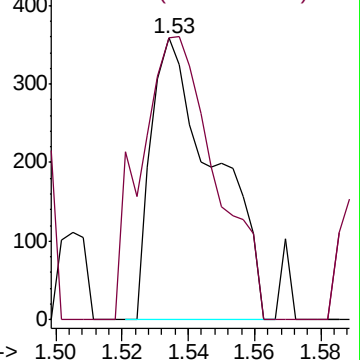
94 100

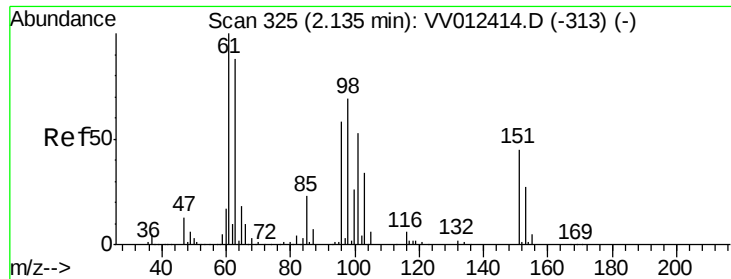
96 100.3 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#10

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

Concen: 0.107 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV012427.D

Acq: 27 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampled :

GANL4

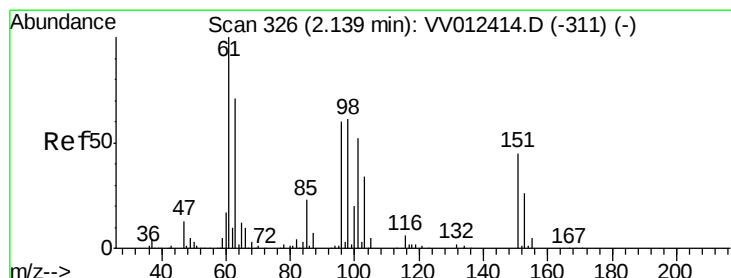
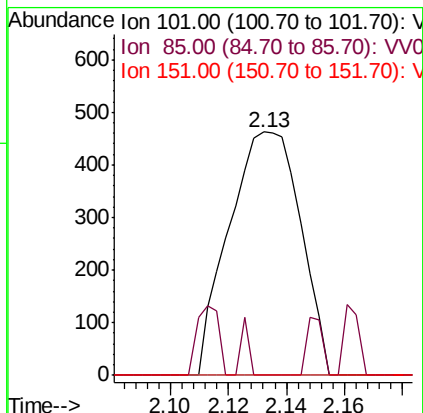
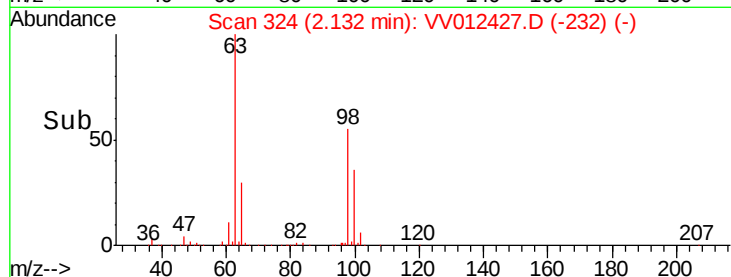
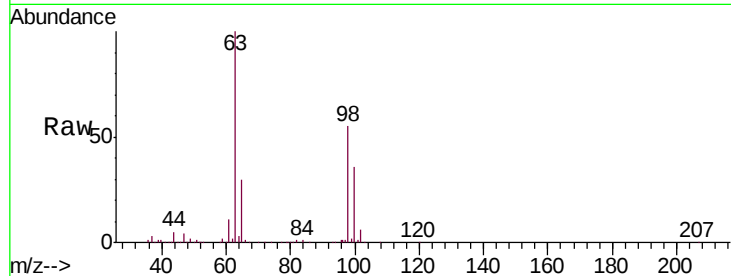
Tgt Ion: 101 Resp: 792

Ion Ratio Lower Upper

101 100

85 2.7 34.6 51.8#

151 0.0 71.2 106.8#



#12

1,1-Dichloroethene

Concen: 0.160 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012427.D

Acq: 27 Aug 2019 15:00

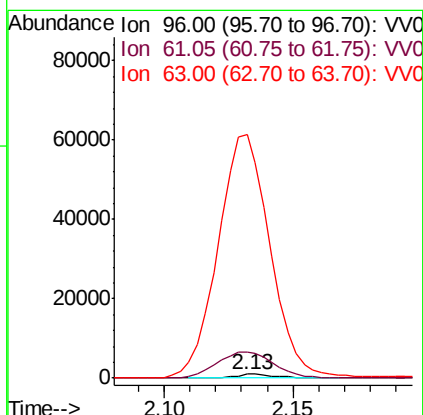
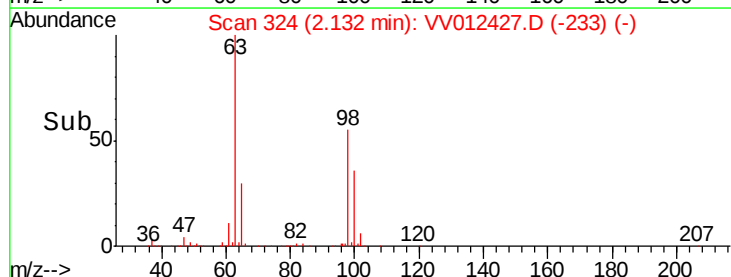
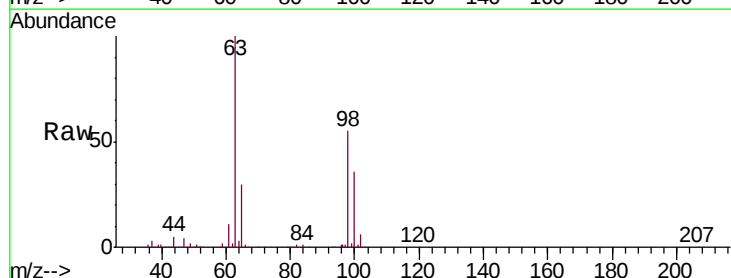
Tgt Ion: 96 Resp: 1080

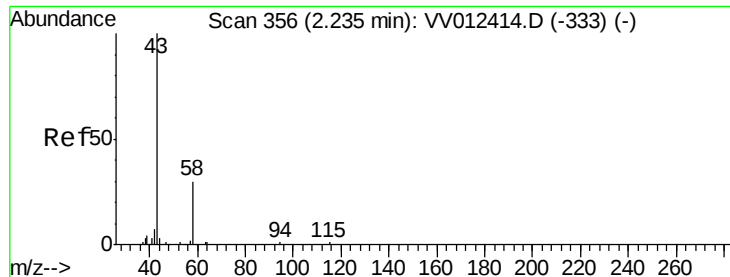
Ion Ratio Lower Upper

96 100

61 639.6 122.3 227.1#

63 5880.5 90.6 168.2#





#13

Acetone

Concen: 14.595 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.05 min

Lab File: VV012427.D

Acq: 27 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampled :

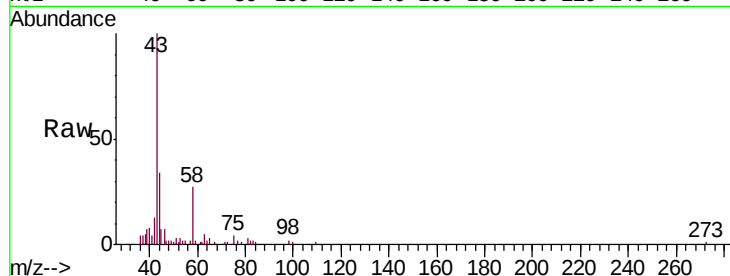
GANL4

Tgt Ion: 43 Resp: 14277

Ion Ratio Lower Upper

43 100

58 29.4 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

10000

8000

6000

4000

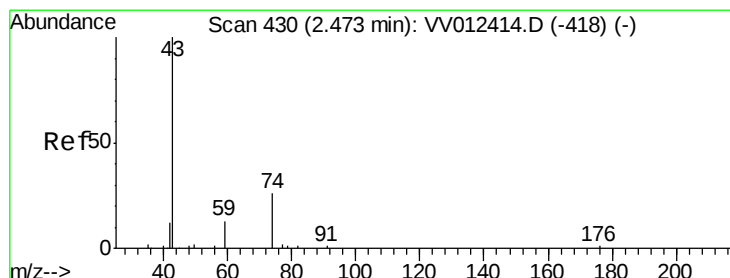
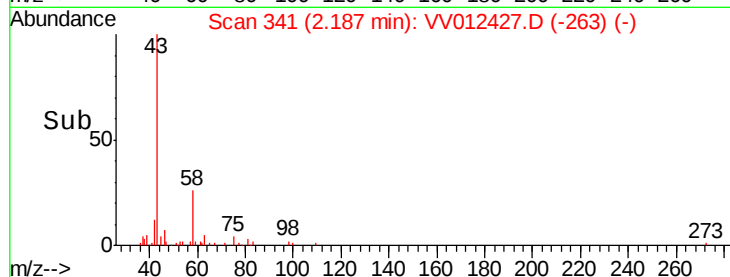
2000

0

Time-->

2.15 2.20 2.25

2.19



#15

Methyl Acetate

Concen: 0.287 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.02 min

Lab File: VV012427.D

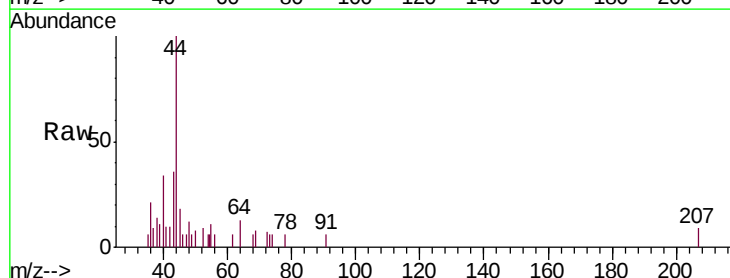
Acq: 27 Aug 2019 15:00

Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

43 100

74 20.3 21.8 32.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

600

400

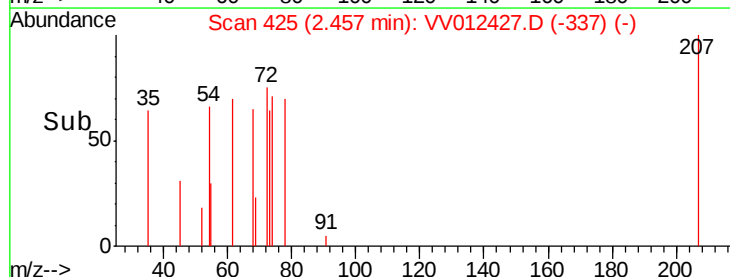
200

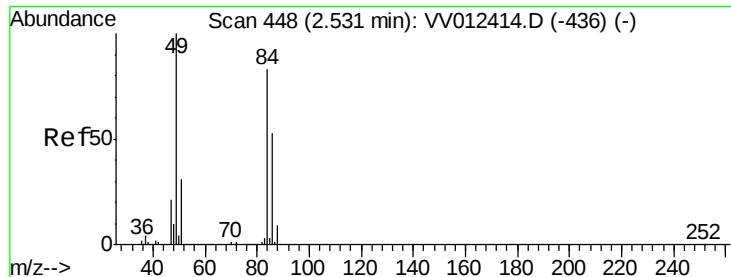
0

Time-->

2.40 2.45 2.50

2.46

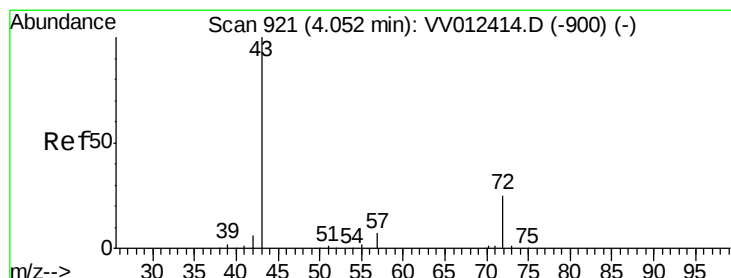
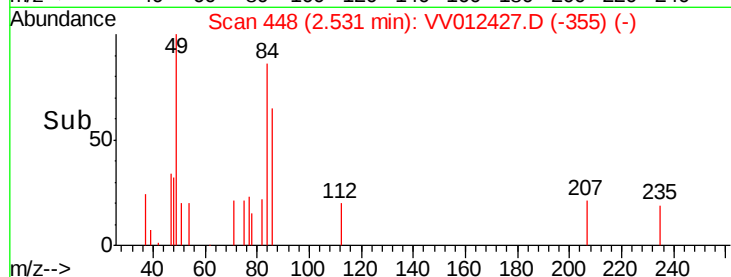
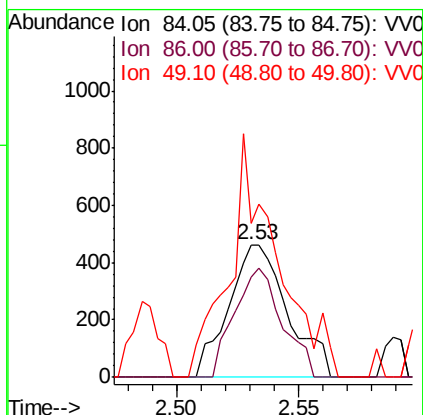
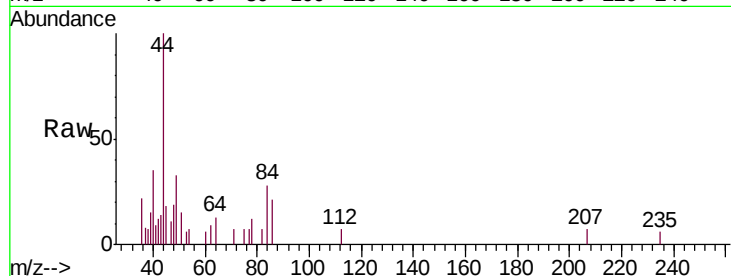




#16
Methylene chloride
Concen: 0.104 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012427.D
Acq: 27 Aug 2019 15:00

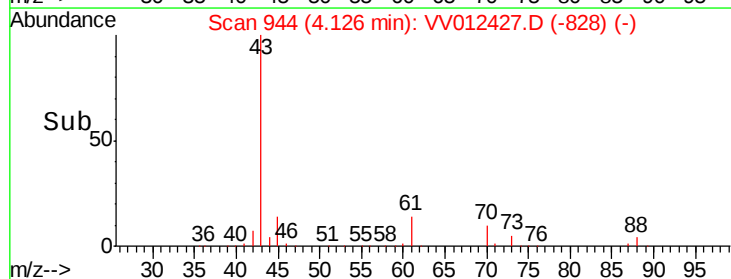
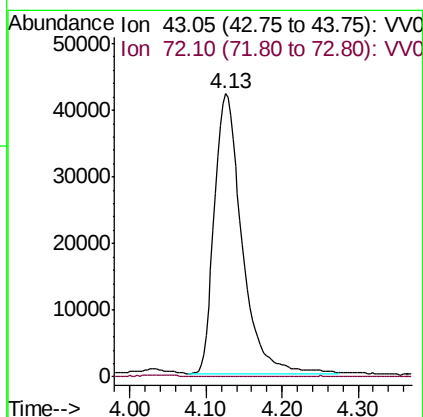
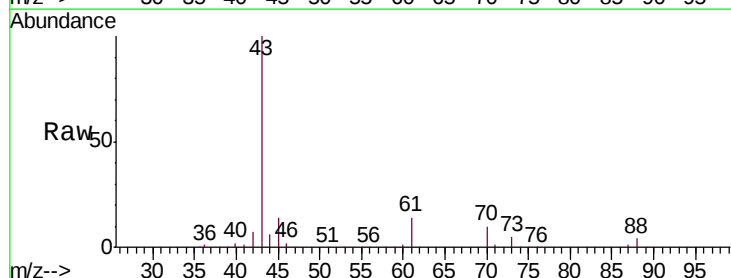
Instrument :
MSVOA_V
ClientSampled :
GANL4

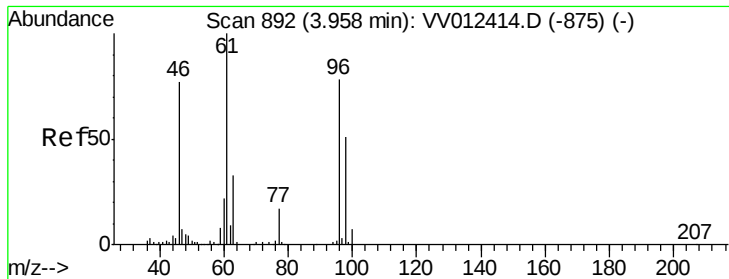
Tgt Ion: 84 Resp: 778
Ion Ratio Lower Upper
84 100
86 75.4 44.9 83.5
49 116.0 81.1 150.7



#21
2-Butanone
Concen: 46.073 ug/L
RT: 4.13 min Scan# 944
Delta R.T. 0.07 min
Lab File: VV012427.D
Acq: 27 Aug 2019 15:00

Tgt Ion: 43 Resp: 105857
Ion Ratio Lower Upper
43 100
72 0.1 12.2 36.6#



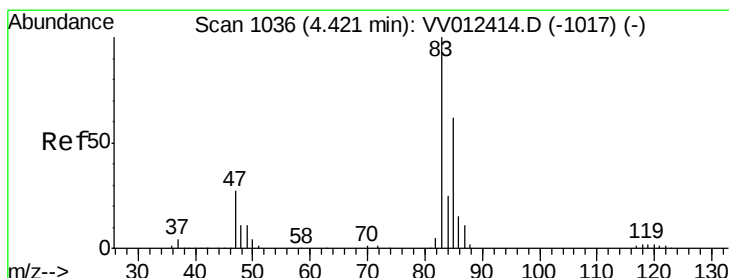
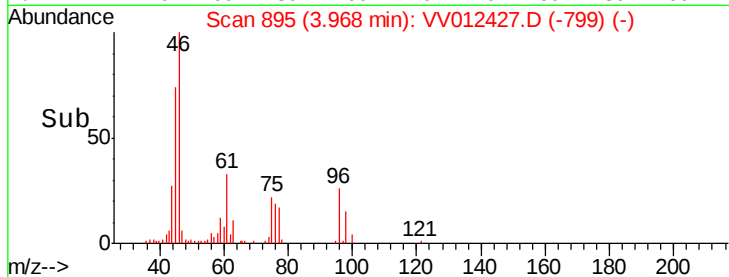
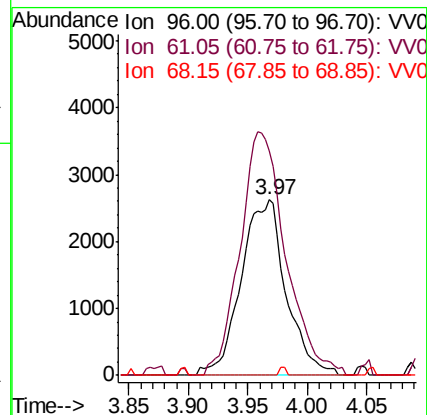
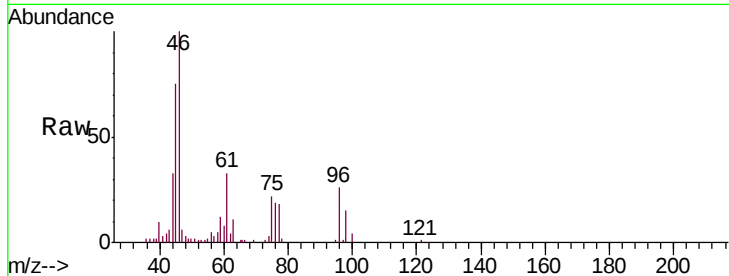


#22

cis-1,2-Dichloroethene
 Concen: 0.629 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV012427.D
 Acq: 27 Aug 2019 15:00

Instrument :
 MSVOA_V
 ClientSampleID :
 GANL4

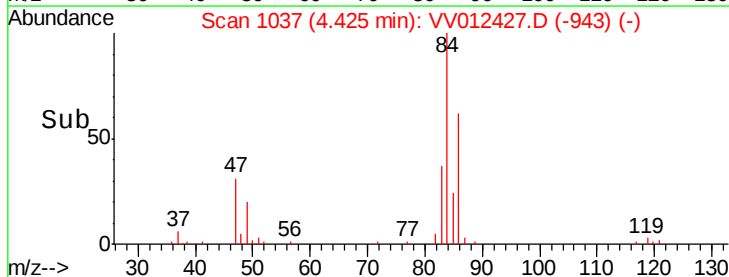
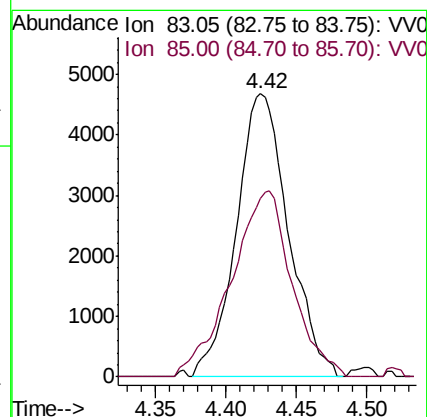
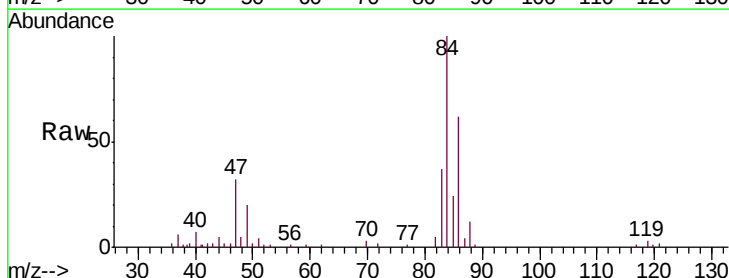
Tgt Ion: 96 Resp: 6870
 Ion Ratio Lower Upper
 96 100
 61 127.8 89.4 166.0
 68 0.0 0.0 0.0

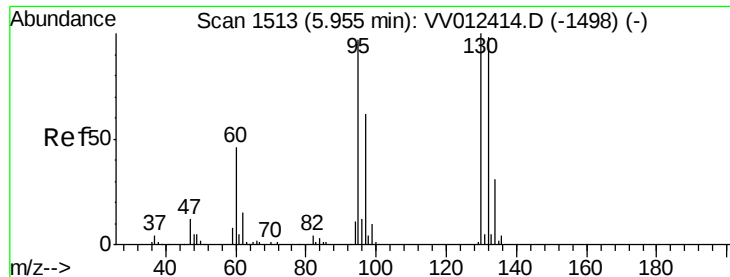


#25

Chloroform
 Concen: 0.581 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV012427.D
 Acq: 27 Aug 2019 15:00

Tgt Ion: 83 Resp: 12076
 Ion Ratio Lower Upper
 83 100
 85 63.1 44.6 82.8





#34

Trichloroethene

Concen: 1.404 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV012427.D

Acq: 27 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

GANL4

Tgt Ion: 95 Resp: 13405

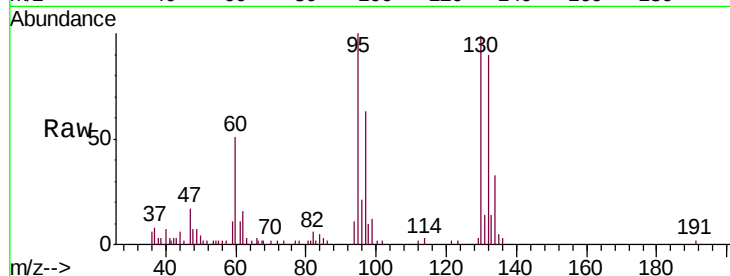
Ion Ratio Lower Upper

95 100

97 63.4 46.3 86.1

132 89.5 70.3 130.7

130 99.2 72.4 134.5



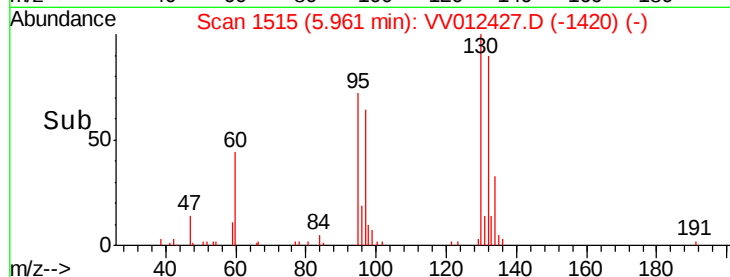
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

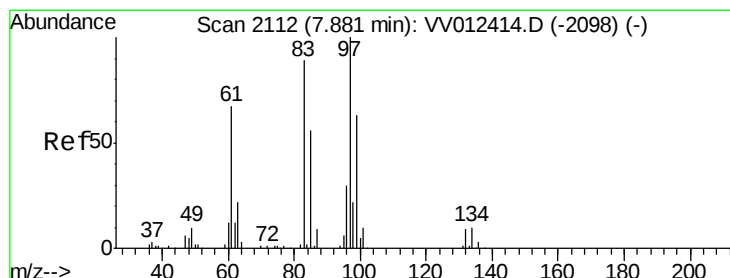
Ion 129.95 (129.65 to 130.65): VV0

Time-->



Abundance

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.672 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.13 min

Lab File: VV012427.D

Acq: 27 Aug 2019 15:00

Tgt Ion: 97 Resp: 3904

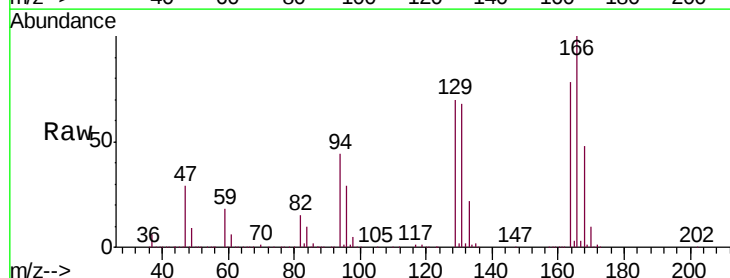
Ion Ratio Lower Upper

97 100

99 20.7 45.0 83.6#

83 260.5 59.3 110.1#

85 43.1 38.8 72.0



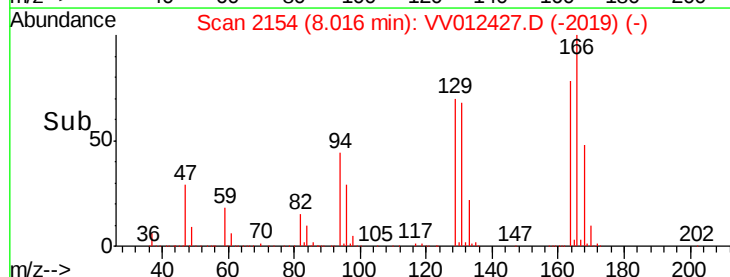
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

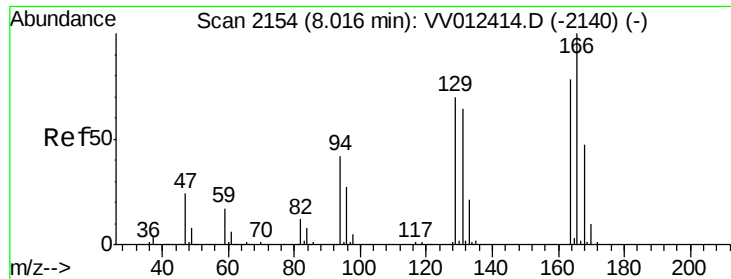
Ion 85.00 (84.70 to 85.70): VV0

Time-->



Abundance

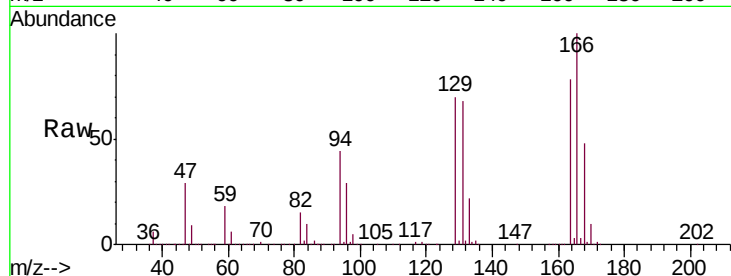
Time-->



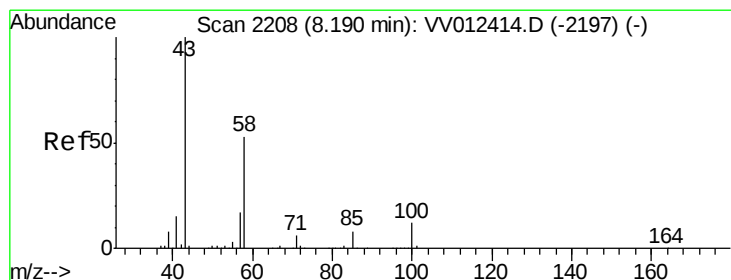
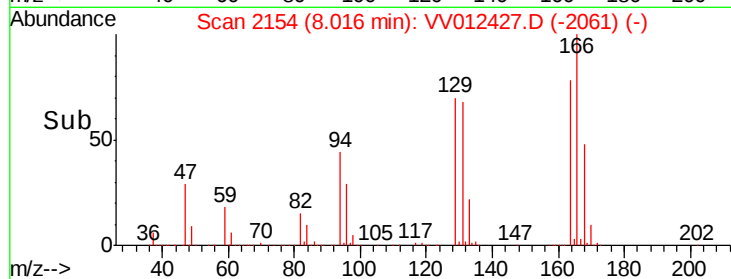
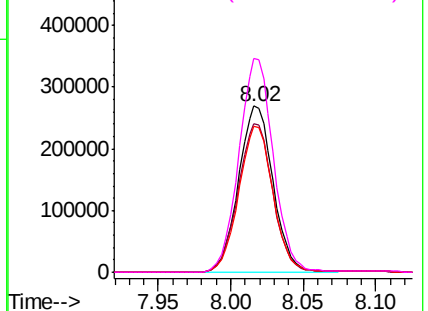
#47
Tetrachloroethene
Concen: 58.023 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012427.D
Acq: 27 Aug 2019 15:00

Instrument :
MSVOA_V
ClientSampled :
GANL4

Tgt Ion:164 Resp: 446884
Ion Ratio Lower Upper
164 100
129 89.7 60.6 112.6
131 87.8 58.8 109.2
166 128.6 87.6 162.8

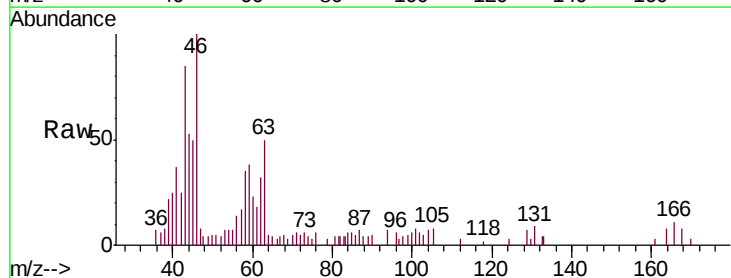


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

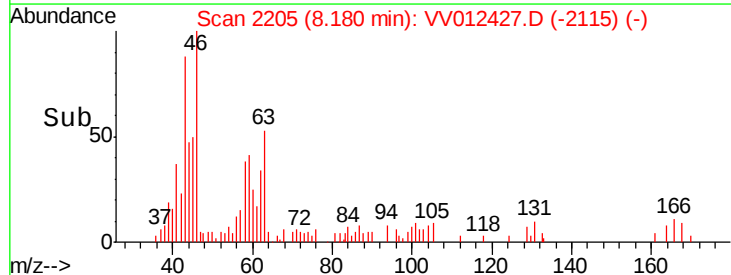
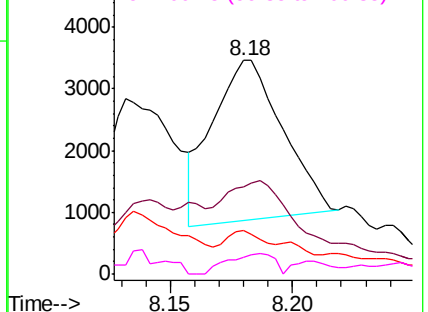


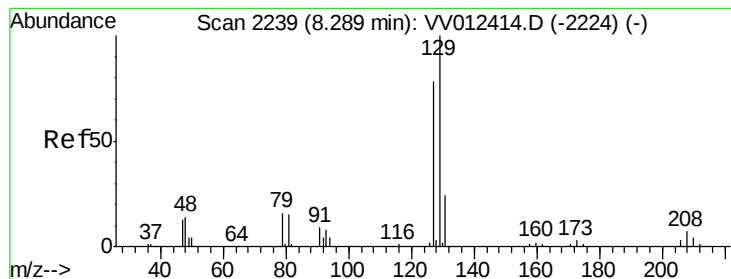
#48
2-Hexanone
Concen: 1.498 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012427.D
Acq: 27 Aug 2019 15:00

Tgt Ion: 43 Resp: 5188
Ion Ratio Lower Upper
43 100
58 74.6 46.3 69.5#
57 5.3 14.9 22.3#
100 8.2 9.7 14.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 53.883 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV012427.D

Acq: 27 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

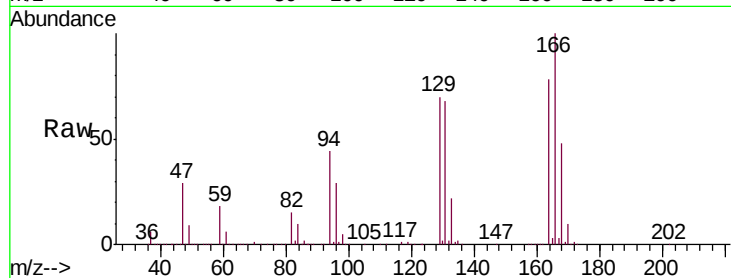
GANL4

Tgt Ion:129 Resp: 374899

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

