

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
 Data File : VV013284.D
 Acq On : 22 Oct 2019 17:56
 Operator : SY/MD
 Sample : K5457-06
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 23 01:27:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 23 01:23:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	410419	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	460720	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	234352	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	216805	7.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	143.40%#
7) Chloroethane-d5	1.58	69	181427	7.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	145.20%#
11) 1,1-Dichloroethene-d2	2.13	63	280207	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	3.93	46	476311	81.97	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	163.94%#
24) Chloroform-d	4.40	84	451961	6.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.00%#
26) 1,2-Dichloroethane-d4	5.08	65	218201	6.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	132.40%#
32) Benzene-d6	5.10	84	918859	6.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	123.20%
36) 1,2-Dichloropropane-d6	6.12	67	279692	6.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	124.80%
41) Toluene-d8	7.36	98	766488	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
43) trans-1,3-Dichloropropene-	7.66	79	86609	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.13	63	288926	47.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	193543	5.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	303658	6.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	133.20%#

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	3830	0.097 ug/L	83
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3169	0.094 ug/L #	14
12) 1,1-Dichloroethene	2.14	96	7877	0.244 ug/L #	1
13) Acetone	2.33	43	15125	5.034 ug/L	70
14) Carbon disulfide	2.32	76	5419	0.058 ug/L #	79
15) Methyl Acetate	2.33	43	15125	1.489 ug/L #	51
22) cis-1,2-Dichloroethene	3.96	96	12220	0.300 ug/L #	83
25) Chloroform	4.42	83	17806	0.221 ug/L	100
31) Carbon tetrachloride	4.87	117	18063	0.296 ug/L	100
34) Trichloroethene	5.96	95	65024	1.377 ug/L	98
35) Methylcyclohexane	6.11	83	67855	0.934 ug/L #	19
37) 1,2-Dichloropropane	6.11	63	29789	0.697 ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	3806	0.083 ug/L	93
47) Tetrachloroethene	8.02	164	40590	0.947 ug/L	96
48) 2-Hexanone	8.13	43	60409	3.874 ug/L #	92
49) Dibromochloromethane	8.02	129	34373	0.915 ug/L #	11

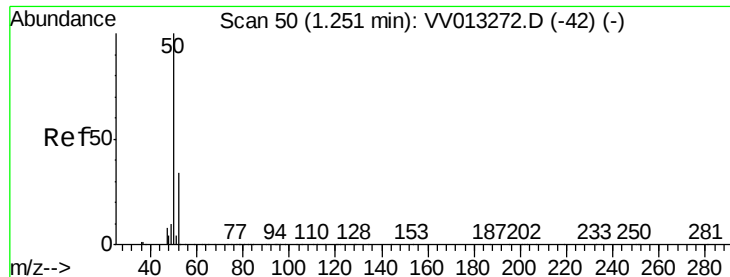
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102219\
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 23 01:23:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3

Chloromethane

Concen: 0.097 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013284.D

Acq: 22 Oct 2019 17:56

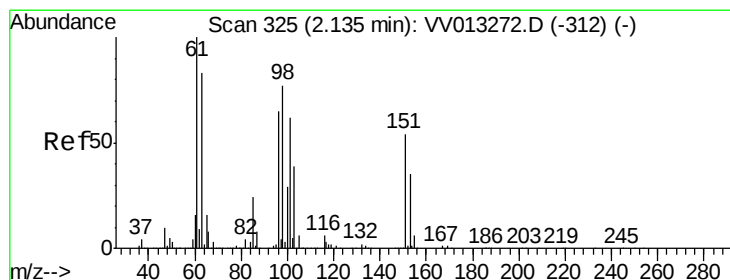
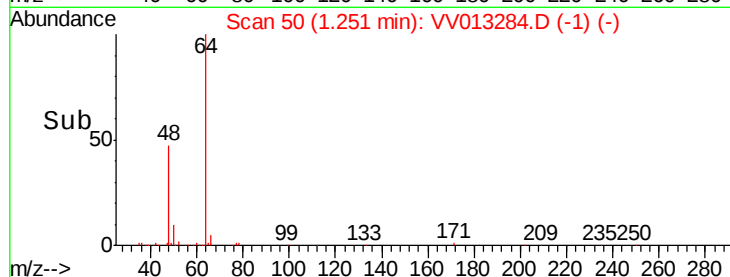
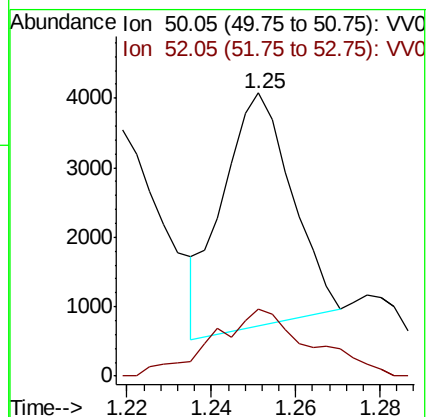
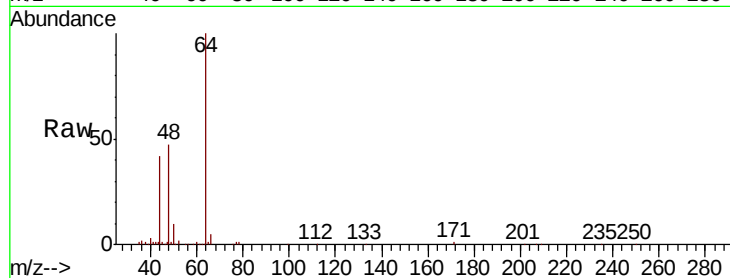
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 3830

Ion Ratio Lower Upper

50 100

52 23.5 23.3 43.3



#10

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

Concen: 0.094 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013284.D

Acq: 22 Oct 2019 17:56

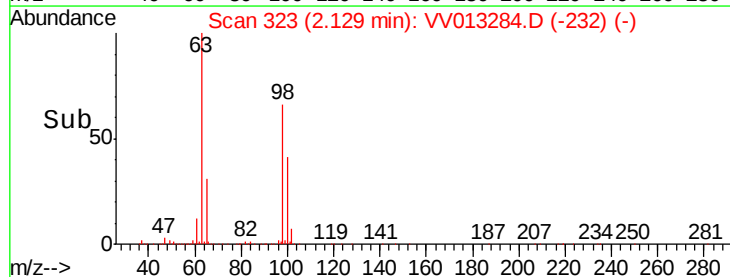
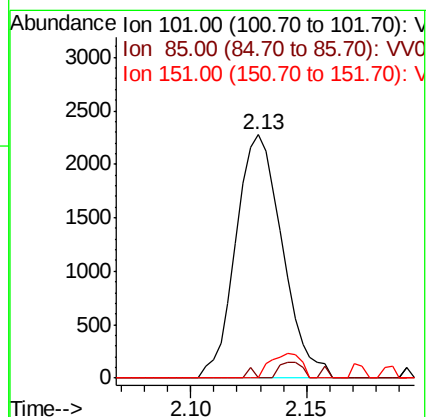
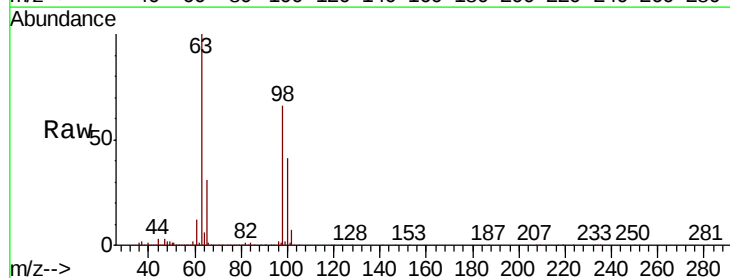
Tgt Ion: 101 Resp: 3169

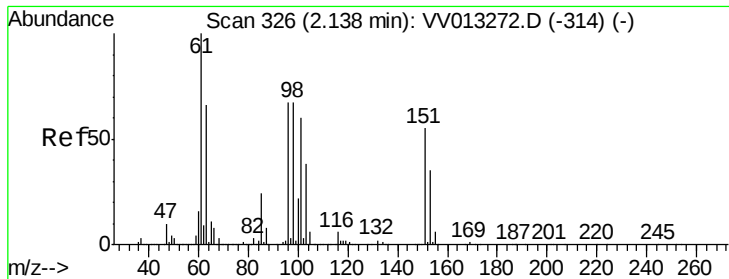
Ion Ratio Lower Upper

101 100

85 0.6 31.8 47.8#

151 0.0 72.9 109.3#





#12

1,1-Dichloroethene

Concen: 0.244 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013284.D

Acq: 22 Oct 2019 17:56

Instrument :
MSVOA_V
ClientSampleId :

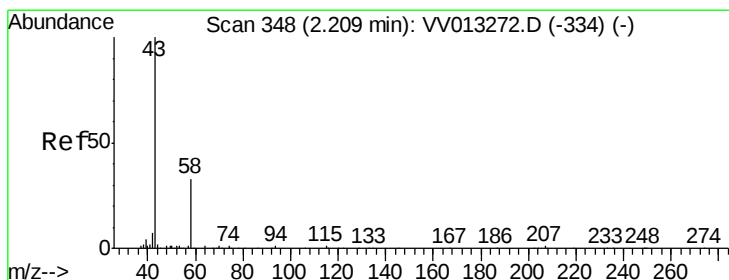
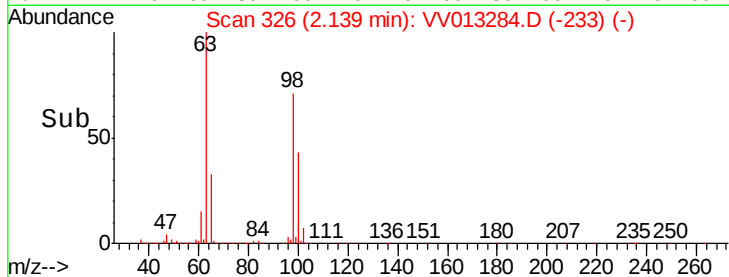
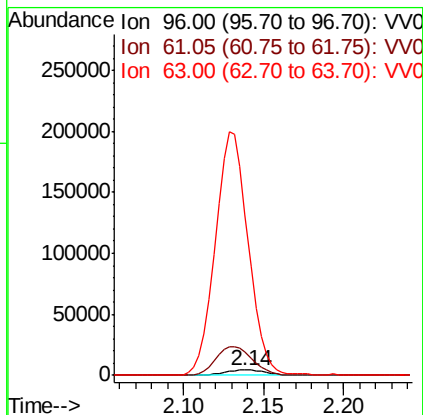
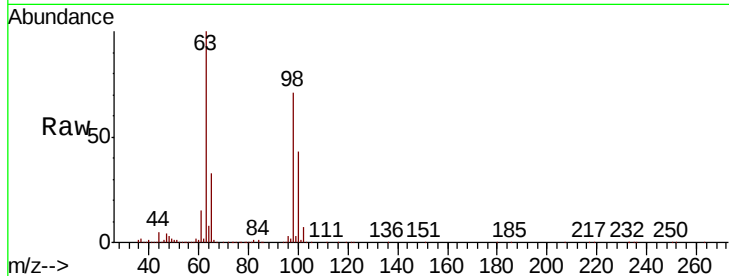
Tot Ion: 96 Resp: 7877

Ion Ratio Lower Upper

96 100

61 423.1 104.0 193.1#

63 2917.0 67.1 124.5#



#13

Acetone

Concen: 5.034 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.12 min

Lab File: VV013284.D

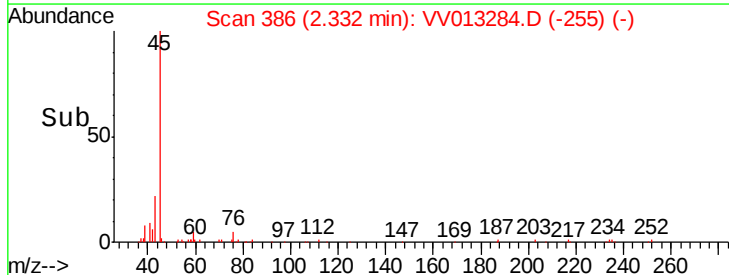
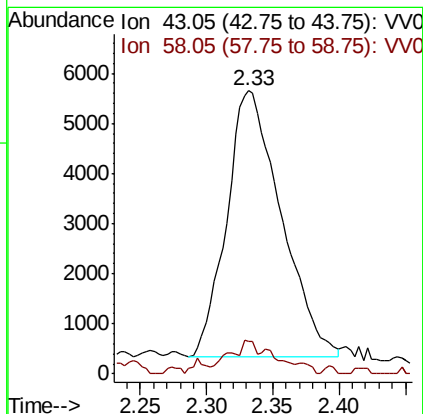
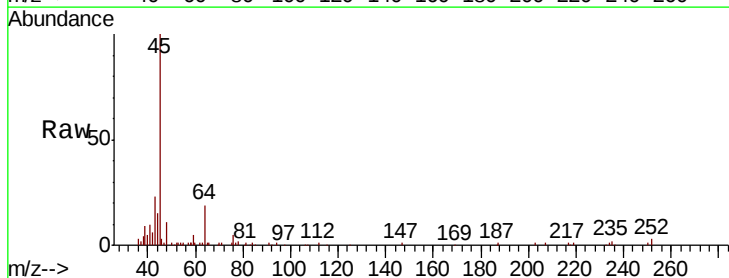
Acq: 22 Oct 2019 17:56

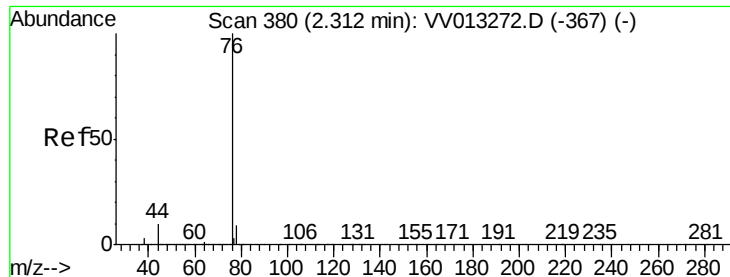
Tgt Ion: 43 Resp: 15125

Ion Ratio Lower Upper

43 100

58 1.2 0.0 26.2





#14

Carbon disulfide

Concen: 0.058 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV013284.D

Acq: 22 Oct 2019 17:56

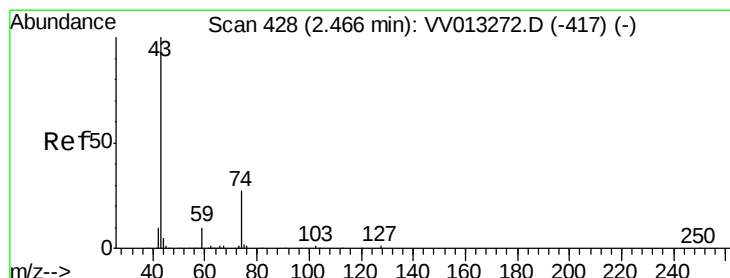
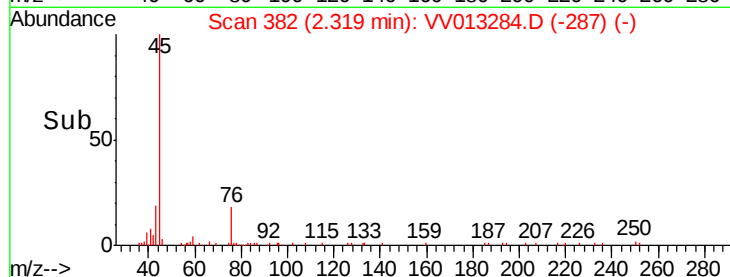
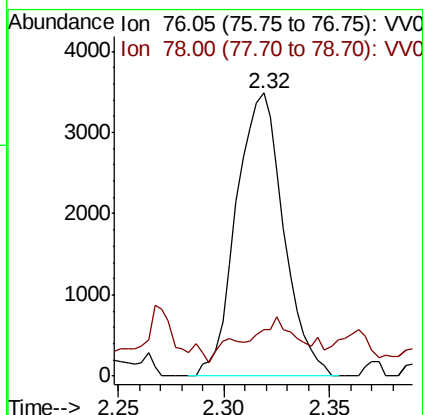
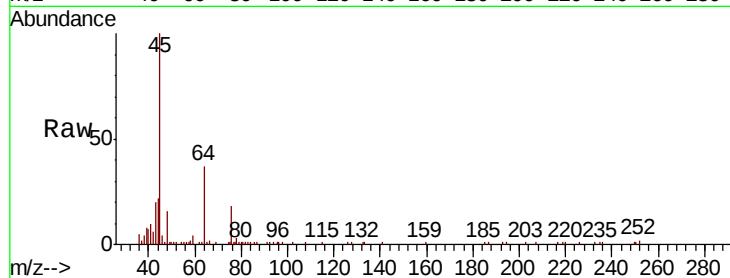
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 76 Resp: 5419

Ion Ratio Lower Upper

76 100

78 16.6 7.3 10.9#



#15

Methyl Acetate

Concen: 1.489 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.13 min

Lab File: VV013284.D

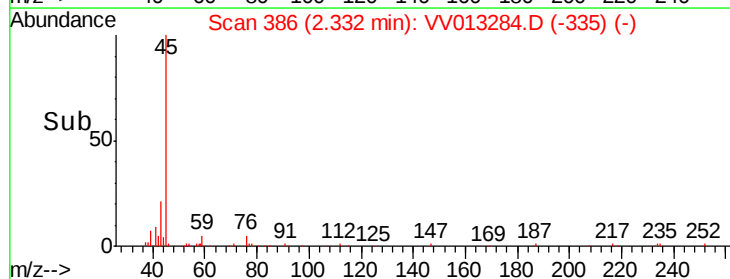
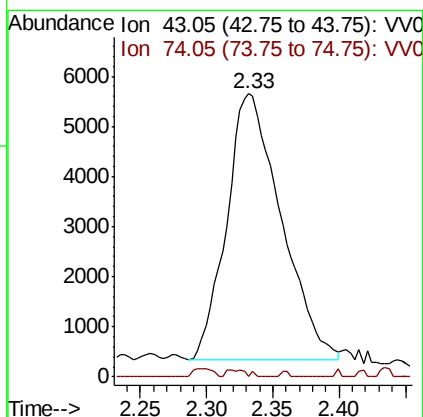
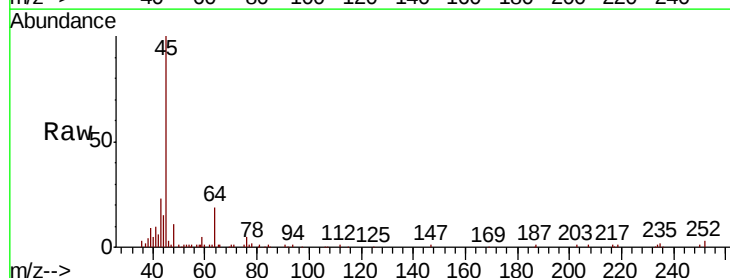
Acq: 22 Oct 2019 17:56

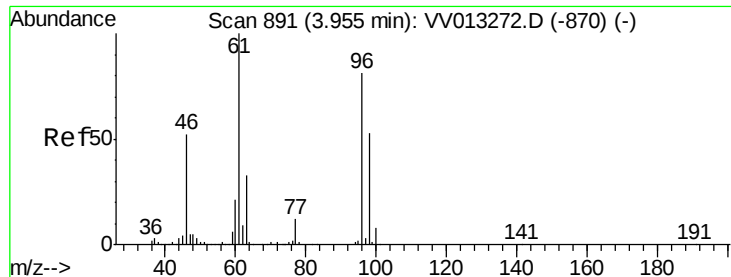
Tgt Ion: 43 Resp: 15125

Ion Ratio Lower Upper

43 100

74 1.0 20.4 30.6#



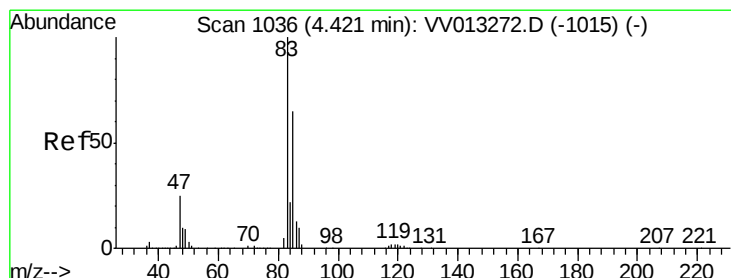
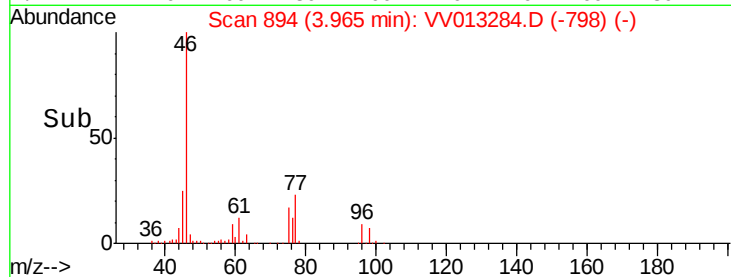
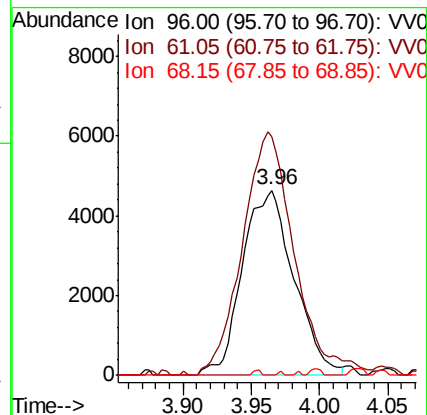
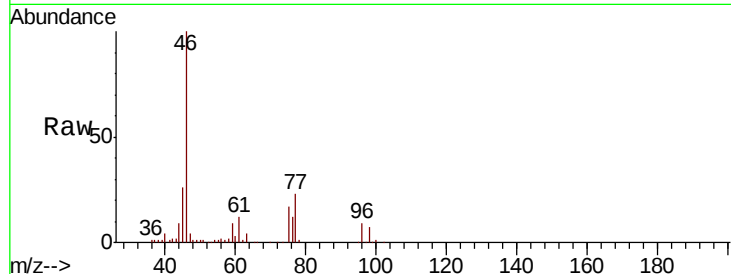


#22

cis-1,2-Dichloroethene
 Concen: 0.300 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV013284.D
 Acq: 22 Oct 2019 17:56

Instrument :
 MSVOA_V
 ClientSampled :

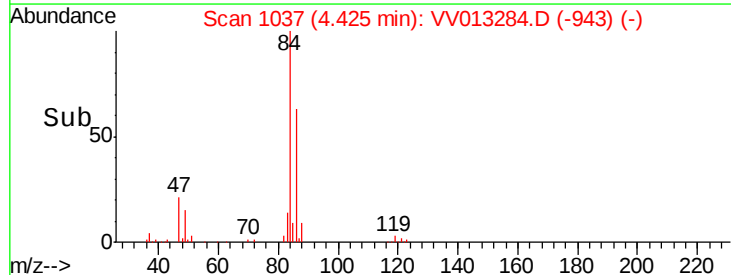
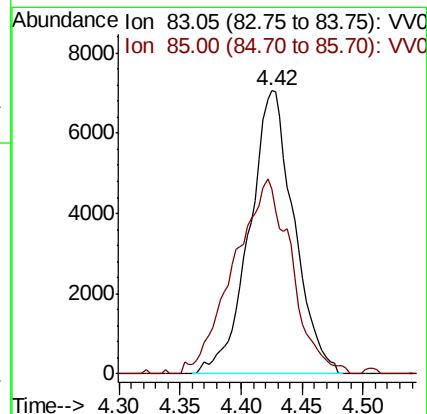
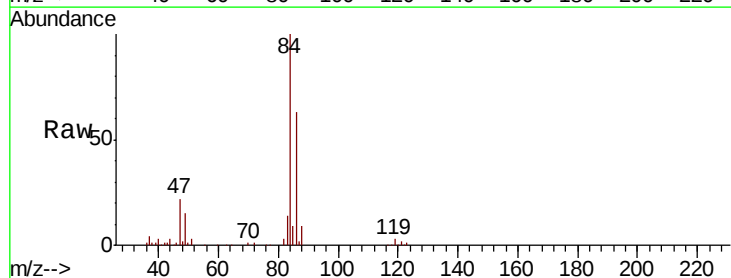
Tot Ion: 96 Resp: 12220
 Ion Ratio Lower Upper
 96 100
 61 128.9 77.3 143.7
 68 0.0 0.1 0.1#

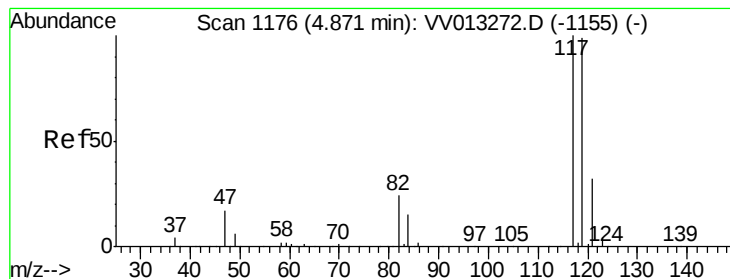


#25

Chloroform
 Concen: 0.221 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV013284.D
 Acq: 22 Oct 2019 17:56

Tgt Ion: 83 Resp: 17806
 Ion Ratio Lower Upper
 83 100
 85 65.5 45.7 84.9





#31

Carbon tetrachloride

Concen: 0.296 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013284.D

Acq: 22 Oct 2019 17:56

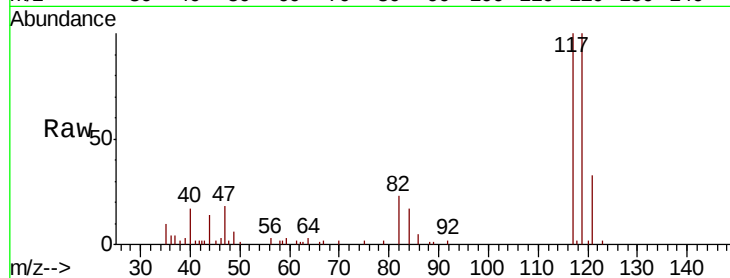
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 18063

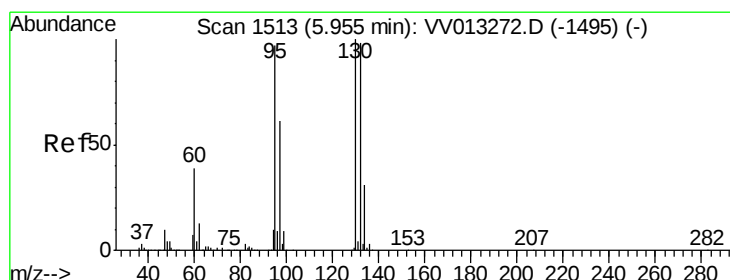
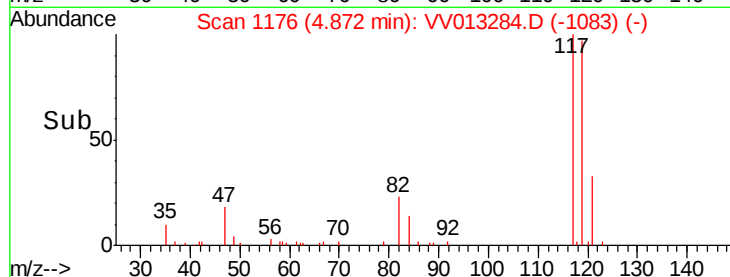
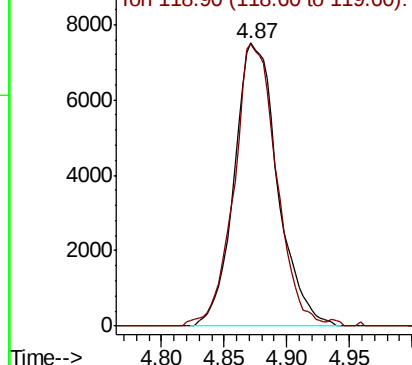
Ion Ratio Lower Upper

117 100

119 97.1 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 1.377 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013284.D

Acq: 22 Oct 2019 17:56

Tgt Ion: 95 Resp: 65024

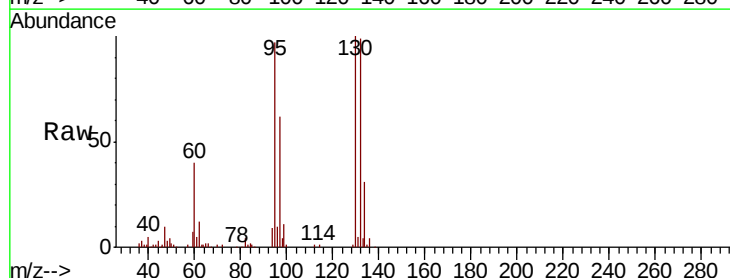
Ion Ratio Lower Upper

95 100

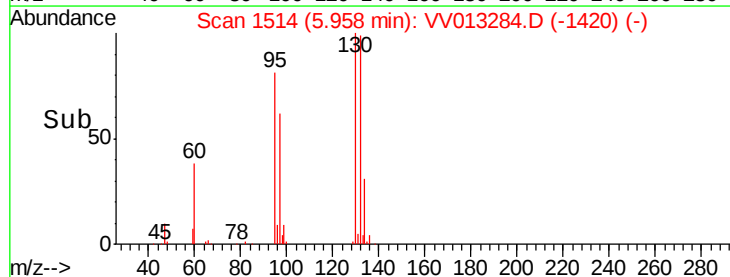
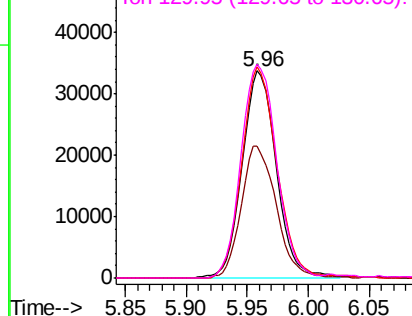
97 63.9 45.2 84.0

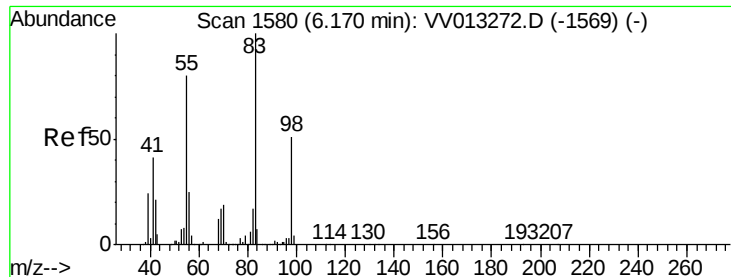
132 101.9 70.6 131.2

130 103.1 75.5 140.3



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

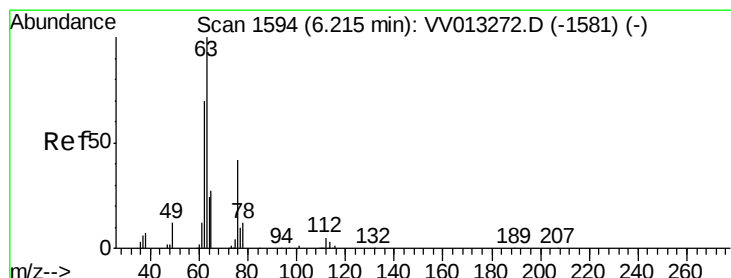
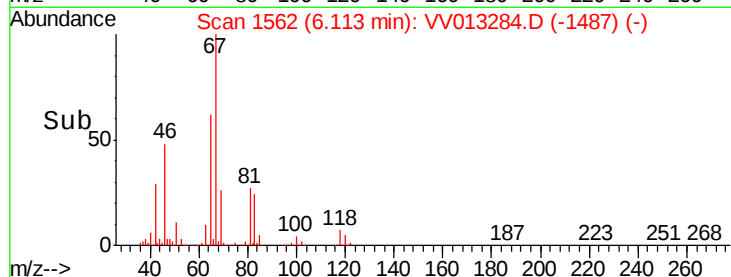
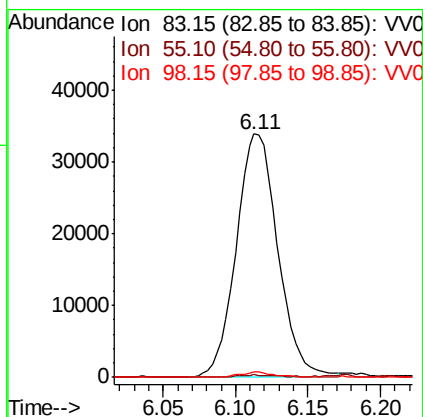
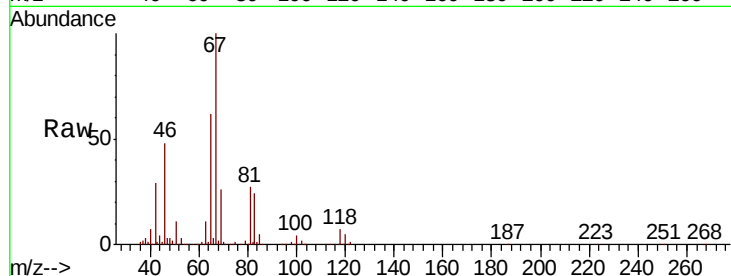




#35
Methvlcvclohexane
Concen: 0.934 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013284.D
Acq: 22 Oct 2019 17:56

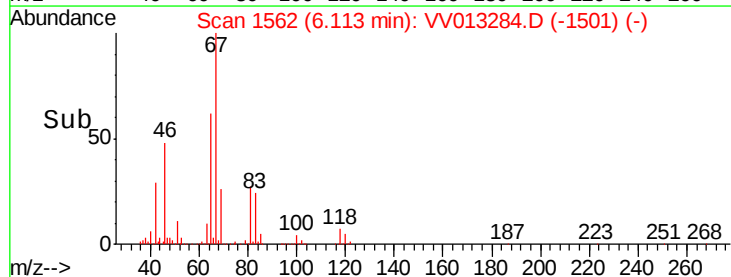
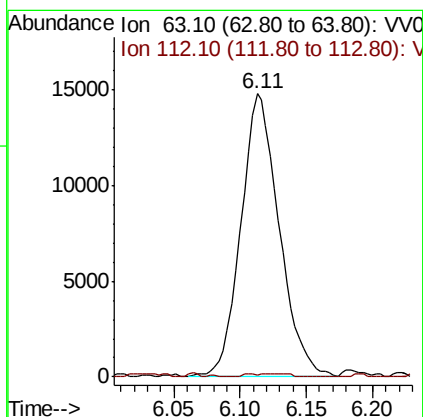
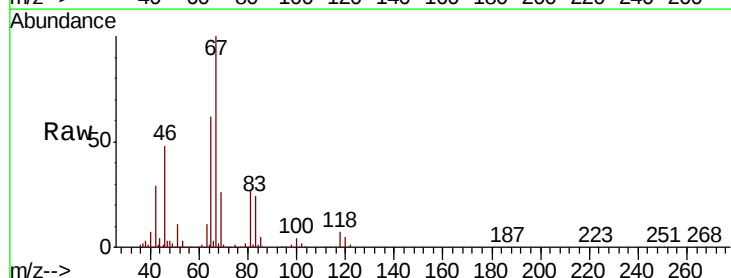
Instrument :
MSVOA_V
ClientSampleId :

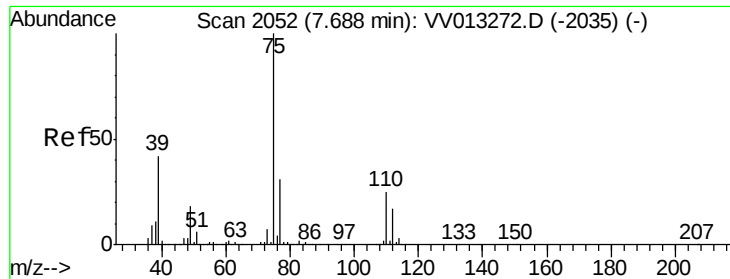
Tot Ion	Ratio	Lower	Upper
83	100		
55	0.9	62.4	93.6#
98	1.7	39.2	58.8#



#37
1,2-Dichloropropane
Concen: 0.697 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013284.D
Acq: 22 Oct 2019 17:56

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.7	4.1	6.1#





#44

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013284.D

Acq: 22 Oct 2019 17:56

Instrument :

MSVOA_V

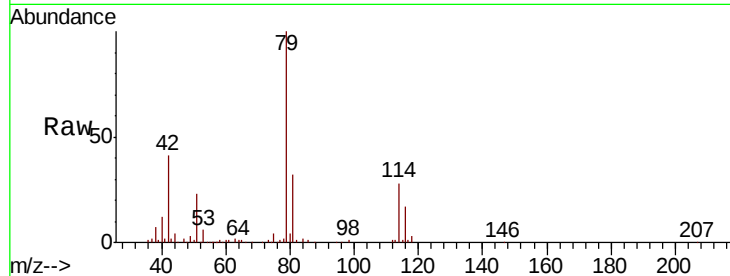
ClientSampleId :

Tot Ion: 75 Resp: 3806

Ion Ratio Lower Upper

75 100

77 35.2 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

1500

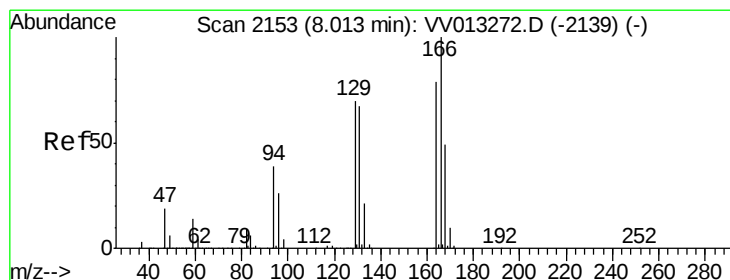
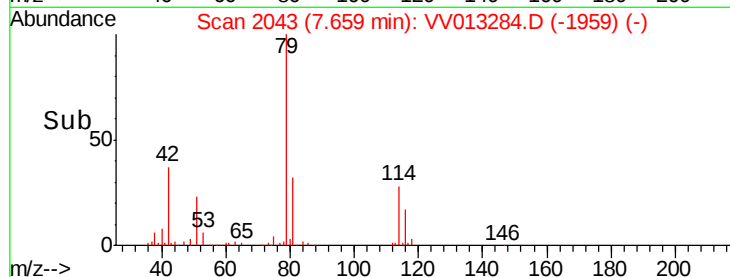
1000

500

0

7.60 7.65 7.70

Time-->



#47

Tetrachloroethene

Concen: 0.947 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013284.D

Acq: 22 Oct 2019 17:56

Tgt Ion: 164 Resp: 40590

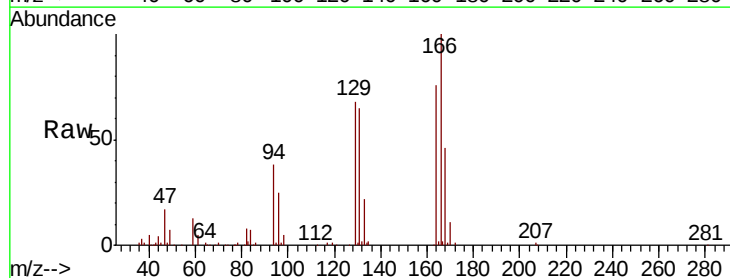
Ion Ratio Lower Upper

164 100

129 88.9 61.0 113.2

131 84.7 57.5 106.9

166 131.3 87.8 163.0



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

40000

30000

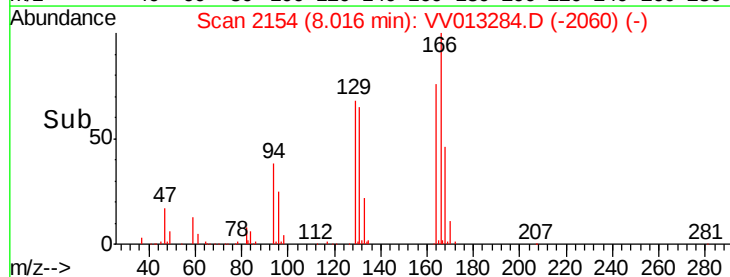
20000

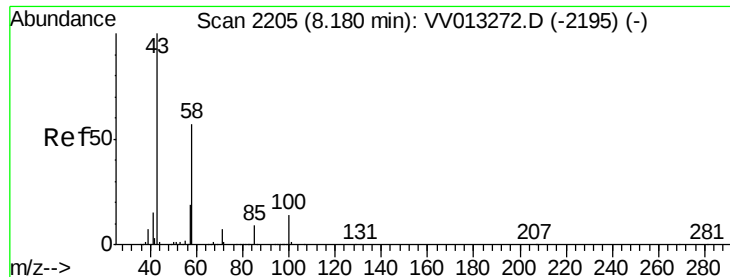
10000

0

7.95 8.00 8.05

Time-->

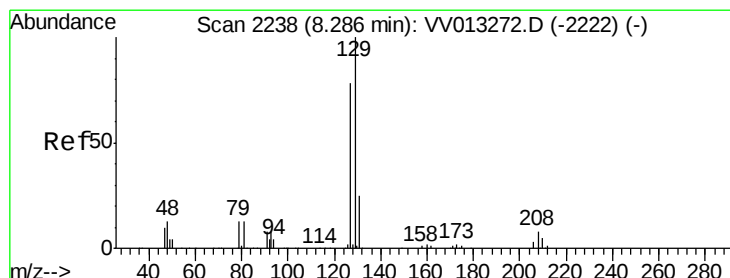
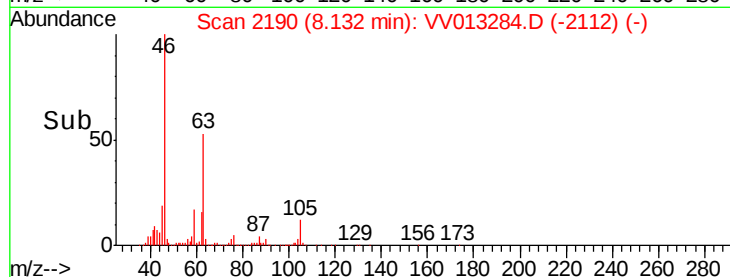
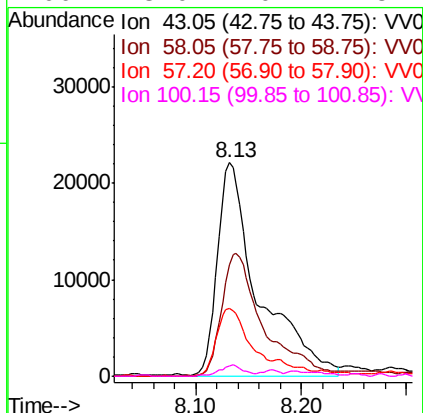
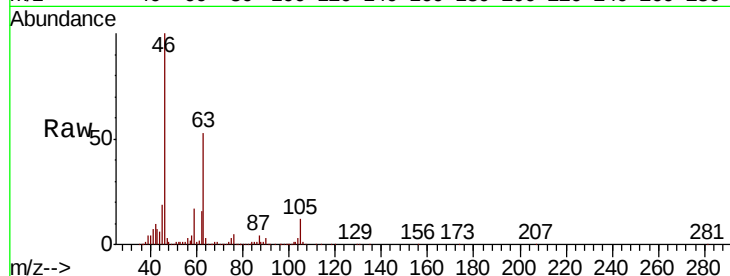




#48
2-Hexanone
Concen: 3.874 ug/L
RT: 8.13 min Scan# 2190
Delta R.T. -0.05 min
Lab File: VV013284.D
Acq: 22 Oct 2019 17:56

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 60409
Ion Ratio Lower Upper
43 100
58 58.2 45.1 67.7
57 24.9 15.5 23.3#
100 3.0 10.2 15.2#



#49
Dibromochloromethane
Concen: 0.915 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV013284.D
Acq: 22 Oct 2019 17:56

Tgt Ion: 129 Resp: 34373
Ion Ratio Lower Upper
129 100
127 0.0 54.1 100.5#

