

Data File : VV014486.D
Acq On : 03 Feb 2020 15:58
Operator : SY/MD
Sample : L1326-01 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBCS3

Quant Time: Feb 04 05:35:00 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 05:31:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	395531	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	368541	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	178156	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115627	52.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.28%
7) Chloroethane-d5	1.59	69	81365	59.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	119.14%
11) 1,1-Dichloroethene-d2	2.13	63	128166	43.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.42%
21) 2-Butanone-d5	3.92	46	181489	122.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.79%
24) Chloroform-d	4.40	84	250998	53.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.98%
26) 1,2-Dichloroethane-d4	5.08	65	161038	57.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.00%
32) Benzene-d6	5.10	84	538396	55.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.96%
36) 1,2-Dichloropropane-d6	6.11	67	168936	55.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.04%
41) Toluene-d8	7.36	98	485184	54.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.32%
43) trans-1,3-Dichloropropene-	7.66	79	86643	55.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	111.04%
47) 2-Hexanone-d5	8.13	63	141524	117.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.82%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	215080	54.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.74%
64) 1,2-Dichlorobenzene-d4	11.67	152	180429	54.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.98%

Target Compounds

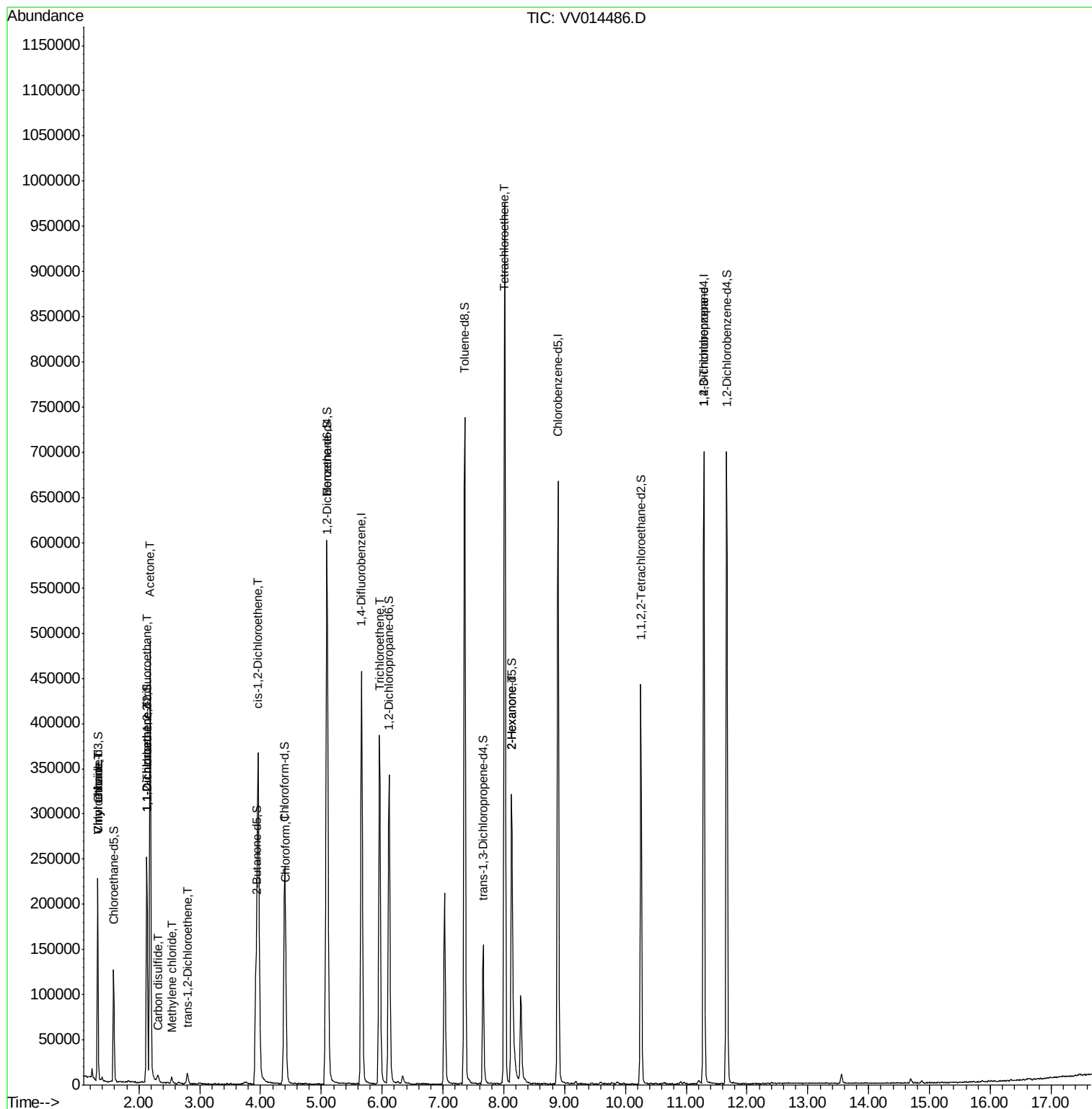
						Qvalue
5) Vinyl chloride	1.33	62	21332	7.689	ug/L	87
8) Chloroethane	1.33	64	8135	6.678	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1412	0.943	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	1195	0.794	ug/L #	1
13) Acetone	2.19	43	468050	371.124	ug/L	98
14) Carbon disulfide	2.32	76	5830	0.789	ug/L #	93
16) Methylene chloride	2.54	84	3108	1.073	ug/L	85
17) trans-1,2-Dichloroethene	2.80	96	4235	1.623	ug/L	94
20) cis-1,2-Dichloroethene	3.96	96	202745	69.656	ug/L	99
25) Chloroform	4.42	83	4081	0.851	ug/L	82
34) Trichloroethene	5.96	95	140426	51.129	ug/L	97
46) Tetrachloroethene	8.02	164	215844	107.458	ug/L	98
48) 2-Hexanone	8.13	43	15904	6.189	ug/L #	67
59) 1,2,3-Trichloropropane	11.29	75	20922	6.515	ug/L	90

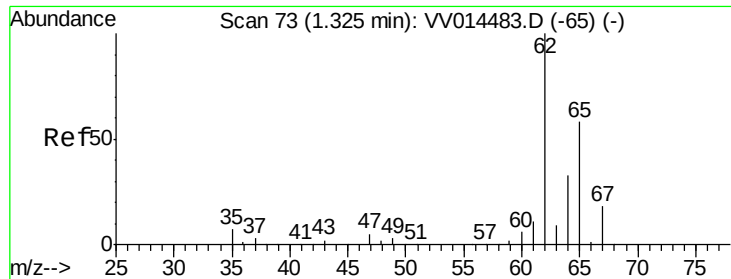
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.689 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

Instrument :

MSVOA_V

ClientSampleId :

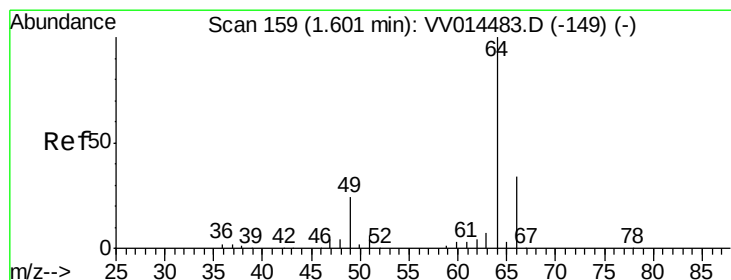
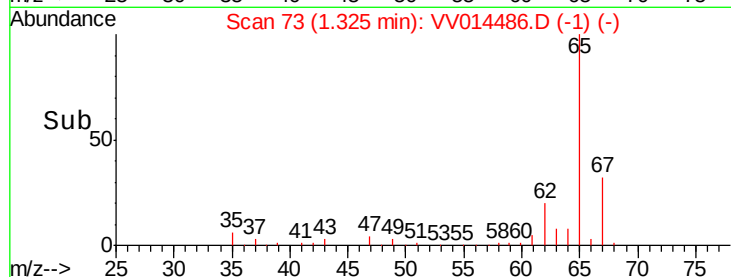
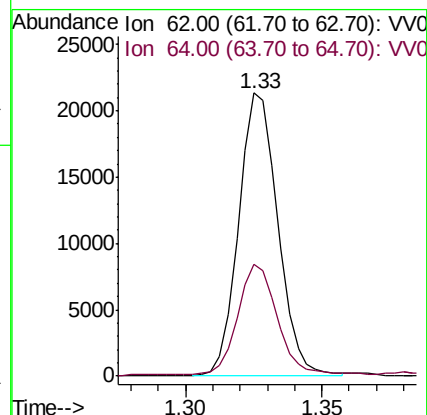
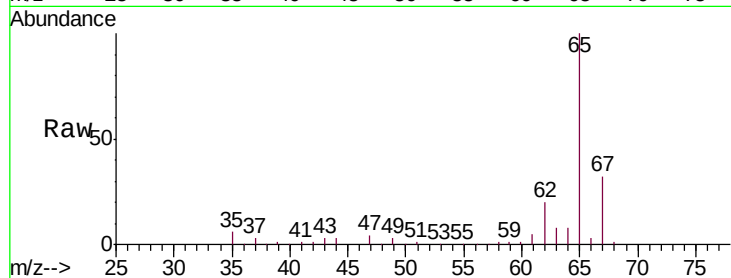
DBCS3

Tgt Ion: 62 Resp: 21332

Ion Ratio Lower Upper

62 100

64 39.5 22.7 42.1



#8

Chloroethane

Concen: 6.678 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV014486.D

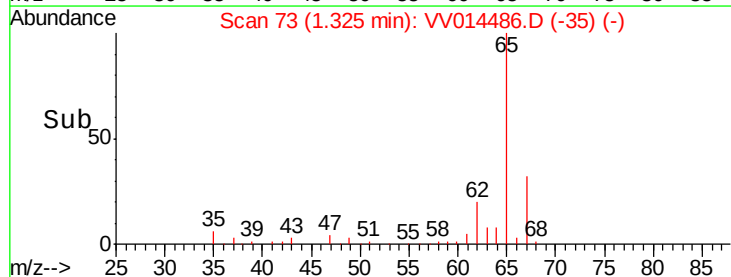
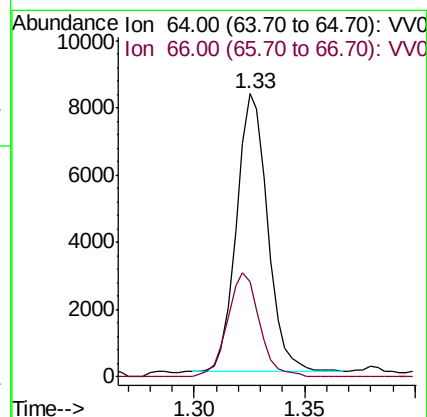
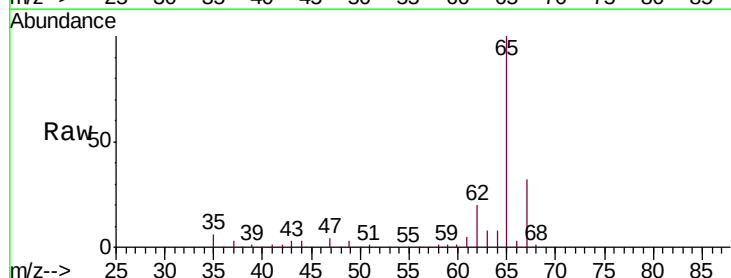
Acq: 03 Feb 2020 15:58

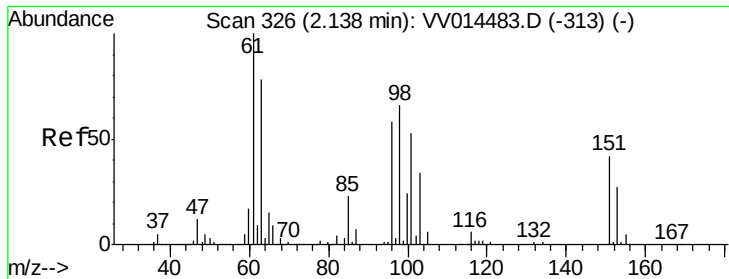
Tgt Ion: 64 Resp: 8135

Ion Ratio Lower Upper

64 100

66 33.5 23.0 42.8





#10

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

Concen: 0.943 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

Instrument :

MSVOA_V

ClientSampleId :

DBCS3

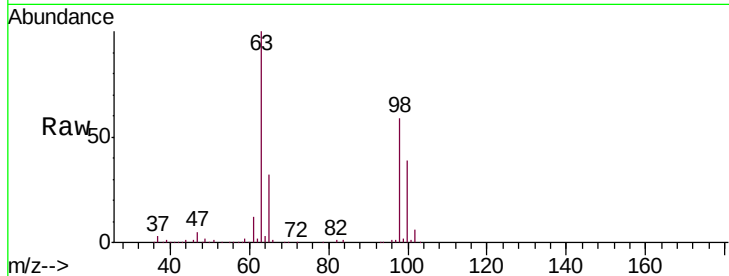
Tgt Ion: 101 Resp: 1412

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

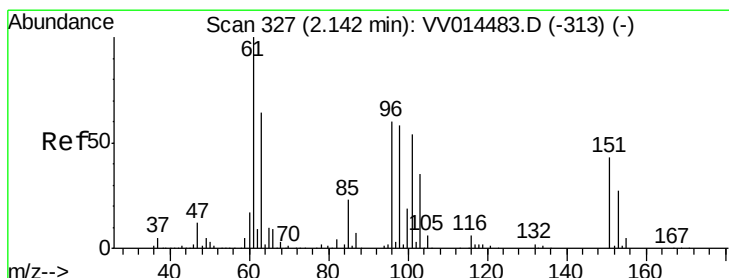
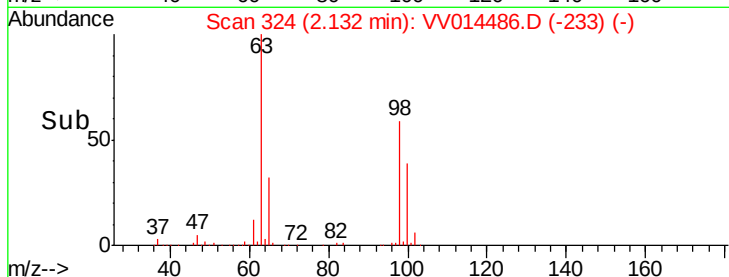
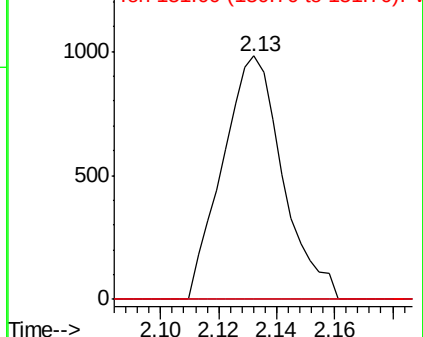
151 0.0 61.2 91.8#



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: 0.794 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

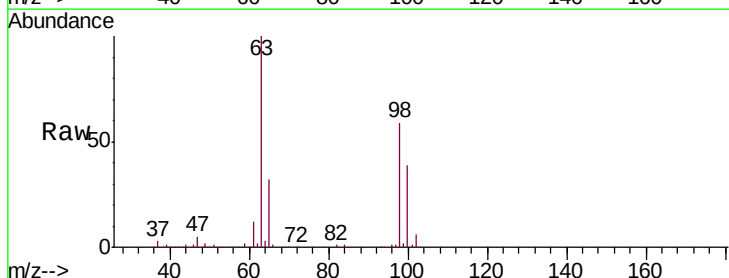
Tgt Ion: 96 Resp: 1195

Ion Ratio Lower Upper

96 100

61 1314.1 120.5 223.7#

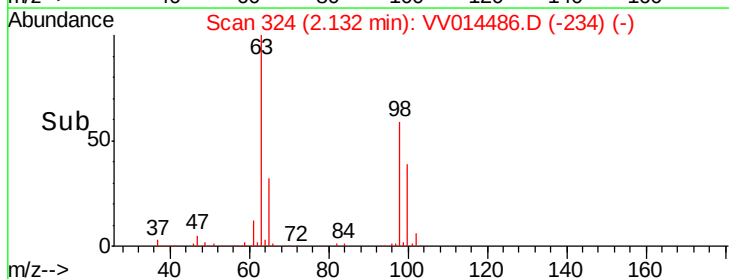
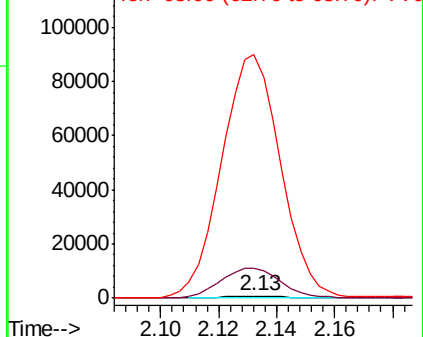
63 10650.2 87.1 161.7#

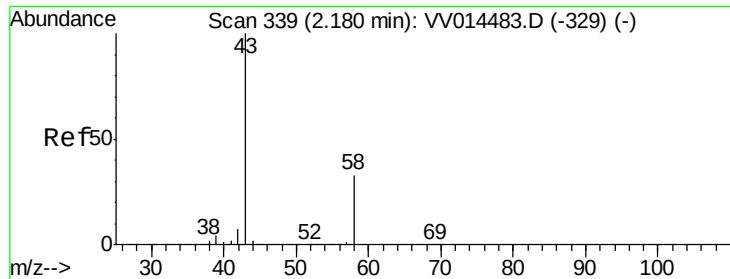


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 371.124 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

Instrument :

MSVOA_V

ClientSampled :

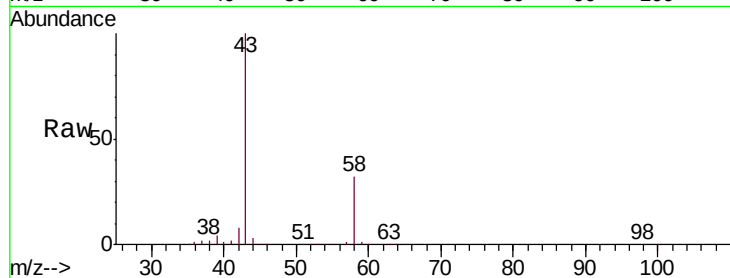
DBCS3

Tgt Ion: 43 Resp: 468050

Ion Ratio Lower Upper

43 100

58 31.9 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VV014483.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014483.D (-329) (-)

2.19

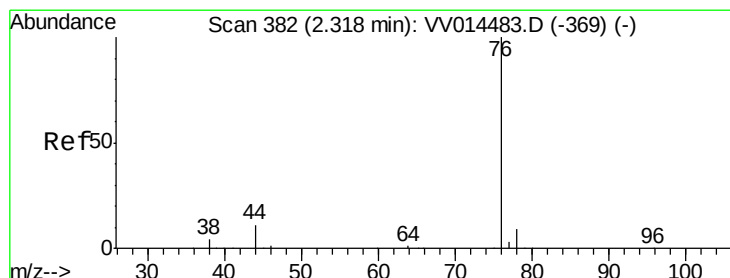
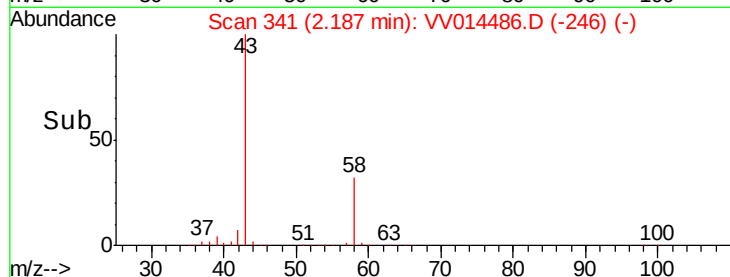
300000

200000

100000

0

Time-->



#14

Carbon disulfide

Concen: 0.789 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014486.D

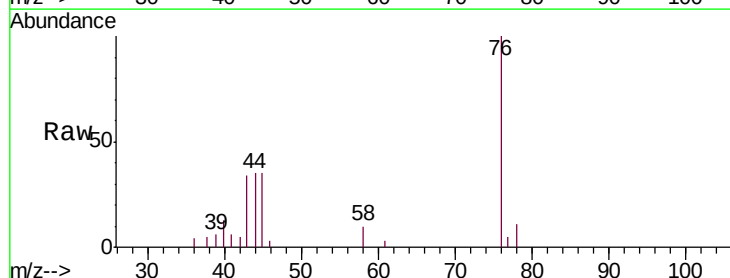
Acq: 03 Feb 2020 15:58

Tgt Ion: 76 Resp: 5830

Ion Ratio Lower Upper

76 100

78 11.4 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VV014483.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV014483.D (-369) (-)

2.32

4000

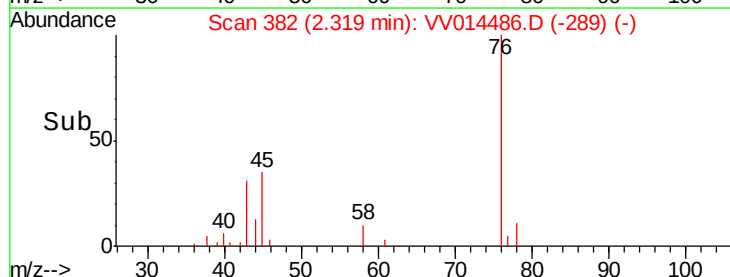
3000

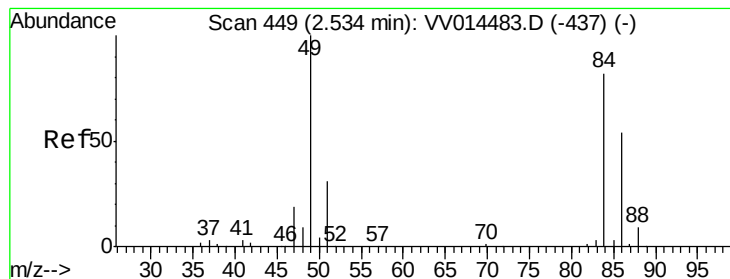
2000

1000

0

Time-->





#16

Methylene chloride

Concen: 1.073 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

Instrument :

MSVOA_V

ClientSampleId :

DBCS3

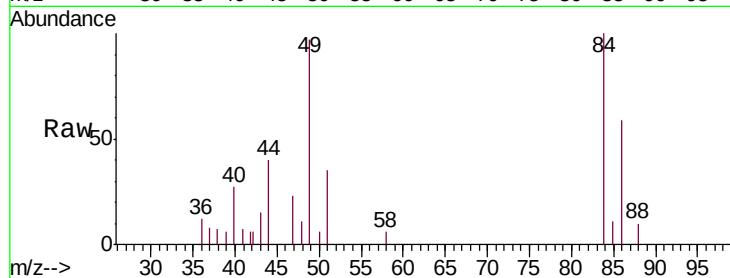
Tgt Ion: 84 Resp: 3108

Ion Ratio Lower Upper

84 100

86 59.3 45.6 84.8

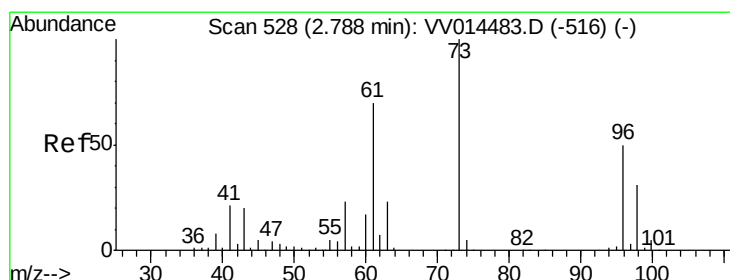
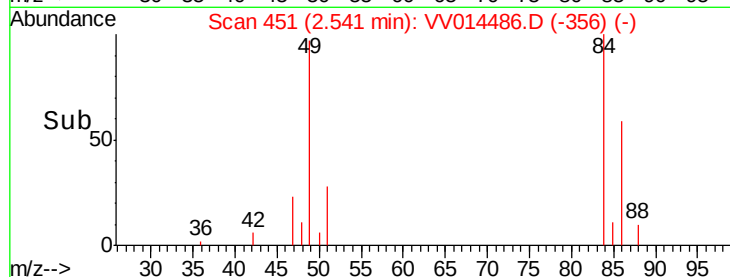
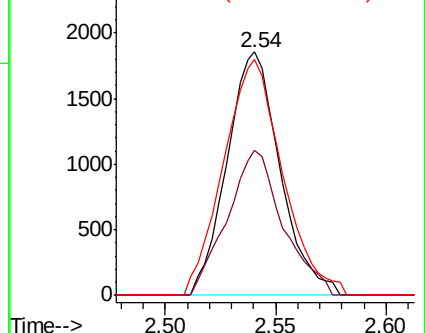
49 97.0 82.7 153.7



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0



#17

trans-1,2-Dichloroethene

Concen: 1.623 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.01 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

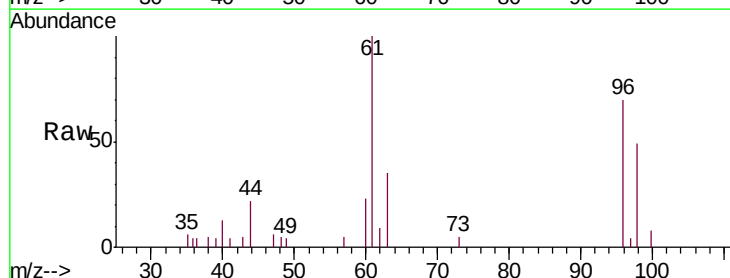
Tgt Ion: 96 Resp: 4235

Ion Ratio Lower Upper

96 100

61 143.6 96.7 179.7

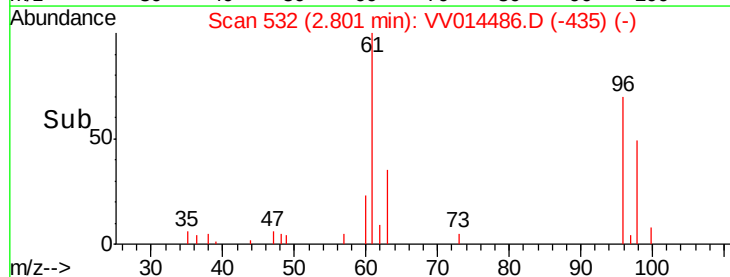
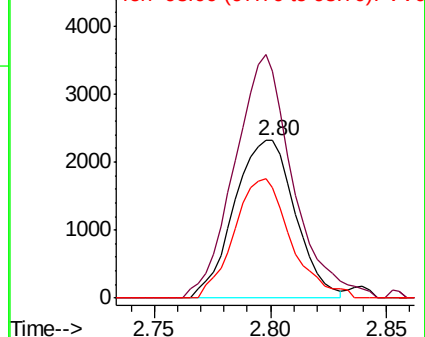
98 70.0 44.1 81.9

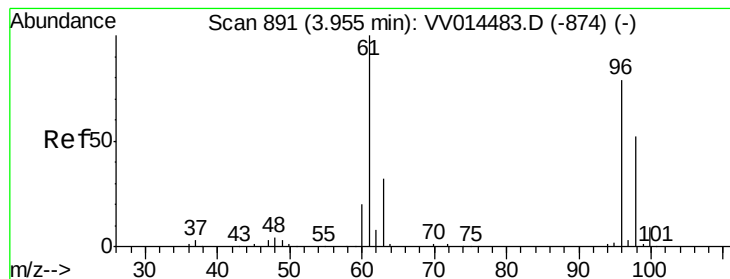


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#20

cis-1,2-Dichloroethene

Concen: 69.656 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

Instrument :

MSVOA_V

ClientSampleId :

DBCS3

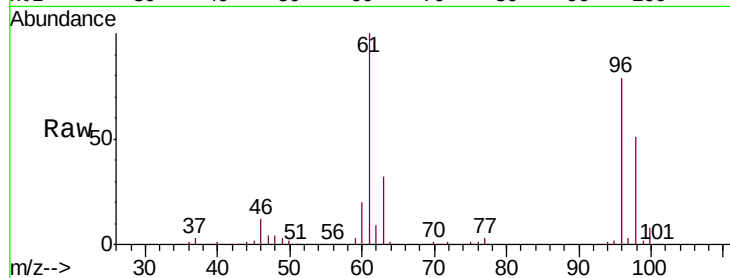
Tgt Ion: 96 Resp: 202745

Ion Ratio Lower Upper

96 100

61 126.4 88.9 165.1

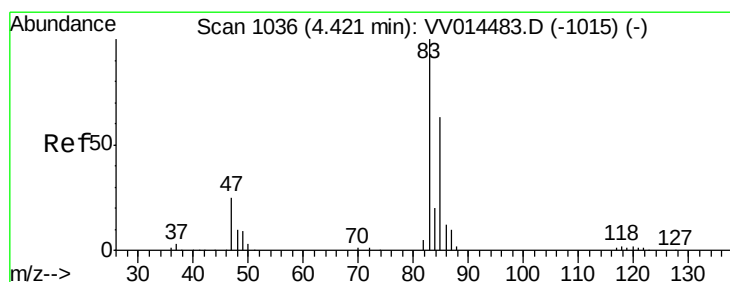
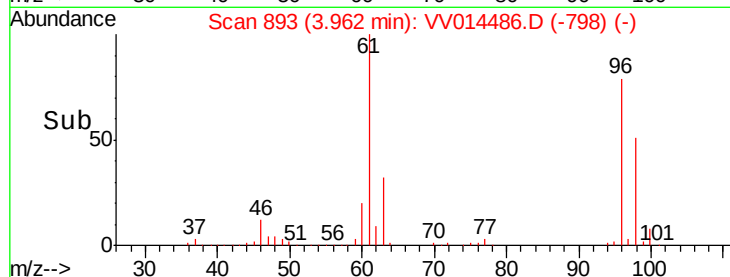
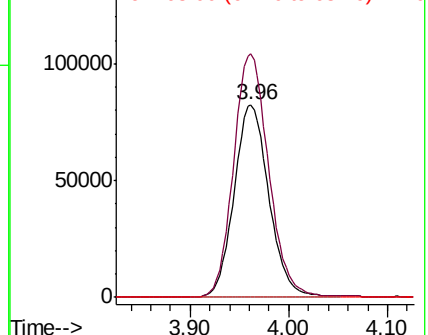
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0



#25

Chloroform

Concen: 0.851 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014486.D

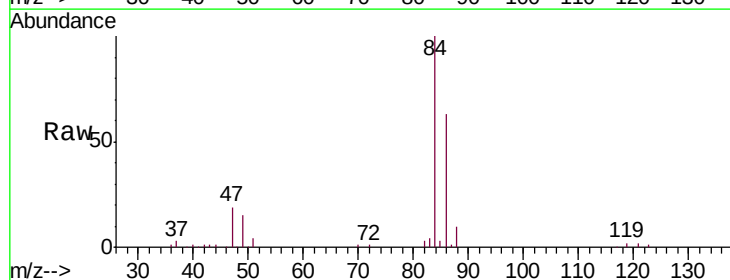
Acq: 03 Feb 2020 15:58

Tgt Ion: 83 Resp: 4081

Ion Ratio Lower Upper

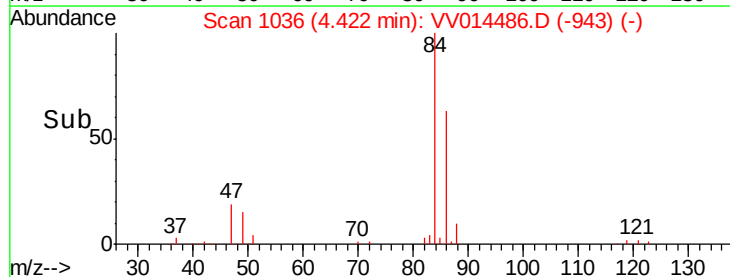
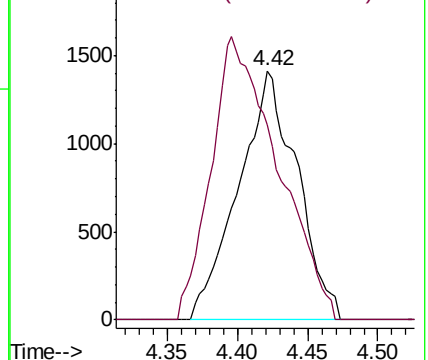
83 100

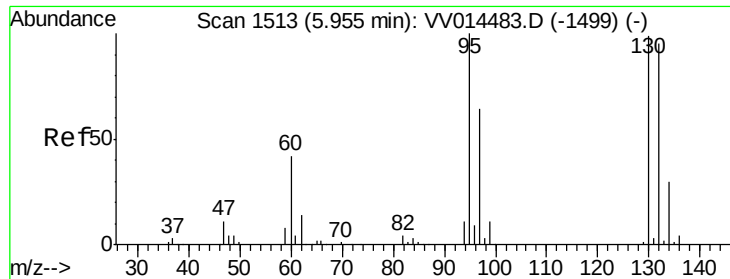
85 78.2 45.1 83.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#34

Trichloroethene

Concen: 51.129 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

Instrument :

MSVOA_V

ClientSampled :

DBCS3

Tgt Ion: 95 Resp: 140426

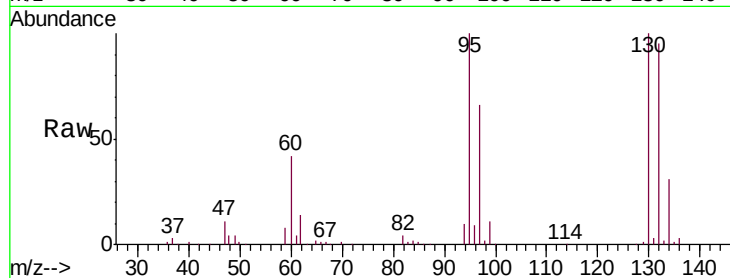
Ion Ratio Lower Upper

95 100

97 65.9 44.7 83.1

132 95.4 65.4 121.4

130 99.6 67.7 125.7

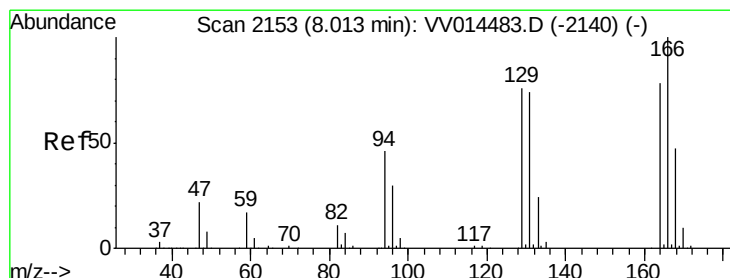
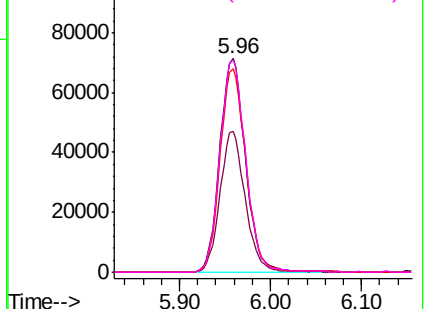
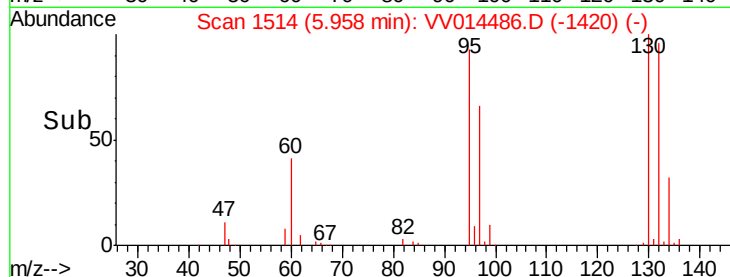


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#46

Tetrachloroethene

Concen: 107.458 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014486.D

Acq: 03 Feb 2020 15:58

Tgt Ion: 164 Resp: 215844

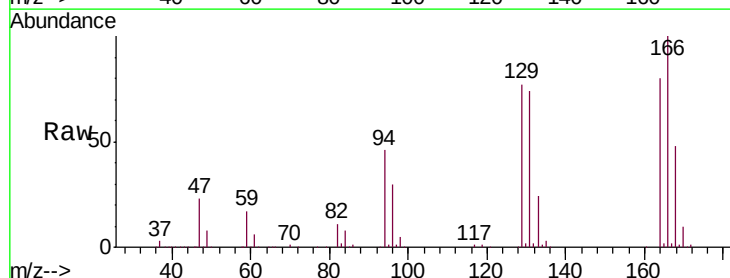
Ion Ratio Lower Upper

164 100

129 96.3 70.4 130.8

131 93.4 65.5 121.7

166 125.5 89.9 166.9

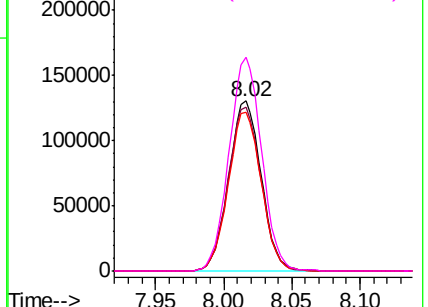
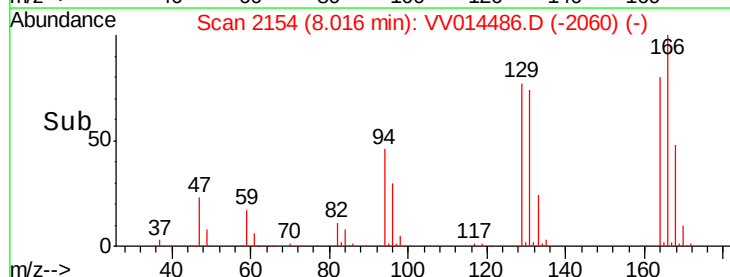


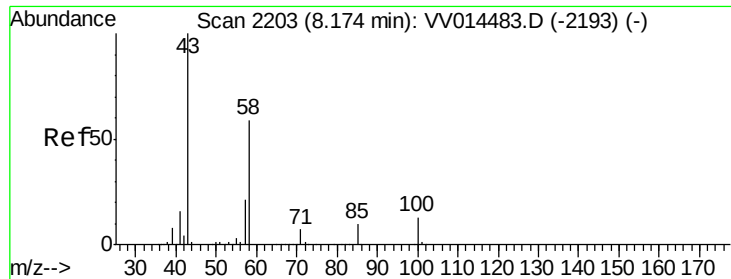
Abundance Ion 164.00 (163.70 to 164.70): VV0

Ion 129.00 (128.70 to 129.70): VV0

Ion 131.00 (130.70 to 131.70): VV0

Ion 166.00 (165.70 to 166.70): VV0

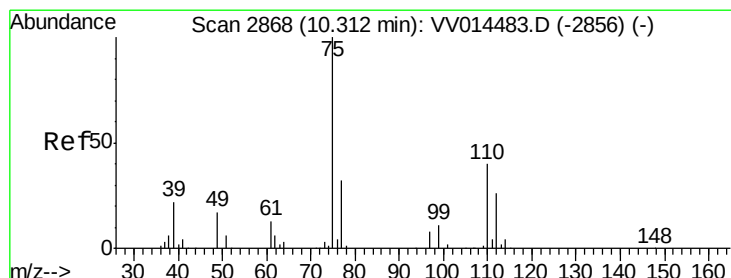
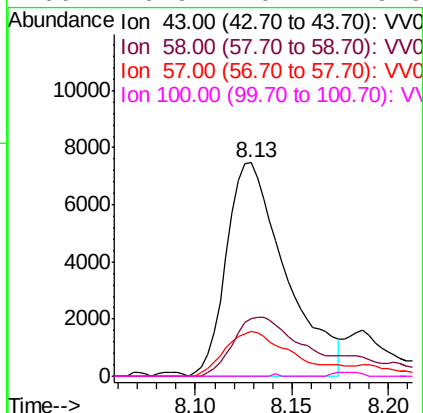
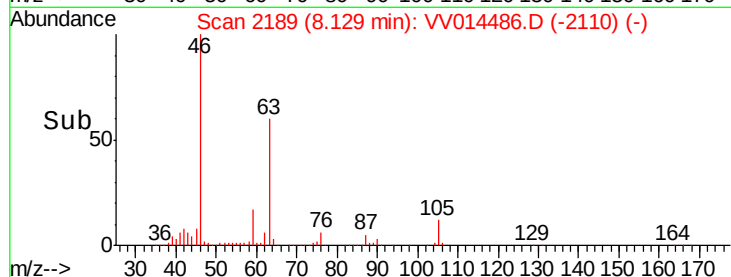
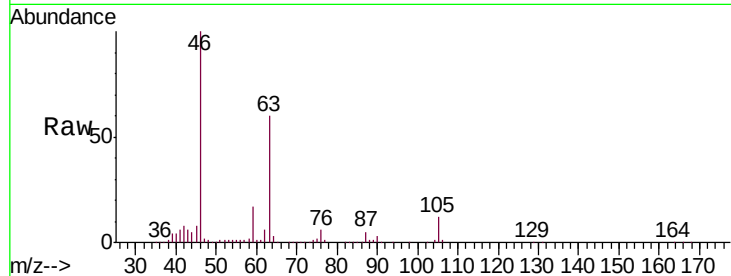




#48
 2-Hexanone
 Concen: 6.189 ug/L
 RT: 8.13 min Scan# 2189
 Delta R.T. -0.04 min
 Lab File: VV014486.D
 Acq: 03 Feb 2020 15:58

Instrument :
 MSVOA_V
 ClientSampleId :
 DBCS3

Tgt Ion: 43 Resp: 15904
 Ion Ratio Lower Upper
 43 100
 58 30.3 48.0 72.0#
 57 24.4 15.0 22.6#
 100 0.9 10.4 15.6#



#59
 1,2,3-Trichloropropane
 Concen: 6.515 ug/L
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.98 min
 Lab File: VV014486.D
 Acq: 03 Feb 2020 15:58

Tgt Ion: 75 Resp: 20922
 Ion Ratio Lower Upper
 75 100
 77 38.2 25.9 38.9

