

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV111918\
 Data File : VV008661.D
 Acq On : 19 Nov 2018 19:53
 Operator : SY/MD
 Sample : J5995-17
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FN9

Quant Time: Nov 20 08:32:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Nov 20 06:56:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	148860	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	134359	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59023	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28432	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.59	69	24256	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.00%
11) 1,1-Dichloroethene-d2	2.14	63	45478	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.96	46	118361	50.03	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.06%
24) Chloroform-d	4.41	84	83733	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.09	65	45586	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	163540	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.12	67	53490	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.36	98	147871	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.67	79	17214	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.14	63	89879	46.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	36684	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	52956	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	12888	1.369 ug/L	97
12) 1,1-Dichloroethene	2.14	96	1776	0.257 ug/L #	1
14) Carbon disulfide	2.32	76	2826	0.131 ug/L #	90
16) Methylene chloride	2.54	84	2014	0.240 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	7392	0.402 ug/L #	81
18) trans-1,2-Dichloroethene	2.79	96	15212	2.031 ug/L	94
19) 1,1-Dichloroethane	3.23	63	10725	0.566 ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	447954	39.617 ug/L	98
34) Trichloroethene	5.96	95	977356	86.806 ug/L	98
35) Methylcyclohexane	6.13	83	12464	0.654 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	5764	0.515 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	1313	0.087 ug/L #	31
47) Tetrachloroethene	8.02	164	43924	5.391 ug/L	97
48) 2-Hexanone	8.14	43	11272	2.548 ug/L #	72
49) Dibromochloromethane	8.02	129	42697	5.269 ug/L #	10

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QLast Update : Tue Nov 20 06:56:52 2018
Response via : Initial Calibration

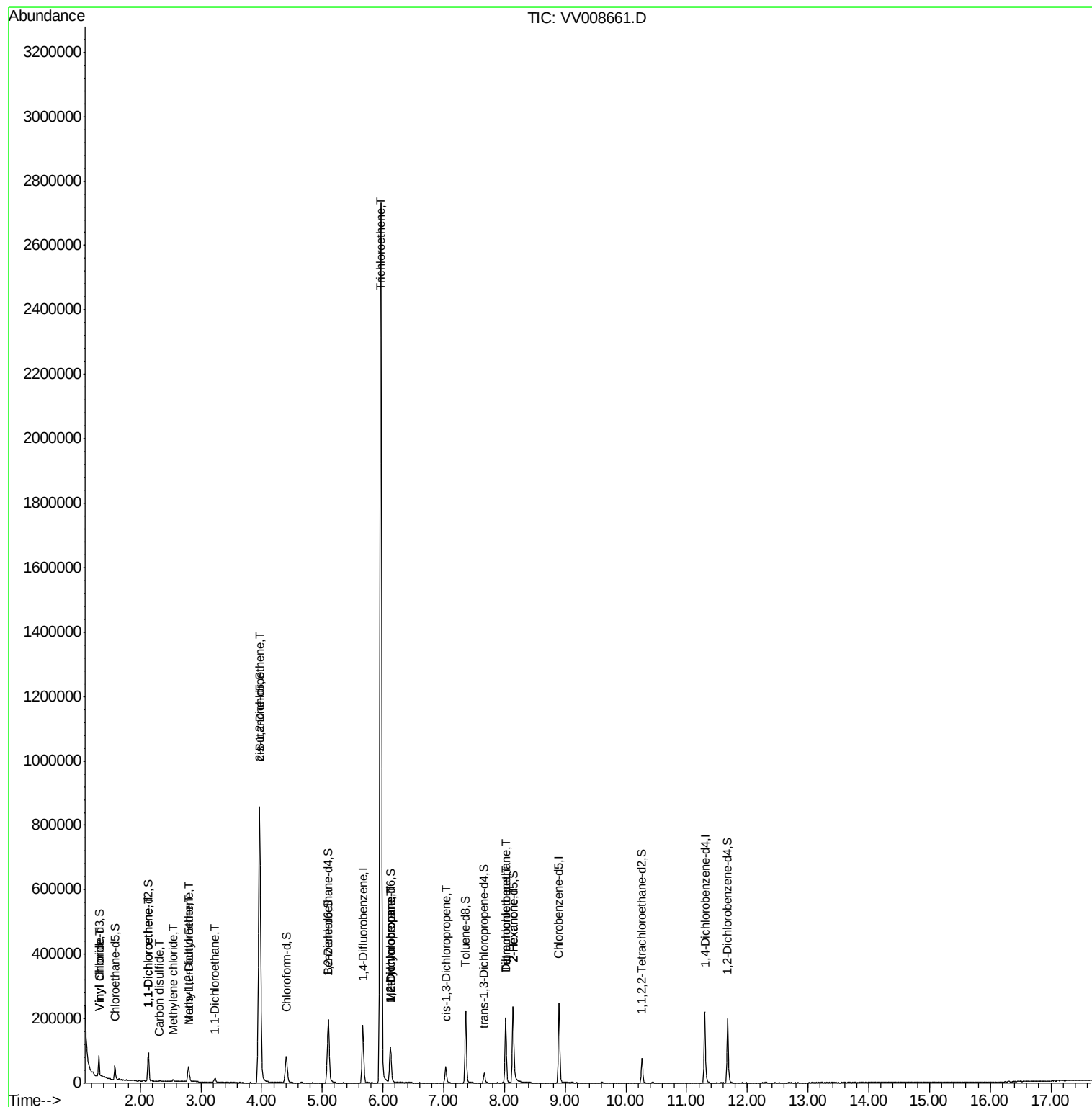
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

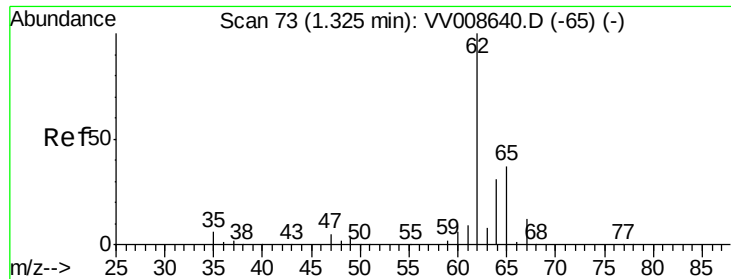
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 1.369 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008661.D

Acq: 19 Nov 2018 19:53

Instrument :

MSVOA_V

ClientSampled :

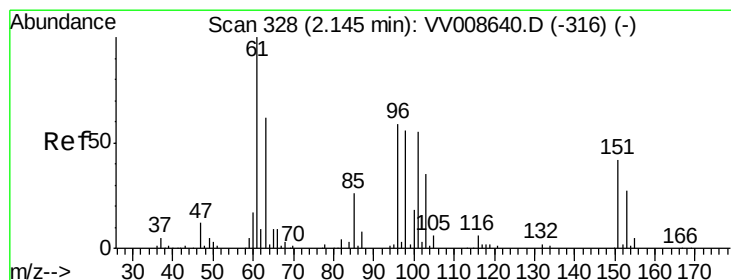
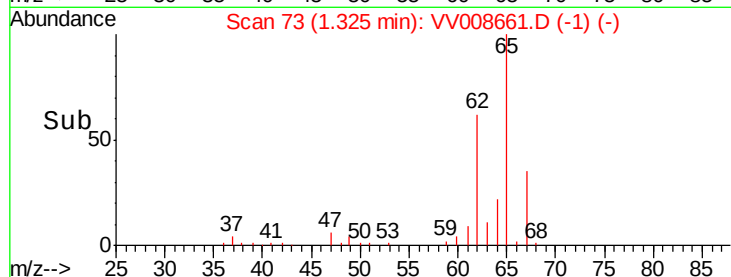
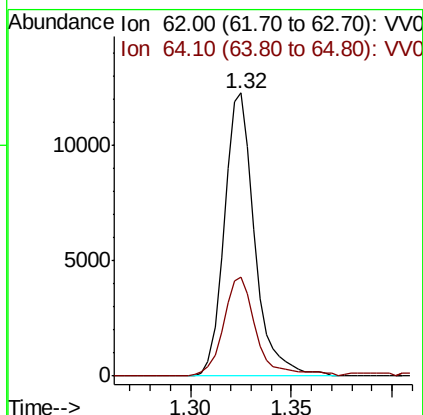
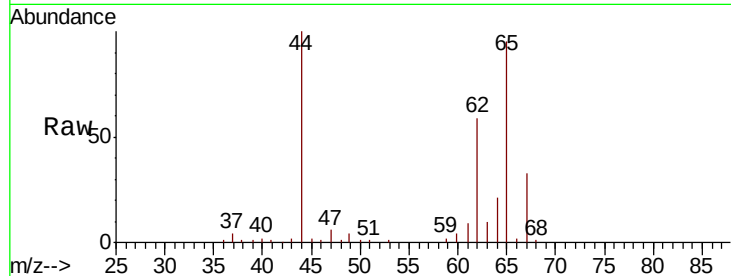
H0FN9

Tgt Ion: 62 Resp: 12888

Ion Ratio Lower Upper

62 100

64 35.1 23.4 43.4



#12

1,1-Dichloroethene

Concen: 0.257 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008661.D

Acq: 19 Nov 2018 19:53

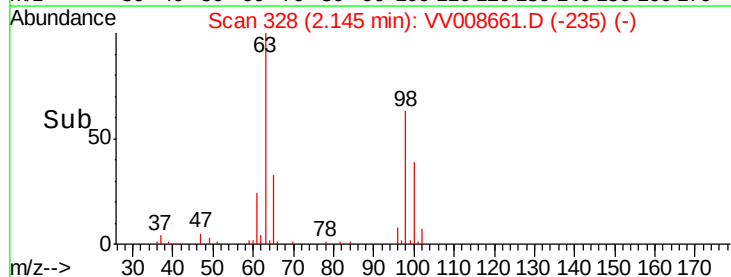
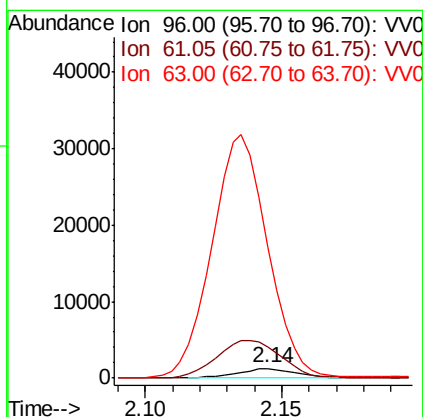
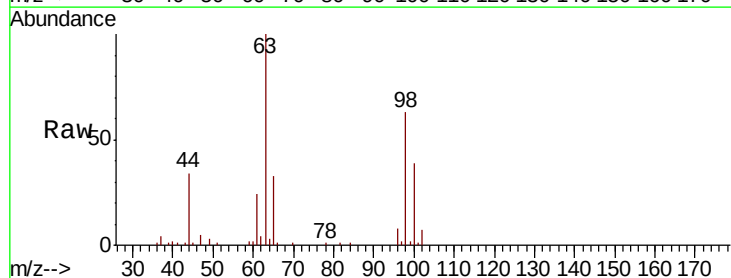
Tgt Ion: 96 Resp: 1776

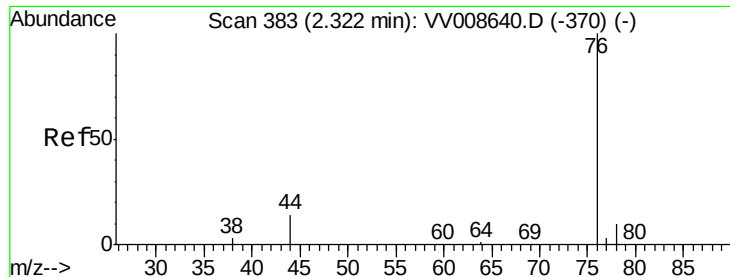
Ion Ratio Lower Upper

96 100

61 313.3 120.3 223.5#

63 1317.8 82.5 153.3#





#14

Carbon disulfide

Concen: 0.131 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV008661.D

Acq: 19 Nov 2018 19:53

Instrument :

MSVOA_V

ClientSampleId :

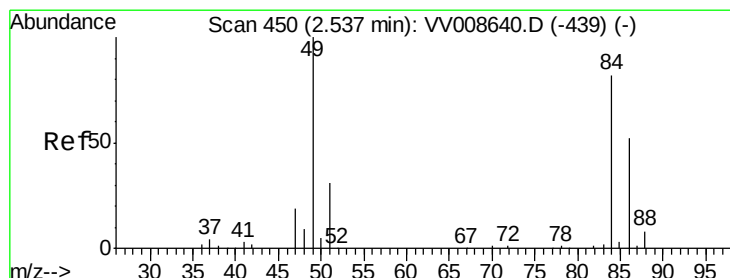
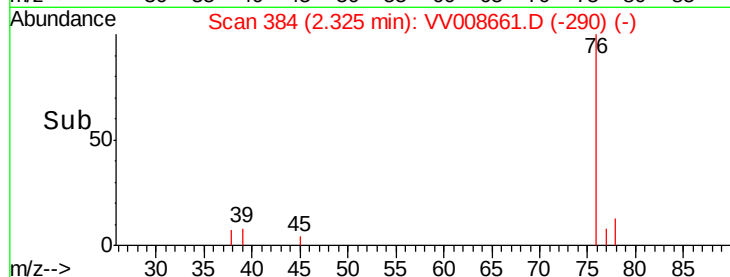
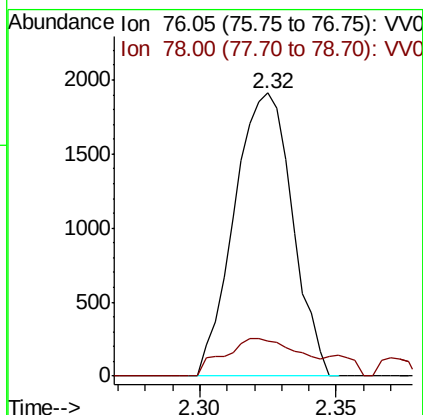
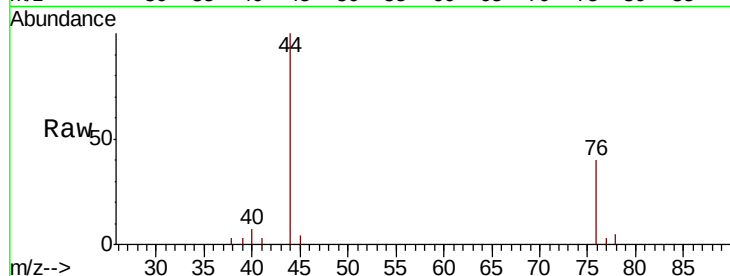
H0FN9

Tgt Ion: 76 Resp: 2826

Ion Ratio Lower Upper

76 100

78 12.6 7.0 10.6#



#16

Methylene chloride

Concen: 0.240 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV008661.D

Acq: 19 Nov 2018 19:53

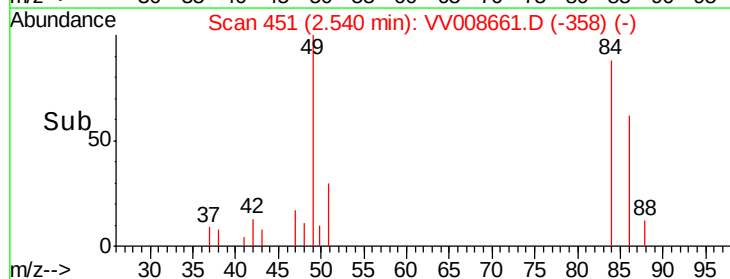
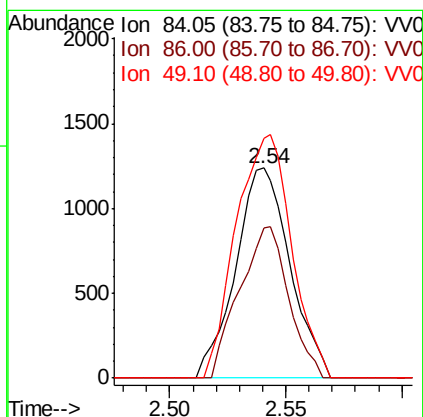
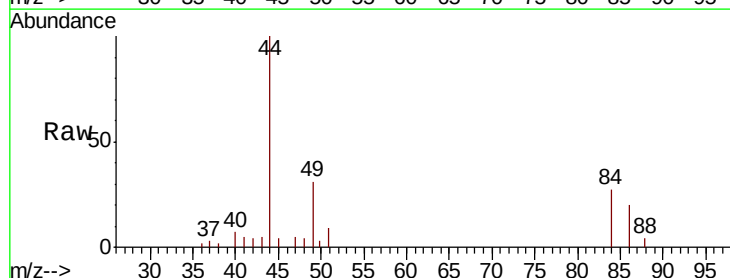
Tgt Ion: 84 Resp: 2014

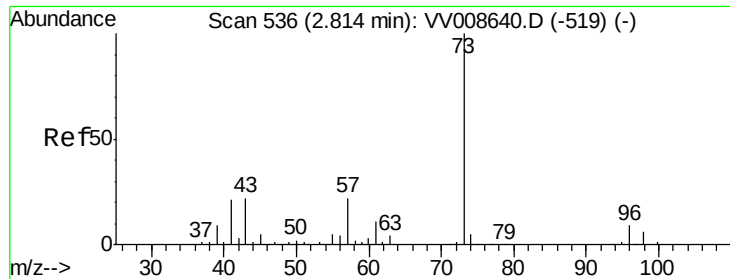
Ion Ratio Lower Upper

84 100

86 71.3 44.8 83.2

49 125.9 88.1 163.7

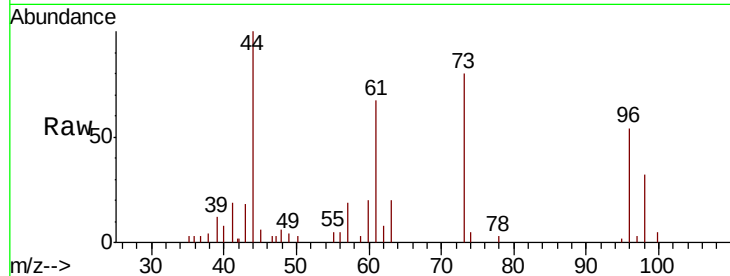




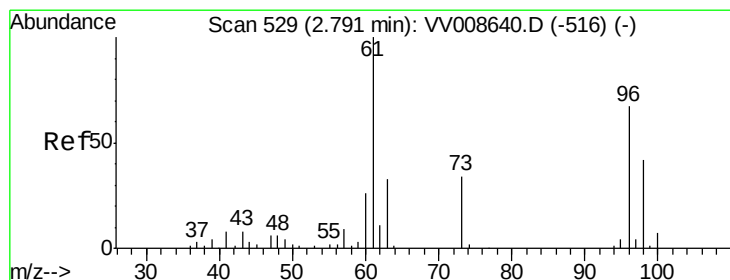
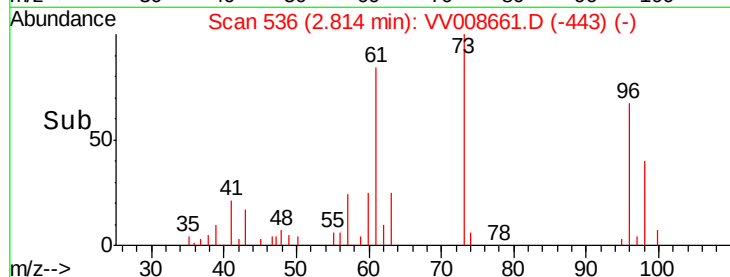
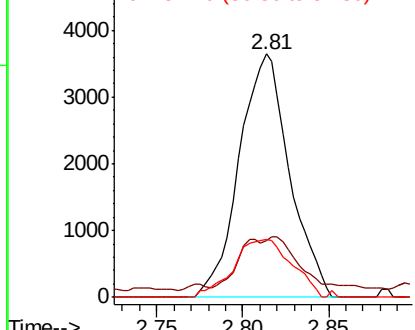
#17
Methyl tert-butyl Ether
Concen: 0.402 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV008661.D
Acq: 19 Nov 2018 19:53

Instrument :
MSVOA_V
ClientSampleId :
H0FN9

Tgt Ion: 73 Resp: 7392
Ion Ratio Lower Upper
73 100
43 9.6 18.1 27.1#
57 27.6 17.9 26.9#

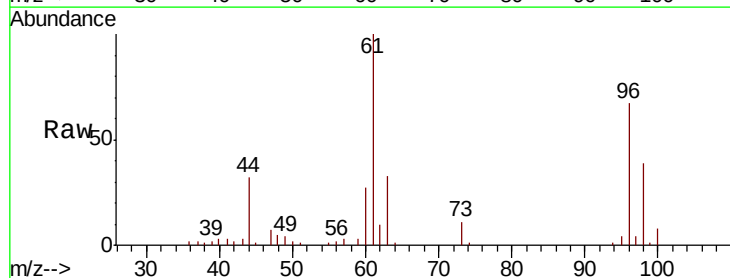


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

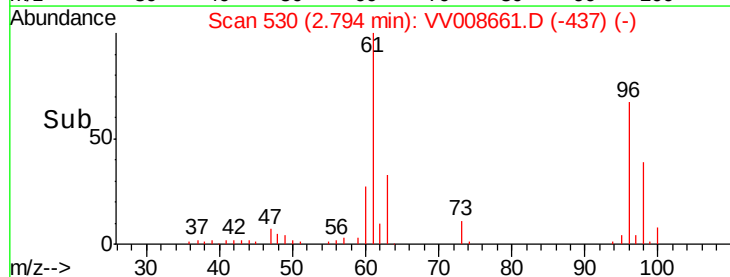
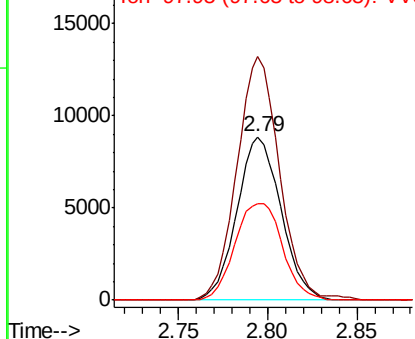


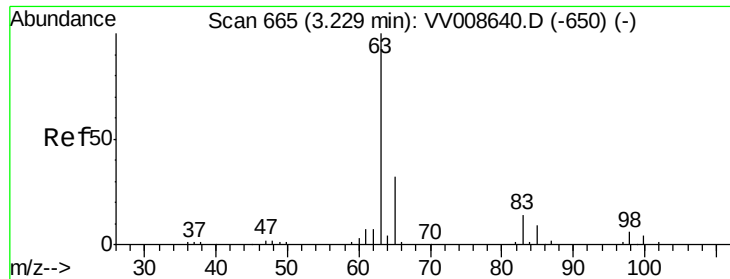
#18
trans-1,2-Dichloroethene
Concen: 2.031 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.00 min
Lab File: VV008661.D
Acq: 19 Nov 2018 19:53

Tgt Ion: 96 Resp: 15212
Ion Ratio Lower Upper
96 100
61 148.9 97.1 180.3
98 58.7 41.9 77.7



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

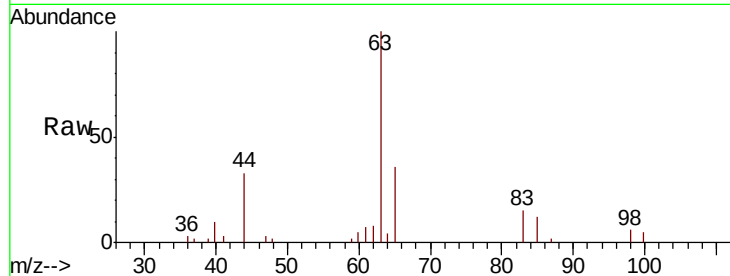




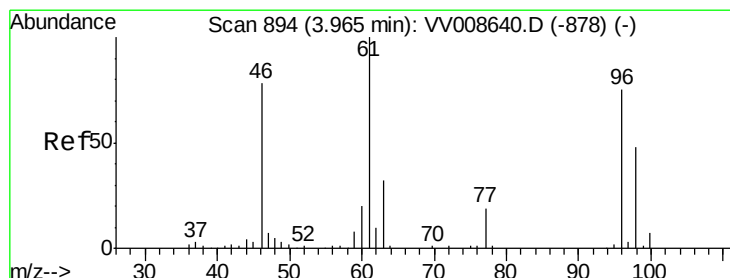
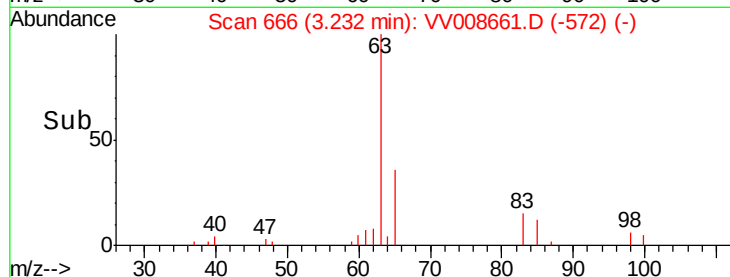
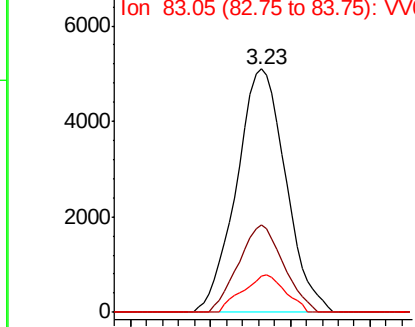
#19
 1,1-Dichloroethane
 Concen: 0.566 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008661.D
 Acq: 19 Nov 2018 19:53

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FN9

Tgt Ion: 63 Resp: 10725
 Ion Ratio Lower Upper
 63 100
 65 36.0 23.2 43.0
 83 14.6 9.5 17.7

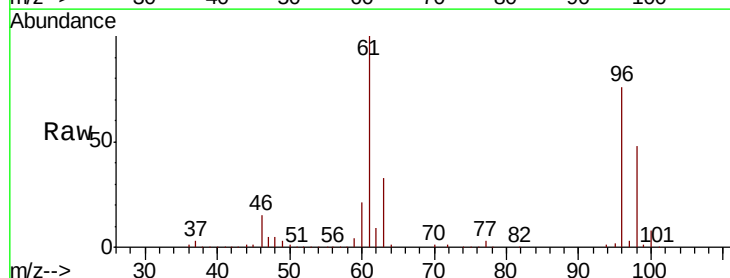


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

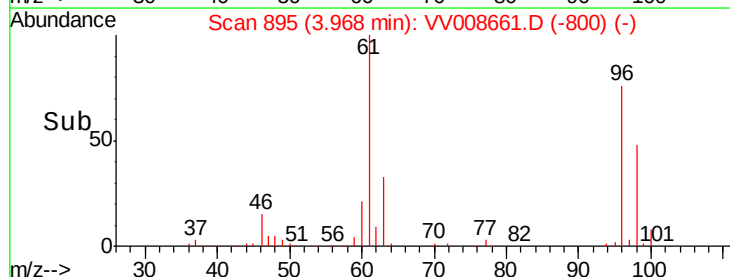
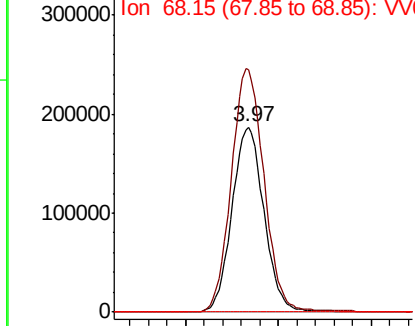


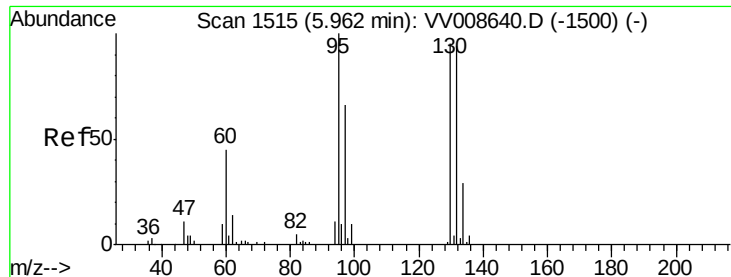
#22
 cis-1,2-Dichloroethene
 Concen: 39.617 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.01 min
 Lab File: VV008661.D
 Acq: 19 Nov 2018 19:53

Tgt Ion: 96 Resp: 447954
 Ion Ratio Lower Upper
 96 100
 61 131.4 93.2 173.2
 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





#34

Trichloroethene

Concen: 86.806 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008661.D

Acq: 19 Nov 2018 19:53

Instrument :

MSVOA_V

ClientSampleId :

H0FN9

Tgt Ion: 95 Resp: 977356

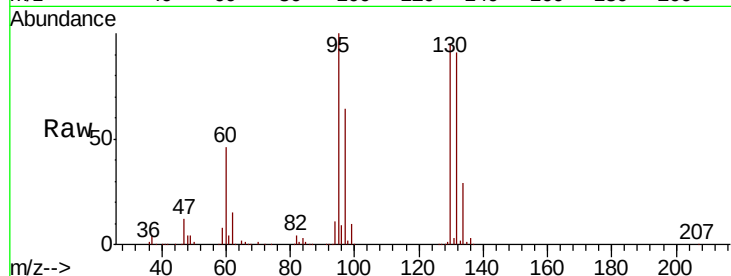
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 90.8 66.3 123.1

130 94.6 68.0 126.4

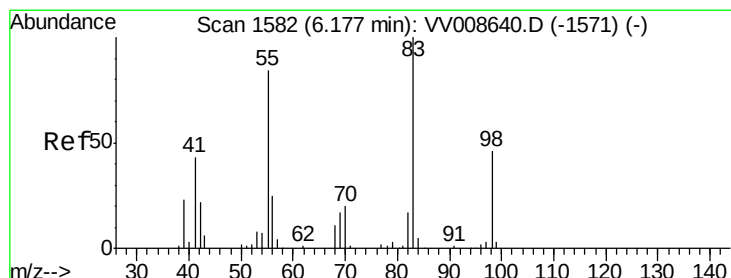
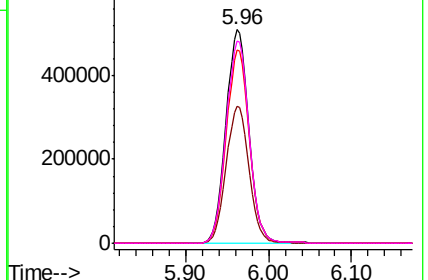
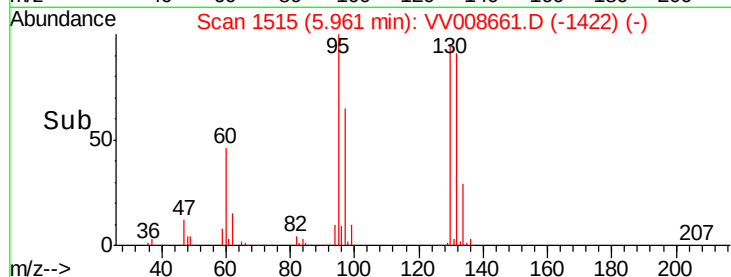


Abundance Ion 95.00 (94.70 to 95.70): VV008661.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV008661.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV008661.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV008661.D (-1422) (-)



#35

Methylcyclohexane

Concen: 0.654 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV008661.D

Acq: 19 Nov 2018 19:53

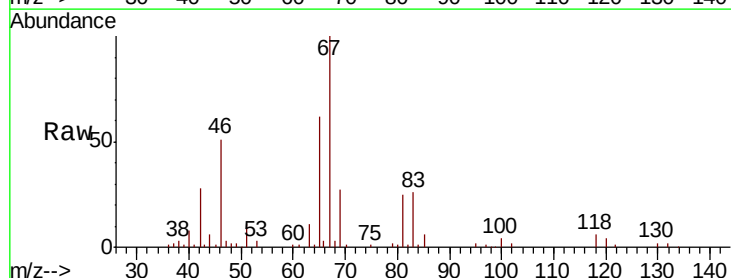
Tgt Ion: 83 Resp: 12464

Ion Ratio Lower Upper

83 100

55 0.9 65.6 98.4#

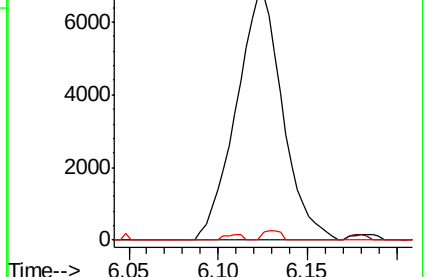
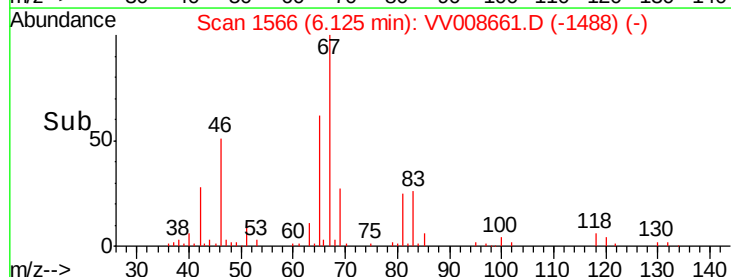
98 0.0 36.4 54.6#

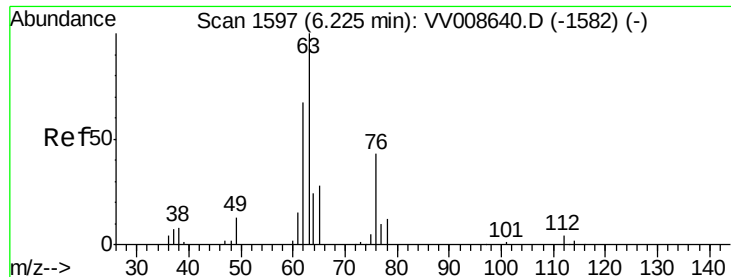


Abundance Ion 83.15 (82.85 to 83.85): VV008661.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV008661.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV008661.D (-1488) (-)

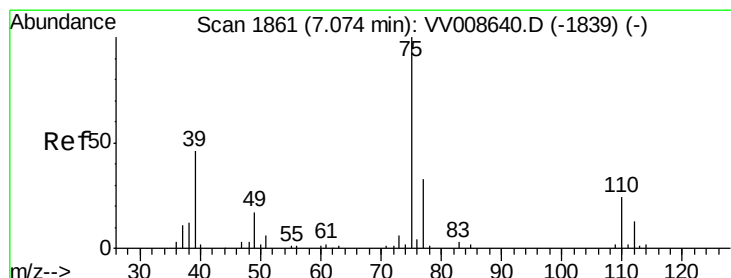
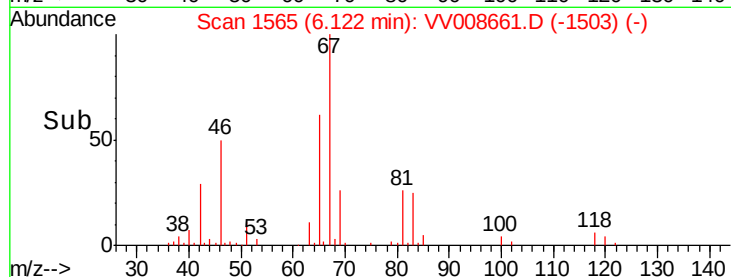
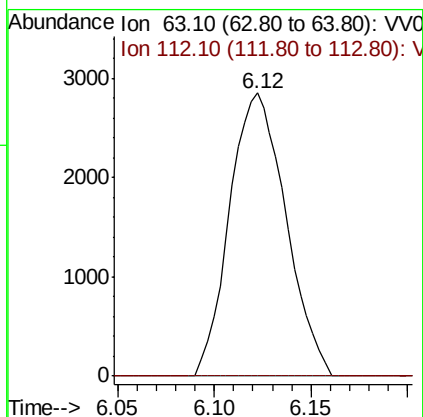
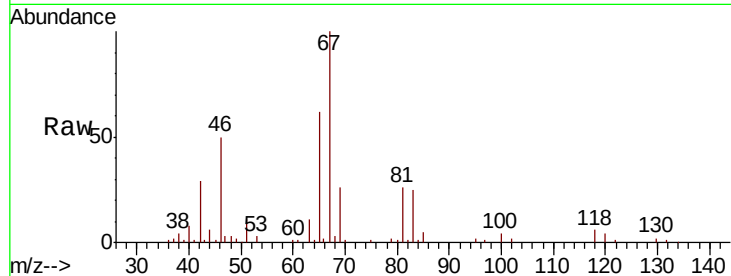




#37
 1,2-Dichloropropane
 Concen: 0.515 ug/L
 RT: 6.12 min Scan# 1565
 Delta R.T. -0.10 min
 Lab File: VV008661.D
 Acq: 19 Nov 2018 19:53

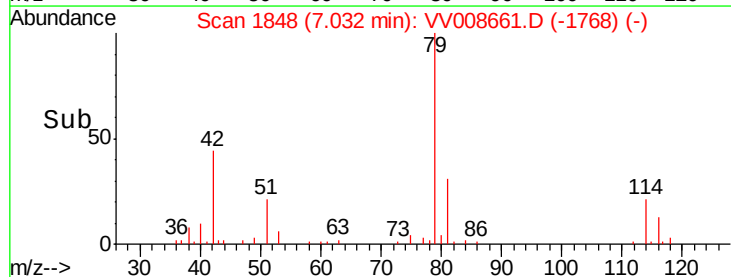
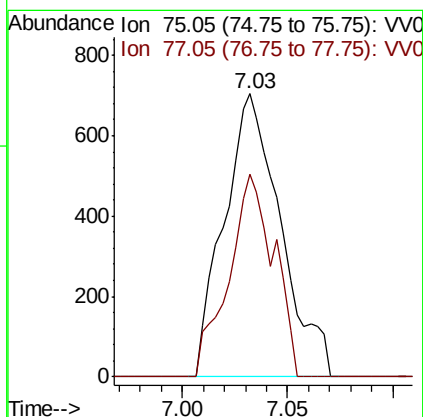
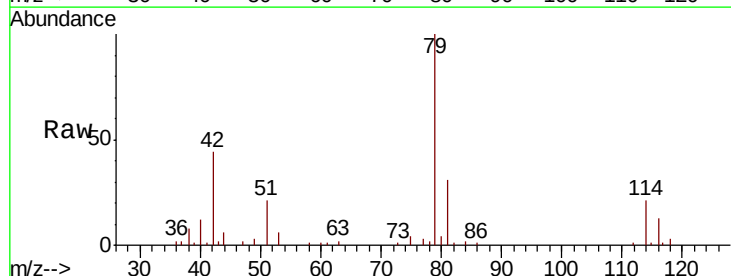
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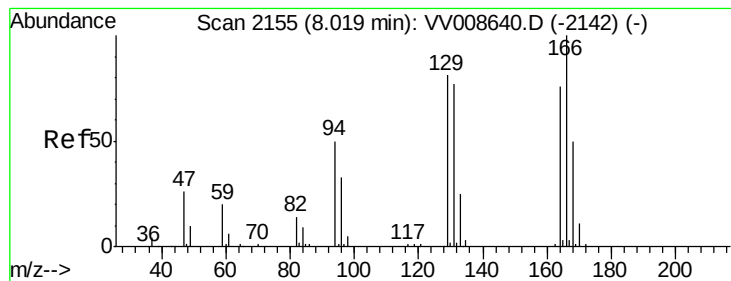
Tgt Ion: 63 Resp: 5764
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.8 4.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008661.D
 Acq: 19 Nov 2018 19:53

Tgt Ion: 75 Resp: 1313
 Ion Ratio Lower Upper
 75 100
 77 71.9 23.0 42.8#





#47

Tetrachloroethene

Concen: 5.391 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV008661.D

Acq: 19 Nov 2018 19:53

Instrument :

MSVOA_V

ClientSampleId :

H0FN9

Tgt Ion:164 Resp: 43924

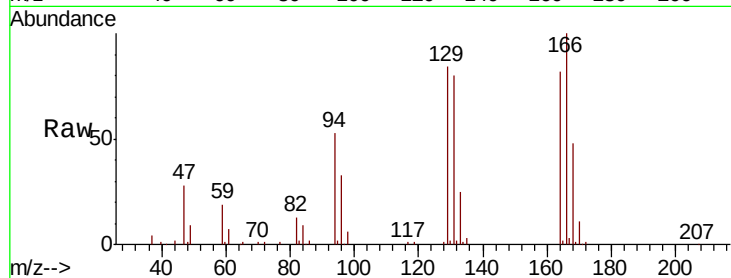
Ion Ratio Lower Upper

164 100

129 102.8 67.5 125.4

131 97.4 66.4 123.4

166 122.4 85.8 159.3

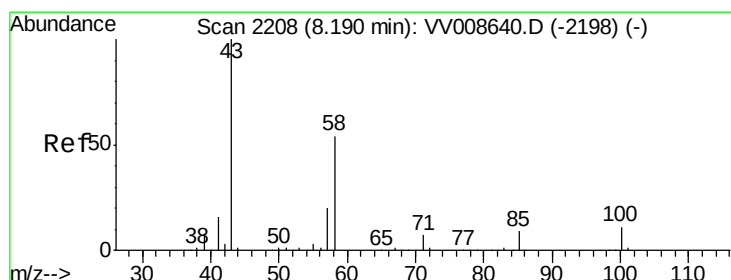
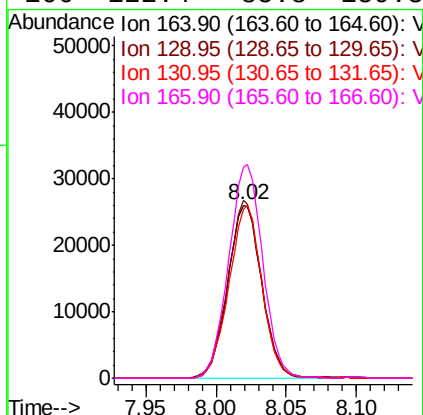
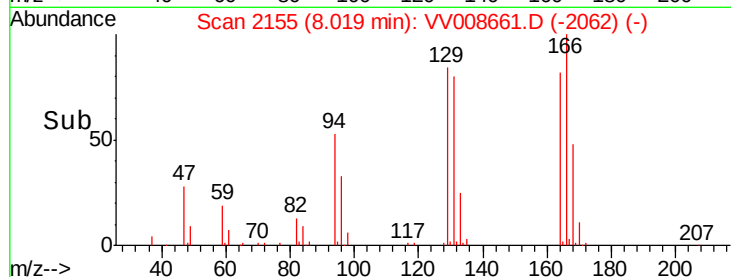


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.548 ug/L

RT: 8.14 min Scan# 2192

Delta R.T. -0.05 min

Lab File: VV008661.D

Acq: 19 Nov 2018 19:53

Tgt Ion: 43 Resp: 11272

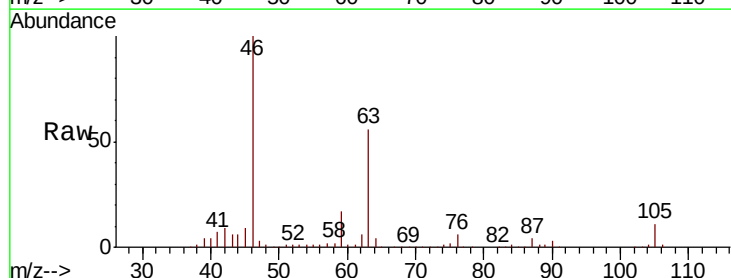
Ion Ratio Lower Upper

43 100

58 30.1 41.8 62.8#

57 27.9 15.4 23.0#

100 0.0 8.7 13.1#

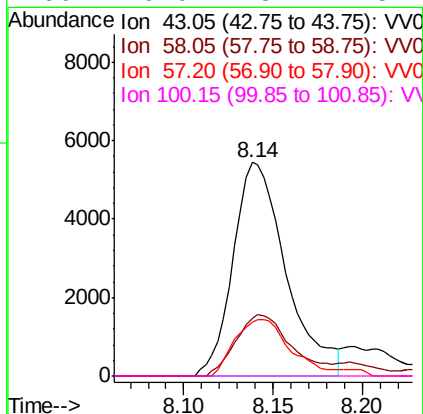
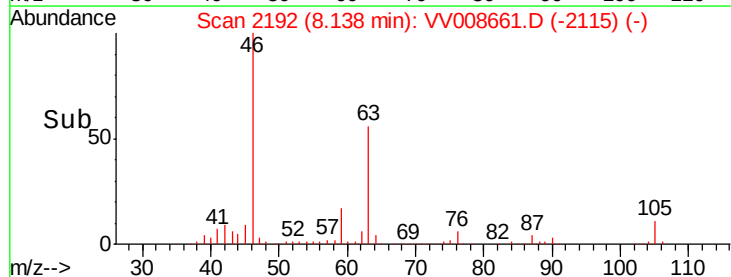


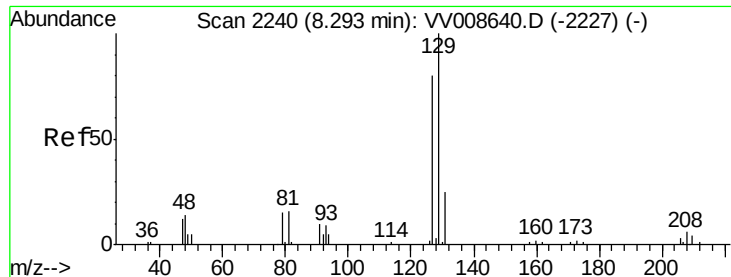
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 5.269 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.27 min
 Lab File: VV008661.D
 Acq: 19 Nov 2018 19:53

Instrument :
 MSVOA_V
 ClientSampleId :
 H0FN9

Tgt Ion:129 Resp: 42697
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.6 101.4#

