

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102518\
 Data File : VV008414.D
 Acq On : 25 Oct 2018 17:31
 Operator : SY/MD
 Sample : J5670-04
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETBP5

Quant Time: Oct 25 23:20:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 25 23:17:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	204087	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183432	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	75678	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56594	50.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.16%
7) Chloroethane-d5	1.57	69	42193	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.42%
11) 1,1-Dichloroethene-d2	2.13	63	75702	37.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.18%
21) 2-Butanone-d5	3.94	46	109246	88.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.96%
24) Chloroform-d	4.41	84	127105	45.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.22%
26) 1,2-Dichloroethane-d4	5.09	65	87428	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.84%
32) Benzene-d6	5.10	84	260009	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.48%
36) 1,2-Dichloropropane-d6	6.12	67	87876	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.86%
41) Toluene-d8	7.36	98	236090	49.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.48%
43) trans-1,3-Dichloropropene-	7.67	79	42256	47.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.88%
47) 2-Hexanone-d5	8.13	63	84200	88.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.87%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	111103	45.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.42%
64) 1,2-Dichlorobenzene-d4	11.68	152	75905	49.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.06%

Target Compounds

					Qvalue
5) Vinyl chloride	1.32	62	22678	15.678 ug/L #	69
8) Chloroethane	1.55	64	2085	2.744 ug/L #	59
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	612	0.629 ug/L #	20
12) 1,1-Dichloroethene	2.14	96	1809	1.976 ug/L #	1
13) Acetone	2.19	43	7344	7.705 ug/L	99
17) trans-1,2-Dichloroethene	2.80	96	2911	2.085 ug/L	94
19) 1,1-Dichloroethane	3.23	63	1517	0.527 ug/L	96
20) cis-1,2-Dichloroethene	3.97	96	442711	278.393 ug/L	96
34) Trichloroethene	5.96	95	124517	81.113 ug/L	98
37) 1,2-Dichloropropane	6.12	63	9670	5.839 ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	2503	0.961 ug/L #	63
44) trans-1,3-Dichloropropene	7.67	75	1701	0.698 ug/L #	78
45) 1,1,2-Trichloroethane	8.03	97	1551	1.059 ug/L #	24
46) Tetrachloroethene	8.02	164	116857	116.769 ug/L	98
49) Dibromochloromethane	8.02	129	118172	75.104 ug/L #	10

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Quant Title : VOC Analysis
QLast Update : Thu Oct 25 23:17:12 2018
Response via : Initial Calibration

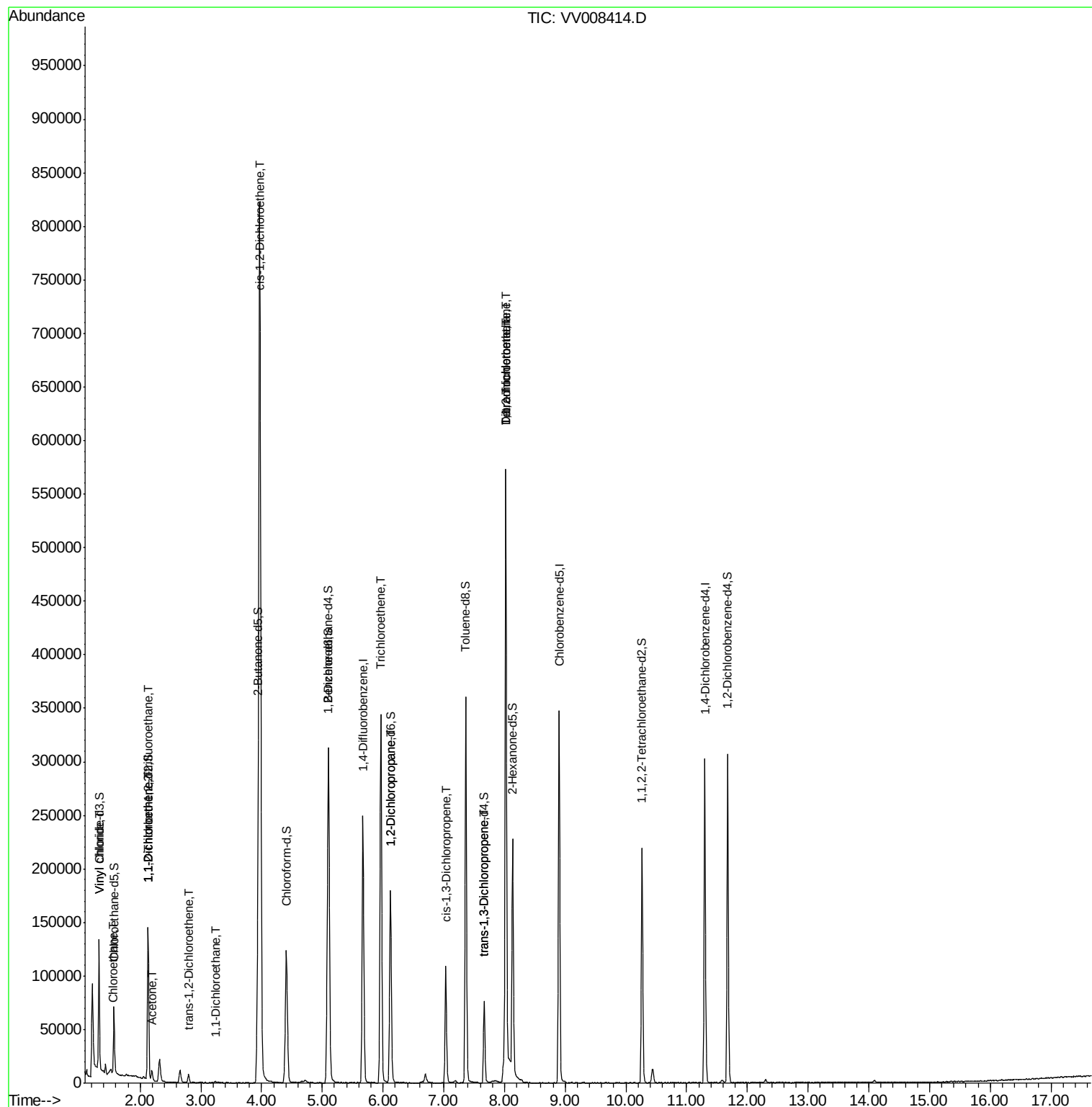
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

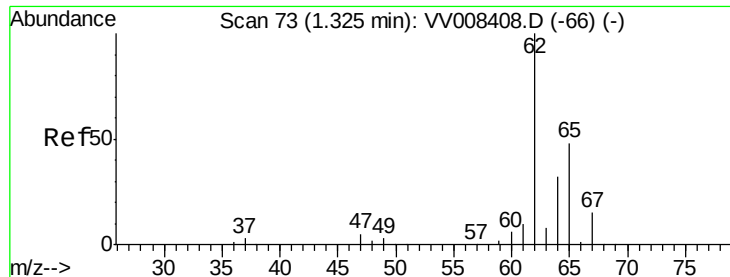
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV102518\
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Quant Title : VOC Analysis
QLast Update : Thu Oct 25 23:17:12 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 15.678 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008414.D

Acq: 25 Oct 2018 17:31

Instrument :

MSVOA_V

ClientSampleId :

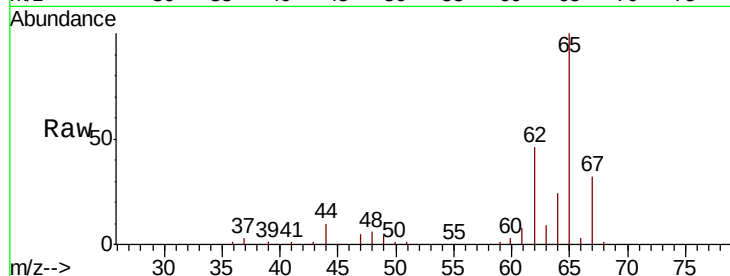
ETBP5

Tgt Ion: 62 Resp: 22678

Ion Ratio Lower Upper

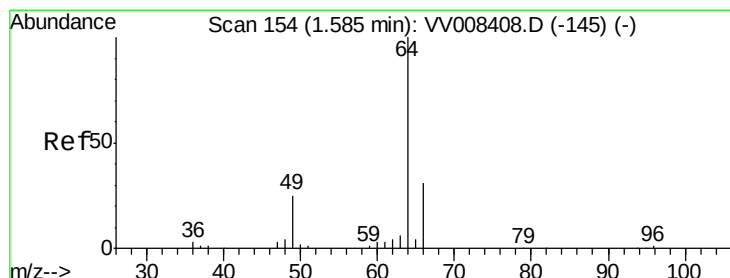
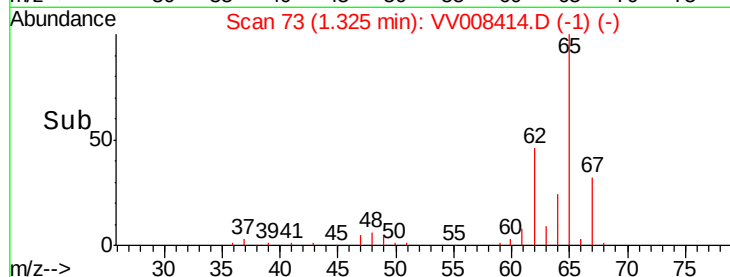
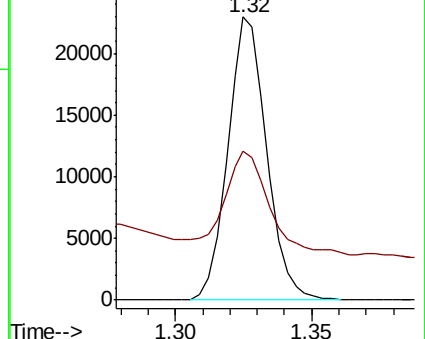
62 100

64 52.8 24.4 45.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 2.744 ug/L

RT: 1.55 min Scan# 143

Delta R.T. -0.04 min

Lab File: VV008414.D

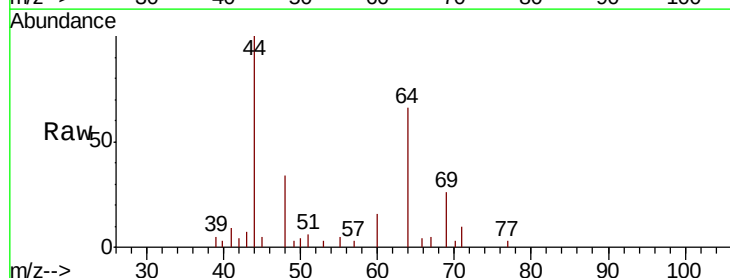
Acq: 25 Oct 2018 17:31

Tgt Ion: 64 Resp: 2085

Ion Ratio Lower Upper

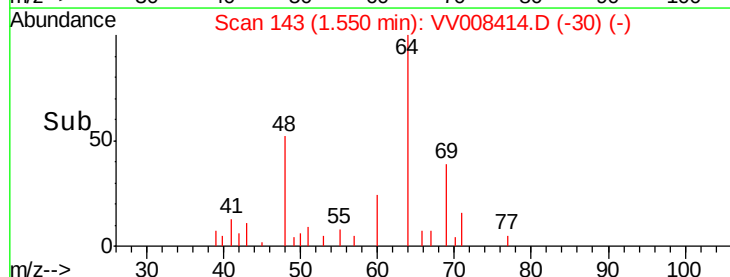
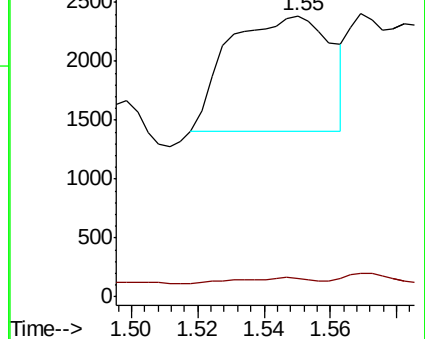
64 100

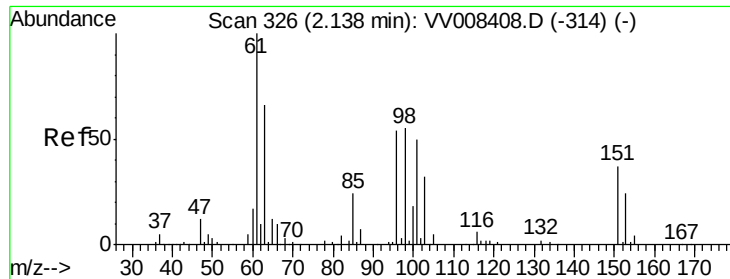
66 6.7 19.9 36.9#



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.629 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008414.D

Acq: 25 Oct 2018 17:31

Instrument :

MSVOA_V

ClientSampleId :

ETBP5

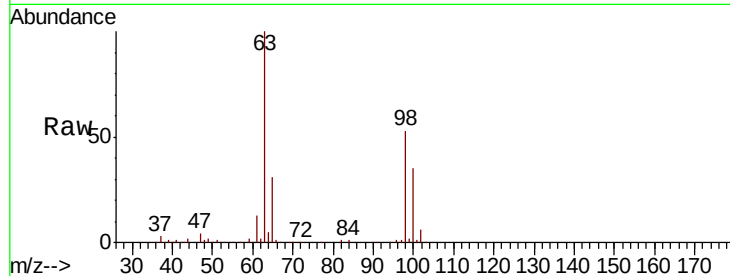
Tgt Ion: 101 Resp: 612

Ion Ratio Lower Upper

101 100

85 0.0 35.6 53.4#

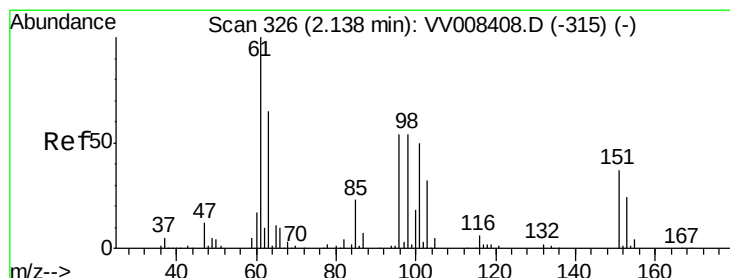
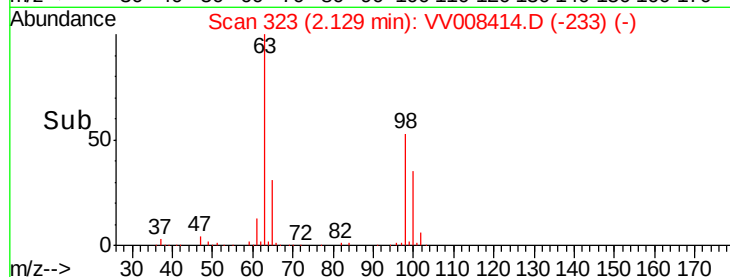
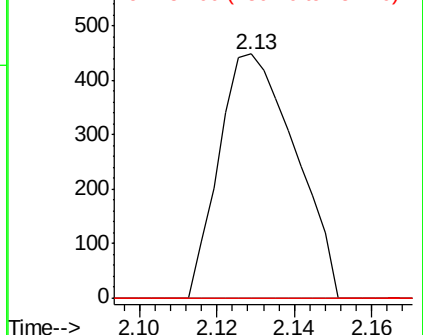
151 0.0 58.1 87.1#



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: 1.976 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV008414.D

Acq: 25 Oct 2018 17:31

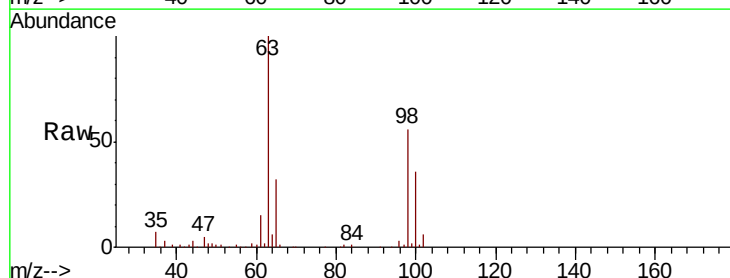
Tgt Ion: 96 Resp: 1809

Ion Ratio Lower Upper

96 100

61 517.9 130.3 242.1#

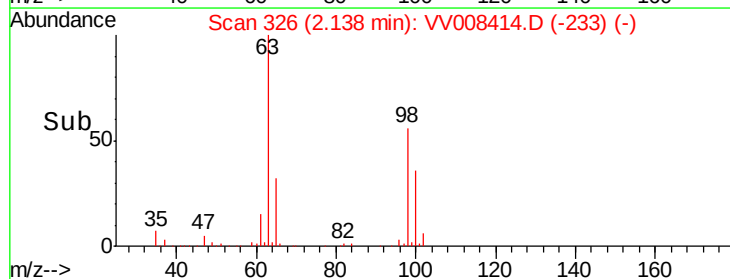
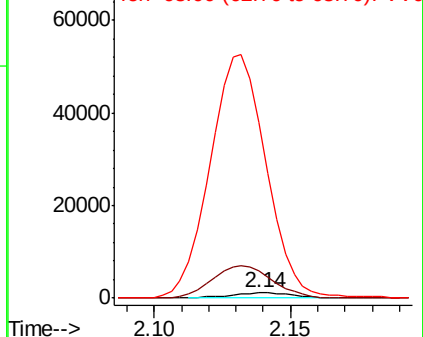
63 3374.8 84.4 156.8#

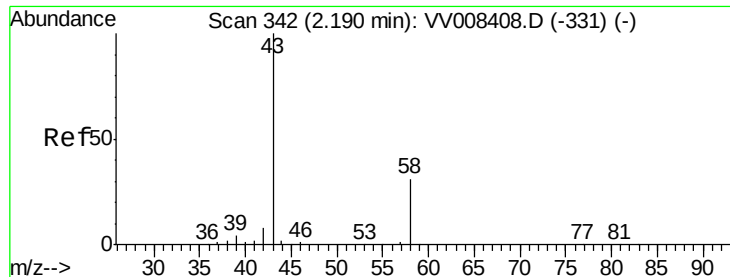


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 7.705 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008414.D

Acq: 25 Oct 2018 17:31

Instrument :

MSVOA_V

ClientSampled :

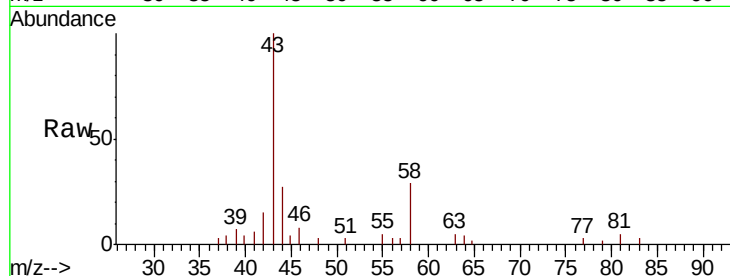
ETBP5

Tgt Ion: 43 Resp: 7344

Ion Ratio Lower Upper

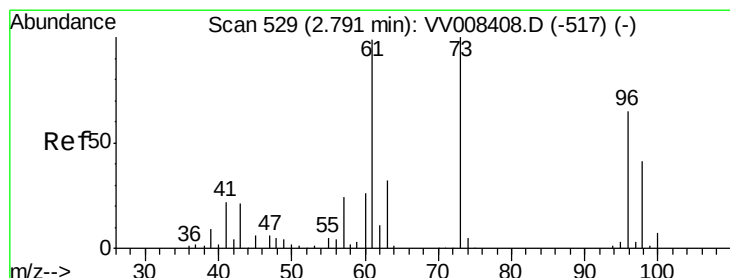
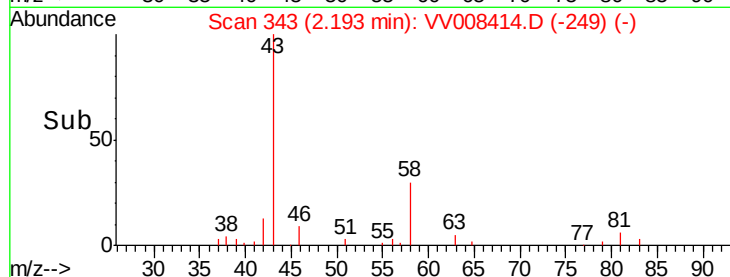
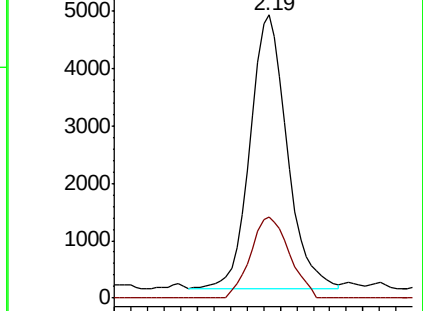
43 100

58 31.3 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008414.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV008414.D (-249) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.085 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008414.D

Acq: 25 Oct 2018 17:31

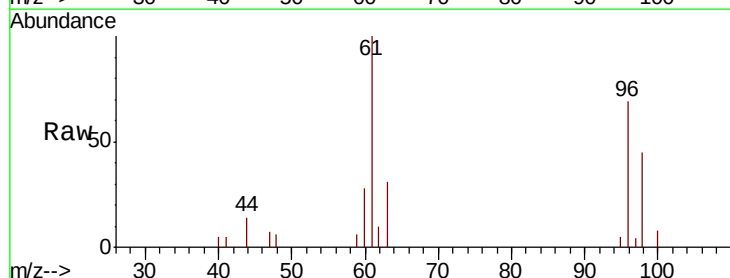
Tgt Ion: 96 Resp: 2911

Ion Ratio Lower Upper

96 100

61 146.0 108.6 201.6

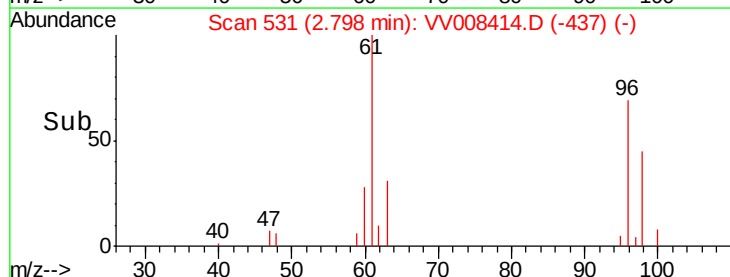
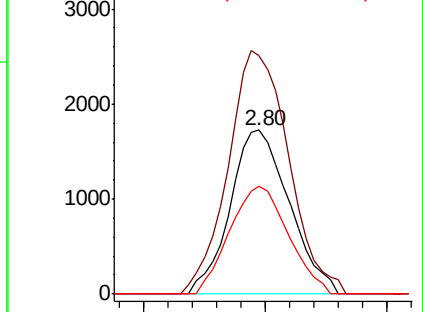
98 65.8 44.3 82.3

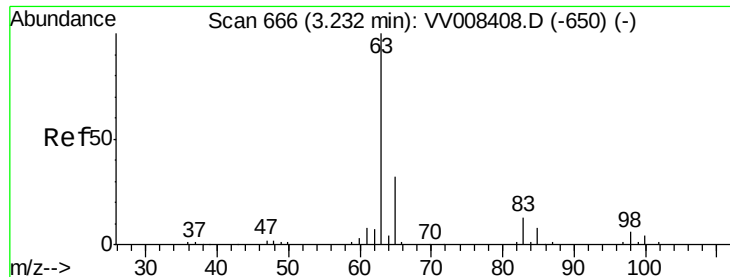


Abundance Ion 96.00 (95.70 to 96.70): VV008414.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008414.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008414.D (-437) (-)

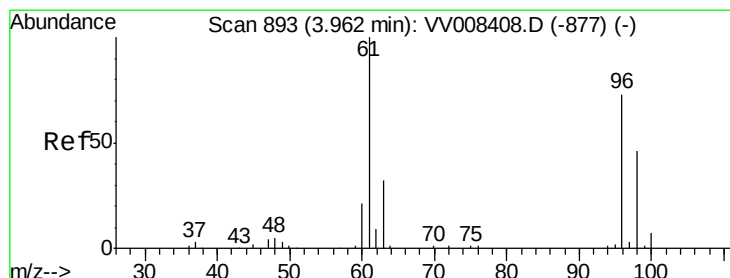
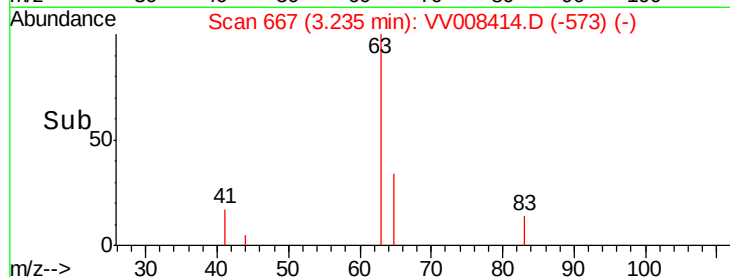
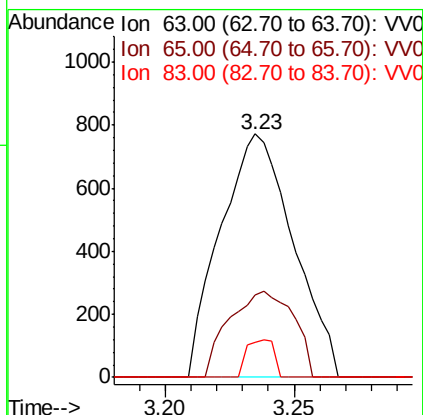
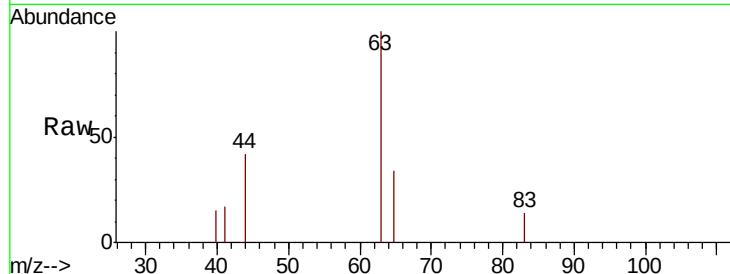




#19
 1,1-Dichloroethane
 Concen: 0.527 ug/L
 RT: 3.23 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VV008414.D
 Acq: 25 Oct 2018 17:31

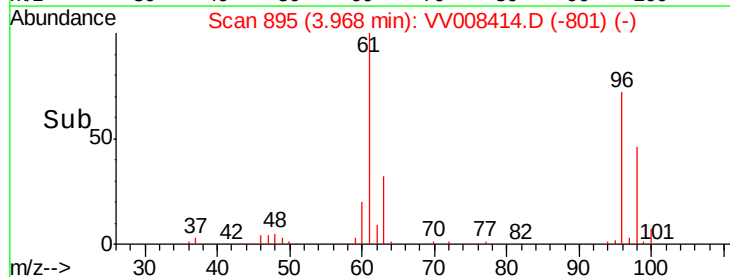
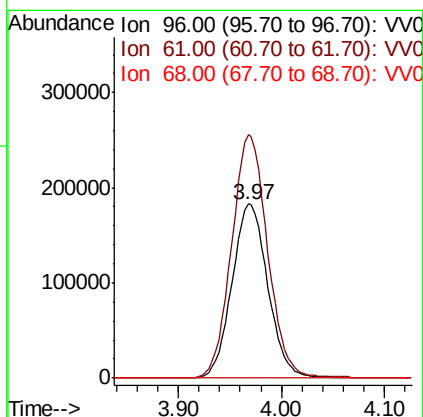
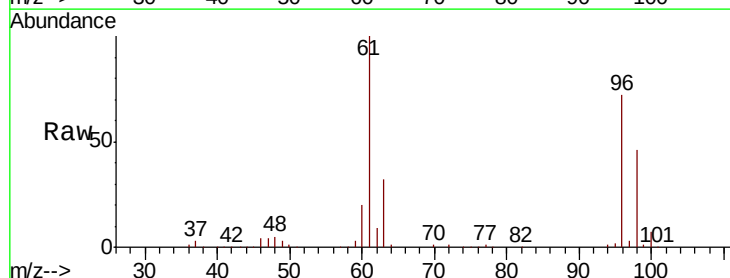
Instrument :
 MSVOA_V
 ClientSampleId :
 ETBP5

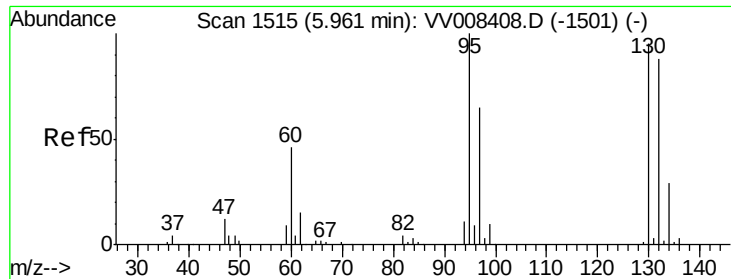
Tgt Ion: 63 Resp: 1517
 Ion Ratio Lower Upper
 63 100
 65 33.7 22.0 40.8
 83 14.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 278.393 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008414.D
 Acq: 25 Oct 2018 17:31

Tgt Ion: 96 Resp: 442711
 Ion Ratio Lower Upper
 96 100
 61 139.7 100.9 187.5
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 81.113 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008414.D

Acq: 25 Oct 2018 17:31

Instrument :

MSVOA_V

ClientSampleId :

ETBP5

Tgt Ion: 95 Resp: 124517

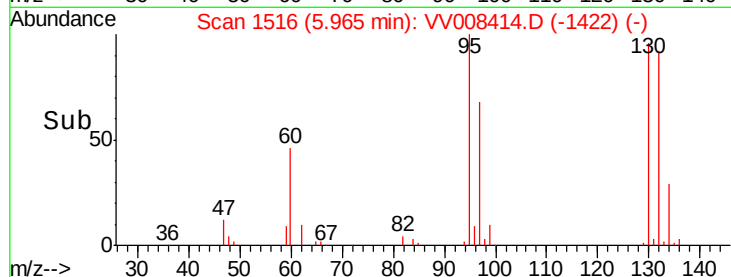
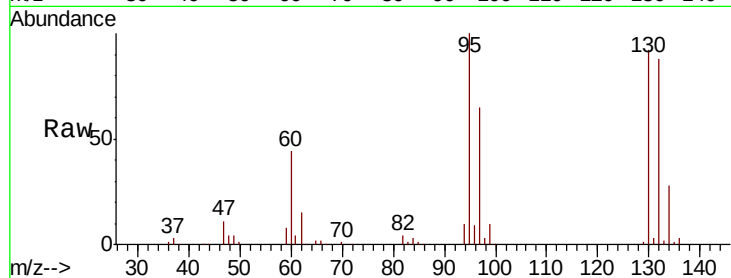
Ion Ratio Lower Upper

95 100

97 65.2 45.2 84.0

132 87.9 63.8 118.6

130 92.2 64.7 120.1

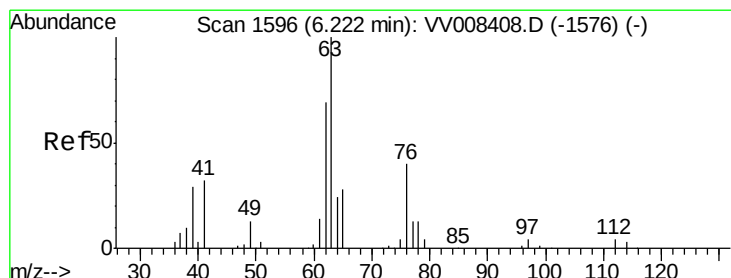
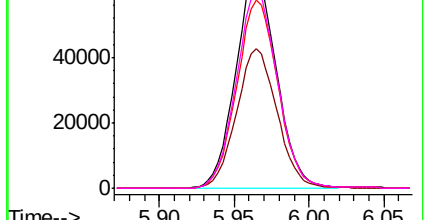


Abundance Ion 95.00 (94.70 to 95.70): VV008414.D (-1422) (-)

Ion 97.00 (96.70 to 97.70): VV008414.D (-1422) (-)

Ion 132.00 (131.70 to 132.70): VV008414.D (-1422) (-)

Ion 130.00 (129.70 to 130.70): VV008414.D (-1422) (-)



#37

1,2-Dichloropropane

Concen: 5.839 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.11 min

Lab File: VV008414.D

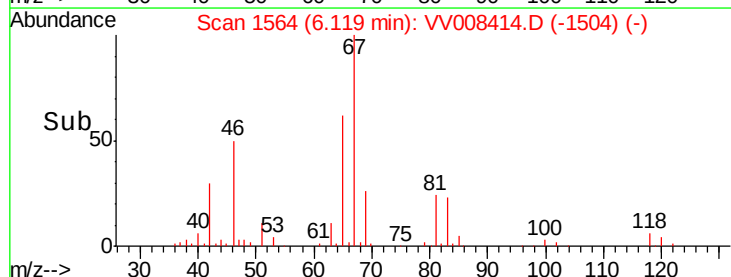
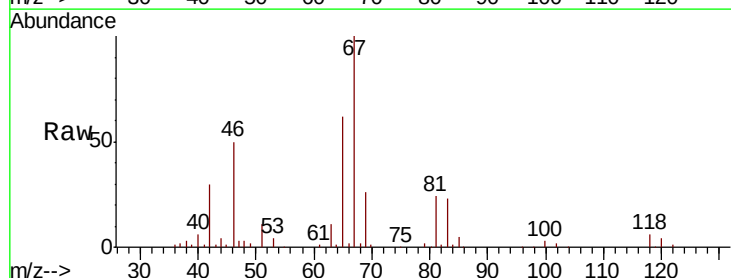
Acq: 25 Oct 2018 17:31

Tgt Ion: 63 Resp: 9670

Ion Ratio Lower Upper

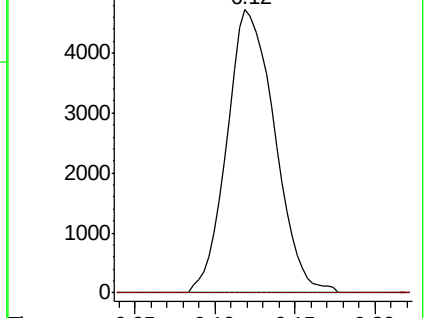
63 100

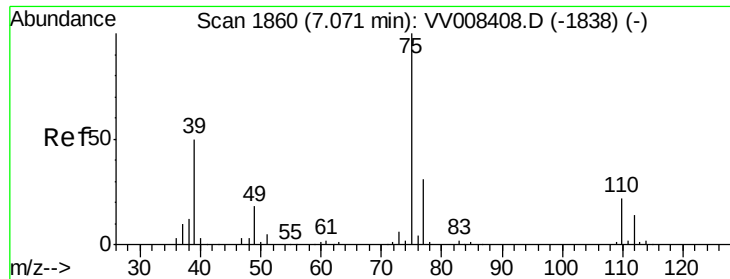
112 0.0 2.9 4.3#



Abundance Ion 63.00 (62.70 to 63.70): VV008414.D (-1504) (-)

Ion 112.00 (111.70 to 112.70): VV008414.D (-1504) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.961 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV008414.D

Acq: 25 Oct 2018 17:31

Instrument :

MSVOA_V

ClientSampleId :

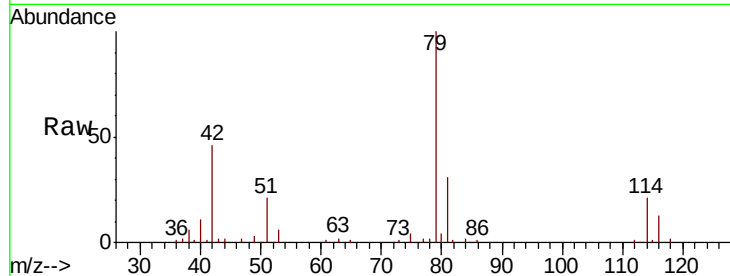
ETBP5

Tgt Ion: 75 Resp: 2503

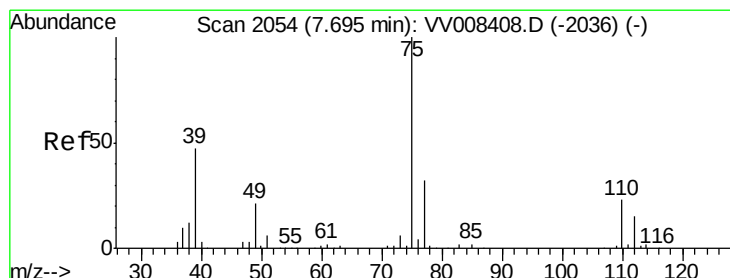
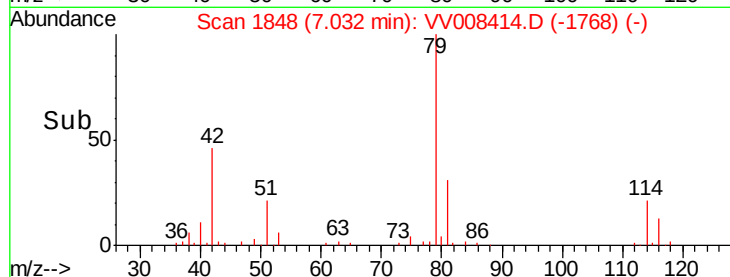
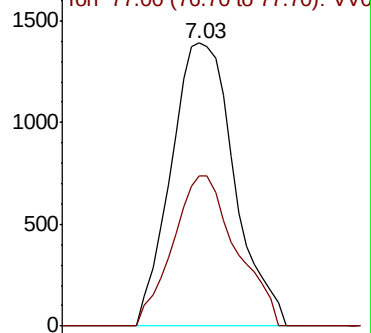
Ion Ratio Lower Upper

75 100

77 53.3 22.6 42.0#



Abundance Ion 75.00 (74.70 to 75.70): VV008414.D (-1768) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.698 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV008414.D

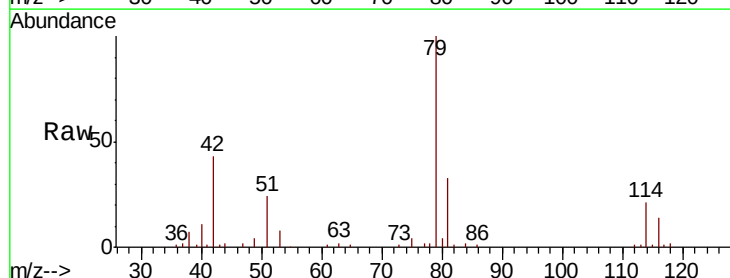
Acq: 25 Oct 2018 17:31

Tgt Ion: 75 Resp: 1701

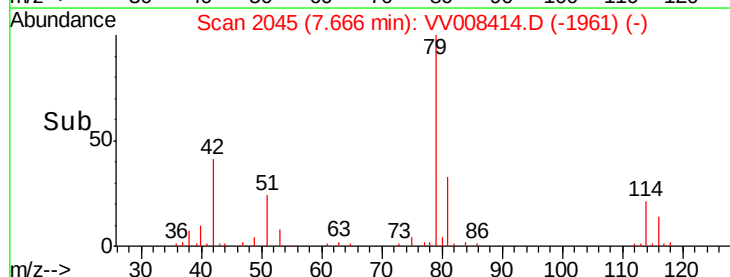
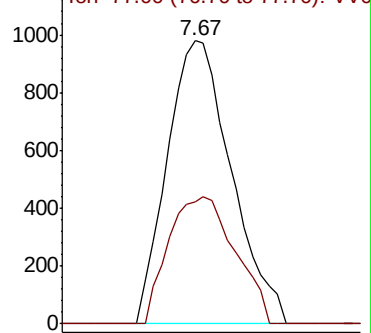
Ion Ratio Lower Upper

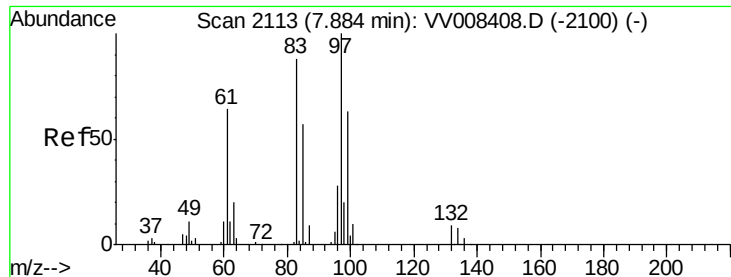
75 100

77 43.3 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VV008414.D (-1961) (-)

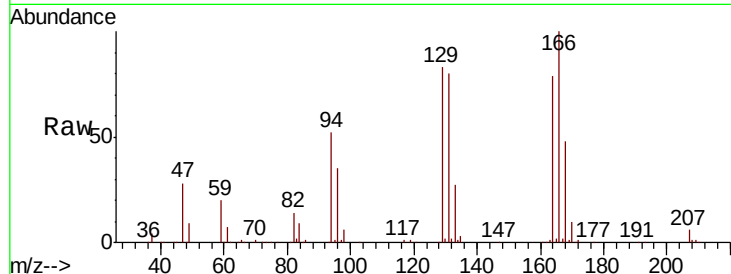




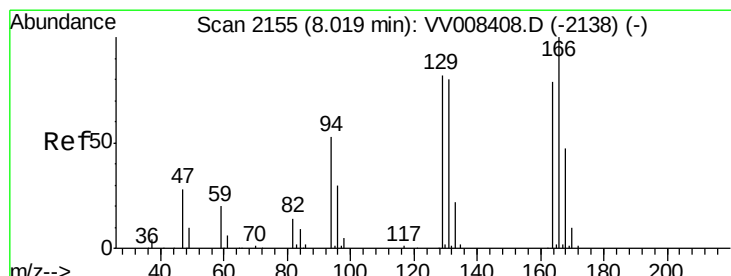
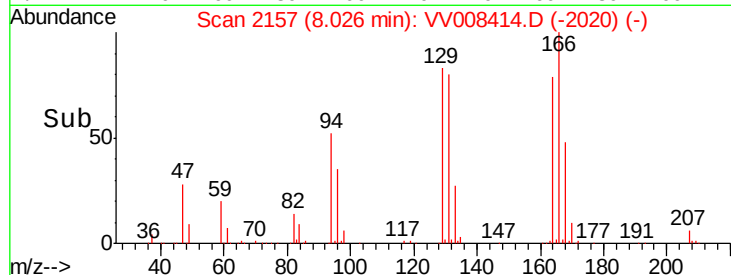
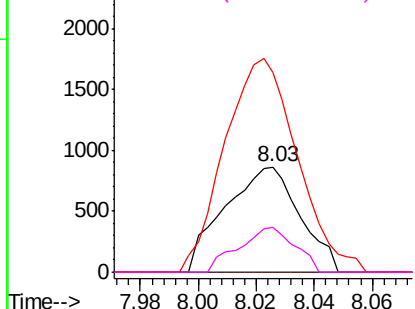
#45
 1,1,2-Trichloroethane
 Concen: 1.059 ug/L
 RT: 8.03 min Scan# 2157
 Delta R.T. 0.14 min
 Lab File: VV008414.D
 Acq: 25 Oct 2018 17:31

Instrument :
 MSVOA_V
 ClientSampleId :
 ETBP5

Tgt Ion: 97 Resp: 1551
 Ion Ratio Lower Upper
 97 100
 99 0.0 43.3 80.3#
 83 190.3 61.9 114.9#
 85 42.1 40.9 75.9

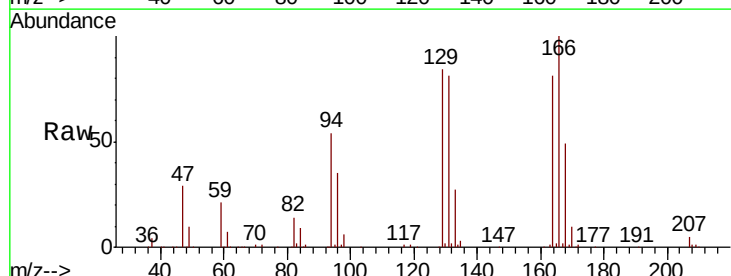


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

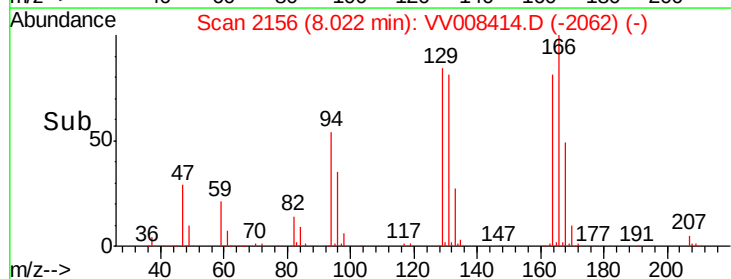
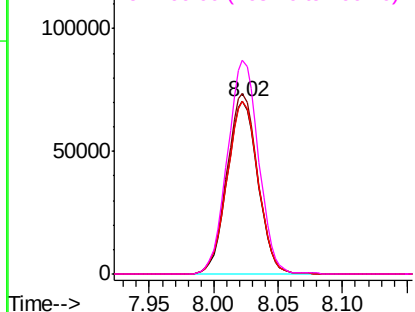


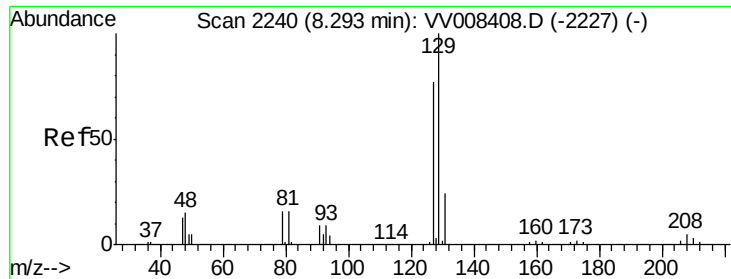
#46
 Tetrachloroethene
 Concen: 116.769 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008414.D
 Acq: 25 Oct 2018 17:31

Tgt Ion: 164 Resp: 116857
 Ion Ratio Lower Upper
 164 100
 129 104.7 75.0 139.2
 131 100.1 71.3 132.3
 166 124.0 89.2 165.6



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V





#49

Dibromochloromethane

Concen: 75.104 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV008414.D

Acq: 25 Oct 2018 17:31

Instrument :

MSVOA_V

ClientSampleId :

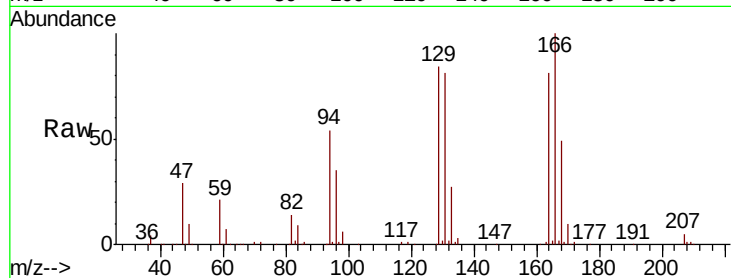
ETBP5

Tgt Ion:129 Resp: 118172

Ion Ratio Lower Upper

129 100

127 0.0 54.9 101.9#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

