

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
 Data File : VV007164.D
 Acq On : 24 Aug 2018 01:31
 Operator : SY/MD
 Sample : J4622-12
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETBK4

Quant Time: Aug 24 02:13:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:07:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	571502	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	554442	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	220609	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	209972	58.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	116.92%
7) Chloroethane-d5	1.57	69	125084	54.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.30%
11) 1,1-Dichloroethene-d2	2.13	63	222107	33.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.80%
21) 2-Butanone-d5	3.96	46	432189	141.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	141.39%#
24) Chloroform-d	4.41	84	354925	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
26) 1,2-Dichloroethane-d4	5.09	65	227804	48.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.80%
32) Benzene-d6	5.10	84	695919	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.32%
36) 1,2-Dichloropropane-d6	6.12	67	237869	46.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.34%
41) Toluene-d8	7.37	98	535308	39.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.96%#
43) trans-1,3-Dichloropropene-	7.67	79	94159	43.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.28%
47) 2-Hexanone-d5	8.14	63	213461	117.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.77%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	366472	49.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.84%
64) 1,2-Dichlorobenzene-d4	11.68	152	216917	48.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

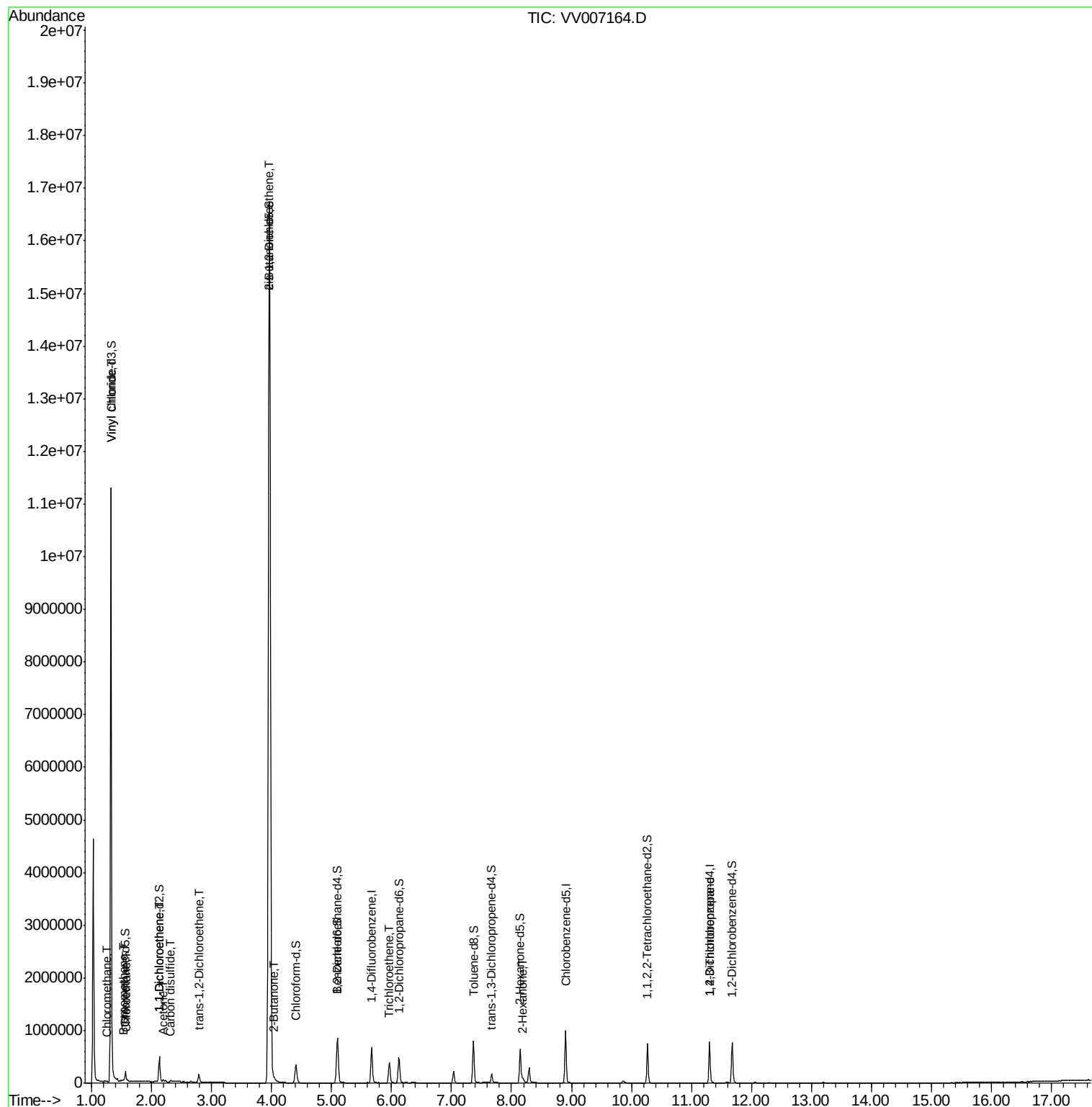
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.25	50	12849	1.943	ug/L	98
5) Vinyl chloride	1.32	62	7524301	1386.317	ug/L	95
6) Bromomethane	1.52	94	1687	1.307	ug/L	75
8) Chloroethane	1.59	64	49424	16.750	ug/L #	67
12) 1,1-Dichloroethene	2.14	96	45814	12.042	ug/L #	55
13) Acetone	2.20	43	35550	14.826	ug/L	97
14) Carbon disulfide	2.32	76	36611	3.155	ug/L #	91
17) trans-1,2-Dichloroethene	2.79	96	60592	14.687	ug/L	93
20) cis-1,2-Dichloroethene	3.97	96	9460755	1973.174	ug/L	97
22) 2-Butanone	4.05	43	26243	6.927	ug/L	96
34) Trichloroethene	5.96	95	132854	29.513	ug/L	98
48) 2-Hexanone	8.19	43	34281	6.879	ug/L #	87
59) 1,2,3-Trichloropropane	11.30	75	25077	3.829	ug/L	93

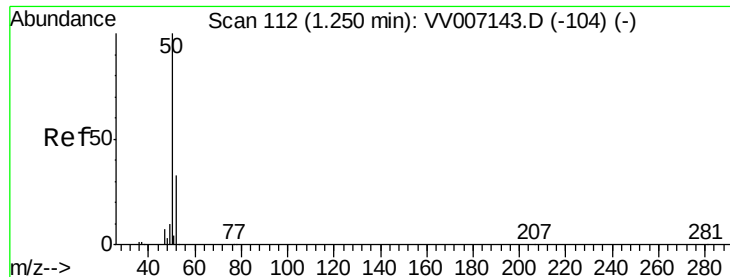
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.943 ug/L

RT: 1.25 min Scan# 113

Delta R.T. 0.00 min

Lab File: VV007164.D

Acq: 24 Aug 2018 01:31

Instrument :

MSVOA_V

ClientSampled :

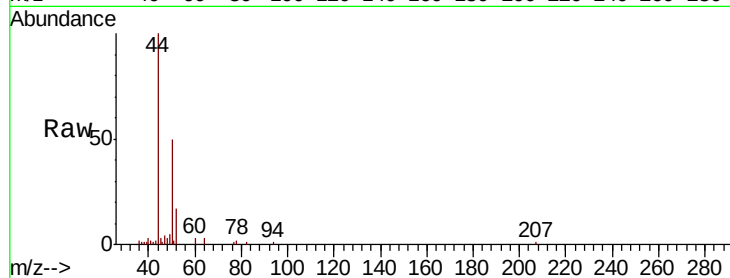
ETBK4

Tgt Ion: 50 Resp: 12849

Ion Ratio Lower Upper

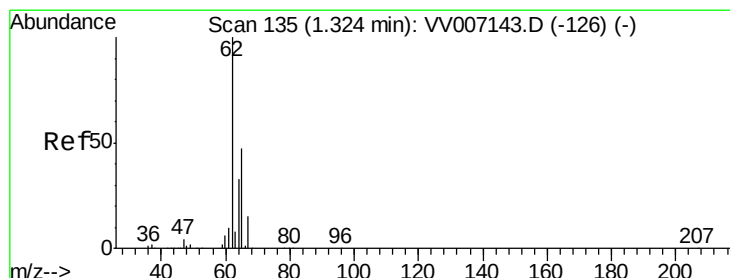
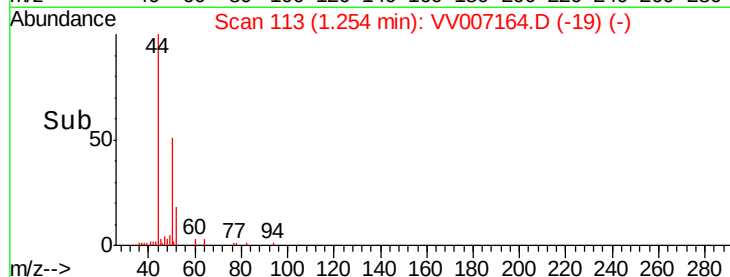
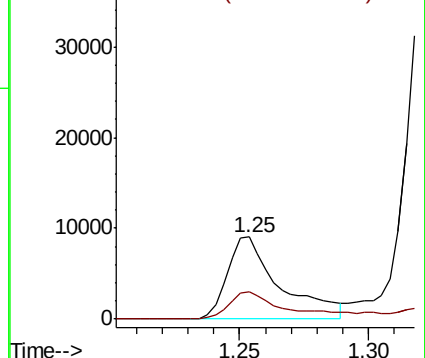
50 100

52 34.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#5

Vinyl chloride

Concen: 1386.317 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007164.D

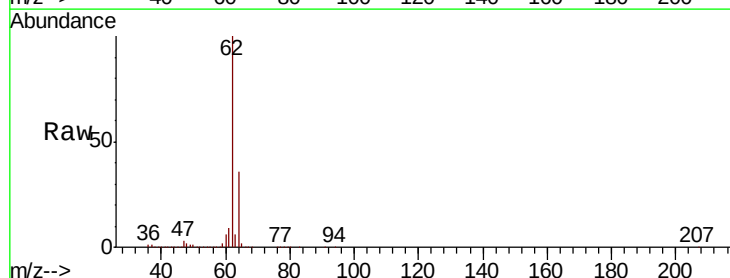
Acq: 24 Aug 2018 01:31

Tgt Ion: 62 Resp: 7524301

Ion Ratio Lower Upper

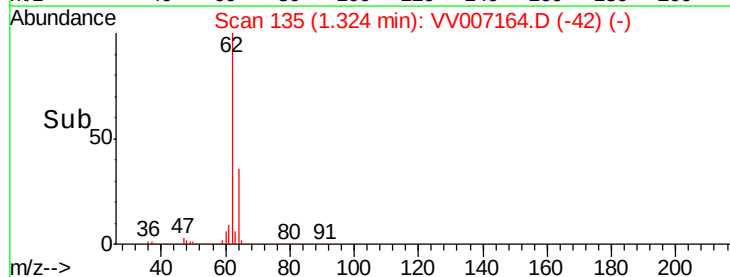
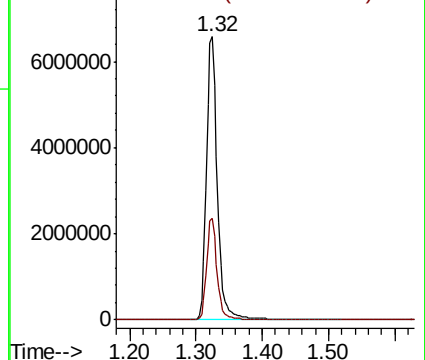
62 100

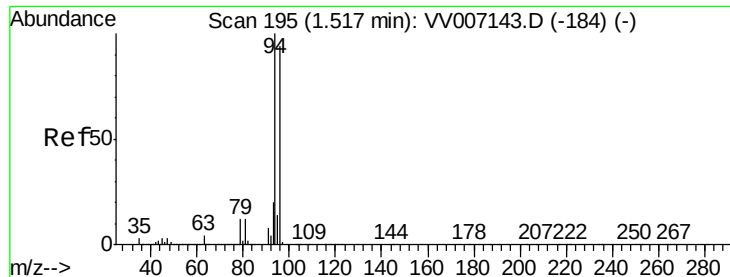
64 36.1 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0





#6

Bromomethane

Concen: 1.307 ug/L

RT: 1.52 min Scan# 197

Delta R.T. 0.01 min

Lab File: VV007164.D

Acq: 24 Aug 2018 01:31

Instrument :

MSVOA_V

ClientSampled :

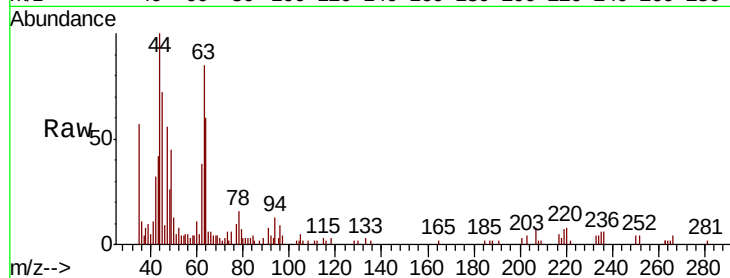
ETBK4

Tgt Ion: 94 Resp: 1687

Ion Ratio Lower Upper

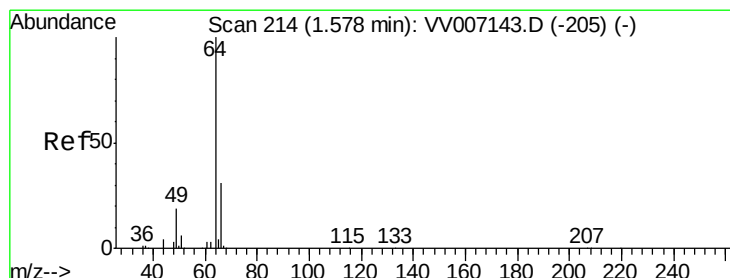
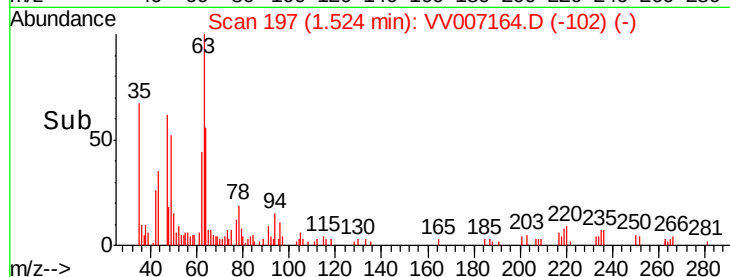
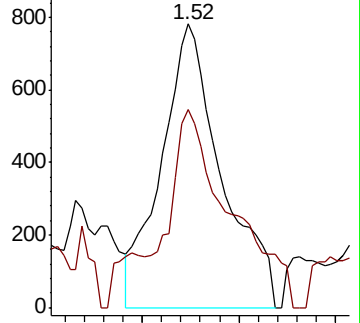
94 100

96 69.8 65.5 121.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#8

Chloroethane

Concen: 16.750 ug/L

RT: 1.59 min Scan# 217

Delta R.T. 0.01 min

Lab File: VV007164.D

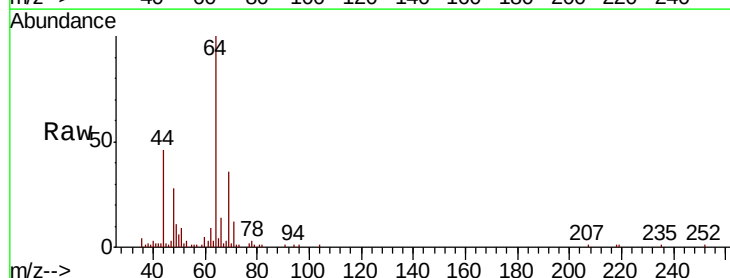
Acq: 24 Aug 2018 01:31

Tgt Ion: 64 Resp: 49424

Ion Ratio Lower Upper

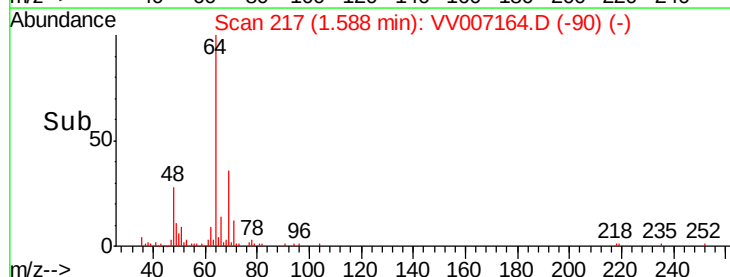
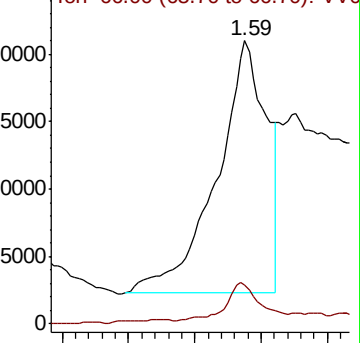
64 100

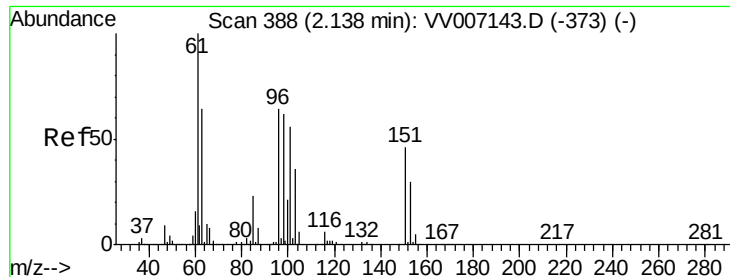
66 13.8 22.8 42.4#



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0

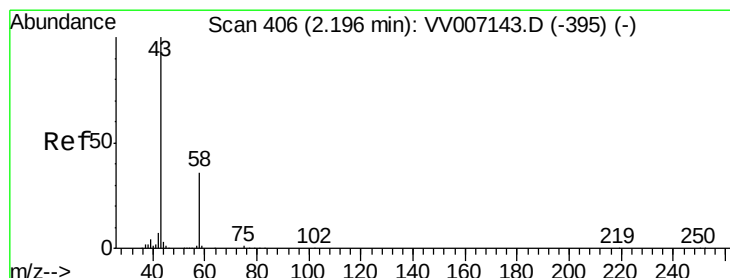
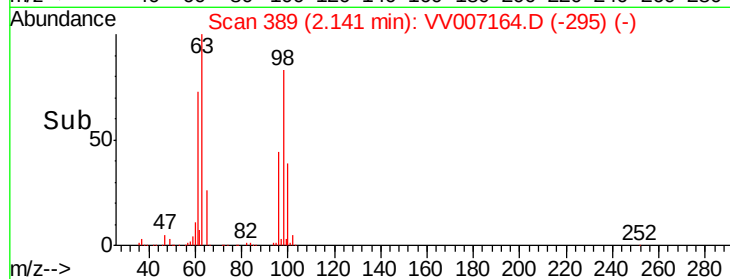
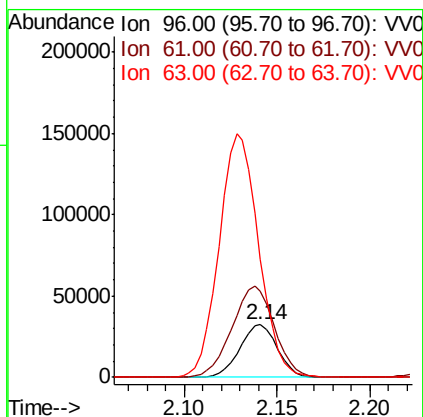
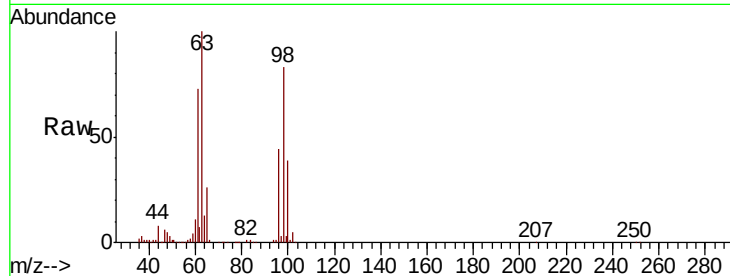




#12
 1,1-Dichloroethene
 Concen: 12.042 ug/L
 RT: 2.14 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VV007164.D
 Acq: 24 Aug 2018 01:31

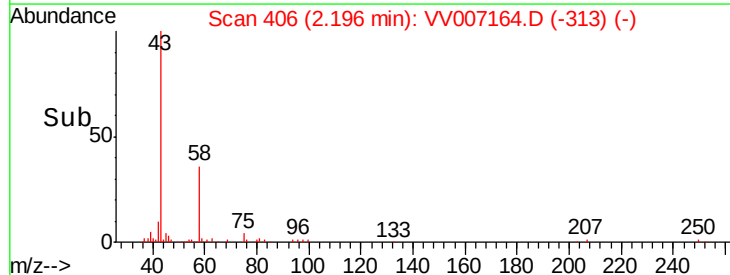
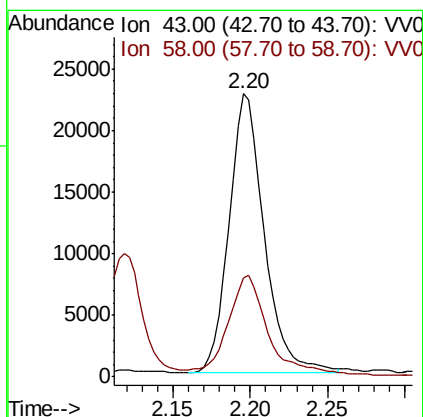
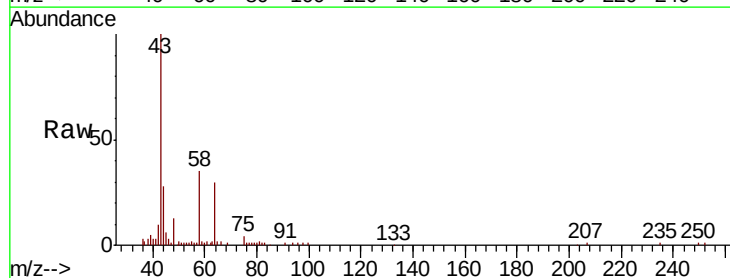
Instrument :
 MSVOA_V
 ClientSampleId :
 ETBK4

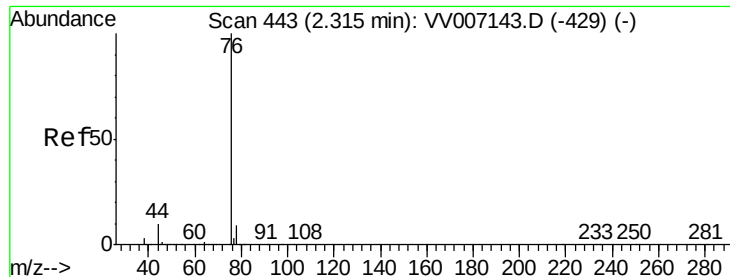
Tgt Ion: 96 Resp: 45814
 Ion Ratio Lower Upper
 96 100
 61 164.0 110.0 204.2
 63 224.9 81.8 152.0#



#13
 Acetone
 Concen: 14.826 ug/L
 RT: 2.20 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VV007164.D
 Acq: 24 Aug 2018 01:31

Tgt Ion: 43 Resp: 35550
 Ion Ratio Lower Upper
 43 100
 58 34.8 0.0 73.0





#14

Carbon disulfide

Concen: 3.155 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.01 min

Lab File: VV007164.D

Acq: 24 Aug 2018 01:31

Instrument :

MSVOA_V

ClientSampleId :

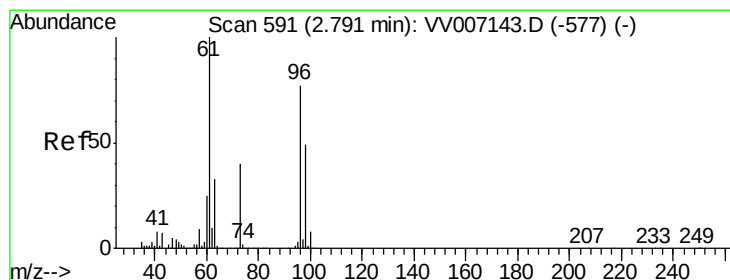
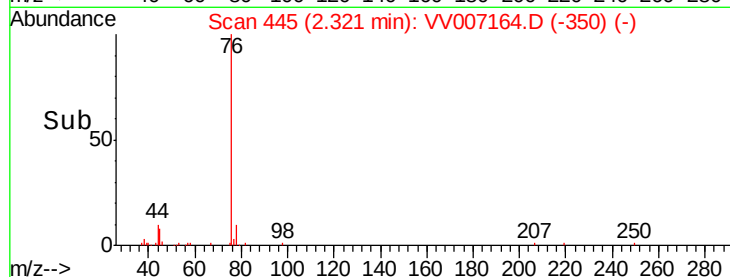
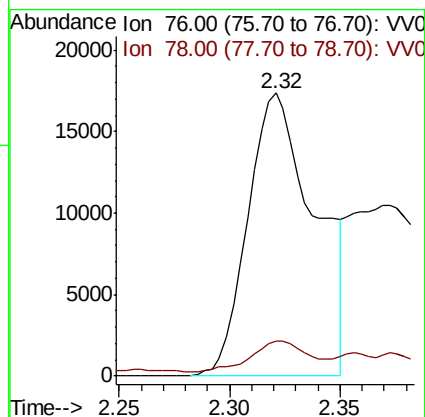
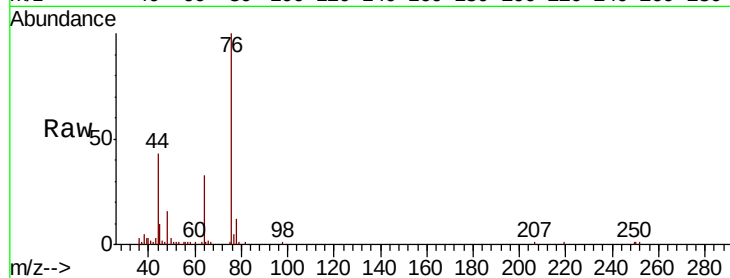
ETBK4

Tgt Ion: 76 Resp: 36611

Ion Ratio Lower Upper

76 100

78 12.3 7.2 10.8#



#17

trans-1,2-Dichloroethene

Concen: 14.687 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV007164.D

Acq: 24 Aug 2018 01:31

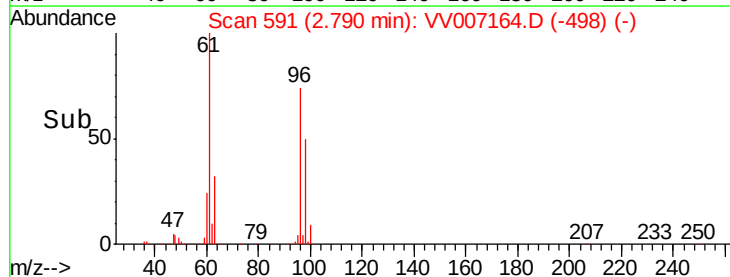
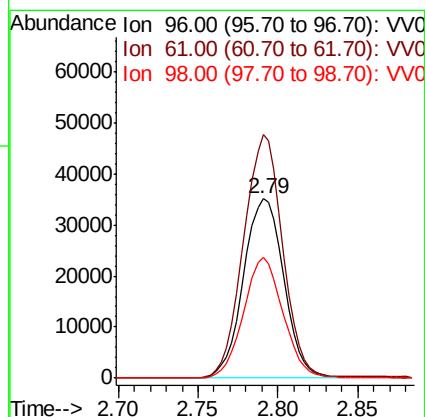
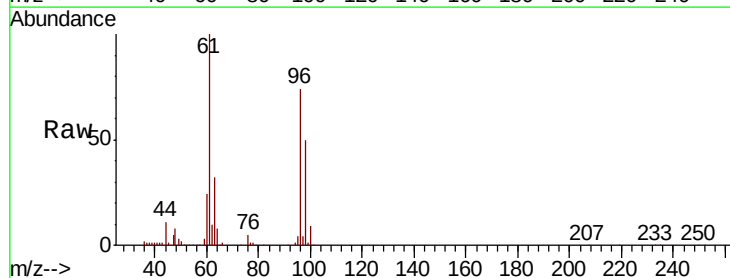
Tgt Ion: 96 Resp: 60592

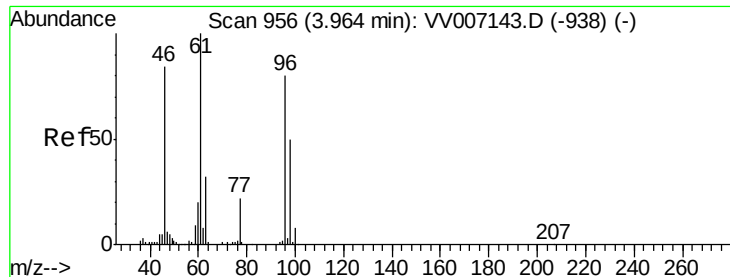
Ion Ratio Lower Upper

96 100

61 135.9 89.1 165.5

98 67.4 43.6 81.0

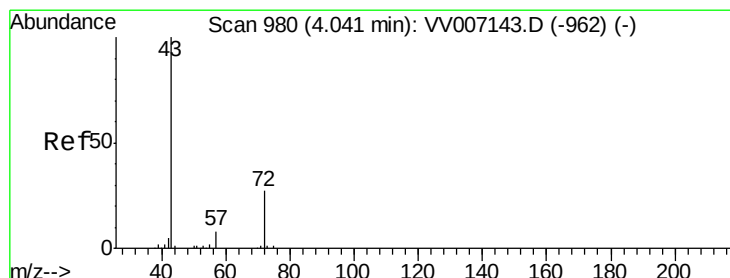
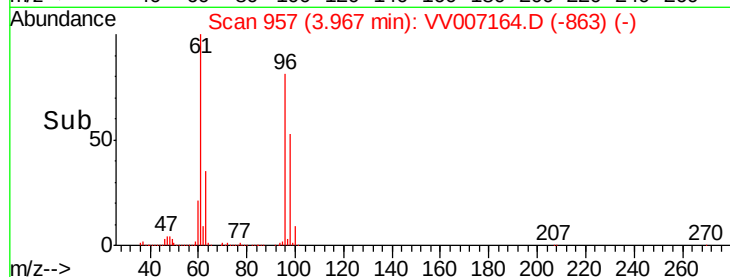
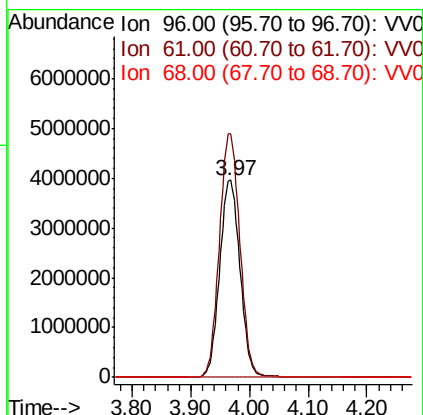
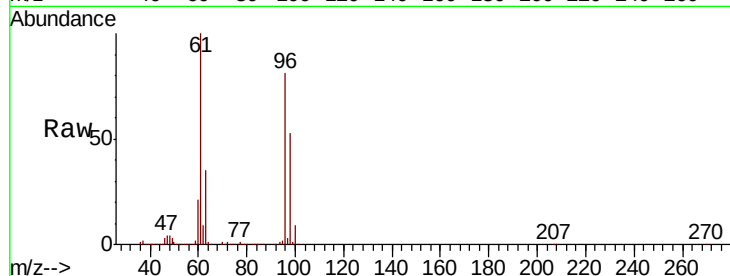




#20
 cis-1,2-Dichloroethene
 Concen: 1973.174 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007164.D
 Acq: 24 Aug 2018 01:31

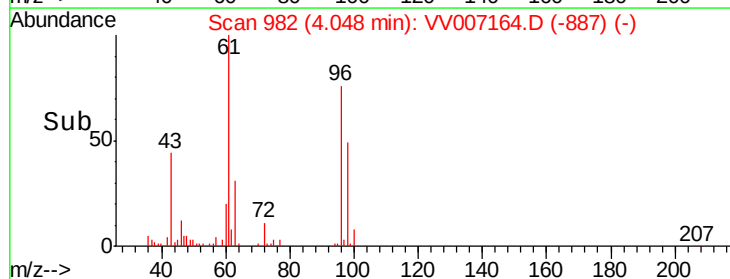
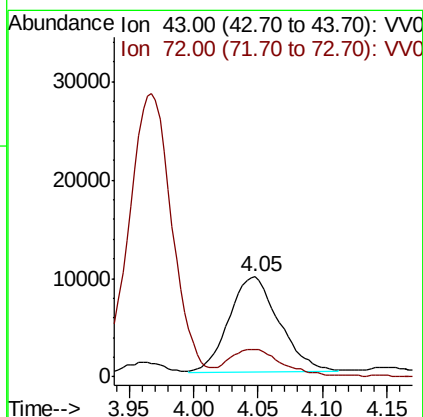
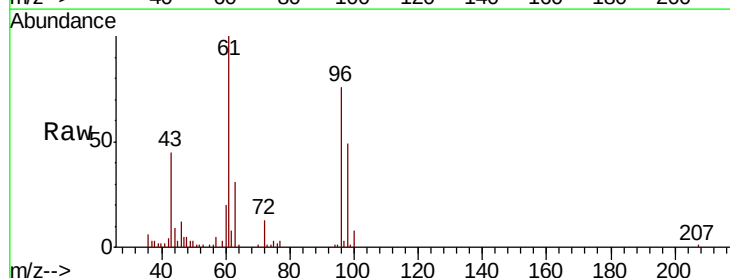
Instrument :
 MSVOA_V
 ClientSampled :
 ETBK4

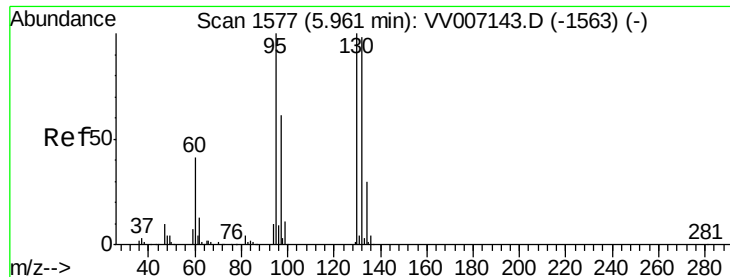
Tgt Ion: 96 Resp: 9460755
 Ion Ratio Lower Upper
 96 100
 61 123.3 89.0 165.4
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 6.927 ug/L
 RT: 4.05 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VV007164.D
 Acq: 24 Aug 2018 01:31

Tgt Ion: 43 Resp: 26243
 Ion Ratio Lower Upper
 43 100
 72 29.2 13.6 40.8





#34

Trichloroethene

Concen: 29.513 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007164.D

Acq: 24 Aug 2018 01:31

Instrument :

MSVOA_V

ClientSampleId :

ETBK4

Tgt Ion: 95 Resp: 132854

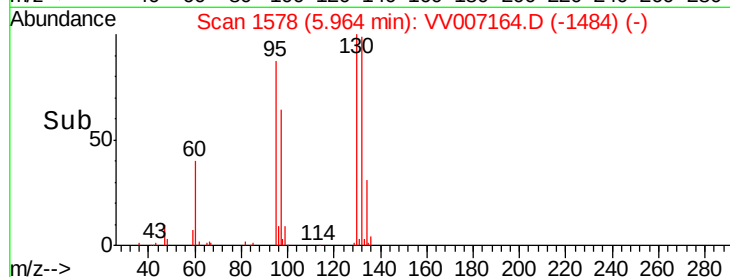
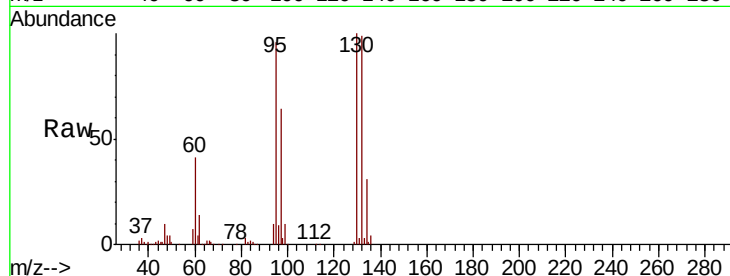
Ion Ratio Lower Upper

95 100

97 66.5 45.1 83.9

132 102.5 69.7 129.4

130 103.7 73.6 136.6

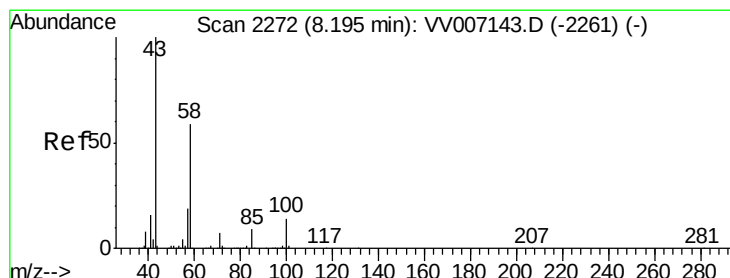
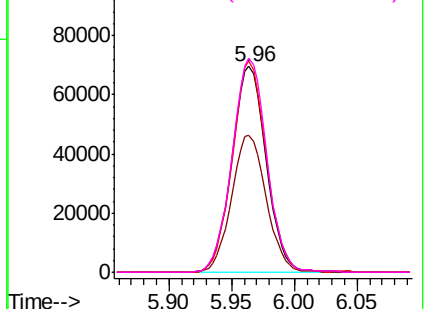


Abundance Ion 95.00 (94.70 to 95.70): VV007164.D (-1484) (-)

Ion 97.00 (96.70 to 97.70): VV007164.D (-1484) (-)

Ion 132.00 (131.70 to 132.70): VV007164.D (-1484) (-)

Ion 130.00 (129.70 to 130.70): VV007164.D (-1484) (-)



#48

2-Hexanone

Concen: 6.879 ug/L

RT: 8.19 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV007164.D

Acq: 24 Aug 2018 01:31

Tgt Ion: 43 Resp: 34281

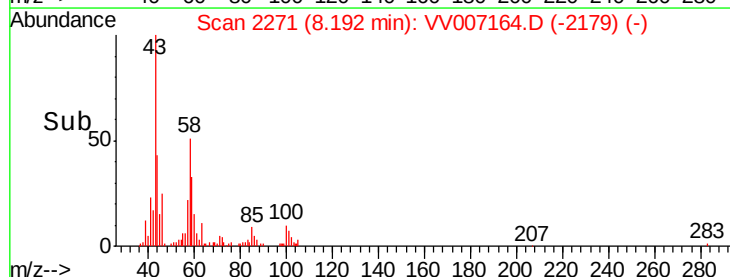
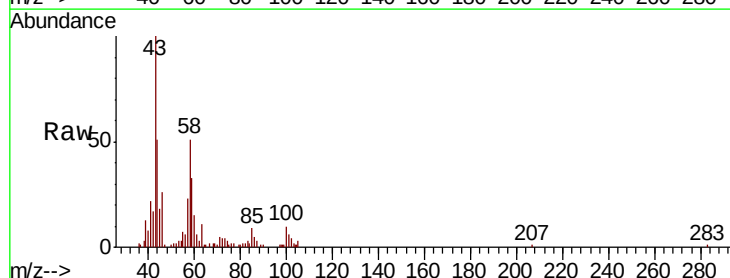
Ion Ratio Lower Upper

43 100

58 47.9 47.9 71.9#

57 23.8 15.8 23.8#

100 11.3 10.6 16.0

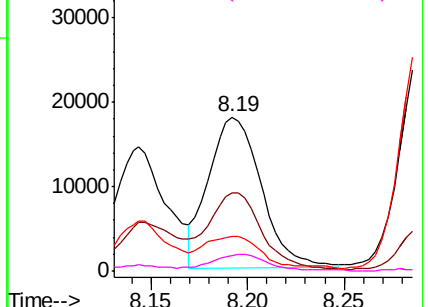


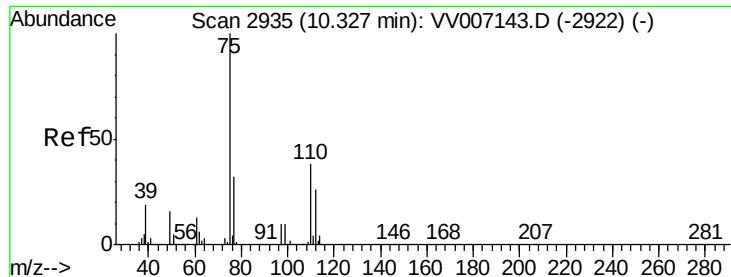
Abundance Ion 43.00 (42.70 to 43.70): VV007164.D (-2179) (-)

Ion 58.00 (57.70 to 58.70): VV007164.D (-2179) (-)

Ion 57.00 (56.70 to 57.70): VV007164.D (-2179) (-)

Ion 100.00 (99.70 to 100.70): VV007164.D (-2179) (-)





#59

1,2,3-Trichloropropane

Concen: 3.829 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.97 min

Lab File: VV007164.D

Acq: 24 Aug 2018 01:31

Instrument :

MSVOA_V

ClientSampleId :

ETBK4

Tgt Ion: 75 Resp: 25077

Ion Ratio Lower Upper

75 100

77 36.4 25.8 38.8

