

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV071818\
 Data File : VV006641.D
 Acq On : 18 Jul 2018 21:15
 Operator : SY/MD
 Sample : J3983-07
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01067

Quant Time: Jul 19 02:41:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 19 02:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	245977	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	224830	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101958	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99799	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	83435	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.13	63	131079	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	3.95	46	244501	74.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	148.50%#
24) Chloroform-d	4.41	84	169326	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.09	65	84362	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.60%
32) Benzene-d6	5.10	84	356807	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.12	67	113875	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.37	98	310801	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	7.67	79	36610	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.14	63	216118	48.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.12%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	85234	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	115600	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

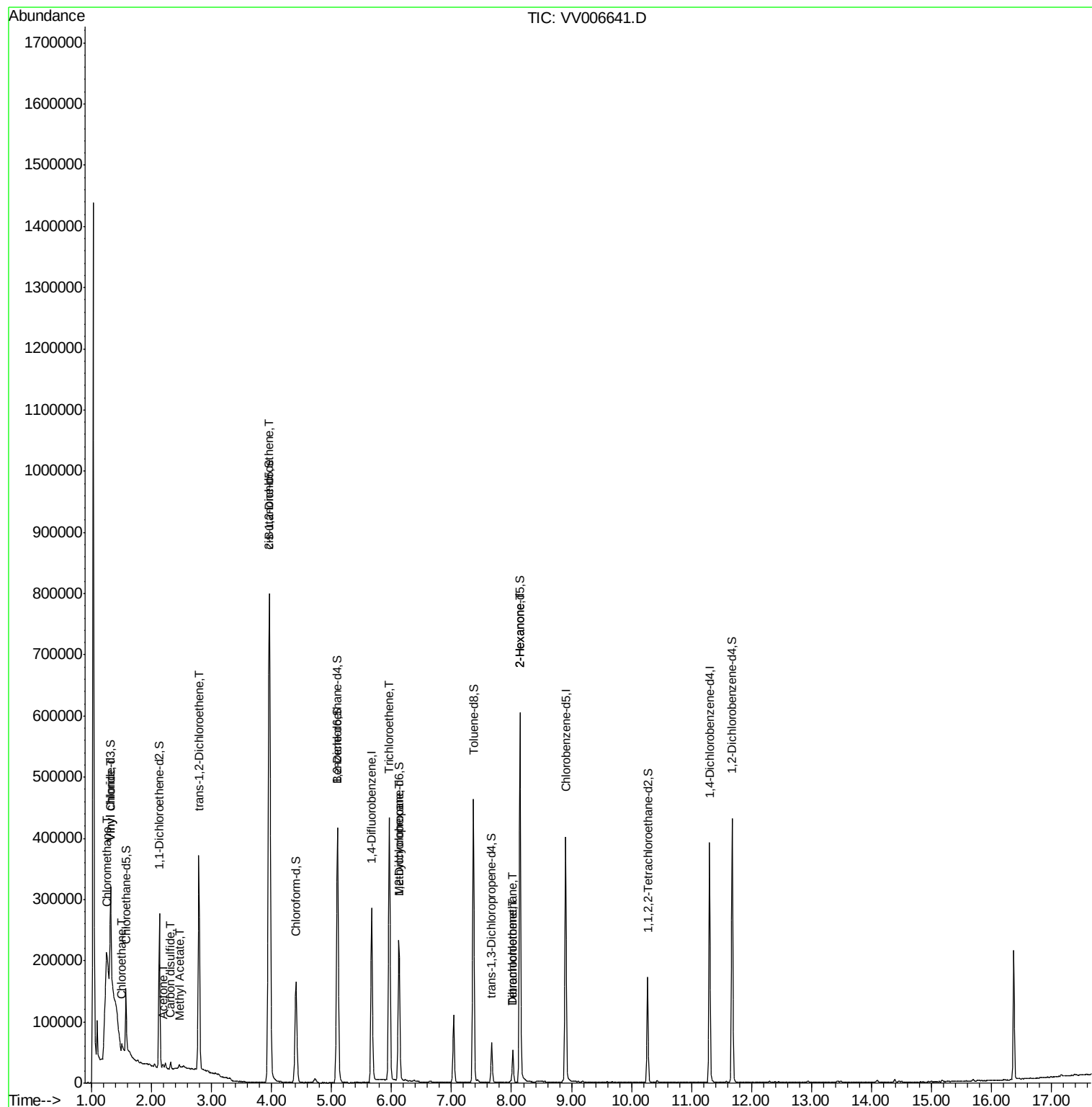
					Qvalue
3) Chloromethane	1.26	50	10431	0.376 ug/L #	49
5) Vinyl chloride	1.32	62	15046	0.509 ug/L #	1
8) Chloroethane	1.51	64	16965	1.022 ug/L #	51
13) Acetone	2.19	43	2948	0.897 ug/L	97
14) Carbon disulfide	2.32	76	13890	0.229 ug/L	98
15) Methyl Acetate	2.46	43	4263	0.420 ug/L #	86
18) trans-1,2-Dichloroethene	2.79	96	130045	6.005 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	385752	16.978 ug/L	99
34) Trichloroethene	5.96	95	148835	7.136 ug/L	99
35) Methylcyclohexane	6.12	83	26694	0.809 ug/L #	18
47) Tetrachloroethene	8.02	164	12191	0.732 ug/L	98
48) 2-Hexanone	8.14	43	22141	2.513 ug/L #	62
49) Dibromochloromethane	8.02	129	10545	0.691 ug/L #	11

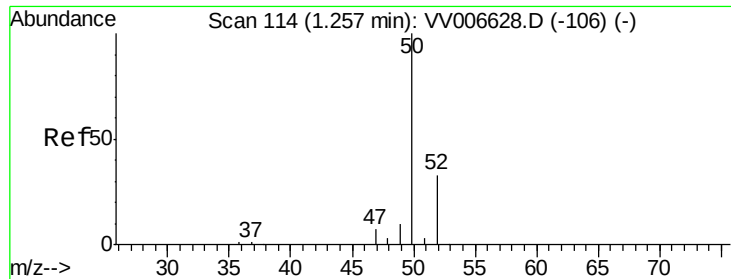
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.376 ug/L

RT: 1.26 min Scan# 114

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

Instrument :

MSVOA_V

ClientSampleId :

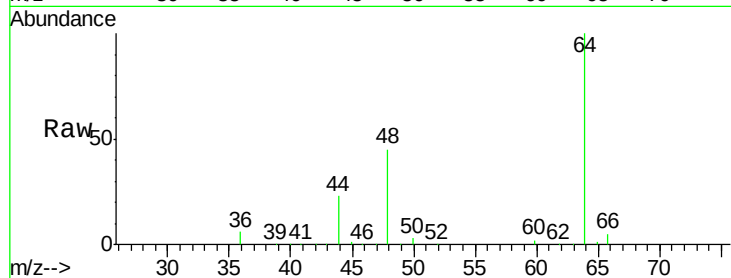
VSTD01067

Tgt Ion: 50 Resp: 10431

Ion Ratio Lower Upper

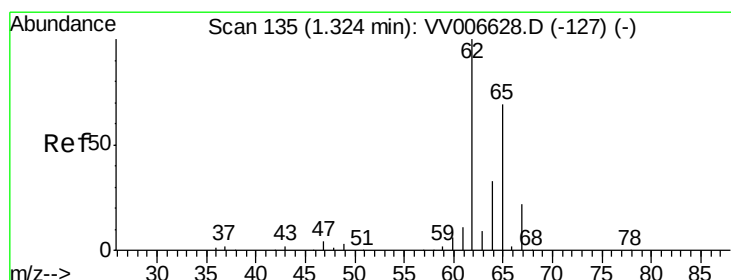
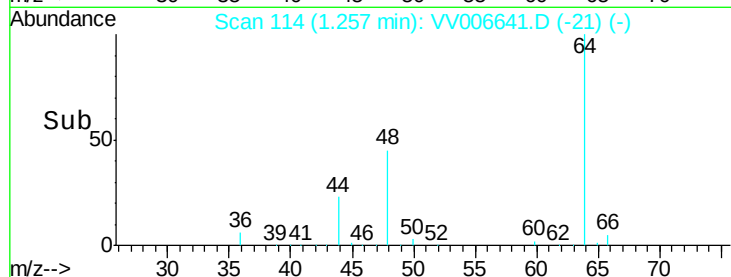
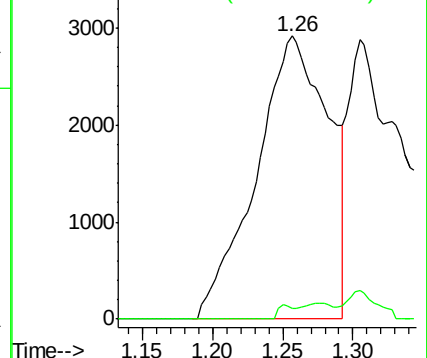
50 100

52 3.8 22.6 42.0#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.509 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006641.D

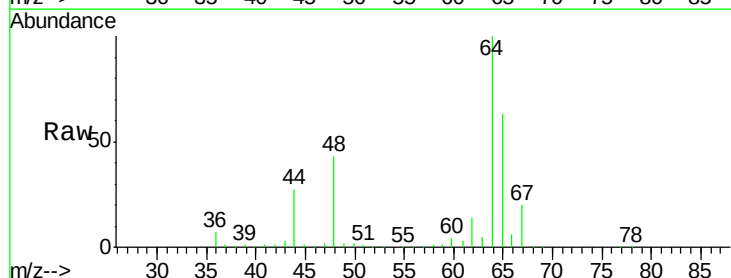
Acq: 18 Jul 2018 21:15

Tgt Ion: 62 Resp: 15046

Ion Ratio Lower Upper

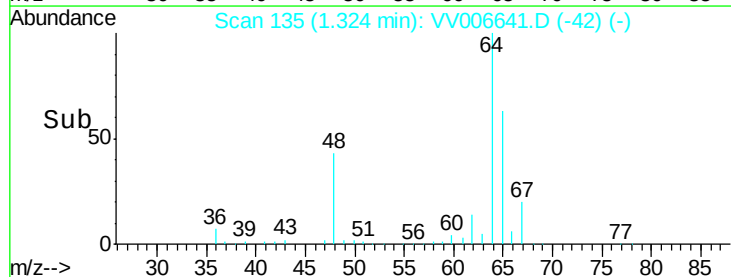
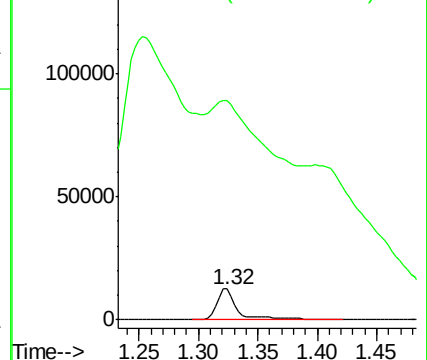
62 100

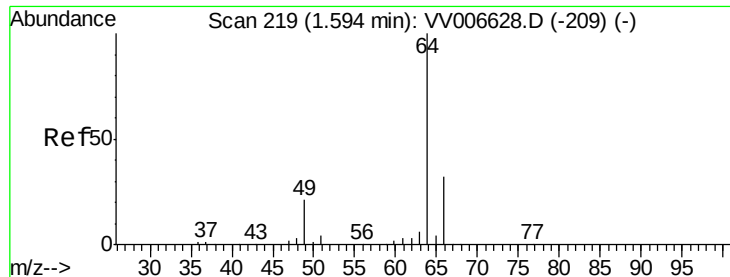
64 706.9 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 1.022 ug/L

RT: 1.51 min Scan# 192

Delta R.T. -0.09 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

Instrument :

MSVOA_V

ClientSampleId :

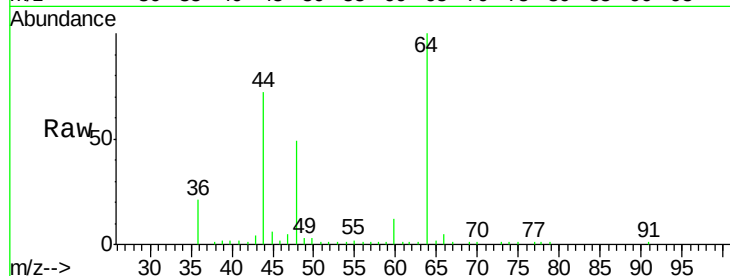
VSTD01067

Tgt Ion: 64 Resp: 16965

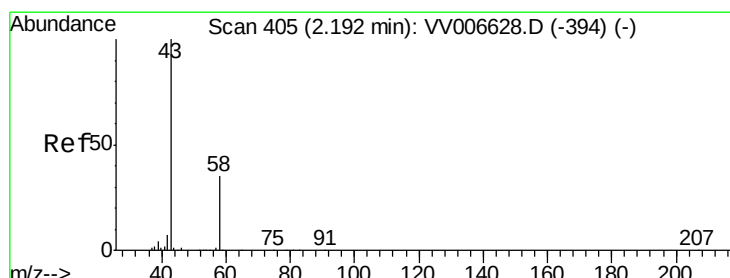
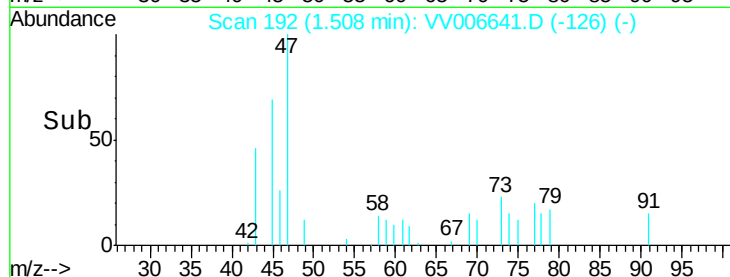
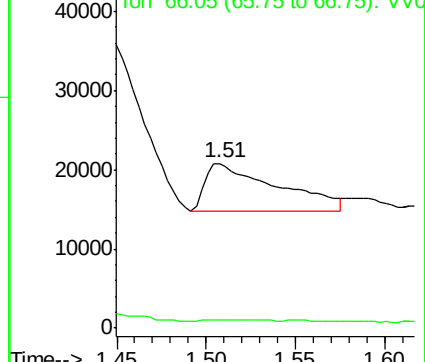
Ion Ratio Lower Upper

64 100

66 4.8 22.5 41.9#



Abundance Ion 64.10 (63.80 to 64.80): VV006641.D (-126) (-)



#13

Acetone

Concen: 0.897 ug/L

RT: 2.19 min Scan# 405

Delta R.T. -0.00 min

Lab File: VV006641.D

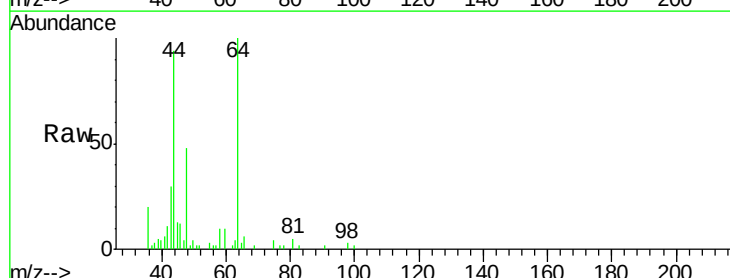
Acq: 18 Jul 2018 21:15

Tgt Ion: 43 Resp: 2948

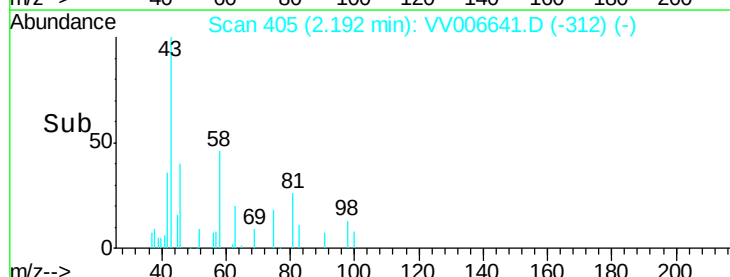
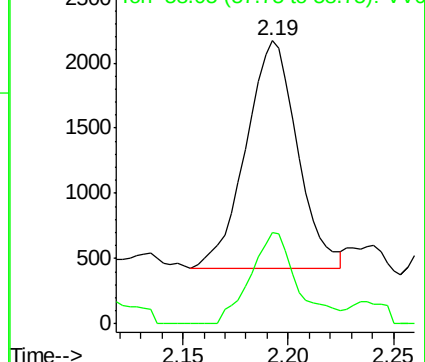
Ion Ratio Lower Upper

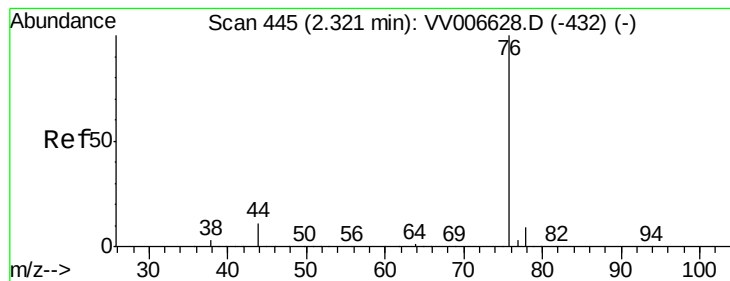
43 100

58 37.1 0.0 70.8



Abundance Ion 43.05 (42.75 to 43.75): VV006641.D (-312) (-)





#14

Carbon disulfide

Concen: 0.229 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

Instrument :

MSVOA_V

ClientSampleId :

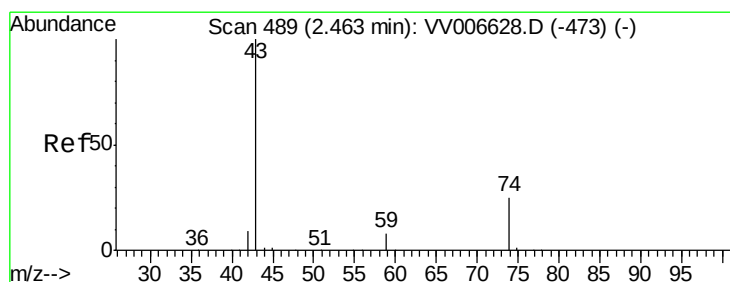
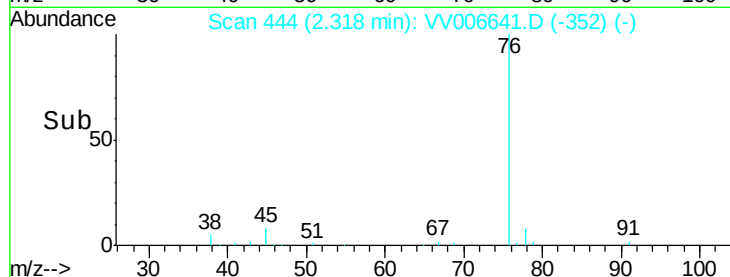
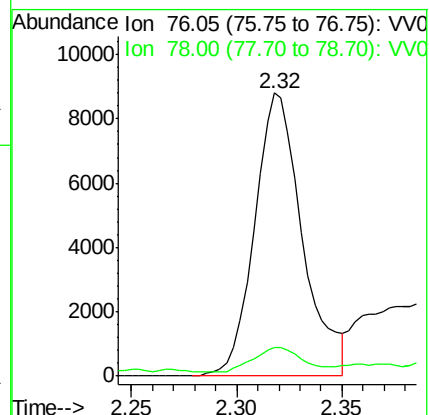
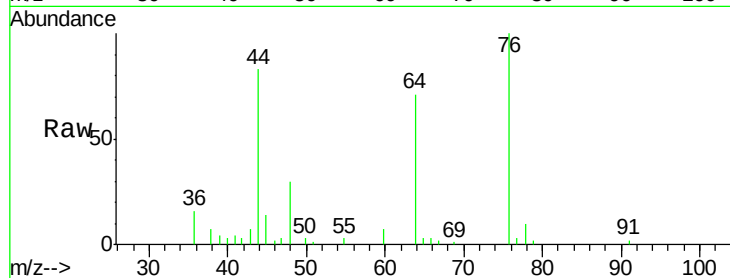
VSTD01067

Tgt Ion: 76 Resp: 13890

Ion Ratio Lower Upper

76 100

78 10.2 7.5 11.3



#15

Methyl Acetate

Concen: 0.420 ug/L

RT: 2.46 min Scan# 489

Delta R.T. -0.00 min

Lab File: VV006641.D

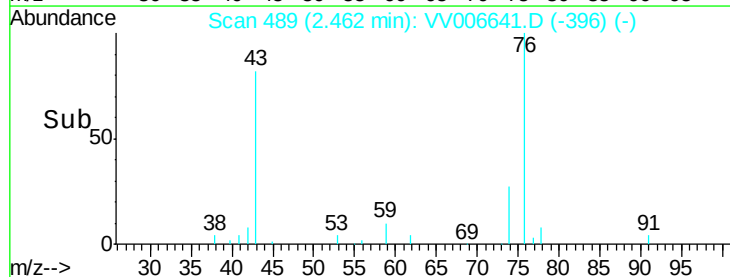
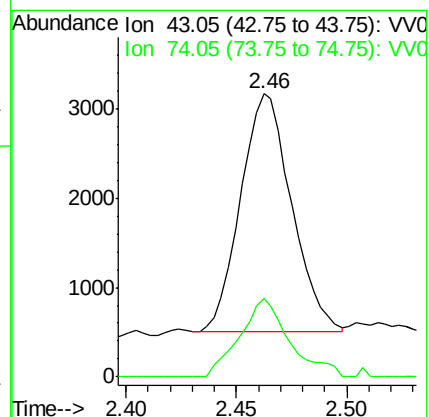
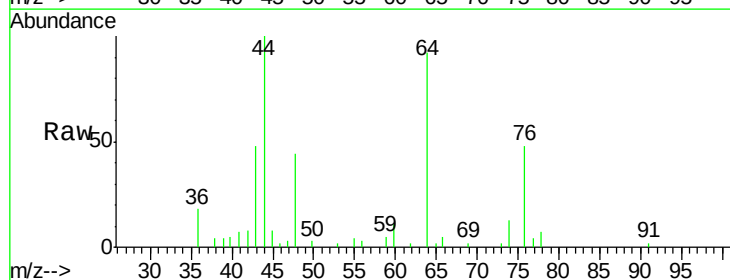
Acq: 18 Jul 2018 21:15

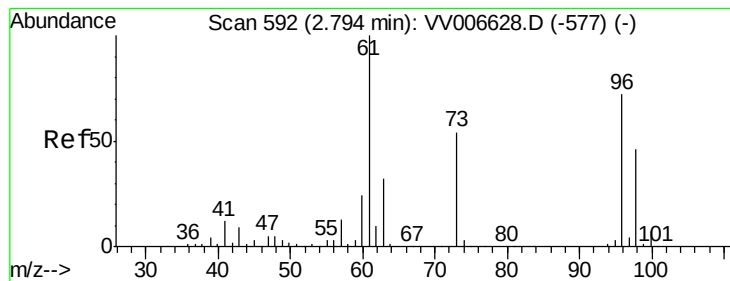
Tgt Ion: 43 Resp: 4263

Ion Ratio Lower Upper

43 100

74 32.2 20.2 30.4#





#18

trans-1,2-Dichloroethene

Concen: 6.005 ug/L

RT: 2.79 min Scan# 591

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

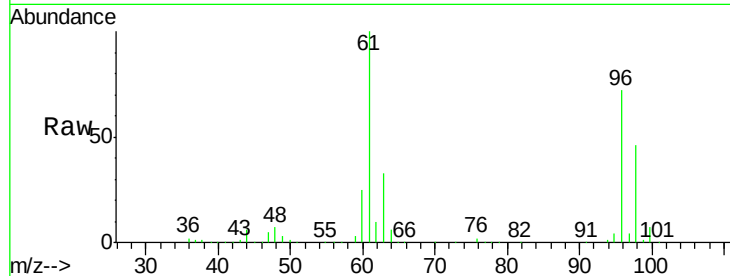
Tgt Ion: 96 Resp: 130045

Ion Ratio Lower Upper

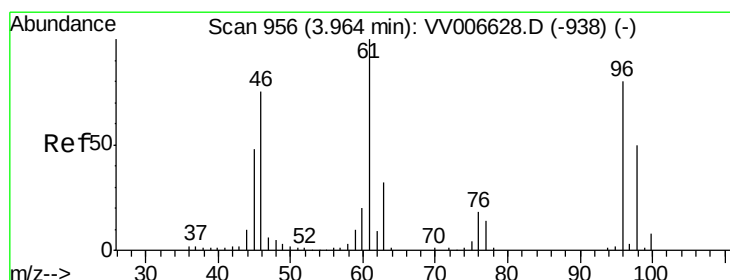
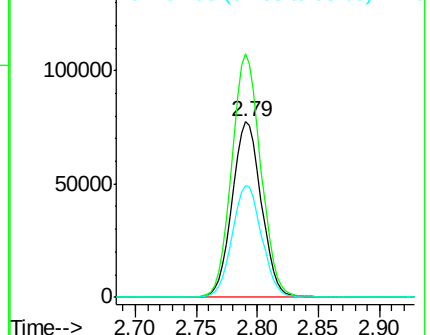
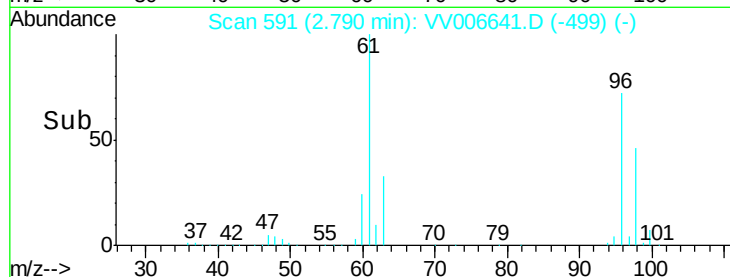
96 100

61 139.0 98.1 182.1

98 64.1 44.4 82.4



Abundance Ion 96.00 (95.70 to 96.70): VV006641.D (-499) (-)



#22

cis-1,2-Dichloroethene

Concen: 16.978 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

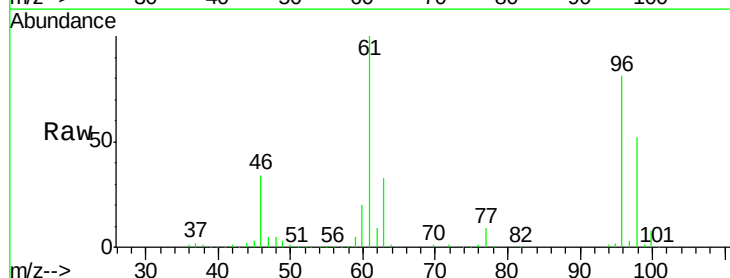
Tgt Ion: 96 Resp: 385752

Ion Ratio Lower Upper

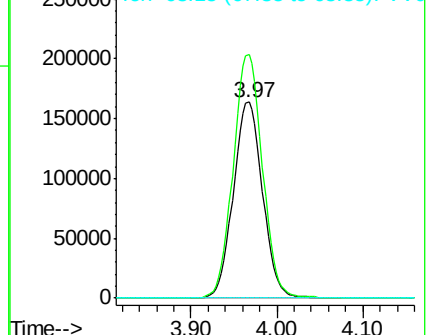
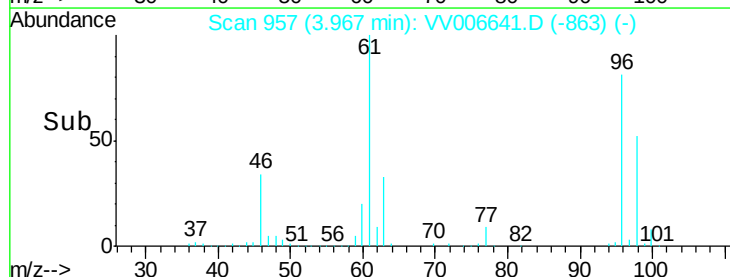
96 100

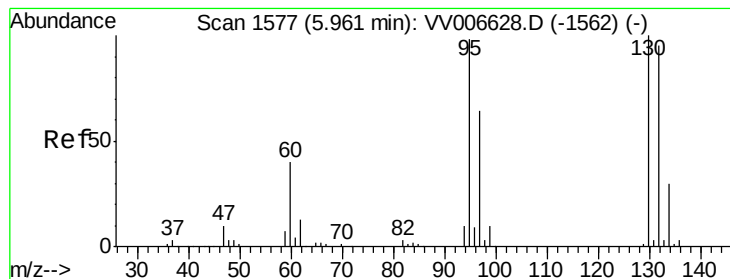
61 124.2 86.2 160.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV006641.D (-863) (-)





#34

Trichloroethene

Concen: 7.136 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

Tgt Ion: 95 Resp: 148835

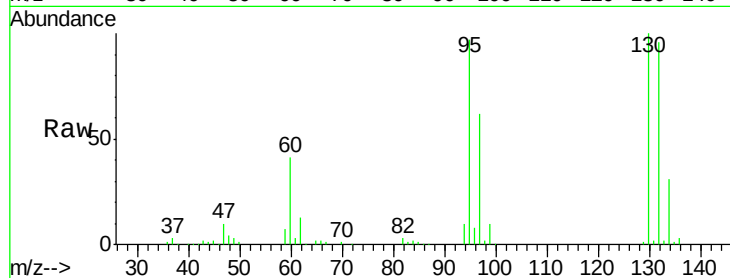
Ion Ratio Lower Upper

95 100

97 64.1 45.1 83.7

132 99.0 69.0 128.2

130 103.6 71.7 133.1

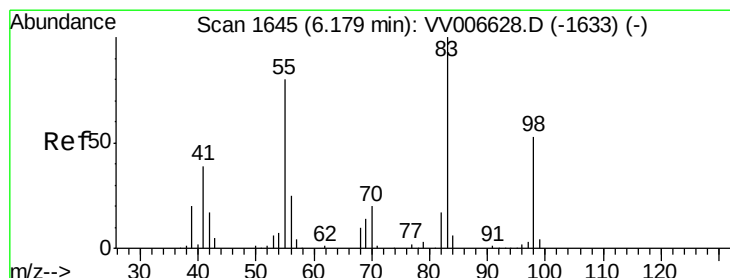
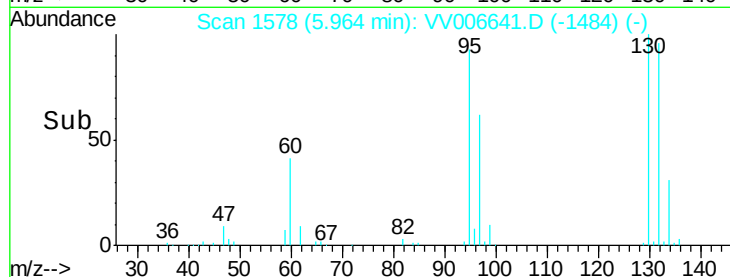
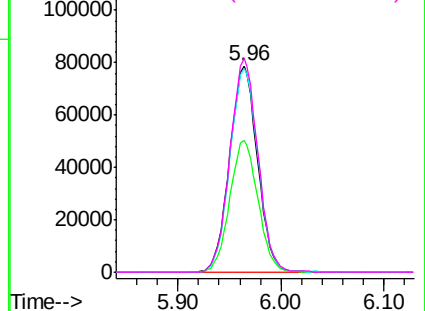


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 0.809 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.05 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

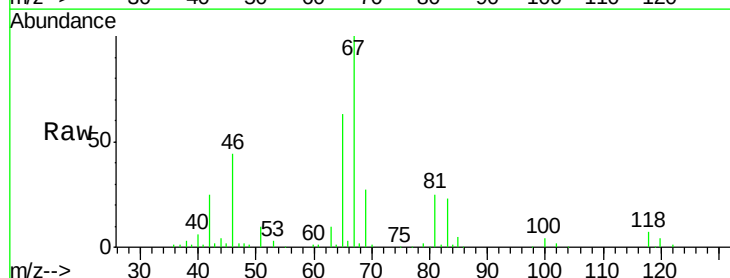
Tgt Ion: 83 Resp: 26694

Ion Ratio Lower Upper

83 100

55 0.4 60.7 91.1#

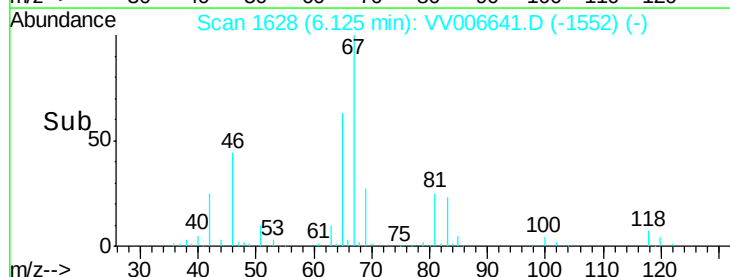
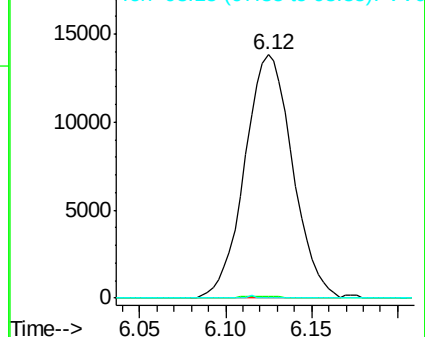
98 0.0 39.1 58.7#

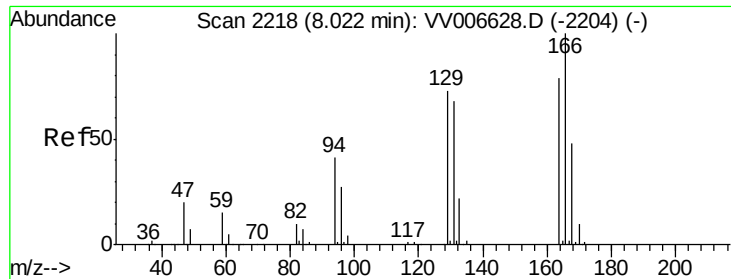


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#47

Tetrachloroethene

Concen: 0.732 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

Tgt Ion:164 Resp: 12191

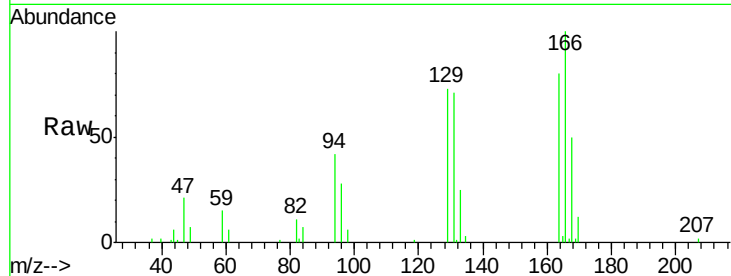
Ion Ratio Lower Upper

164 100

129 91.8 62.7 116.5

131 89.0 60.0 111.4

166 125.7 89.0 165.4

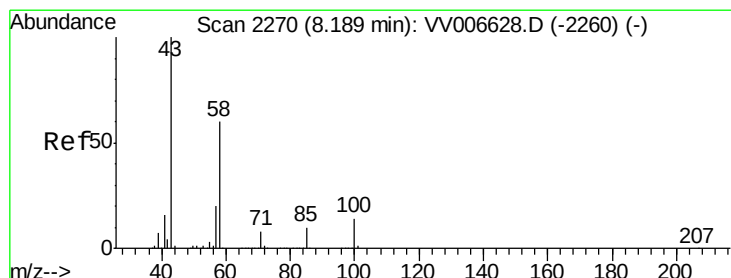
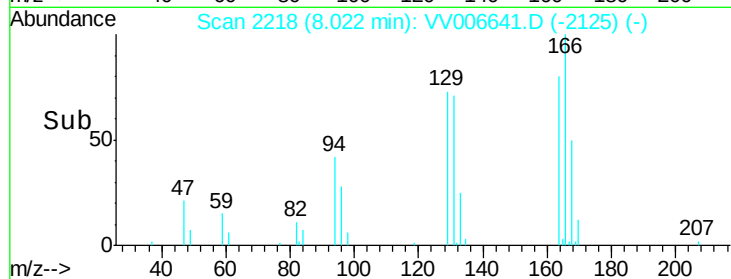
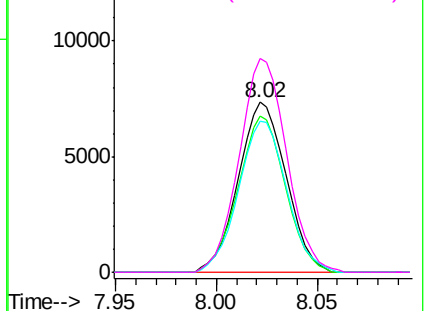


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.513 ug/L

RT: 8.14 min Scan# 2255

Delta R.T. -0.05 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

Tgt Ion: 43 Resp: 22141

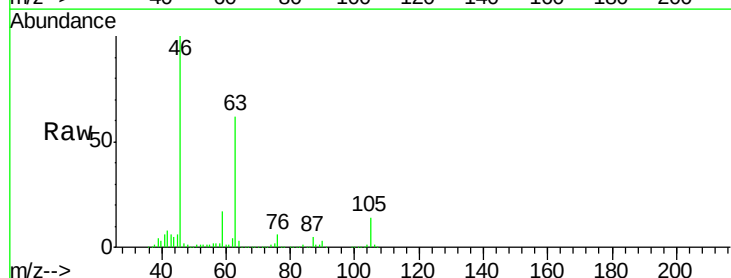
Ion Ratio Lower Upper

43 100

58 26.4 48.2 72.4#

57 30.9 16.2 24.4#

100 1.7 11.0 16.4#

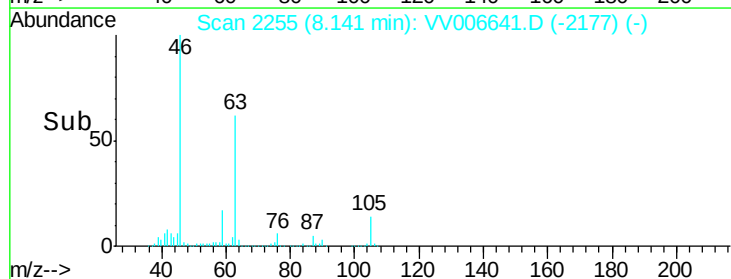
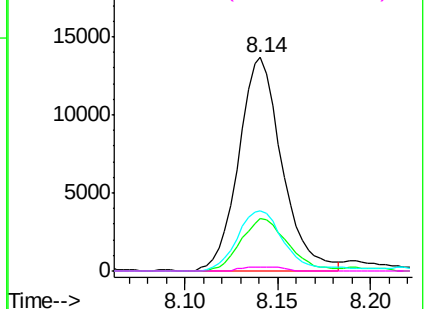


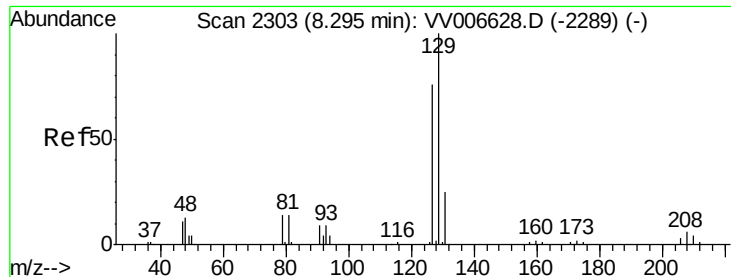
Abundance Ion 43.05 (42.75 to 43.75): VV0

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: 0.691 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV006641.D

Acq: 18 Jul 2018 21:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD01067

Tgt Ion:129 Resp: 10545

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#

