

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101618\
 Data File : VV008315.D
 Acq On : 17 Oct 2018 00:20
 Operator : SY/MD
 Sample : J5463-02
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0JB3

Quant Time: Oct 17 06:37:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 17 05:02:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	74963	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	66893	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	26270	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20746	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	1.58	69	15501	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.14	63	33350	4.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.00%
20) 2-Butanone-d5	3.96	46	68717	48.36	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.72%
24) Chloroform-d	4.41	84	41049	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.09	65	22116	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	5.10	84	88055	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	6.12	67	30012	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	77565	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.67	79	10383	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.14	63	40734	43.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.64%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	17841	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	22830	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

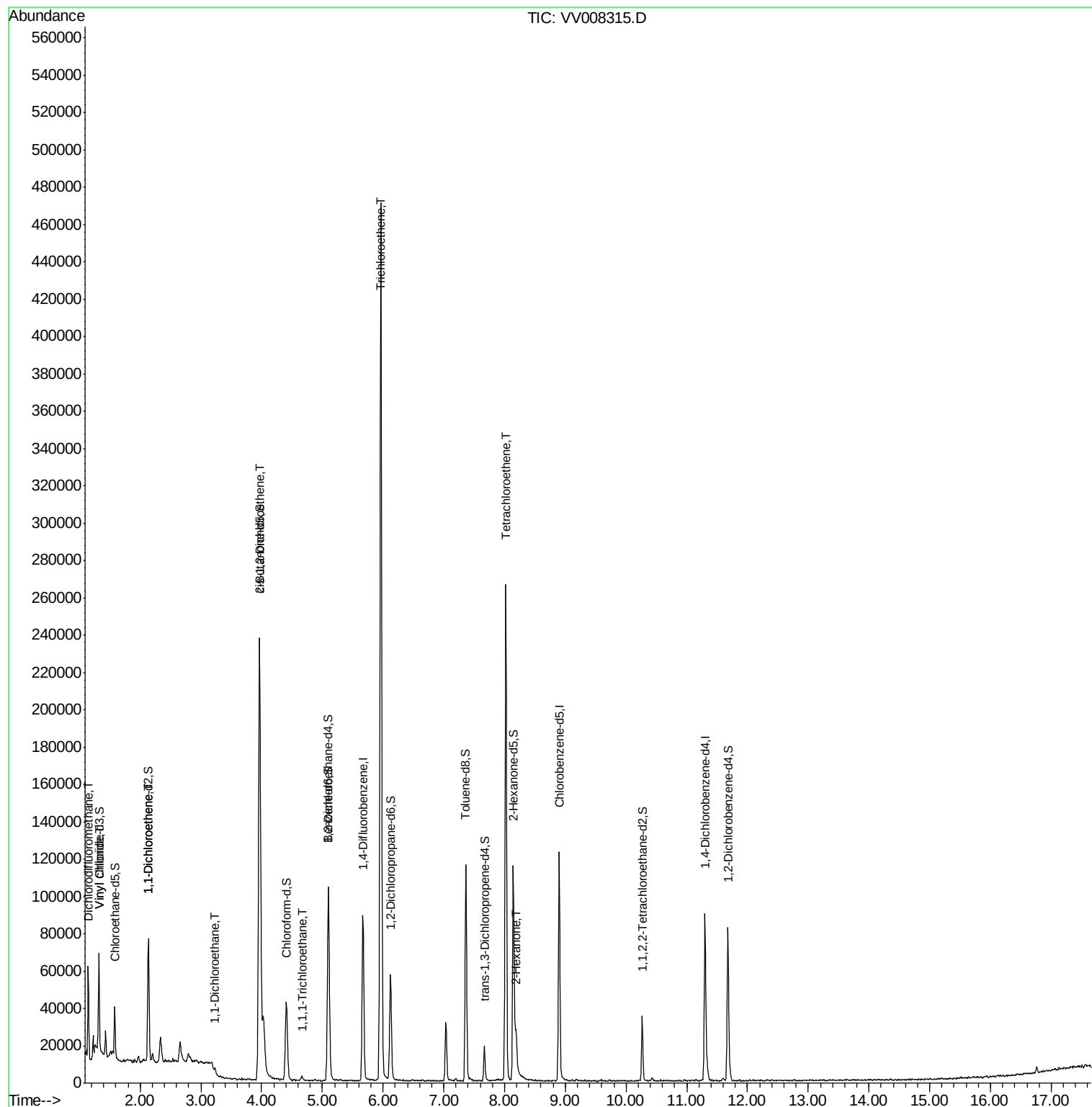
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	1624	0.281	ug/L	90
5) Vinyl chloride	1.33	62	11563	2.073	ug/L #	68
12) 1,1-Dichloroethene	2.15	96	4473	1.242	ug/L #	4
19) 1,1-Dichloroethane	3.24	63	3234	0.404	ug/L	90
22) cis-1,2-Dichloroethene	3.97	96	112219	17.939	ug/L #	100
29) 1,1,1-Trichloroethane	4.66	97	1790	0.215	ug/L	98
34) Trichloroethene	5.96	95	167498	26.813	ug/L	97
47) Tetrachloroethene	8.02	164	55563	14.196	ug/L	96
48) 2-Hexanone	8.19	43	14692	5.396	ug/L #	90

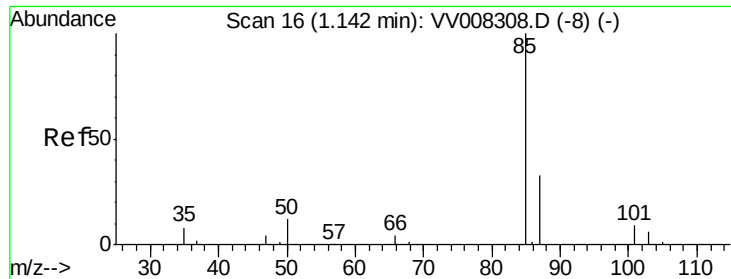
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.281 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008315.D

Acq: 17 Oct 2018 00:20

Instrument :

MSVOA_V

ClientSampleId :

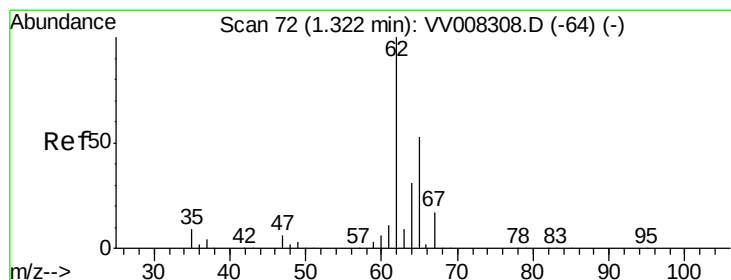
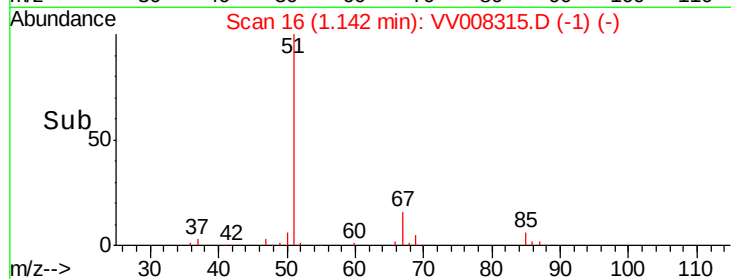
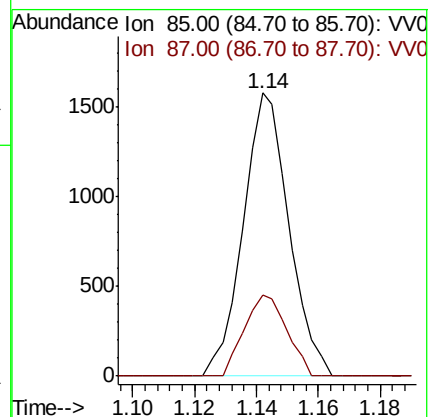
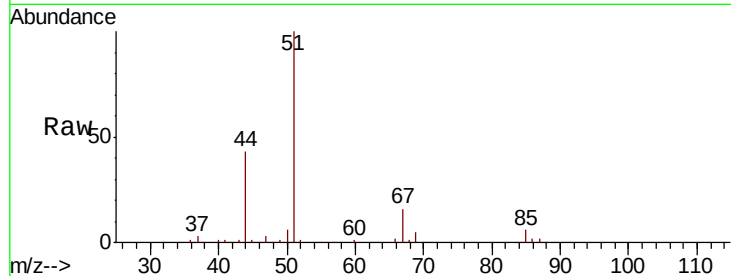
C0JB3

Tot Ion: 85 Resp: 1624

Ion Ratio Lower Upper

85 100

87 26.5 25.8 38.6



#5

Vinyl chloride

Concen: 2.073 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008315.D

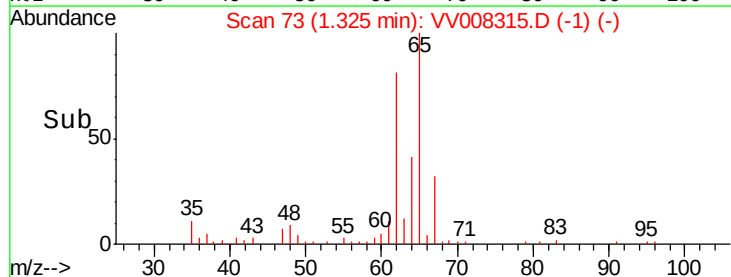
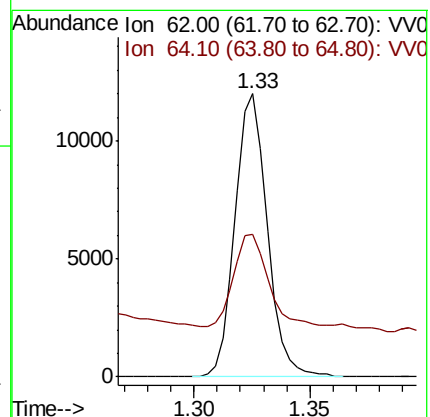
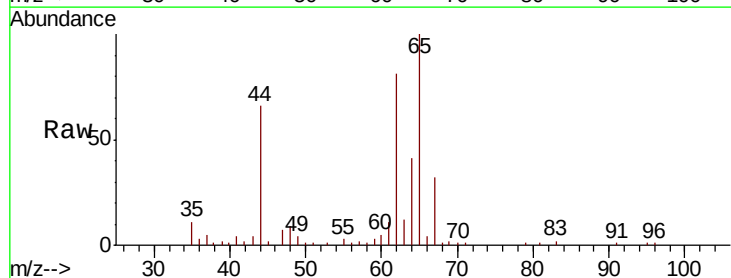
Acq: 17 Oct 2018 00:20

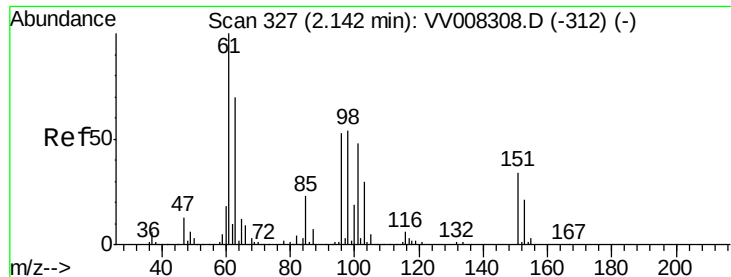
Tgt Ion: 62 Resp: 11563

Ion Ratio Lower Upper

62 100

64 50.5 22.9 42.5#

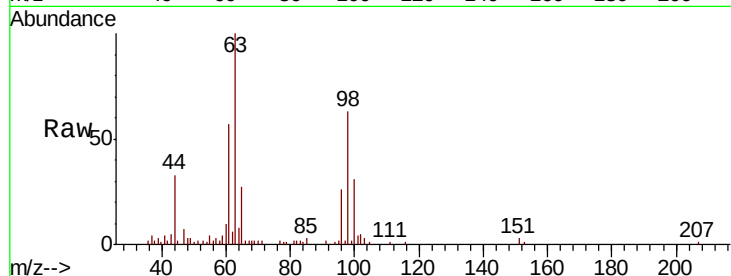




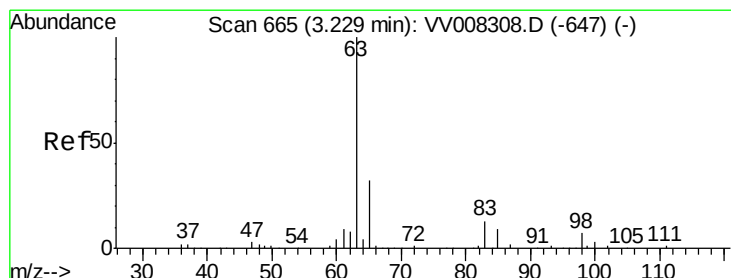
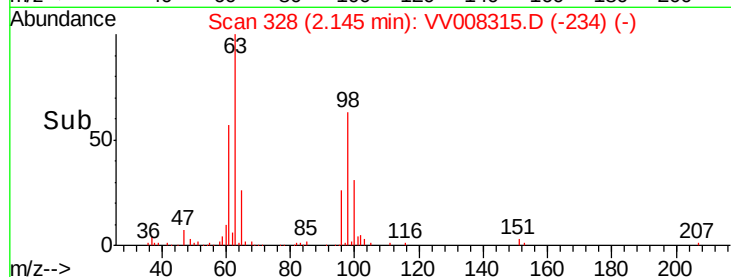
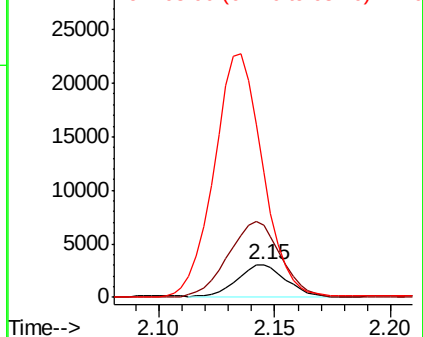
#12
 1,1-Dichloroethene
 Concen: 1.242 ug/L
 RT: 2.15 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VV008315.D
 Acq: 17 Oct 2018 00:20

Instrument :
 MSVOA_V
 ClientSampled :
 C0JB3

Tot Ion: 96 Resp: 4473
 Ion Ratio Lower Upper
 96 100
 61 218.9 129.9 241.3
 63 382.0 103.0 191.4#

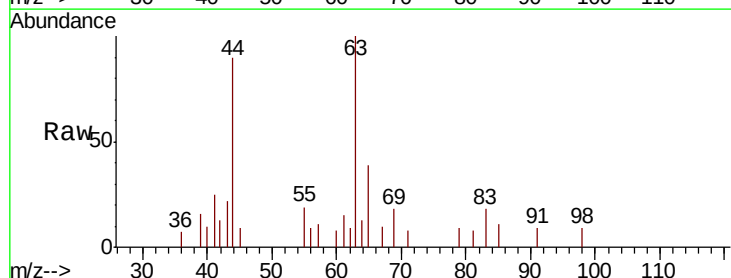


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 63.00 (62.70 to 63.70): VV0

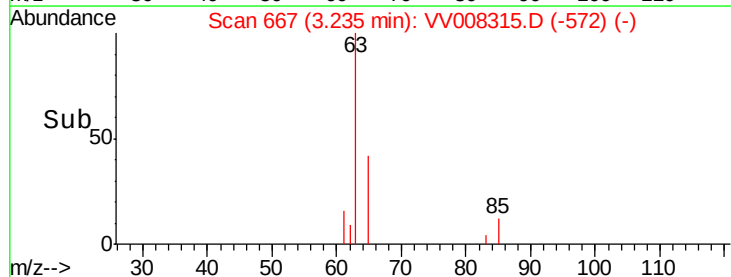
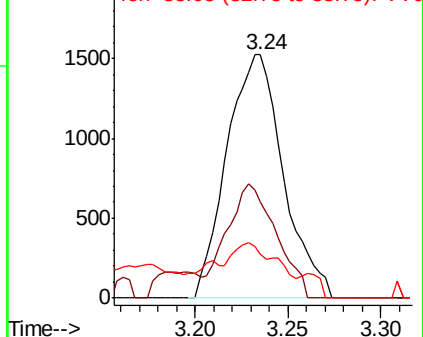


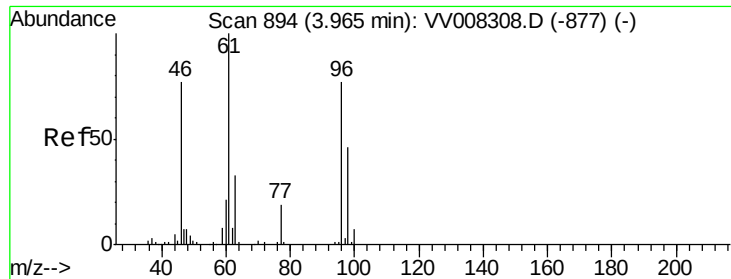
#19
 1,1-Dichloroethane
 Concen: 0.404 ug/L
 RT: 3.24 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VV008315.D
 Acq: 17 Oct 2018 00:20

Tgt Ion: 63 Resp: 3234
 Ion Ratio Lower Upper
 63 100
 65 39.3 22.6 42.0
 83 18.1 11.0 20.4



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: 17.939 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV008315.D

Acq: 17 Oct 2018 00:20

Instrument :

MSVOA_V

ClientSampleId :

C0JB3

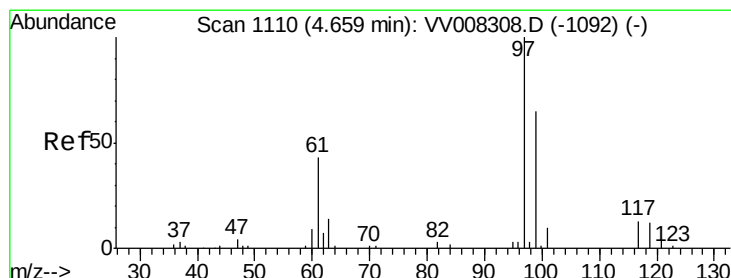
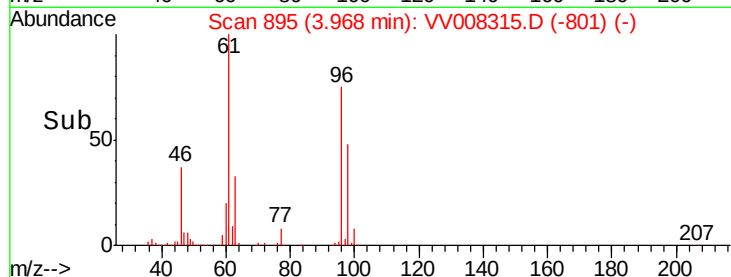
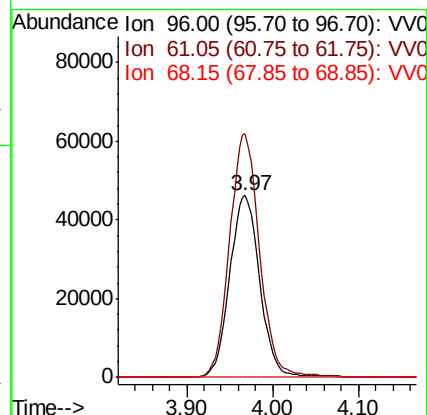
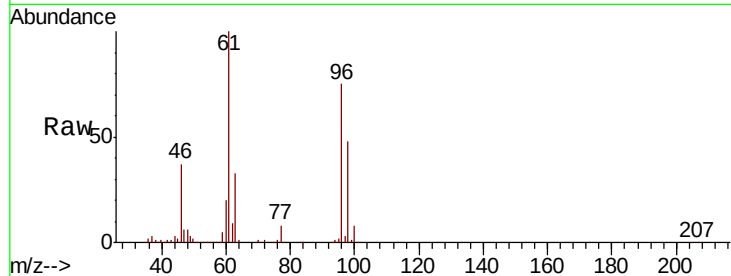
Tot Ion: 96 Resp: 112219

Ion Ratio Lower Upper

96 100

61 134.1 93.7 174.1

68 0.0 0.6 1.2#



#29

1,1,1-Trichloroethane

Concen: 0.215 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008315.D

Acq: 17 Oct 2018 00:20

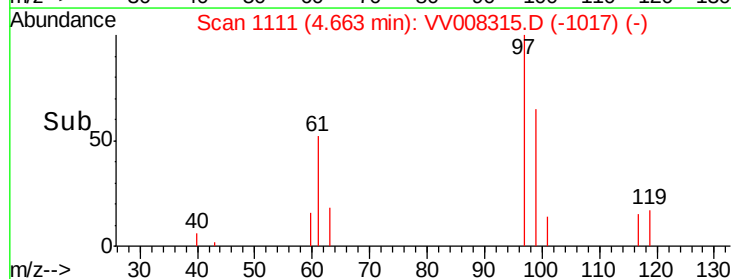
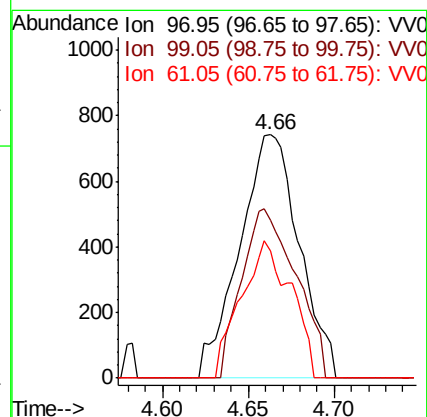
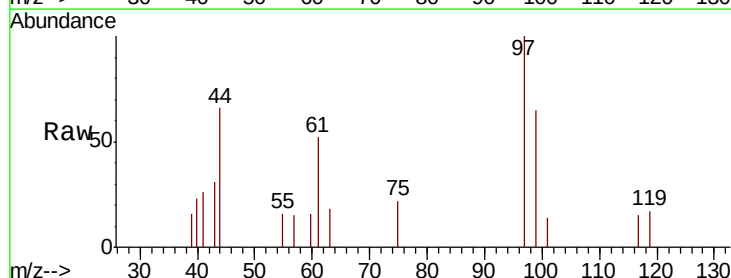
Tgt Ion: 97 Resp: 1790

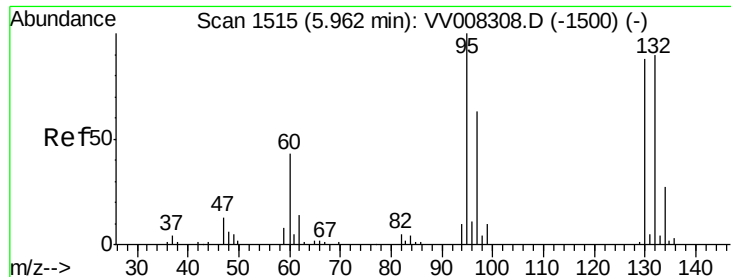
Ion Ratio Lower Upper

97 100

99 63.4 51.6 77.4

61 47.5 37.0 55.6





#34

Trichloroethene

Concen: 26.813 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008315.D

Acq: 17 Oct 2018 00:20

Instrument :

MSVOA_V

ClientSampleId :

C0JB3

Tot Ion: 95 Resp: 167498

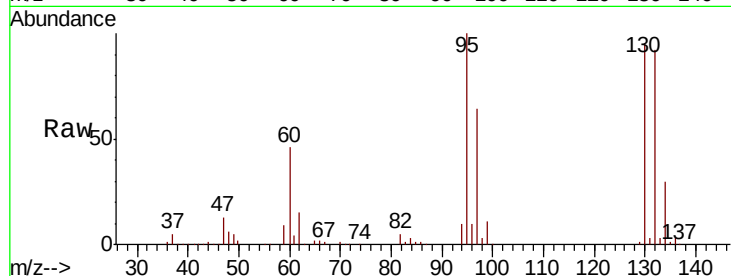
Ion Ratio Lower Upper

95 100

97 64.3 44.4 82.4

132 91.9 60.4 112.2

130 95.4 65.5 121.7

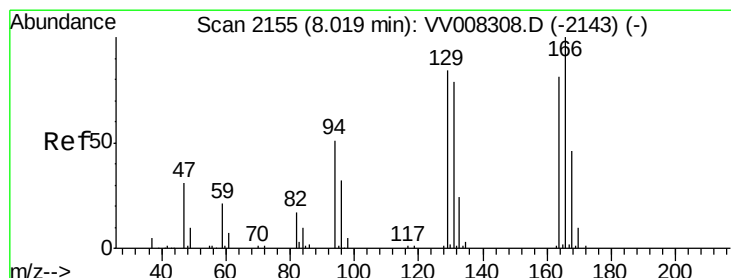
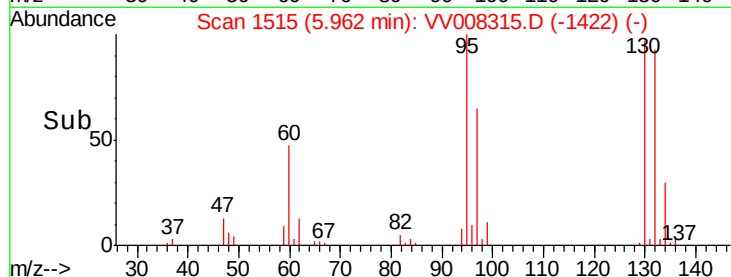
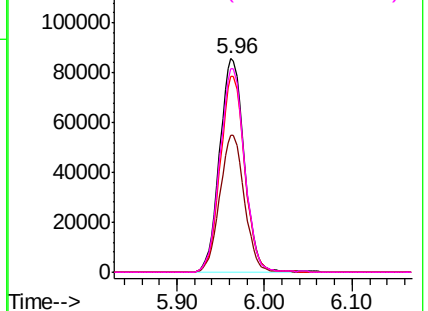


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#47

Tetrachloroethene

Concen: 14.196 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV008315.D

Acq: 17 Oct 2018 00:20

Tgt Ion:164 Resp: 55563

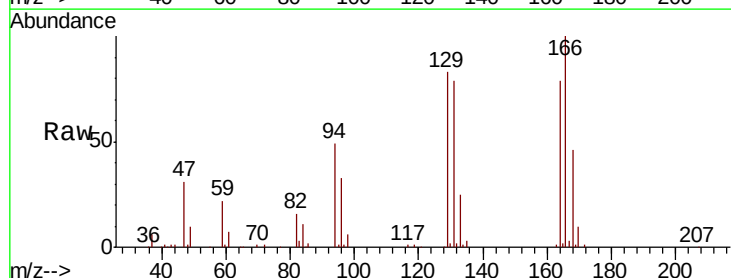
Ion Ratio Lower Upper

164 100

129 105.1 76.5 142.1

131 101.1 74.7 138.7

166 127.3 91.6 170.0

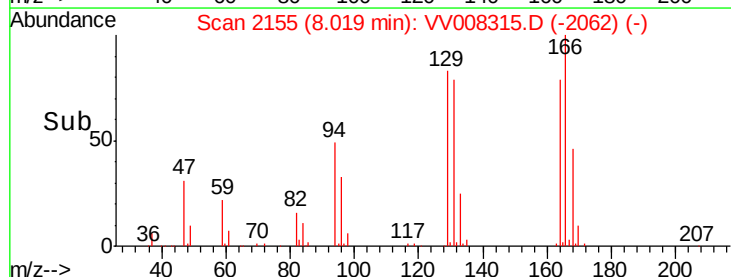
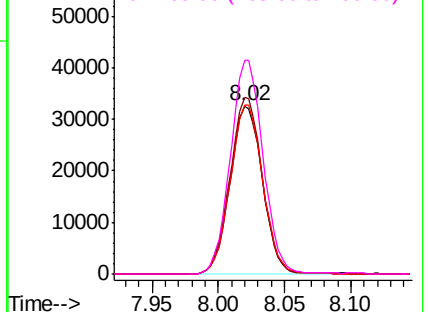


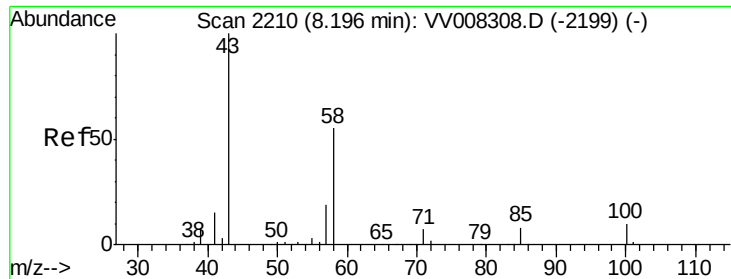
Abundance Ion 163.90 (163.60 to 164.60): V

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: 5.396 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. -0.01 min

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ClientSampleId :
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Tot Ion: 43 Resp: 14692

Ion Ratio Lower Upper

43 100

58 46.9 45.0 67.4

57 16.9 14.4 21.6

100 6.2 7.9 11.9#

