

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007301.D
 Acq On : 31 Aug 2018 15:25
 Operator : SY/MD
 Sample : J4665-14
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA9

Quant Time: Sep 01 00:02:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:57:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	614877	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	588200	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	232251	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	199155	53.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.20%
7) Chloroethane-d5	1.58	69	114542	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.90%
11) 1,1-Dichloroethene-d2	2.13	63	250339	36.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.58%
21) 2-Butanone-d5	3.97	46	352921	117.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.45%
24) Chloroform-d	4.41	84	371775	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
26) 1,2-Dichloroethane-d4	5.09	65	232081	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.38%
32) Benzene-d6	5.11	84	766405	48.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.98%
36) 1,2-Dichloropropane-d6	6.12	67	262286	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.08%
41) Toluene-d8	7.37	98	638335	45.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.32%
43) trans-1,3-Dichloropropene-	7.67	79	107322	45.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.82%
47) 2-Hexanone-d5	8.15	63	222077	113.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.73%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	349920	49.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.04%
64) 1,2-Dichlorobenzene-d4	11.68	152	263639	56.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.00%

Target Compounds

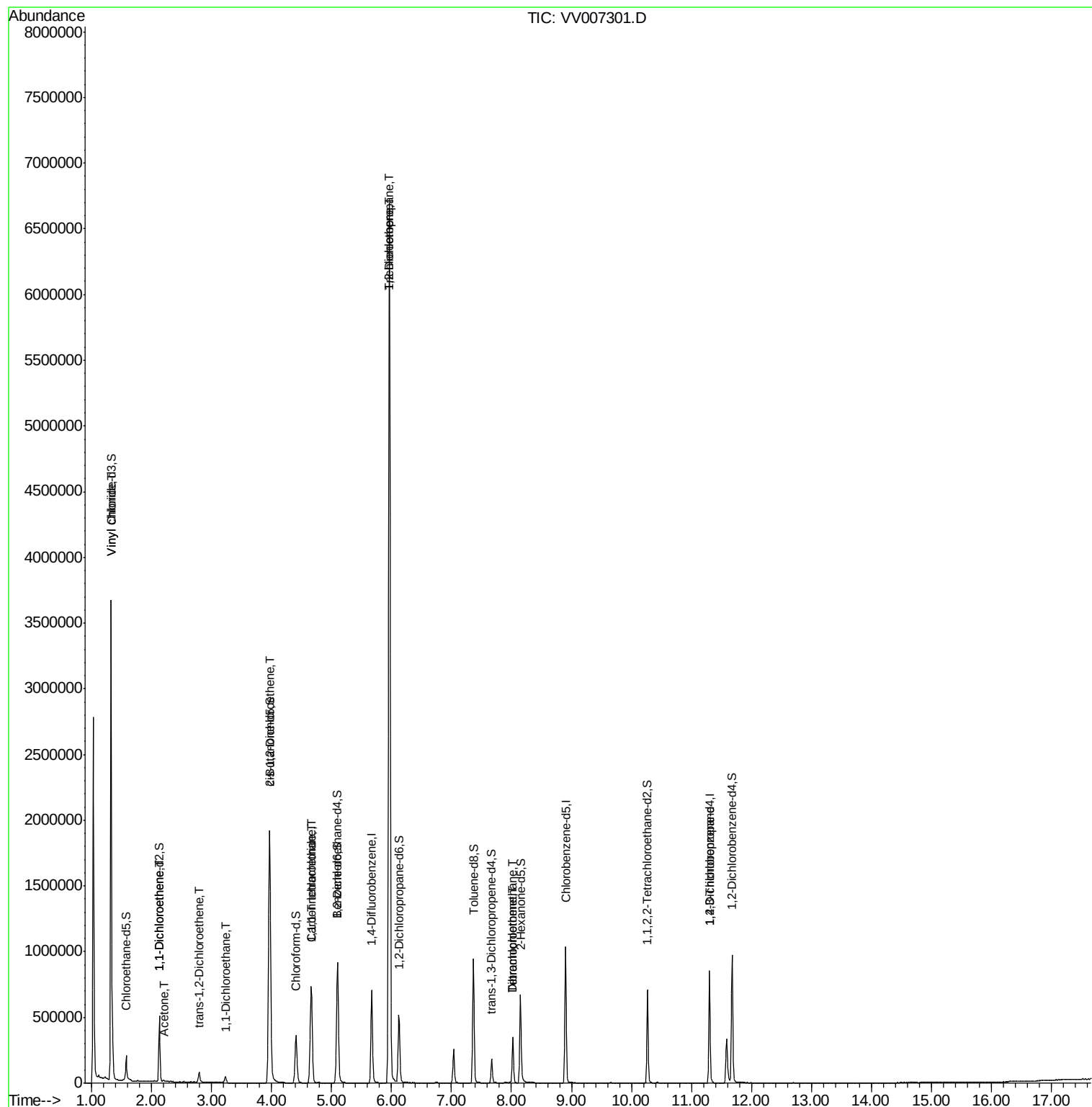
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.32	62	2521986	506.056	ug/L	99
12) 1,1-Dichloroethene	2.14	96	12102	3.271	ug/L #	1
13) Acetone	2.21	43	7332	2.830	ug/L	90
17) trans-1,2-Dichloroethene	2.79	96	28899	7.191	ug/L	97
19) 1,1-Dichloroethane	3.23	63	45781	5.633	ug/L	98
20) cis-1,2-Dichloroethene	3.97	96	996669	215.415	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	597816	89.297	ug/L	100
31) Carbon tetrachloride	4.67	117	81315	14.072	ug/L	98
34) Trichloroethene	5.96	95	2357269	546.087	ug/L	99
37) 1,2-Dichloropropane	5.96	63	7764	1.614	ug/L	100
46) Tetrachloroethene	8.02	164	81788	22.601	ug/L	98
49) Dibromochloromethane	8.02	129	71932	15.304	ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	25443	4.458	ug/L	89

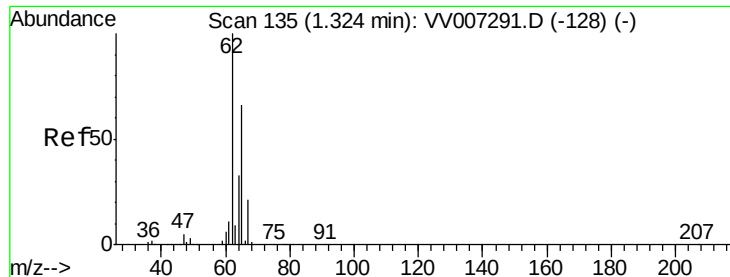
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 31 23:57:34 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 506.056 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007301.D

Acq: 31 Aug 2018 15:25

Instrument :

MSVOA_V

ClientSampleId :

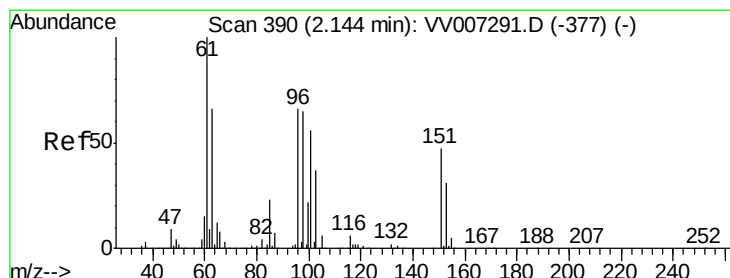
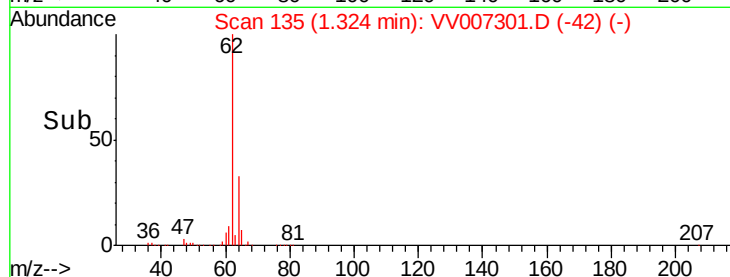
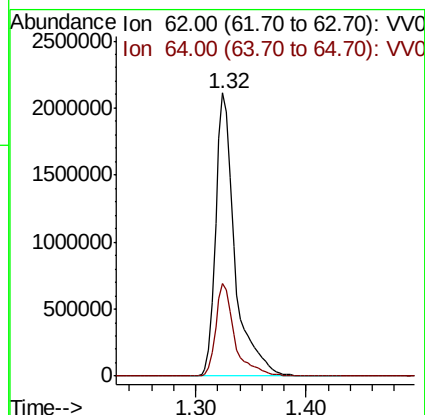
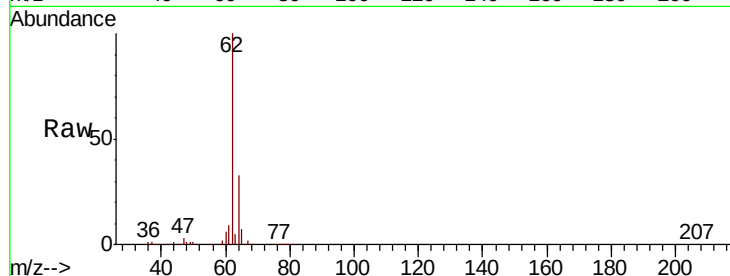
E0AA9

Tgt Ion: 62 Resp: 2521986

Ion Ratio Lower Upper

62 100

64 32.8 23.2 43.0



#12

1,1-Dichloroethene

Concen: 3.271 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007301.D

Acq: 31 Aug 2018 15:25

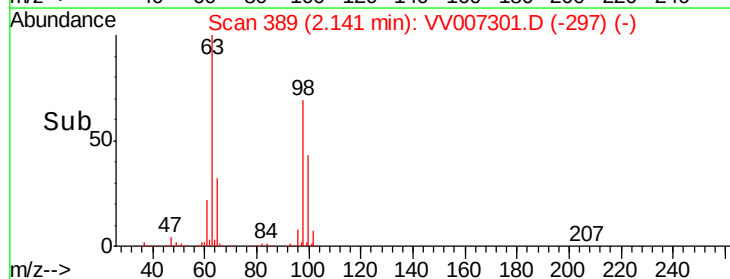
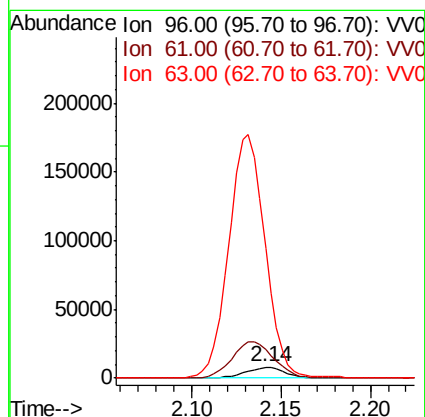
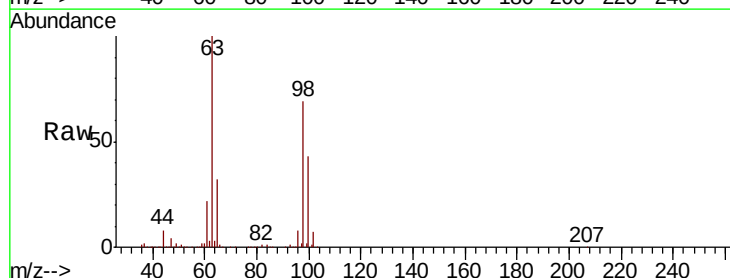
Tgt Ion: 96 Resp: 12102

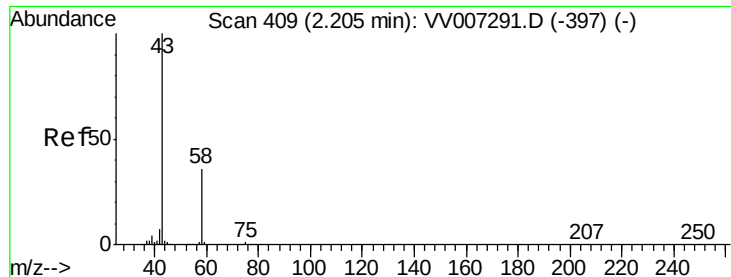
Ion Ratio Lower Upper

96 100

61 267.7 106.3 197.5#

63 1224.1 71.0 131.8#





#13

Acetone

Concen: 2.830 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.00 min

Lab File: VV007301.D

Acq: 31 Aug 2018 15:25

Instrument :

MSVOA_V

ClientSampleId :

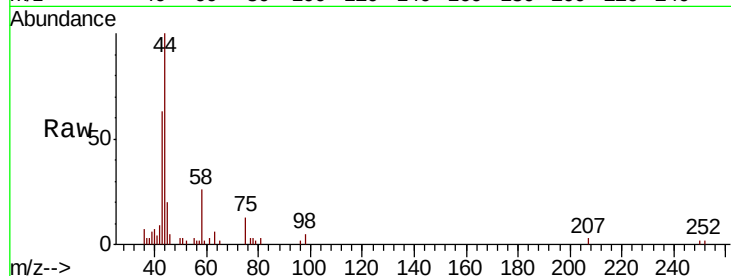
E0AA9

Tgt Ion: 43 Resp: 7332

Ion Ratio Lower Upper

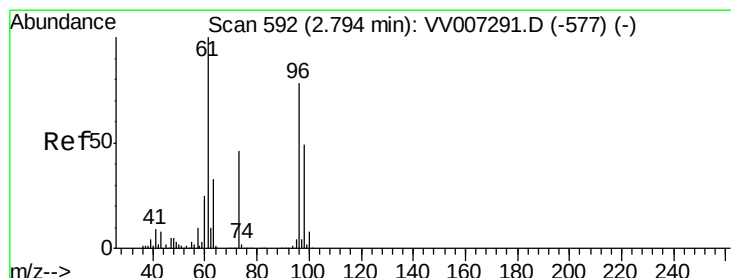
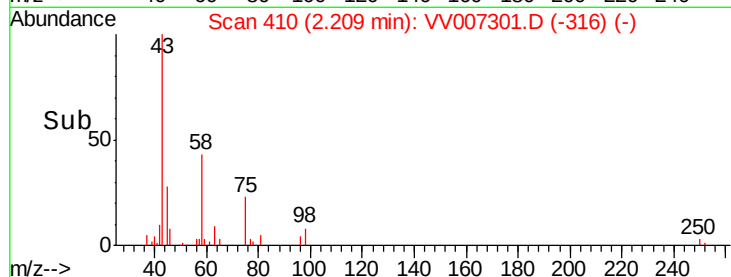
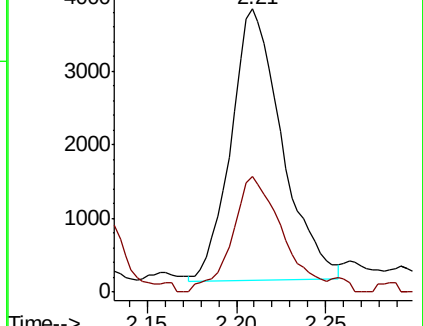
43 100

58 41.7 0.0 72.2



Abundance Ion 43.00 (42.70 to 43.70): VV007291.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VV007291.D (-397) (-)



#17

trans-1,2-Dichloroethene

Concen: 7.191 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007301.D

Acq: 31 Aug 2018 15:25

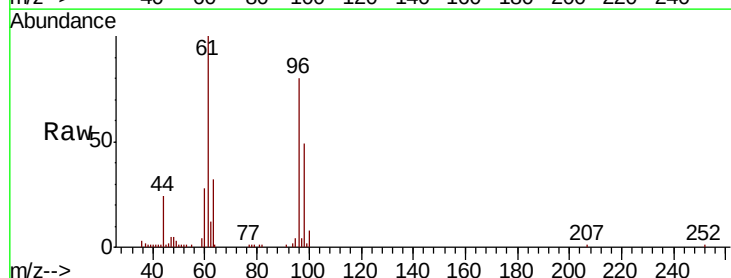
Tgt Ion: 96 Resp: 28899

Ion Ratio Lower Upper

96 100

61 125.6 90.4 167.8

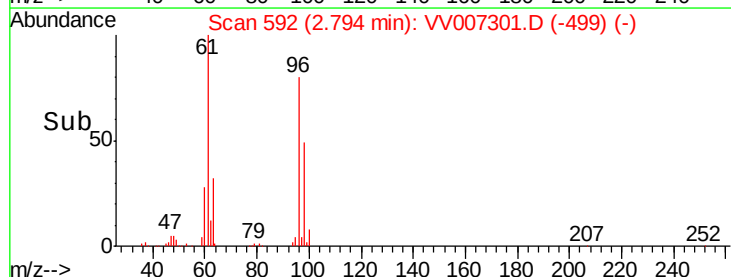
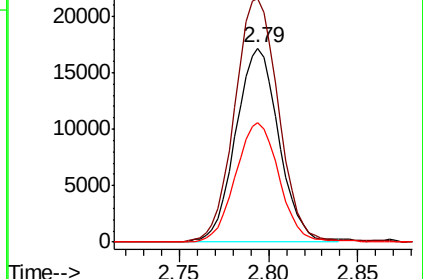
98 61.8 44.2 82.0

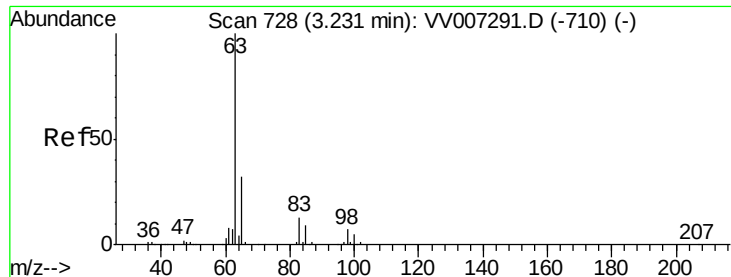


Abundance Ion 96.00 (95.70 to 96.70): VV007291.D (-577) (-)

Ion 61.00 (60.70 to 61.70): VV007291.D (-577) (-)

Ion 98.00 (97.70 to 98.70): VV007291.D (-577) (-)

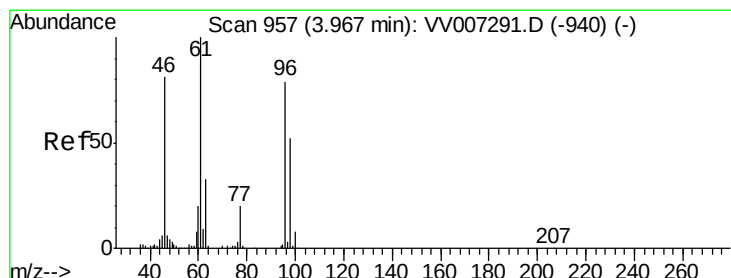
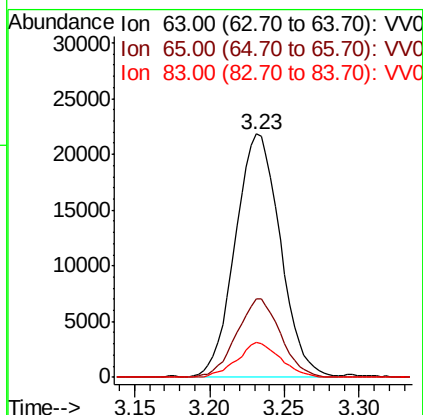
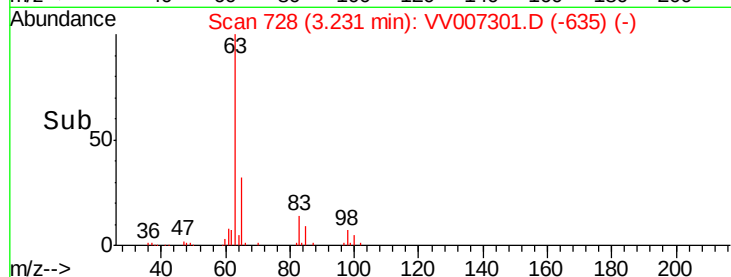
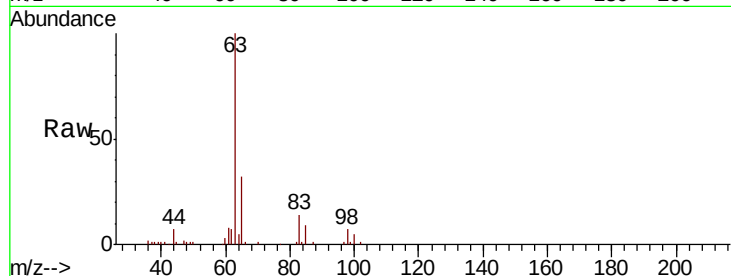




#19
 1,1-Dichloroethane
 Concen: 5.633 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007301.D
 Acq: 31 Aug 2018 15:25

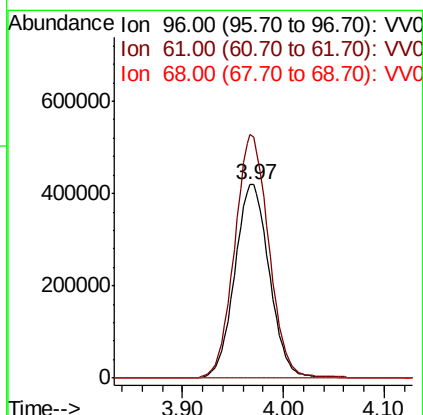
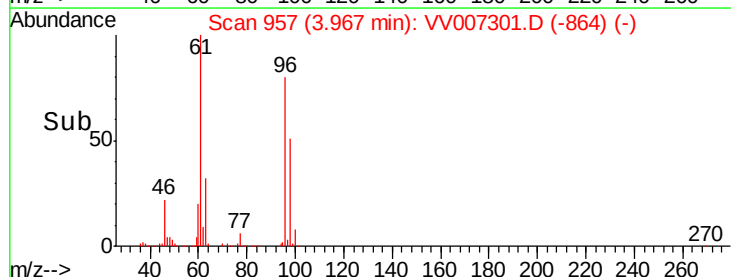
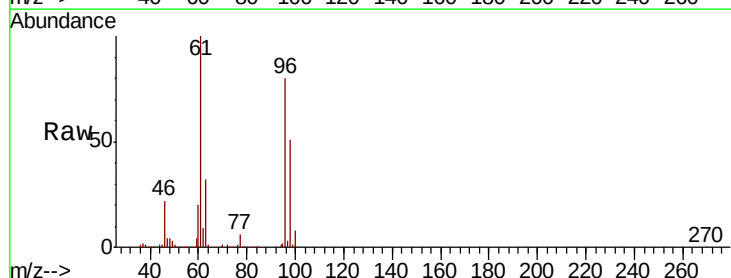
Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA9

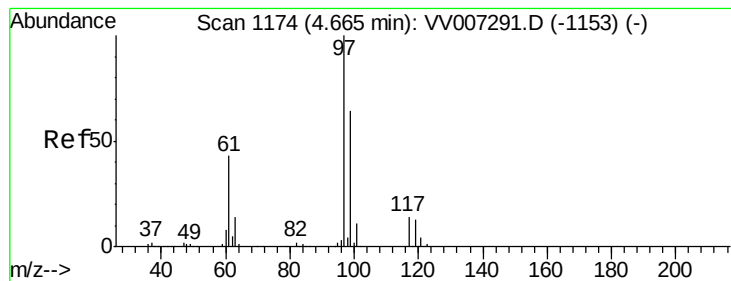
Tgt Ion: 63 Resp: 45781
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.0 41.0
 83 14.1 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 215.415 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007301.D
 Acq: 31 Aug 2018 15:25

Tgt Ion: 96 Resp: 996669
 Ion Ratio Lower Upper
 96 100
 61 125.8 88.4 164.2
 68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 89.297 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV007301.D

Acq: 31 Aug 2018 15:25

Instrument :

MSVOA_V

ClientSampleId :

E0AA9

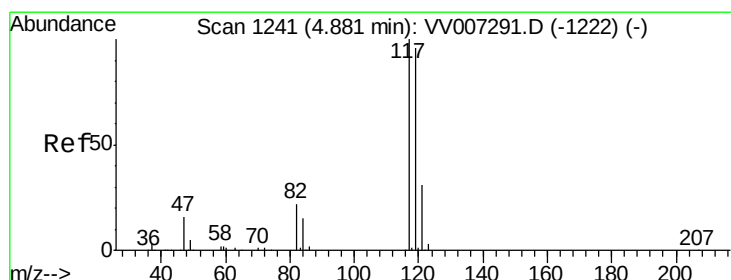
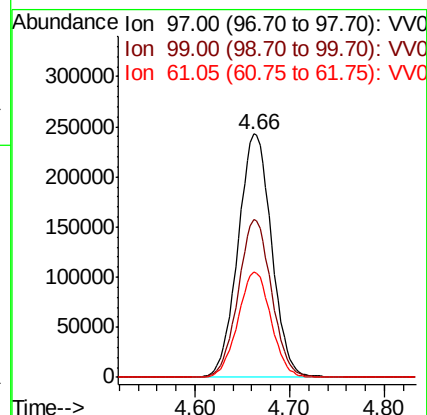
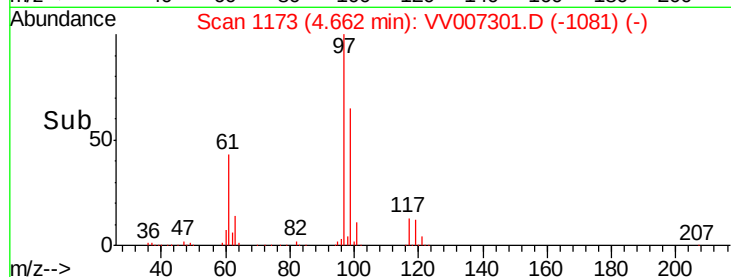
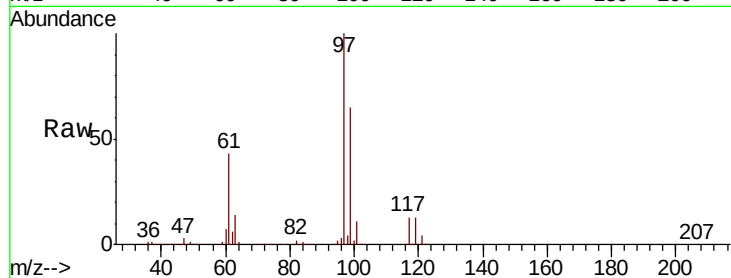
Tgt Ion: 97 Resp: 597816

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 42.9 34.6 51.8



#31

Carbon tetrachloride

Concen: 14.072 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. -0.22 min

Lab File: VV007301.D

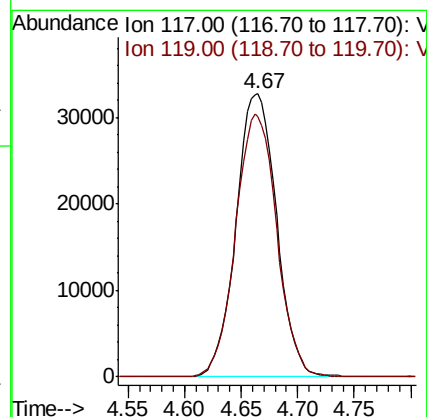
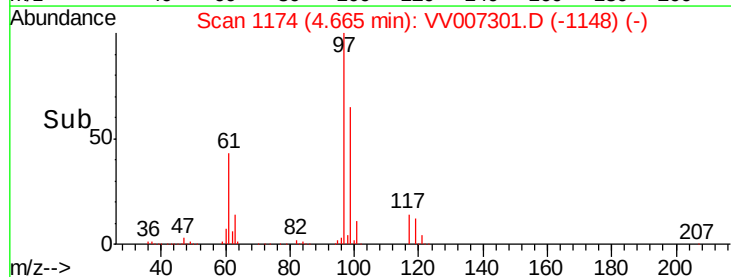
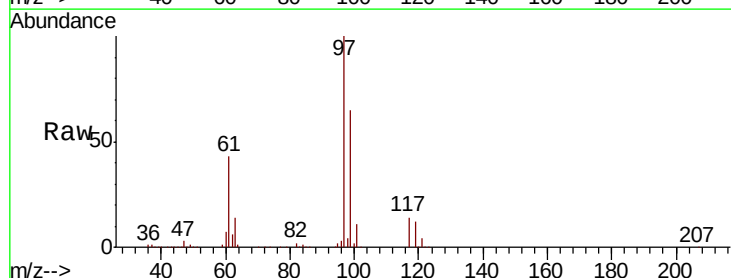
Acq: 31 Aug 2018 15:25

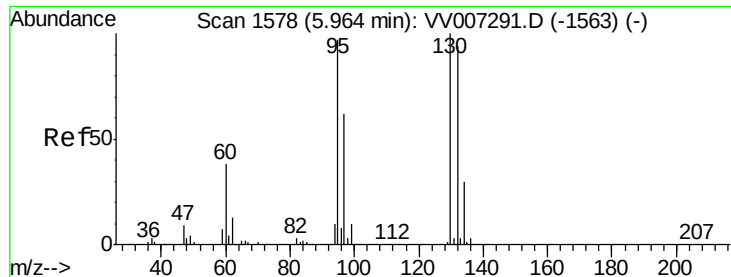
Tgt Ion: 117 Resp: 81315

Ion Ratio Lower Upper

117 100

119 94.4 77.1 115.7





#34

Trichloroethene

Concen: 546.087 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VV007301.D

Acq: 31 Aug 2018 15:25

Instrument :

MSVOA_V

ClientSampleId :

E0AA9

Tgt Ion: 95 Resp: 2357269

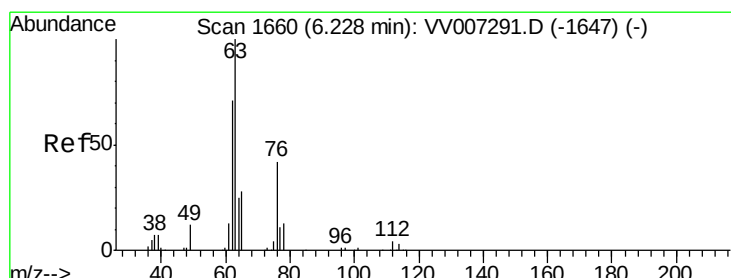
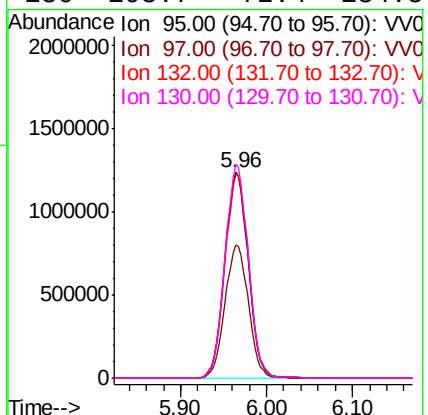
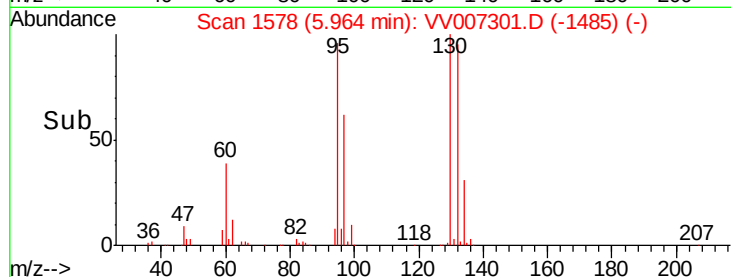
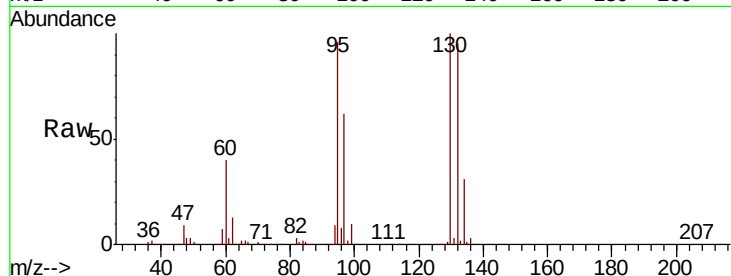
Ion Ratio Lower Upper

95 100

97 64.7 45.1 83.9

132 99.0 68.3 126.9

130 103.7 72.4 134.5



#37

1,2-Dichloropropane

Concen: 1.614 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.27 min

Lab File: VV007301.D

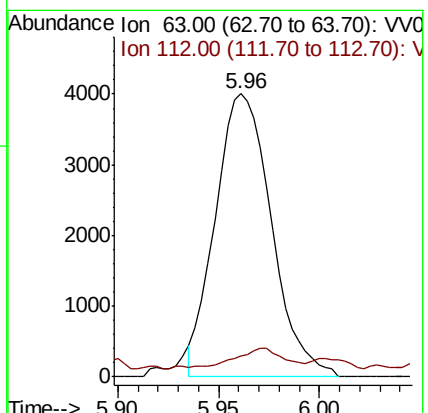
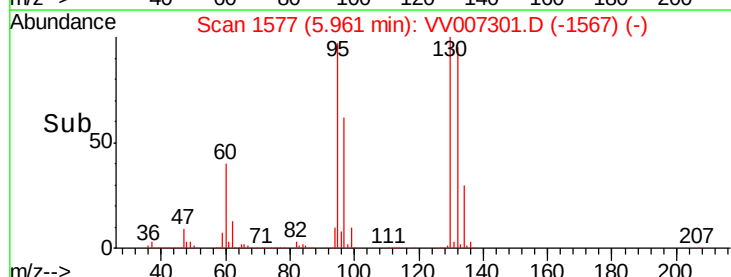
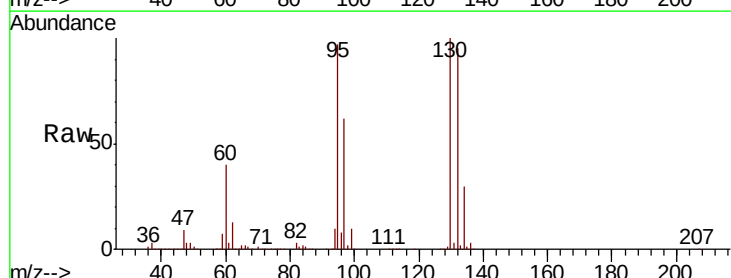
Acq: 31 Aug 2018 15:25

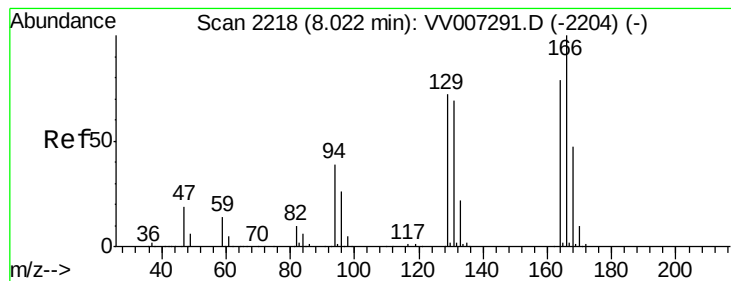
Tgt Ion: 63 Resp: 7764

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.8





#46

Tetrachloroethene

Concen: 22.601 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VV007301.D

Acq: 31 Aug 2018 15:25

Instrument :

MSVOA_V

ClientSampleId :

E0AA9

Tgt Ion:164 Resp: 81788

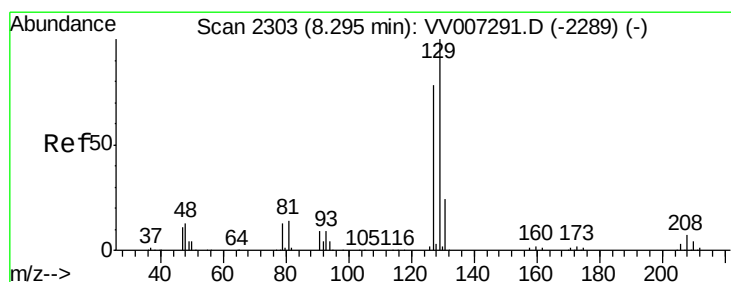
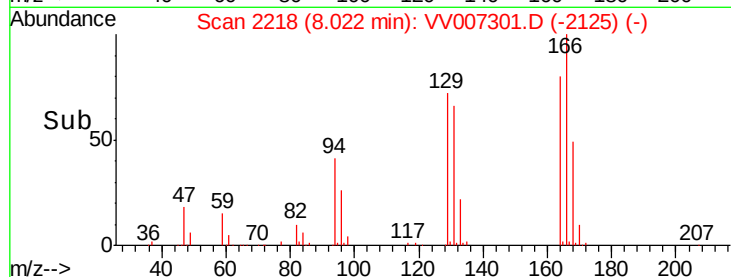
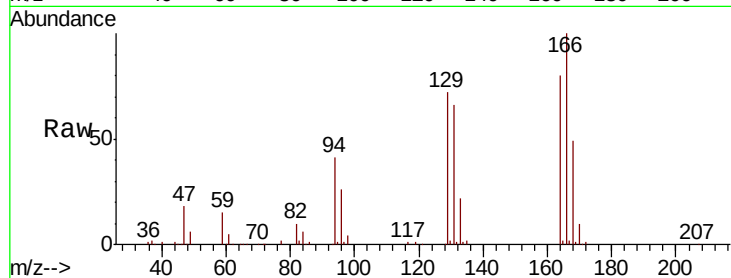
Ion Ratio Lower Upper

164 100

129 90.9 64.5 119.7

131 83.1 61.2 113.8

166 125.6 89.1 165.5



#49

Dibromochloromethane

Concen: 15.304 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.27 min

Lab File: VV007301.D

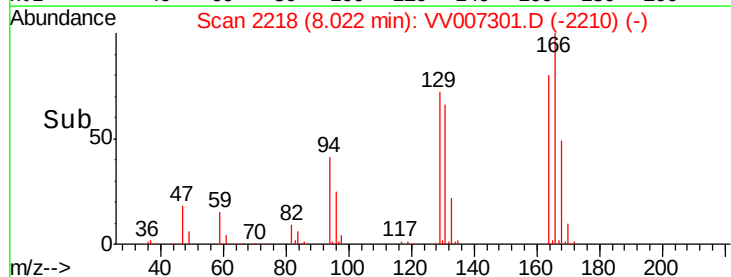
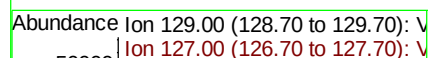
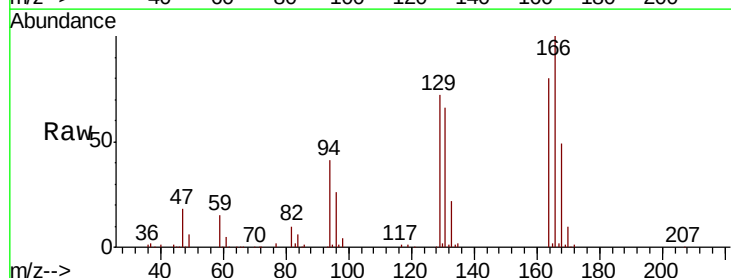
Acq: 31 Aug 2018 15:25

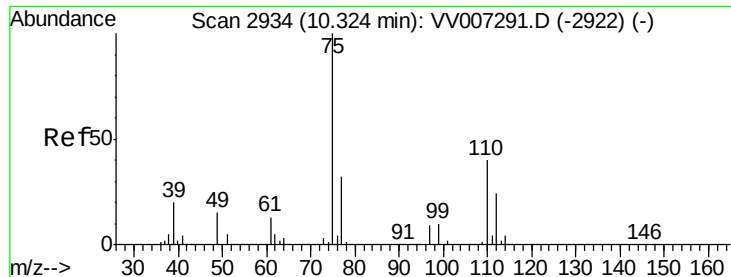
Tgt Ion:129 Resp: 71932

Ion Ratio Lower Upper

129 100

127 0.0 54.4 101.0#





#59

1,2,3-Trichloropropane

Concen: 4.458 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.98 min

Lab File: VV007301.D

Acq: 31 Aug 2018 15:25

Instrument :

MSVOA_V

ClientSampleId :

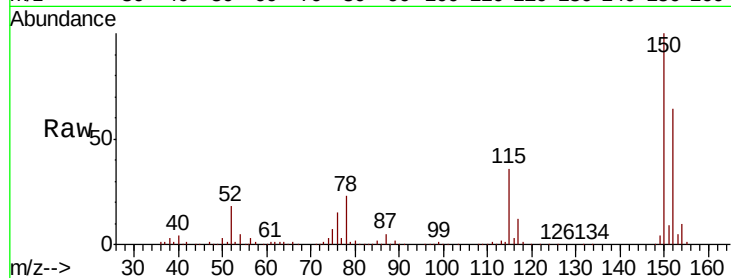
E0AA9

Tgt Ion: 75 Resp: 25443

Ion Ratio Lower Upper

75 100

77 38.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

