

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007300.D
 Acq On : 31 Aug 2018 15:00
 Operator : SY/MD
 Sample : J4665-13
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA7

Quant Time: Sep 01 00:02:38 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	570241	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	553163	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	213685	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	167394	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.16%
7) Chloroethane-d5	1.58	69	118016	54.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.78%
11) 1,1-Dichloroethene-d2	2.13	63	239794	37.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.96%
21) 2-Butanone-d5	3.96	46	278077	99.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.78%
24) Chloroform-d	4.41	84	357571	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.09	65	226569	50.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.44%
32) Benzene-d6	5.10	84	736598	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
36) 1,2-Dichloropropane-d6	6.12	67	251300	50.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.98%
41) Toluene-d8	7.36	98	619124	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.67	79	102116	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.15	63	169338	92.21	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.21%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	320810	47.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.56%
64) 1,2-Dichlorobenzene-d4	11.68	152	244607	56.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.96%

Target Compounds

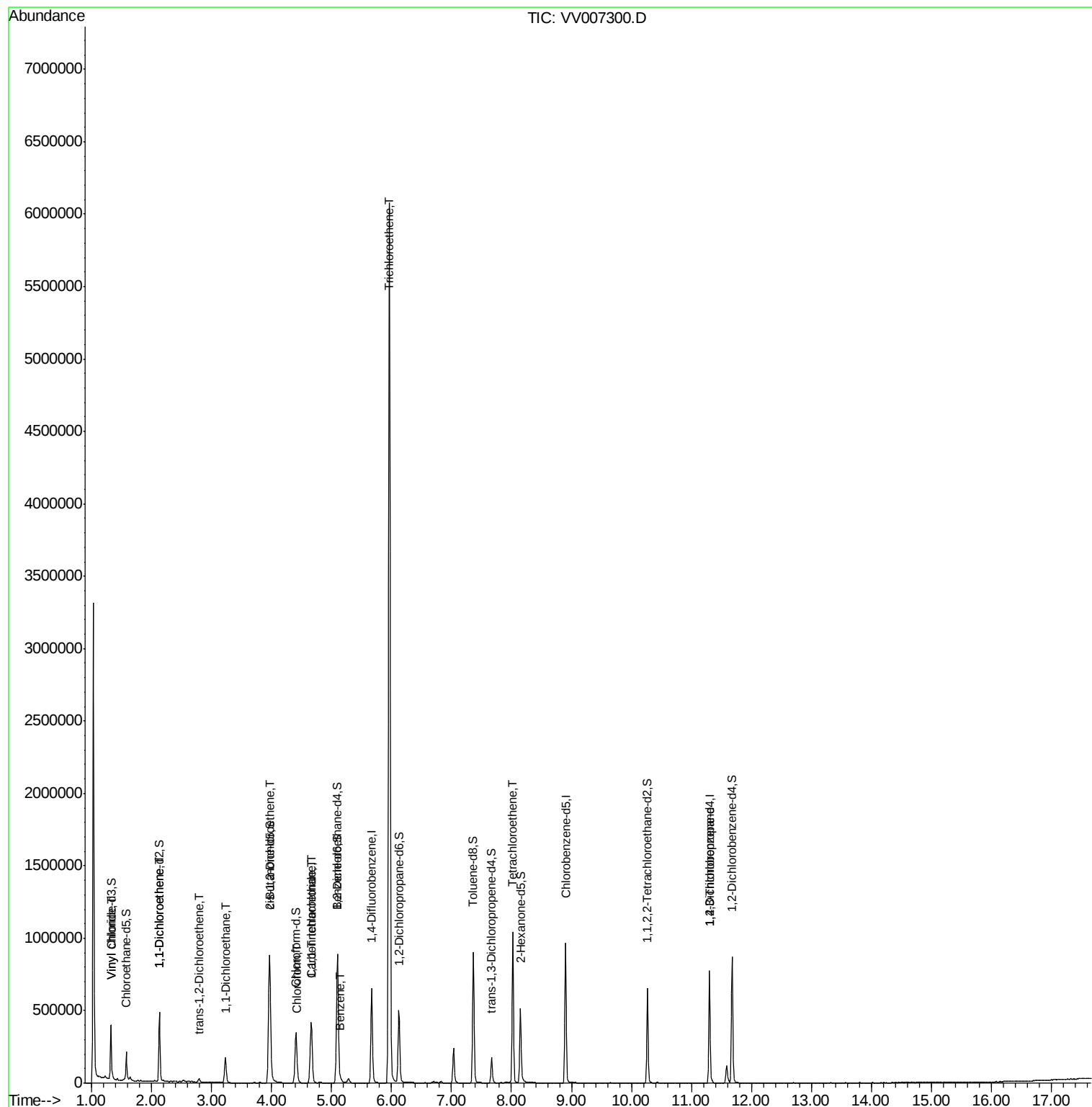
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.32	62	107707	23.304	ug/L	98
12) 1,1-Dichloroethene	2.14	96	9600	2.798	ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	6389	1.714	ug/L	96
19) 1,1-Dichloroethane	3.23	63	179396	23.802	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	426727	99.450	ug/L	100
25) Chloroform	4.44	83	15831	2.134	ug/L	97
30) 1,1,1-Trichloroethane	4.67	97	340488	54.081	ug/L	99
31) Carbon tetrachloride	4.66	117	45445	8.363	ug/L	99
33) Benzene	5.15	78	24560	1.466	ug/L	100
34) Trichloroethene	5.96	95	2124006	523.215	ug/L	99
46) Tetrachloroethene	8.02	164	246227	72.351	ug/L	98
59) 1,2,3-Trichloropropane	11.30	75	23646	4.405	ug/L	91

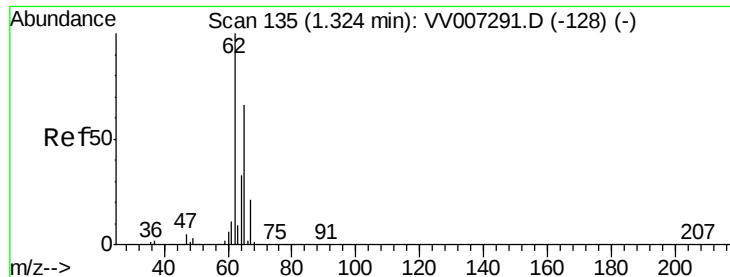
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 23.304 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Instrument :

MSVOA_V

ClientSampleId :

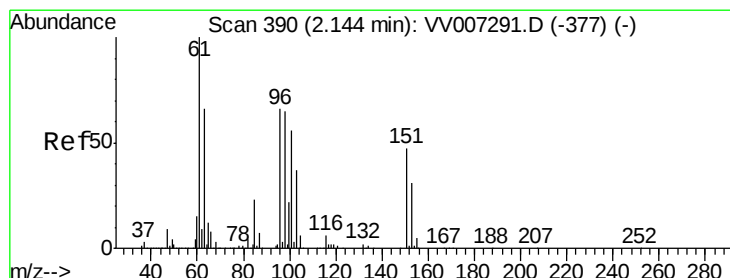
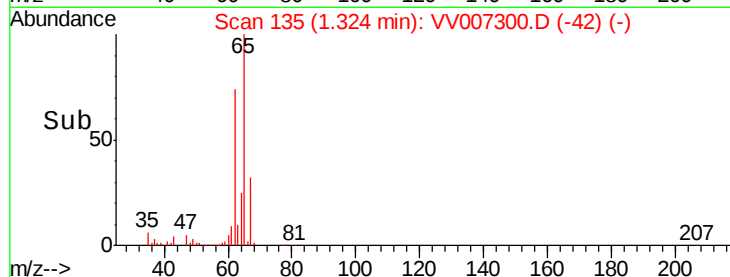
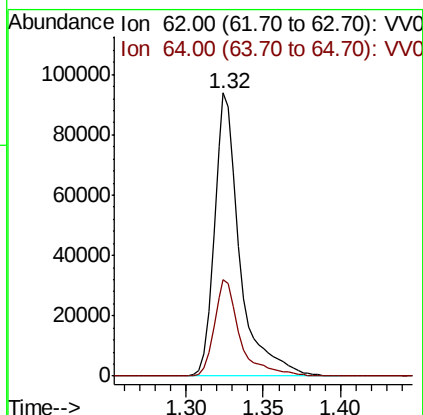
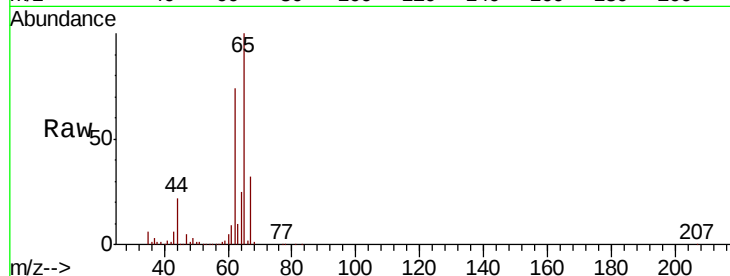
E0AA7

Tgt Ion: 62 Resp: 107707

Ion Ratio Lower Upper

62 100

64 34.2 23.2 43.0



#12

1,1-Dichloroethene

Concen: 2.798 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

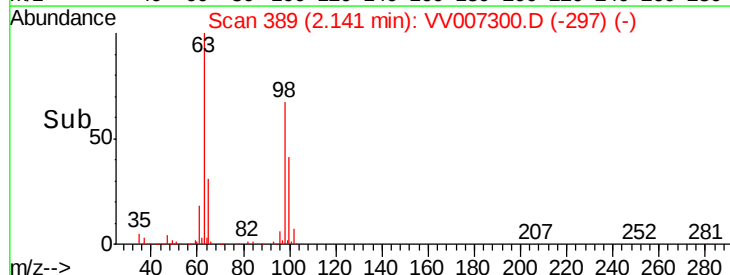
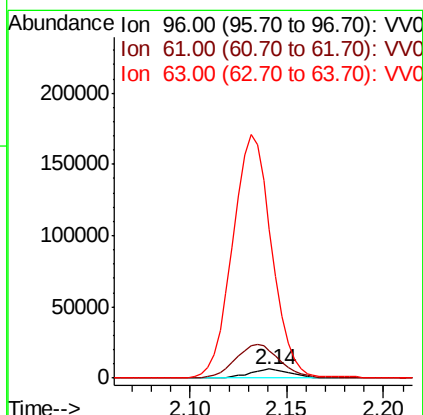
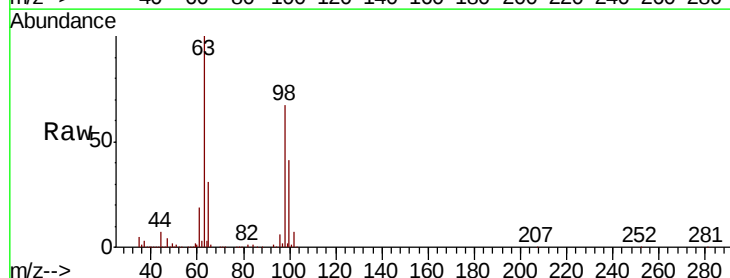
Tgt Ion: 96 Resp: 9600

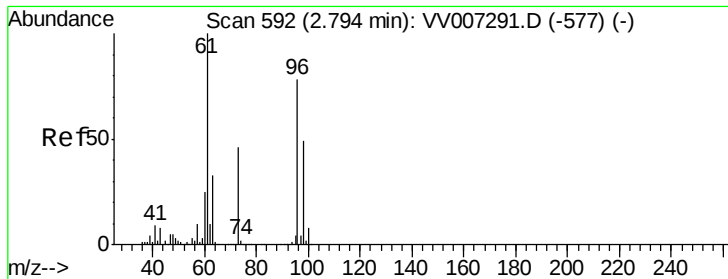
Ion Ratio Lower Upper

96 100

61 311.2 106.3 197.5#

63 1682.1 71.0 131.8#





#17

trans-1,2-Dichloroethene

Concen: 1.714 ug/L

RT: 2.79 min Scan# 592

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Instrument :

MSVOA_V

ClientSampleId :

E0AA7

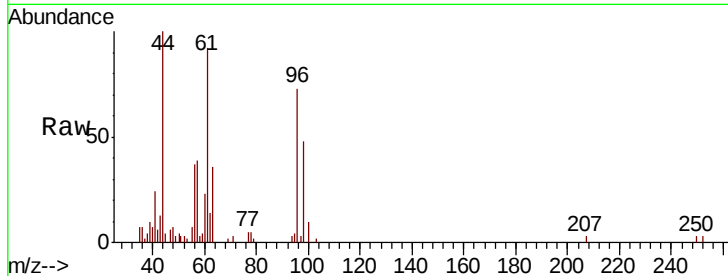
Tgt Ion: 96 Resp: 6389

Ion Ratio Lower Upper

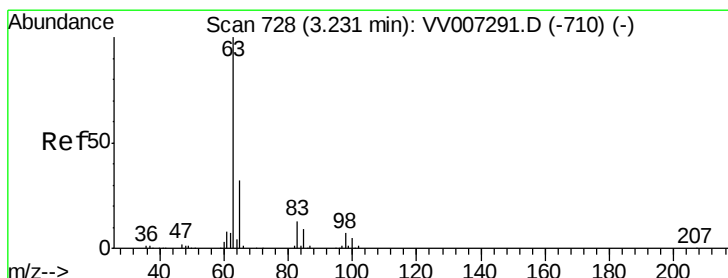
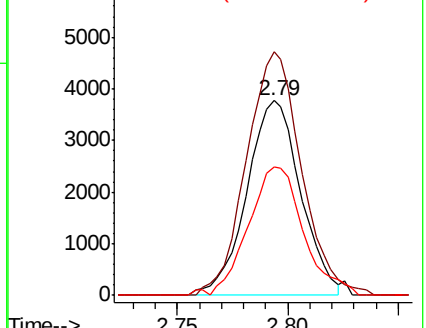
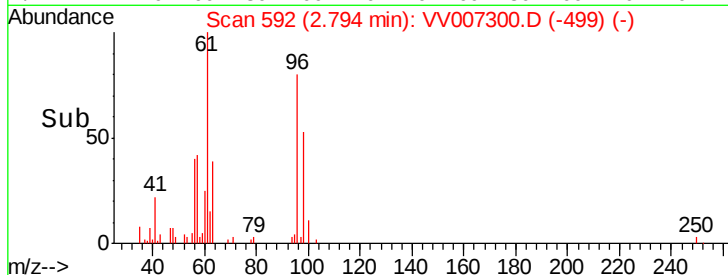
96 100

61 125.2 90.4 167.8

98 66.2 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV007300.D (-499) (-)



#19

1,1-Dichloroethane

Concen: 23.802 ug/L

RT: 3.23 min Scan# 728

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

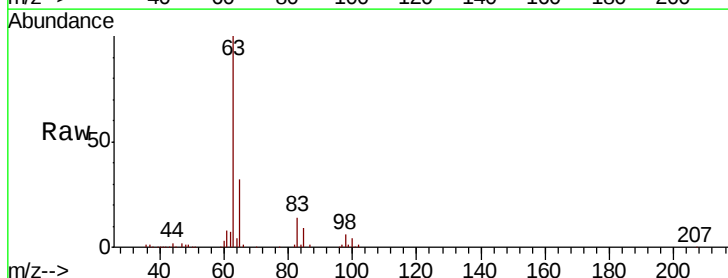
Tgt Ion: 63 Resp: 179396

Ion Ratio Lower Upper

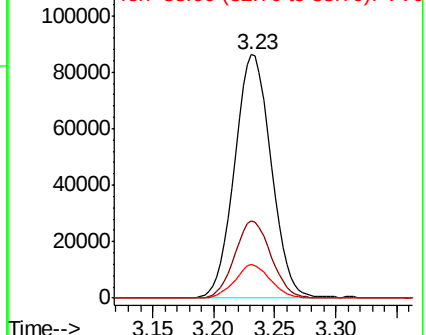
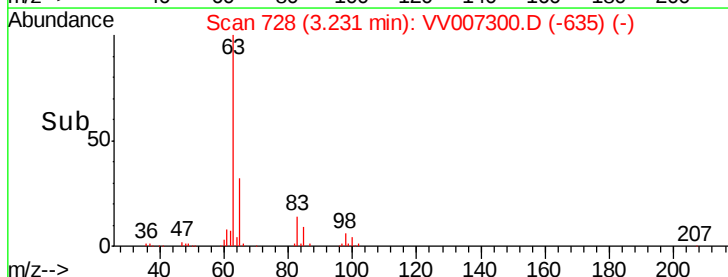
63 100

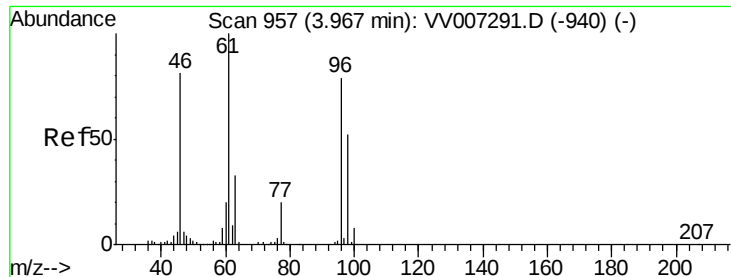
65 31.9 22.0 41.0

83 13.6 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VV007300.D (-635) (-)





#20

cis-1,2-Dichloroethene

Concen: 99.450 ug/L

RT: 3.97 min Scan# 957

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Instrument :

MSVOA_V

ClientSampleId :

E0AA7

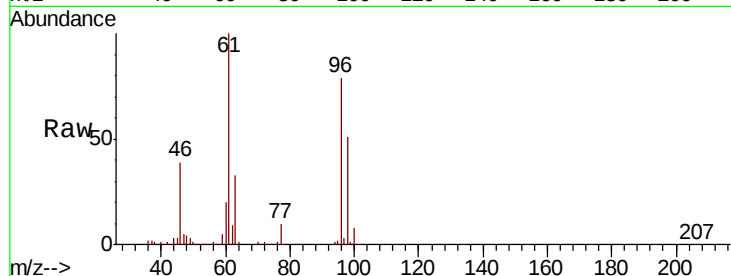
Tgt Ion: 96 Resp: 426727

Ion Ratio Lower Upper

96 100

61 125.9 88.4 164.2

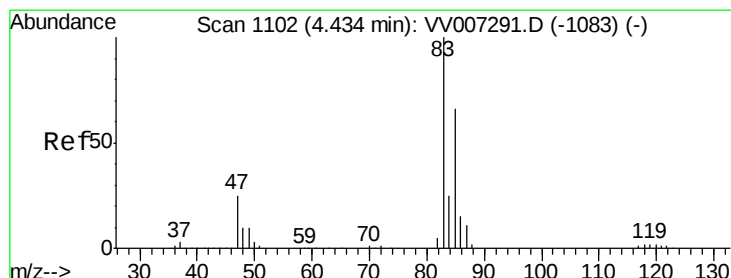
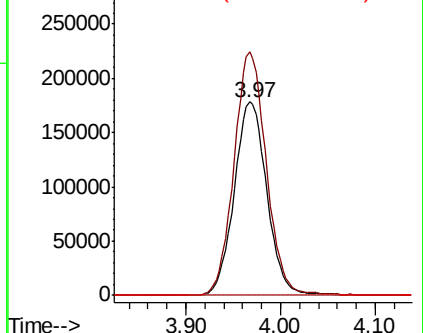
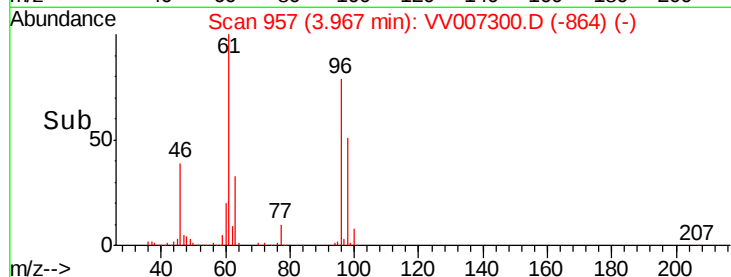
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV007300.D (-864) (-)

Ion 61.00 (60.70 to 61.70): VV007300.D (-864) (-)

Ion 68.00 (67.70 to 68.70): VV007300.D (-864) (-)



#25

Chloroform

Concen: 2.134 ug/L

RT: 4.44 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV007300.D

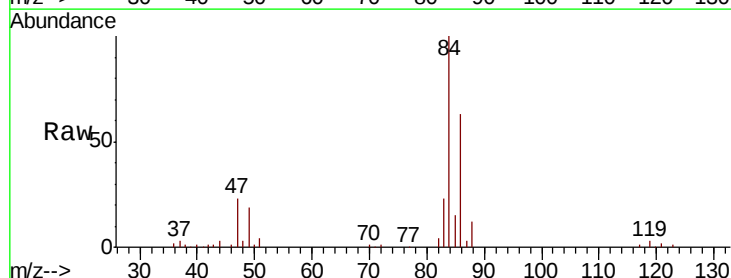
Acq: 31 Aug 2018 15:00

Tgt Ion: 83 Resp: 15831

Ion Ratio Lower Upper

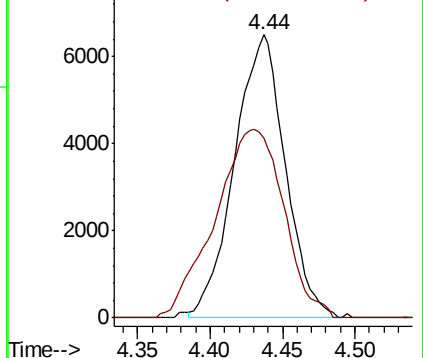
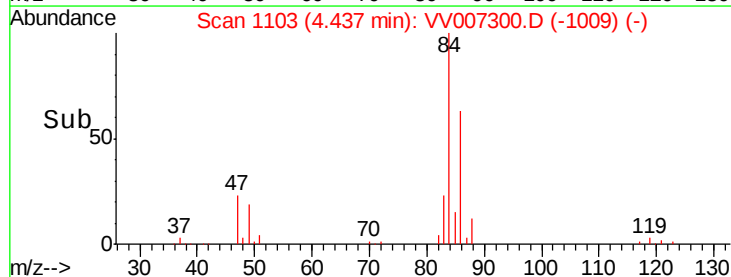
83 100

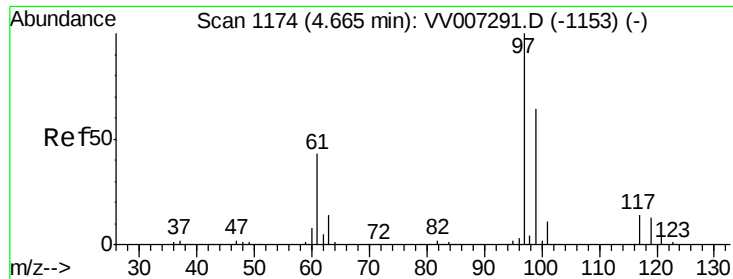
85 63.4 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV007300.D (-1009) (-)

Ion 85.00 (84.70 to 85.70): VV007300.D (-1009) (-)

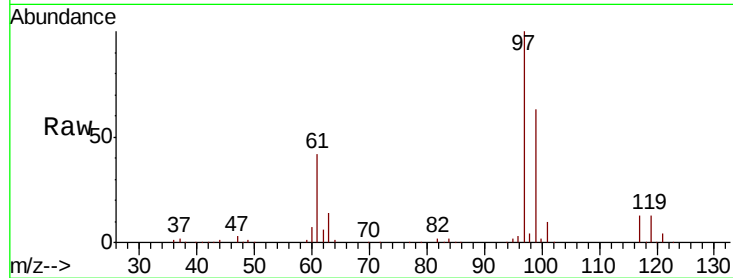




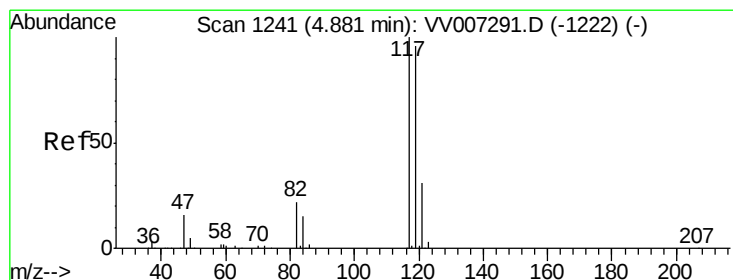
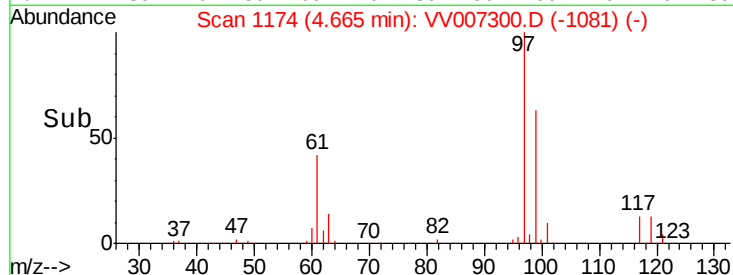
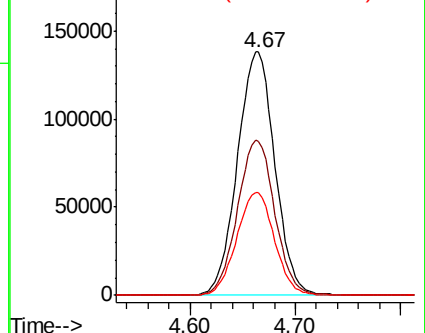
#30
 1,1,1-Trichloroethane
 Concen: 54.081 ug/L
 RT: 4.67 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VV007300.D
 Acq: 31 Aug 2018 15:00

Instrument :
 MSVOA_V
 ClientSampleId :
 E0AA7

Tgt Ion: 97 Resp: 340488
 Ion Ratio Lower Upper
 97 100
 99 63.6 51.4 77.0
 61 42.7 34.6 51.8

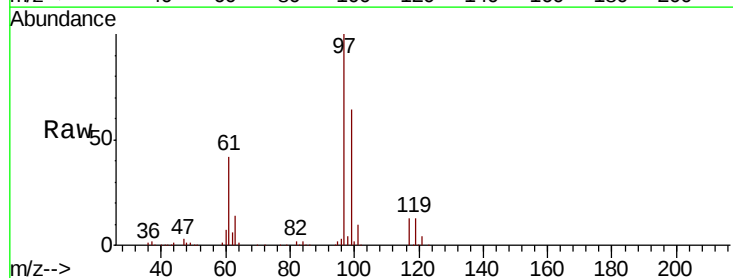


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

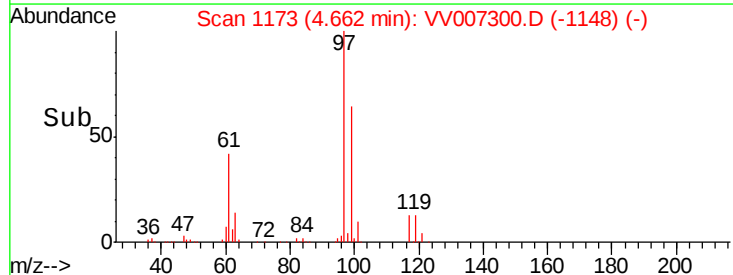
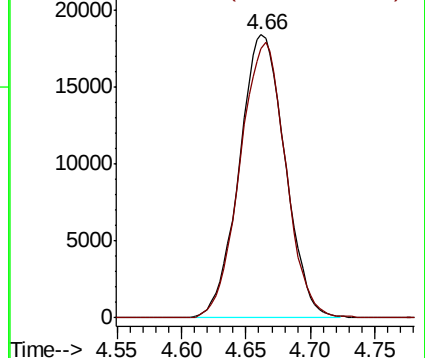


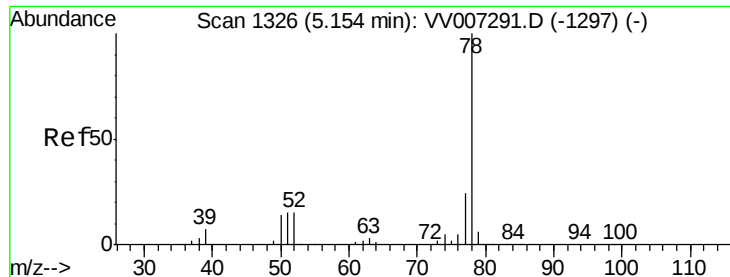
#31
 Carbon tetrachloride
 Concen: 8.363 ug/L
 RT: 4.66 min Scan# 1173
 Delta R.T. -0.22 min
 Lab File: VV007300.D
 Acq: 31 Aug 2018 15:00

Tgt Ion: 117 Resp: 45445
 Ion Ratio Lower Upper
 117 100
 119 97.0 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 1.466 ug/L

RT: 5.15 min Scan# 1325

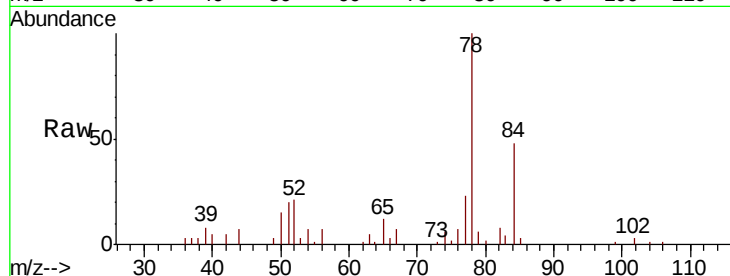
Delta R.T. -0.00 min

Lab File: VV007300.D

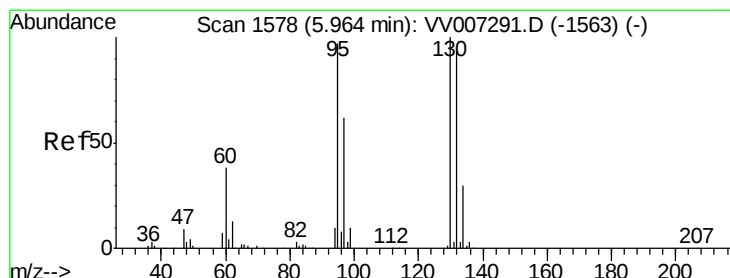
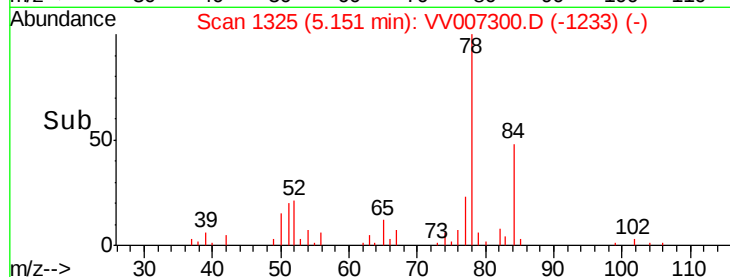
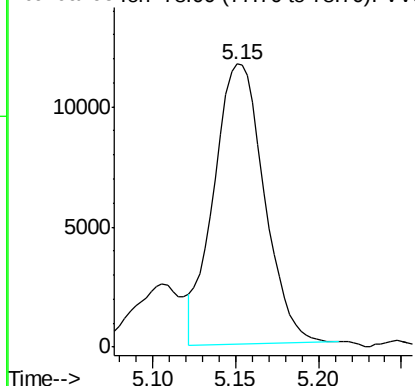
Acq: 31 Aug 2018 15:00

Instrument :
MSVOA_V
ClientSampleId :
E0AA7

Tgt Ion: 78 Resp: 24560



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 523.215 ug/L

RT: 5.96 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Tgt Ion: 95 Resp: 2124006

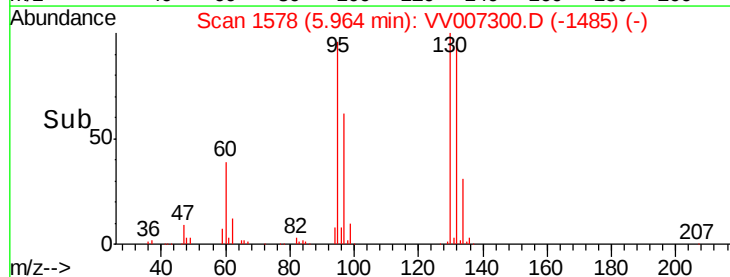
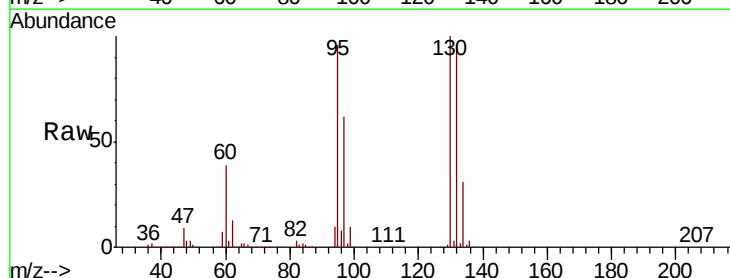
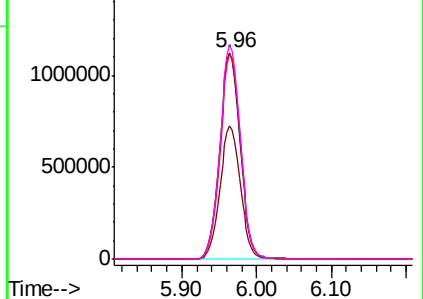
Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.1	83.9
132	99.5	68.3	126.9
130	103.7	72.4	134.5

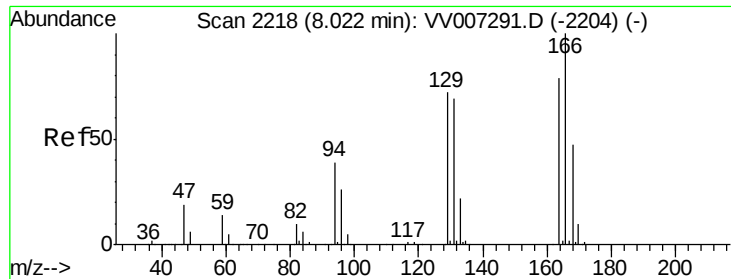
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#46

Tetrachloroethene

Concen: 72.351 ug/L

RT: 8.02 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VV007300.D

Acq: 31 Aug 2018 15:00

Instrument :

MSVOA_V

ClientSampleId :

E0AA7

Tgt Ion:164 Resp: 246227

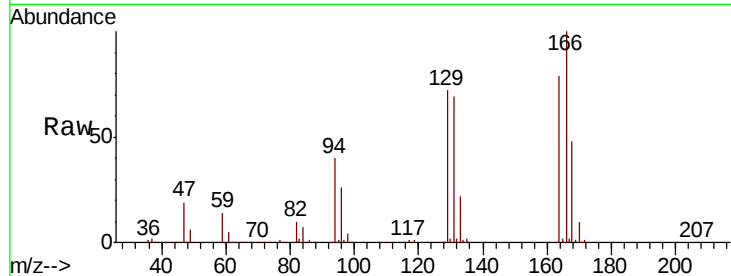
Ion Ratio Lower Upper

164 100

129 90.0 64.5 119.7

131 86.4 61.2 113.8

166 125.8 89.1 165.5

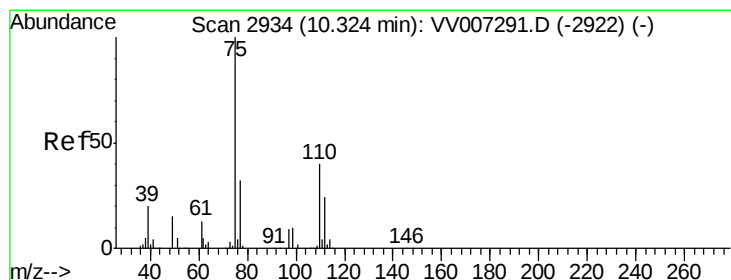
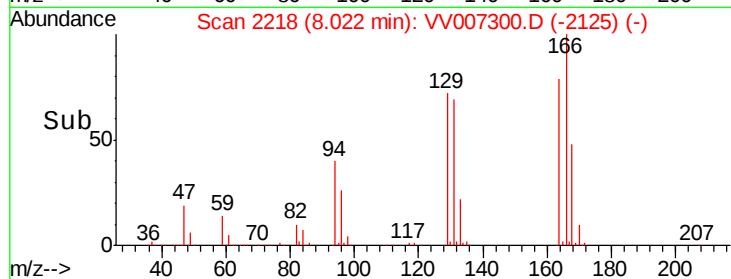
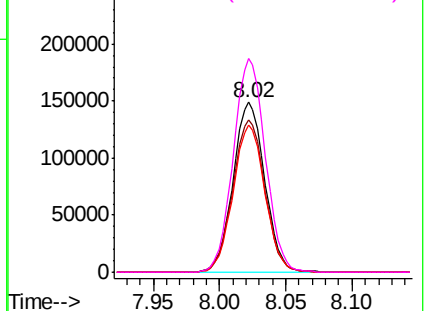


Abundance Ion 164.00 (163.70 to 164.70): V

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



#59

1,2,3-Trichloropropane

Concen: 4.405 ug/L

RT: 11.30 min Scan# 3237

Delta R.T. 0.97 min

Lab File: VV007300.D

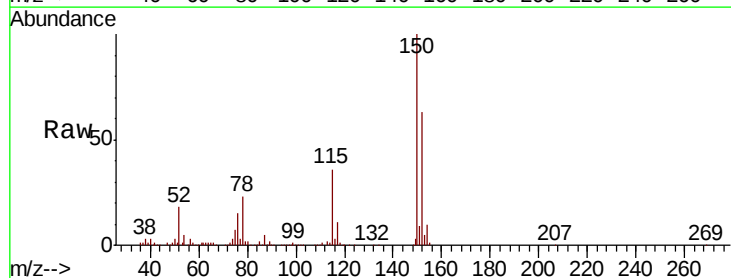
Acq: 31 Aug 2018 15:00

Tgt Ion: 75 Resp: 23646

Ion Ratio Lower Upper

75 100

77 37.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

