

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007914.D
 Acq On : 27 Sep 2018 18:28
 Operator : SY/MD
 Sample : J5011-10DL 4X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 00:46:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 00:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	82224	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	77460	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39196	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20780	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.59	69	19032	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.14	63	35150	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	3.96	46	63939	48.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.46%
24) Chloroform-d	4.41	84	47961	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.09	65	26727	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.10	84	94675	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.40%
36) 1,2-Dichloropropane-d6	6.13	67	29302	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.36	98	88249	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	7.67	79	9666	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.14	63	46032	46.20	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.40%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21499	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	37163	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.33	62	1722	0.262	ug/L #	65
8) Chloroethane	1.33	64	890	0.225	ug/L #	59
12) 1,1-Dichloroethene	2.15	96	1078	0.198	ug/L #	1
16) Methylene chloride	2.54	84	1337	0.221	ug/L	93
19) 1,1-Dichloroethane	3.23	63	3058	0.299	ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	12407	2.045	ug/L	95
29) 1,1,1-Trichloroethane	4.66	97	10298	1.106	ug/L	96
31) Carbon tetrachloride	4.67	117	1325	0.161	ug/L	97
34) Trichloroethene	5.96	95	39641	6.242	ug/L	98
35) Methylcyclohexane	6.12	83	7106	0.746	ug/L #	18
37) 1,2-Dichloropropane	6.13	63	3463	0.611	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	731	0.096	ug/L #	40
47) Tetrachloroethene	8.02	164	1653	0.281	ug/L	94
48) 2-Hexanone	8.14	43	6524	2.637	ug/L #	77
49) Dibromochloromethane	8.02	129	1589	0.340	ug/L #	12

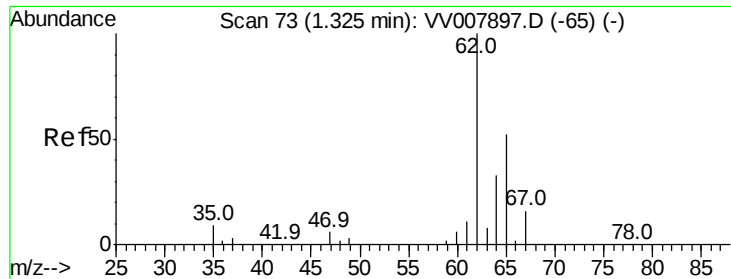
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
Data File : VV007914.D
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 28 00:42:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#5

Vinyl chloride

Concen: 0.262 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

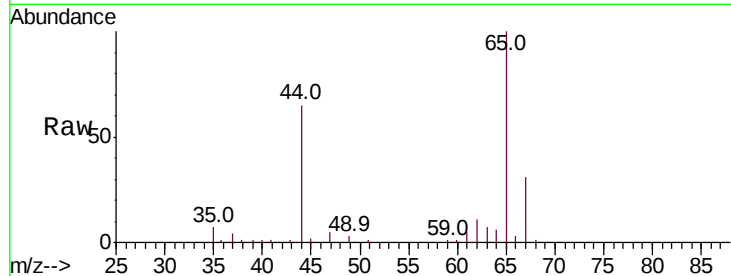
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 1722

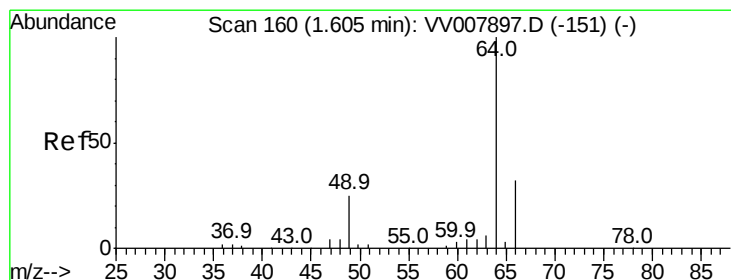
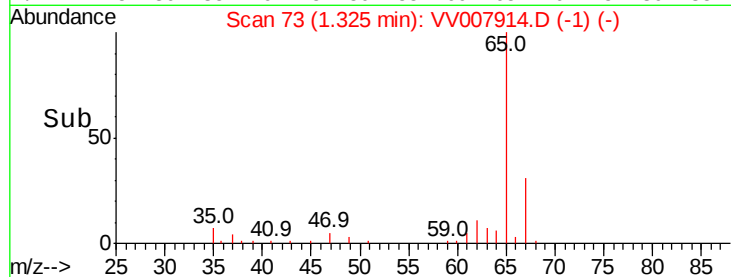
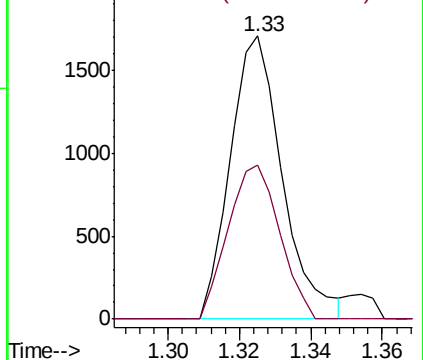
Ion Ratio Lower Upper

62 100

64 54.6 24.0 44.6#



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 0.225 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV007914.D

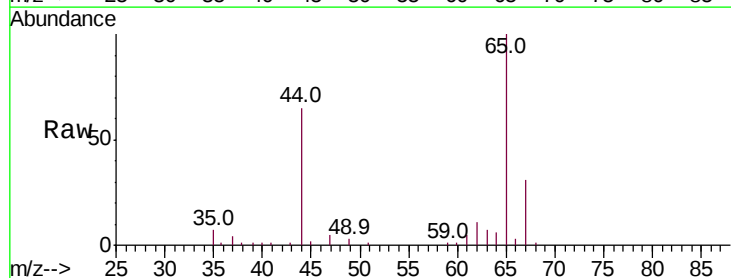
Acq: 27 Sep 2018 18:28

Tgt Ion: 64 Resp: 890

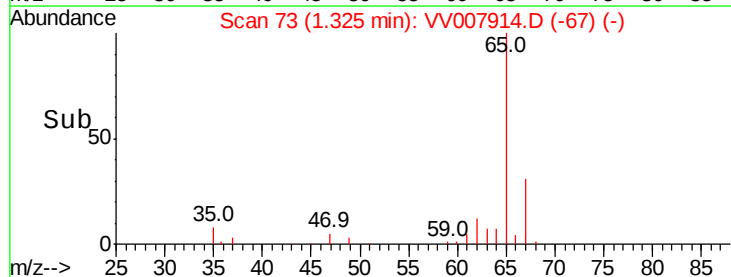
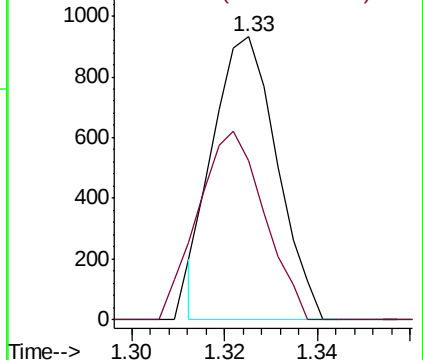
Ion Ratio Lower Upper

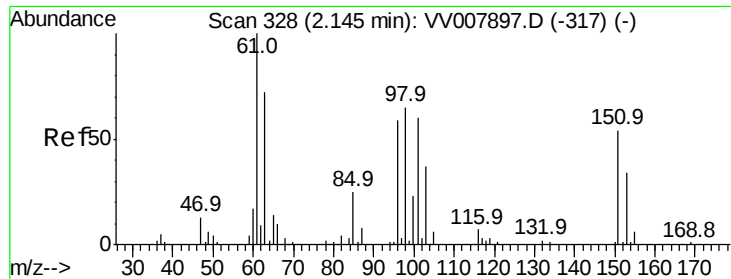
64 100

66 56.4 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV0
Ion 66.05 (65.75 to 66.75): VV0

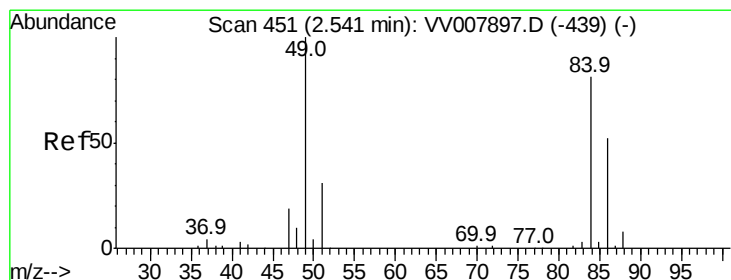
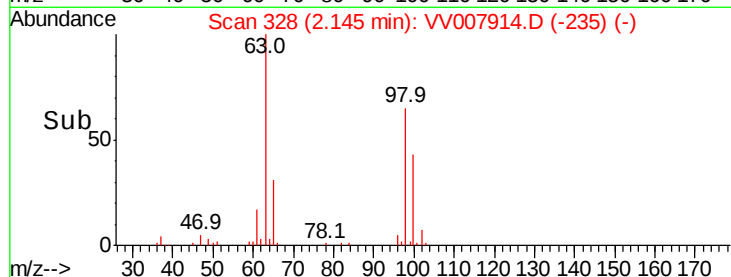
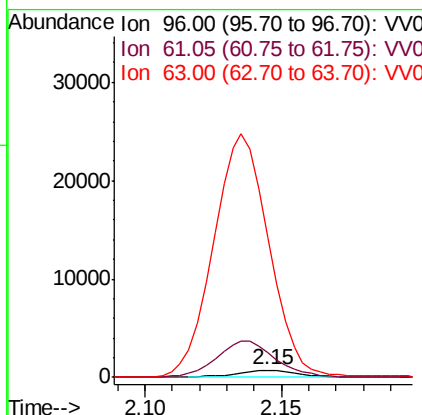
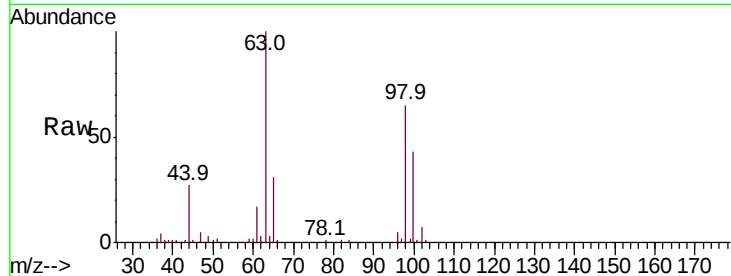




#12
 1,1-Dichloroethene
 Concen: 0.198 ug/L
 RT: 2.15 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VV007914.D
 Acq: 27 Sep 2018 18:28

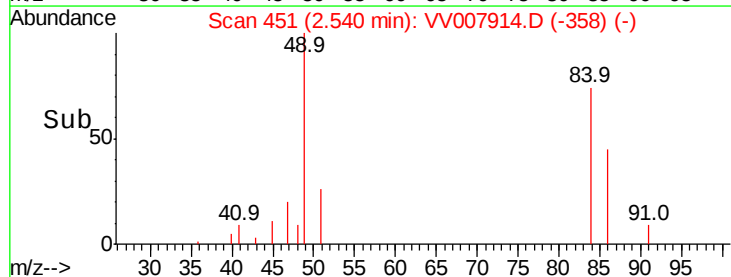
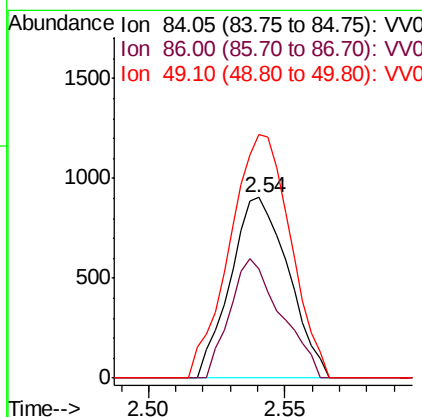
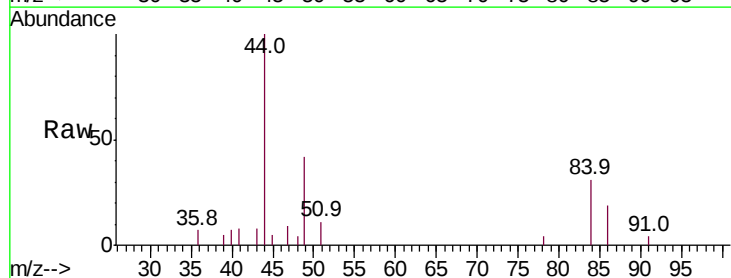
Instrument :
 MSVOA_V
 ClientSampleId :

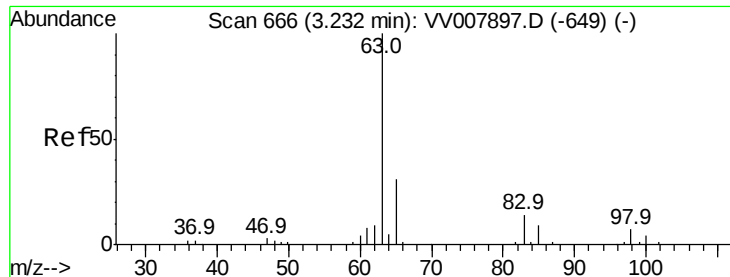
Tot Ion: 96 Resp: 1078
 Ion Ratio Lower Upper
 96 100
 61 349.0 114.1 211.9#
 63 2005.2 81.5 151.3#



#16
 Methylene chloride
 Concen: 0.221 ug/L
 RT: 2.54 min Scan# 451
 Delta R.T. -0.00 min
 Lab File: VV007914.D
 Acq: 27 Sep 2018 18:28

Tgt Ion: 84 Resp: 1337
 Ion Ratio Lower Upper
 84 100
 86 60.4 47.3 87.8
 49 134.8 90.0 167.2





#19

1,1-Dichloroethane

Concen: 0.299 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

Instrument :

MSVOA_V

ClientSampleId :

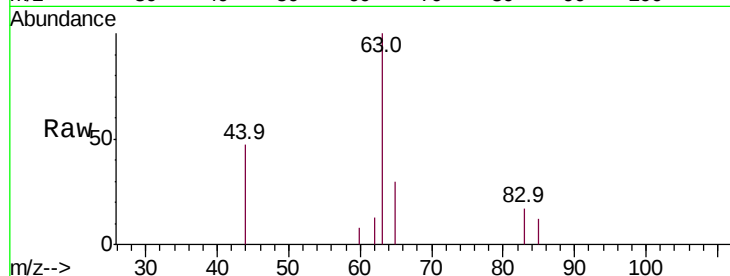
Tot Ion: 63 Resp: 3058

Ion Ratio Lower Upper

63 100

65 30.4 22.3 41.5

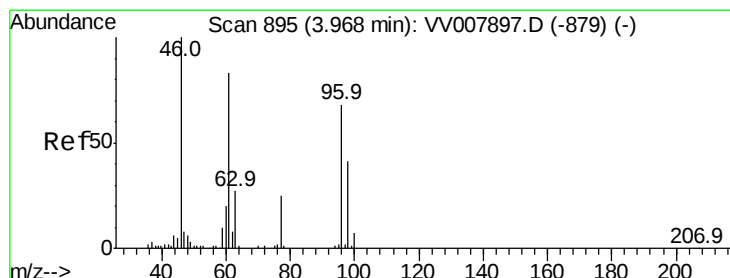
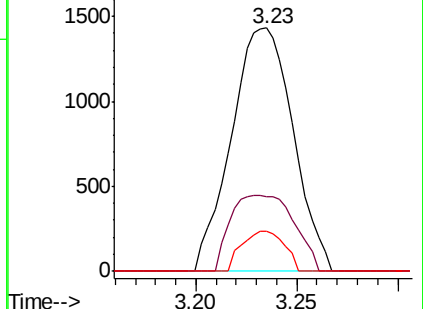
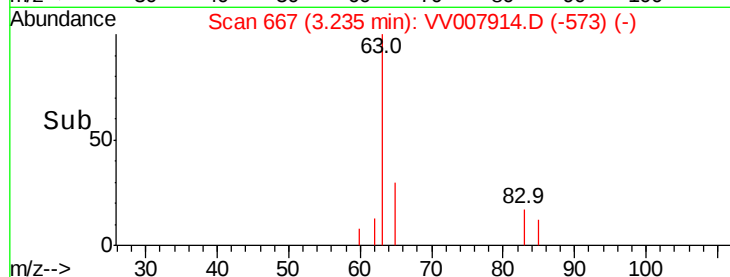
83 16.7 9.8 18.2



Abundance Ion 63.10 (62.80 to 63.80): VV007914.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV007914.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV007914.D (-649) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.045 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

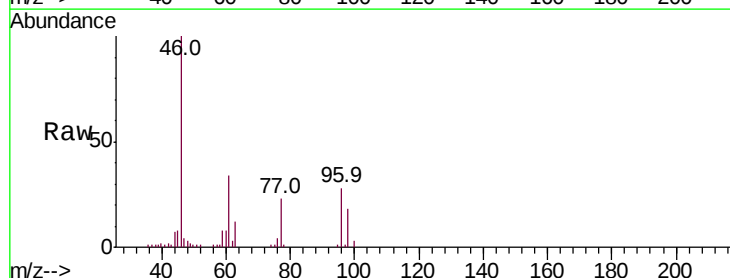
Tgt Ion: 96 Resp: 12407

Ion Ratio Lower Upper

96 100

61 121.6 89.5 166.1

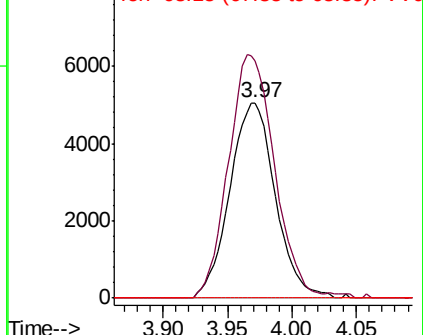
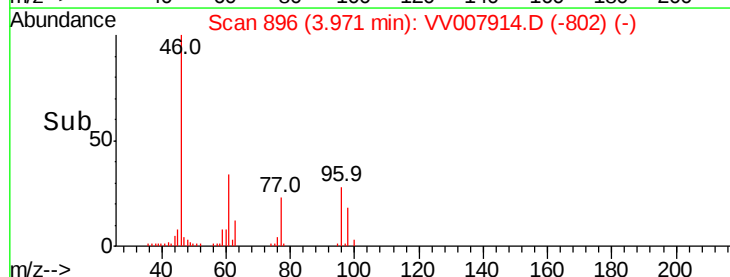
68 0.0 0.0 0.0

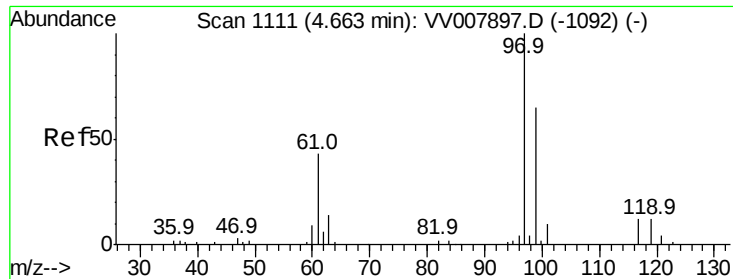


Abundance Ion 96.00 (95.70 to 96.70): VV007914.D (-802) (-)

Ion 61.05 (60.75 to 61.75): VV007914.D (-802) (-)

Ion 68.15 (67.85 to 68.85): VV007914.D (-802) (-)

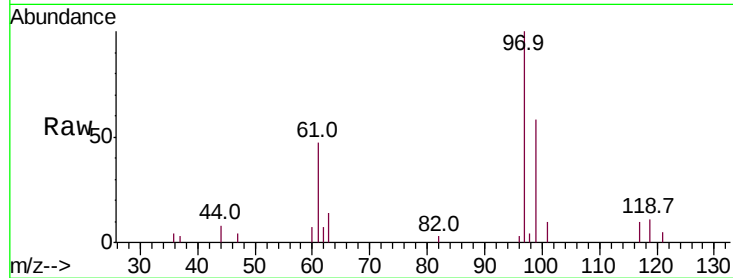




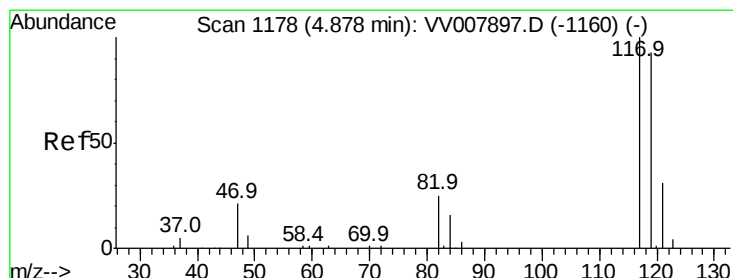
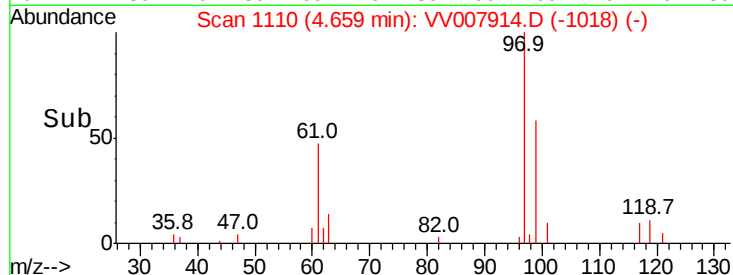
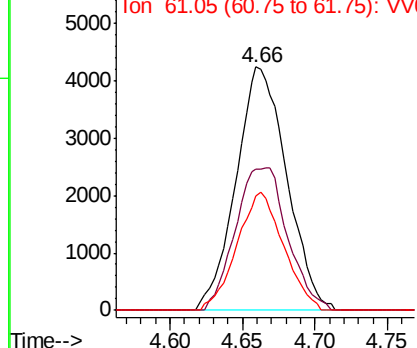
#29
1,1,1-Trichloroethane
Concen: 1.106 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV007914.D
Acq: 27 Sep 2018 18:28

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 97 Resp: 10298
Ion Ratio Lower Upper
97 100
99 60.4 51.2 76.8
61 44.6 34.6 52.0

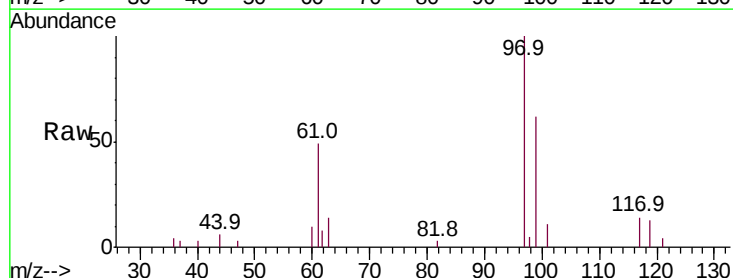


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

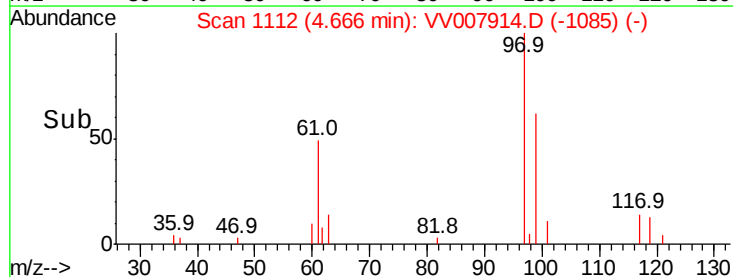
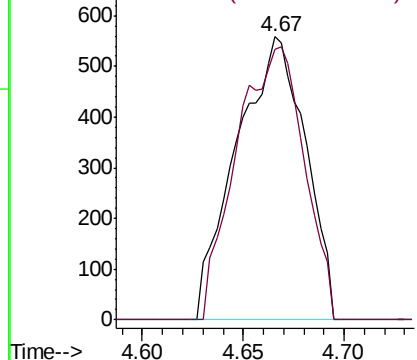


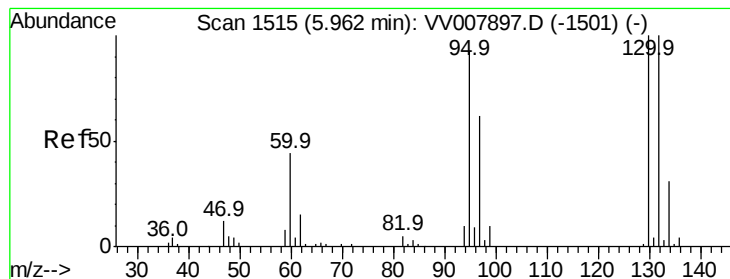
#31
Carbon tetrachloride
Concen: 0.161 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.21 min
Lab File: VV007914.D
Acq: 27 Sep 2018 18:28

Tgt Ion: 117 Resp: 1325
Ion Ratio Lower Upper
117 100
119 94.8 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V





#34

Trichloroethene

Concen: 6.242 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 95 Resp: 39641

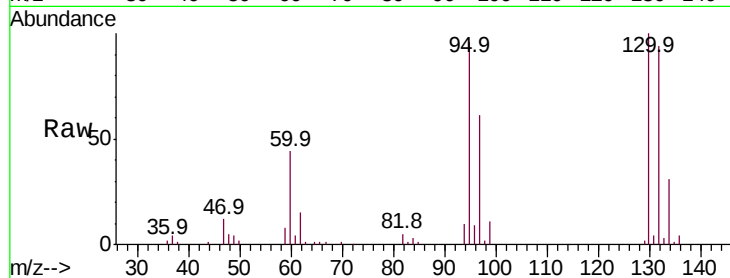
Ion Ratio Lower Upper

95 100

97 63.8 43.6 81.0

132 98.8 69.9 129.9

130 104.6 71.7 133.3

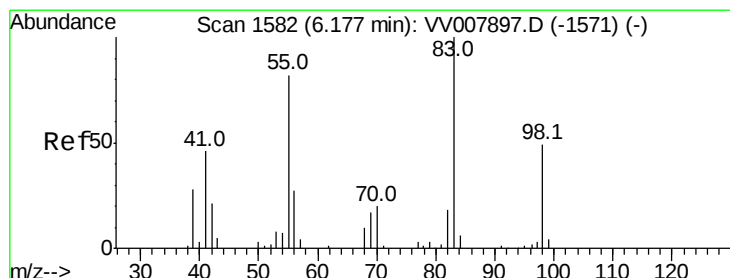
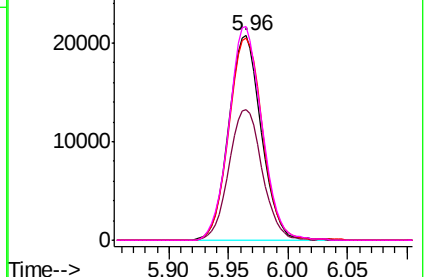
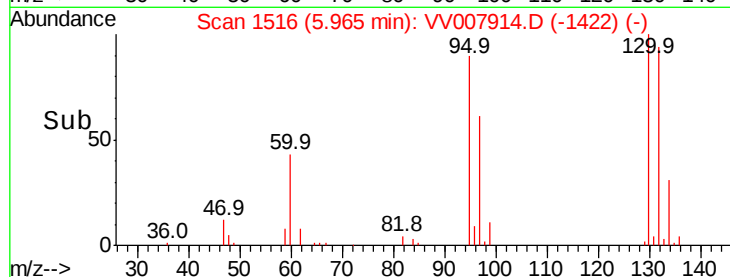


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.746 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

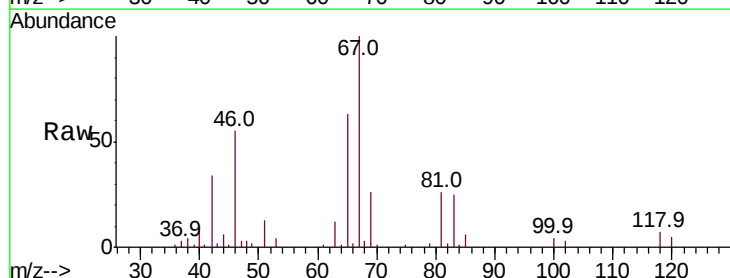
Tgt Ion: 83 Resp: 7106

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

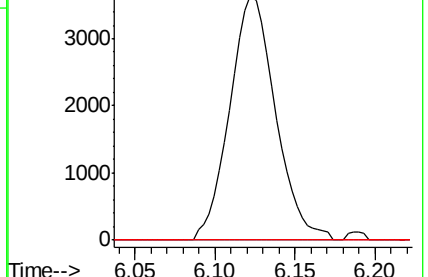
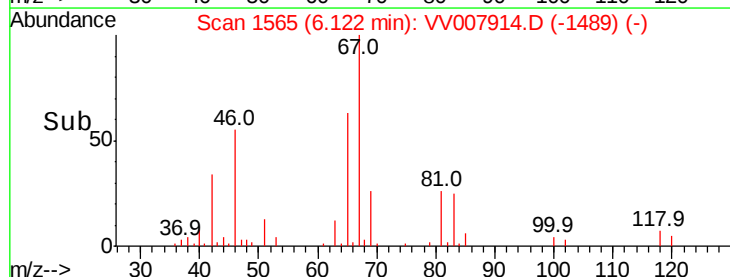
98 0.8 38.0 57.0#

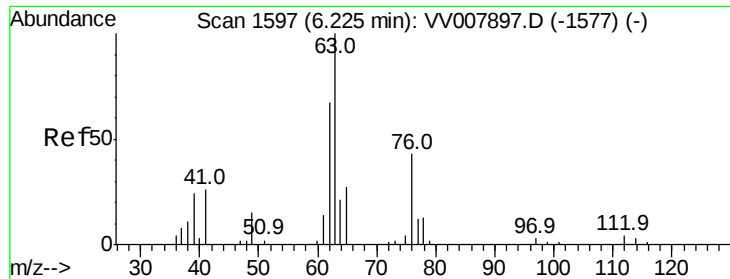


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.611 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

Instrument :

MSVOA_V

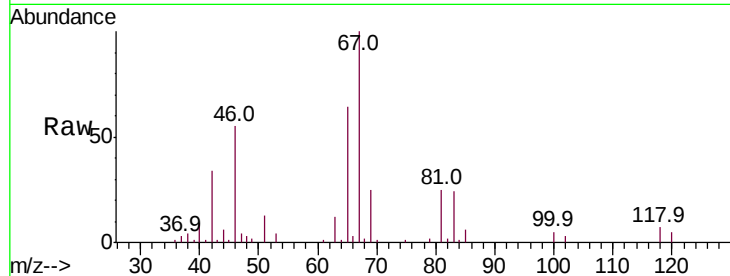
ClientSampled :

Tot Ion: 63 Resp: 3463

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV007897.D (-1577) (-)

Ion 112.10 (111.80 to 112.80): VV007897.D (-1577) (-)

6.13

2000

1500

1000

500

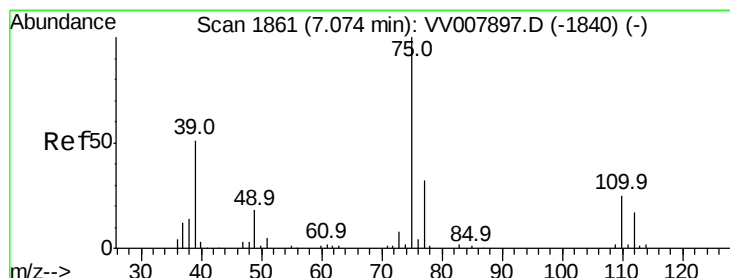
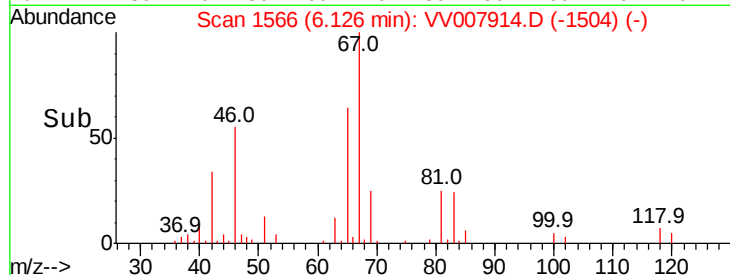
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Time-->

6.05

6.10

6.15



#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV007914.D

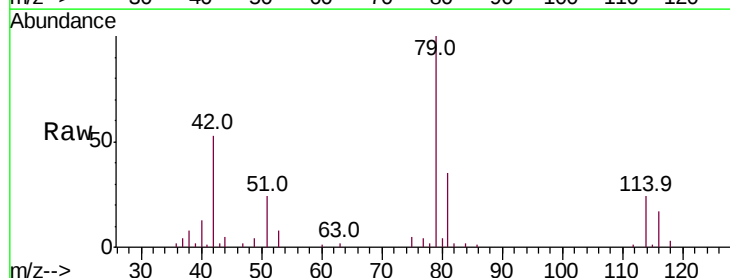
Acq: 27 Sep 2018 18:28

Tgt Ion: 75 Resp: 731

Ion Ratio Lower Upper

75 100

77 66.7 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007897.D (-1840) (-)

Ion 77.05 (76.75 to 77.75): VV007897.D (-1840) (-)

7.03

500

400

300

200

100

0

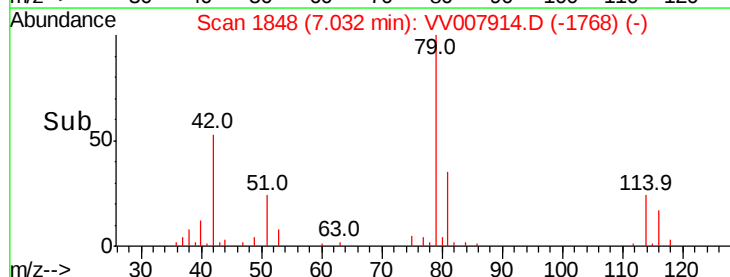
Time-->

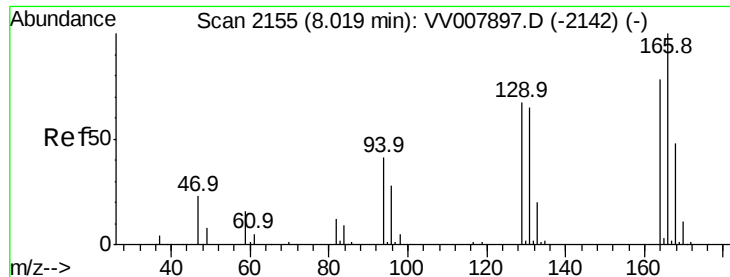
7.00

7.02

7.04

7.06





#47

Tetrachloroethene

Concen: 0.281 ug/L

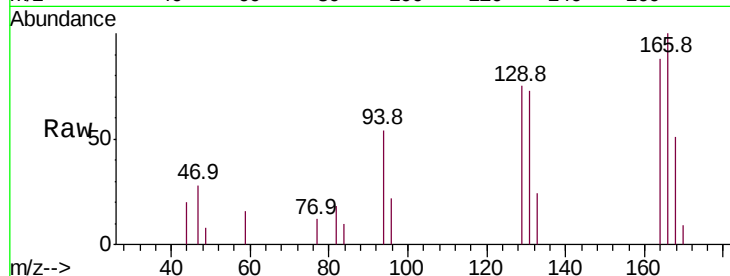
RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

Instrument :
MSVOA_V
ClientSampled :



Tot Ion:164 Resp: 1653

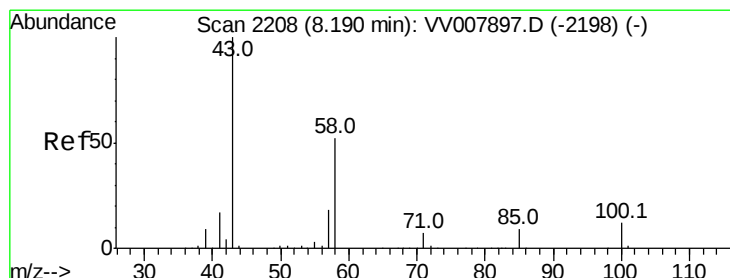
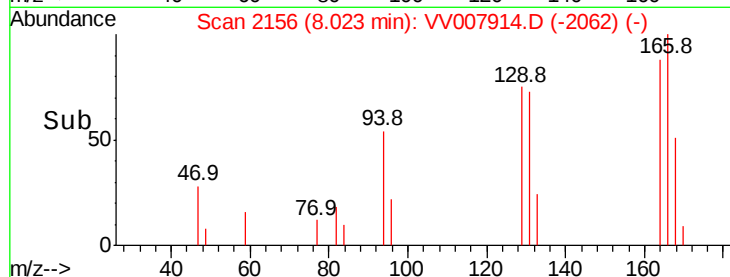
Ion Ratio Lower Upper

164 100

129 85.6 59.2 110.0

131 82.8 57.1 106.1

166 113.5 88.6 164.6



#48

2-Hexanone

Concen: 2.637 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

Tgt Ion: 43 Resp: 6524

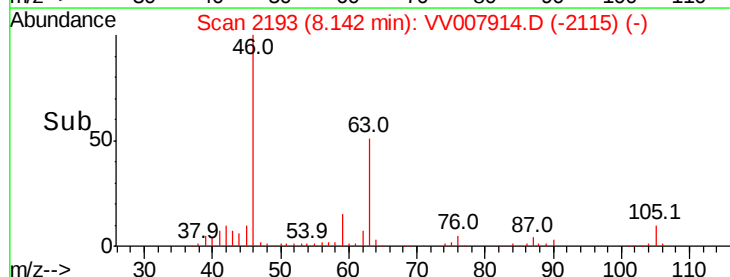
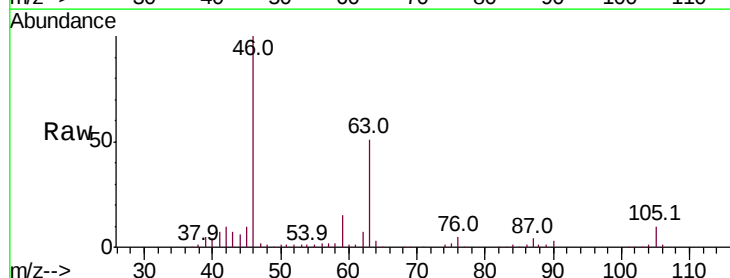
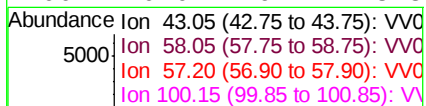
Ion Ratio Lower Upper

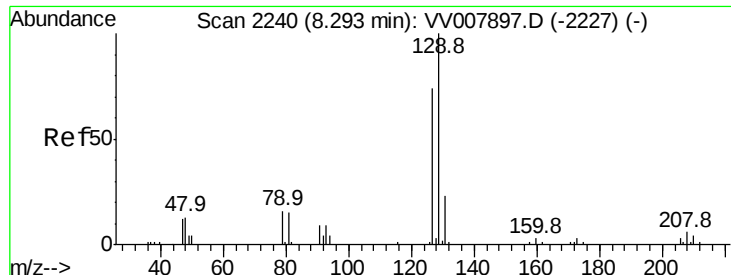
43 100

58 37.7 41.9 62.9#

57 28.5 14.3 21.5#

100 0.0 9.2 13.8#





#49

Dibromochloromethane

Concen: 0.340 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV007914.D

Acq: 27 Sep 2018 18:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 1589

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#

