

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007917.D
 Acq On : 27 Sep 2018 19:50
 Operator : SY/MD
 Sample : J5063-20MSD
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 00:46:24 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	87447	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	83887	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41681	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22711	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.59	69	20650	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.00%
11) 1,1-Dichloroethene-d2	2.14	63	53929	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.80%
20) 2-Butanone-d5	3.96	46	68767	48.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.54%
24) Chloroform-d	4.41	84	53298	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
26) 1,2-Dichloroethane-d4	5.09	65	29331	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.10	84	101820	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.12	67	32372	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	95941	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.67	79	10562	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.14	63	50590	46.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23284	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	40760	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

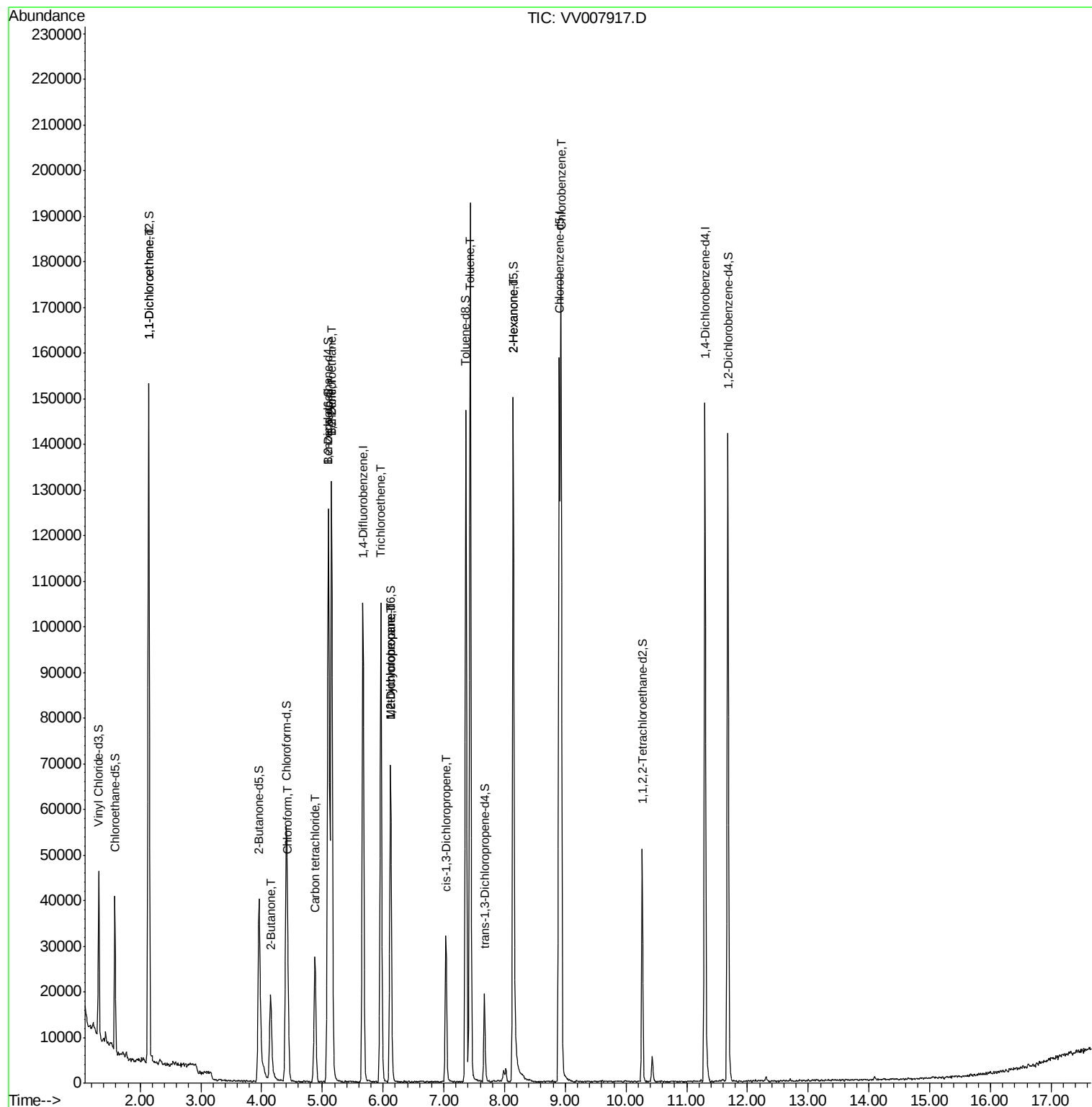
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.14	96	29796	5.155	ug/L	99
21) 2-Butanone	4.15	43	31492	19.240	ug/L #	50
25) Chloroform	4.43	83	12849	1.093	ug/L	92
27) 1,2-Dichloroethane	5.15	62	1029	0.136	ug/L #	77
31) Carbon tetrachloride	4.88	117	20091	2.259	ug/L	99
33) Benzene	5.15	78	126645	5.272	ug/L	100
34) Trichloroethene	5.96	95	34743	5.051	ug/L	96
35) Methylcyclohexane	6.12	83	7869	0.763	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	3779	0.616	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	875	0.107	ug/L #	51
42) Toluene	7.43	91	137541	5.258	ug/L	98
48) 2-Hexanone	8.14	43	6780	2.531	ug/L #	78
51) Chlorobenzene	8.93	112	90371	5.001	ug/L	99

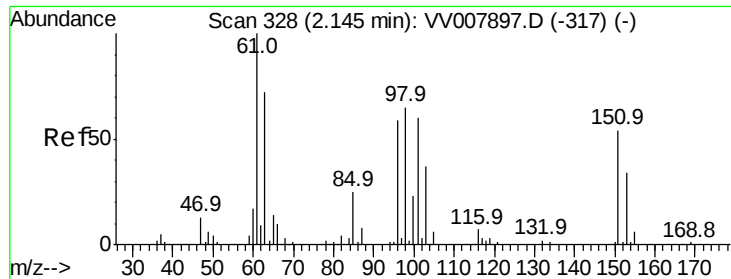
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 28 00:42:21 2018
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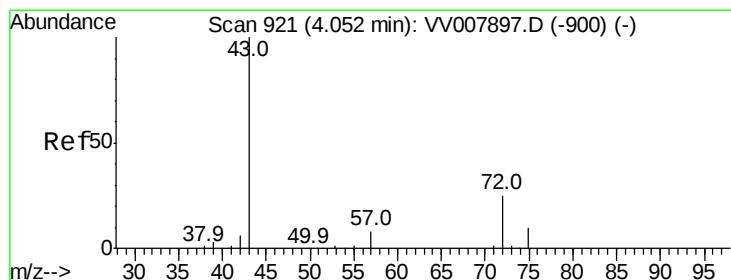
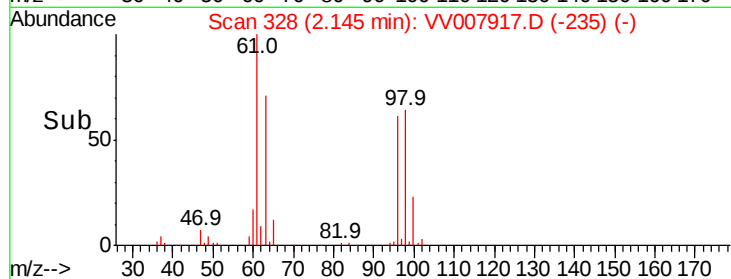
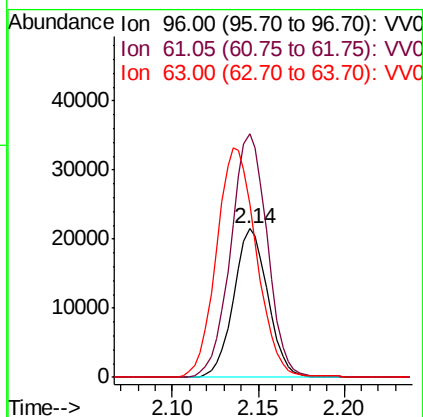
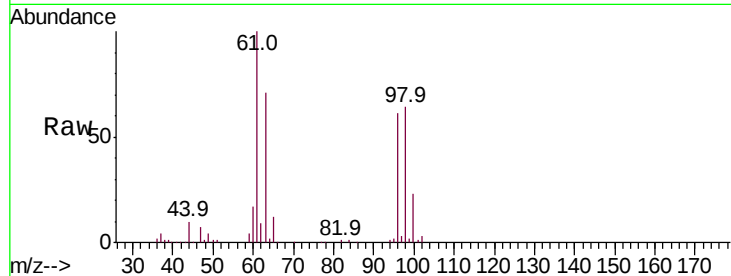




#12
 1,1-Dichloroethene
 Concen: 5.155 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VV007917.D
 Acq: 27 Sep 2018 19:50

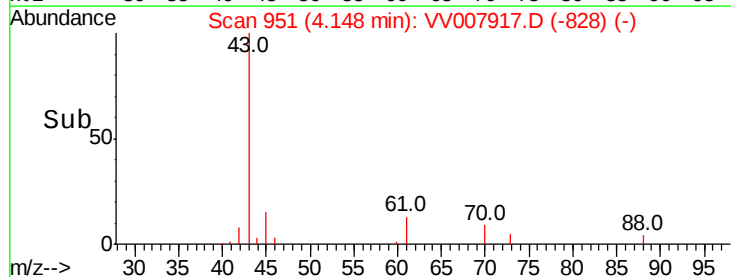
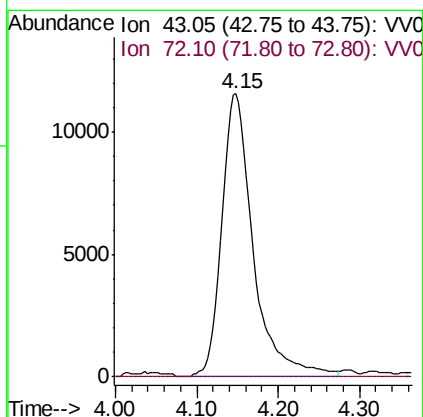
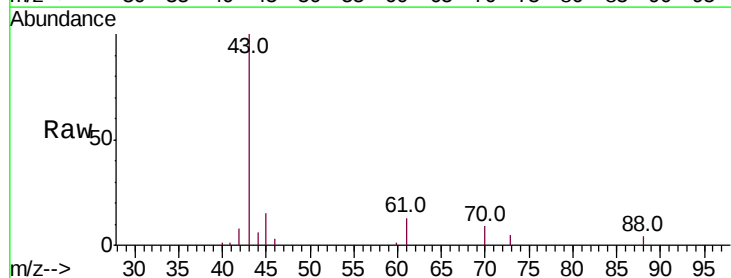
Instrument :
 MSVOA_V
 ClientSampled :

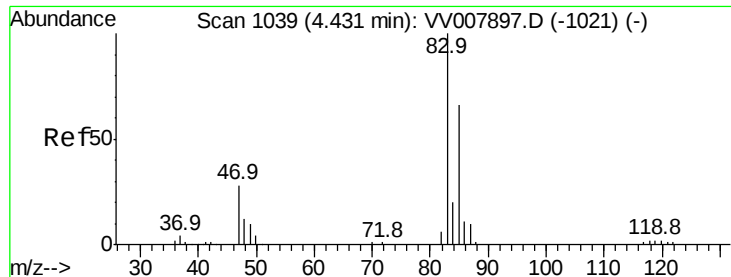
Tot Ion	Ratio	Lower	Upper
96	100		
61	163.9	114.1	211.9
63	116.9	81.5	151.3



#21
 2-Butanone
 Concen: 19.240 ug/L
 RT: 4.15 min Scan# 951
 Delta R.T. 0.10 min
 Lab File: VV007917.D
 Acq: 27 Sep 2018 19:50

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	12.5	37.5#





#25

Chloroform

Concen: 1.093 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VV007917.D

Acq: 27 Sep 2018 19:50

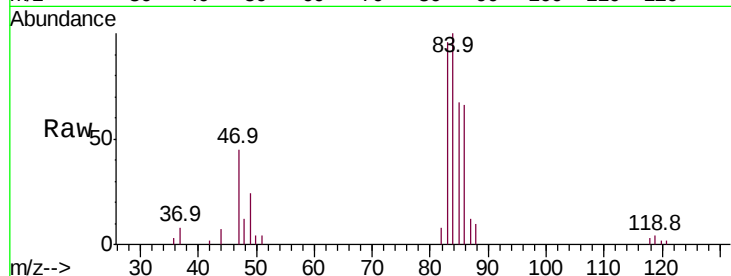
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 83 Resp: 12849

Ion Ratio Lower Upper

83 100

85 70.0 44.8 83.2

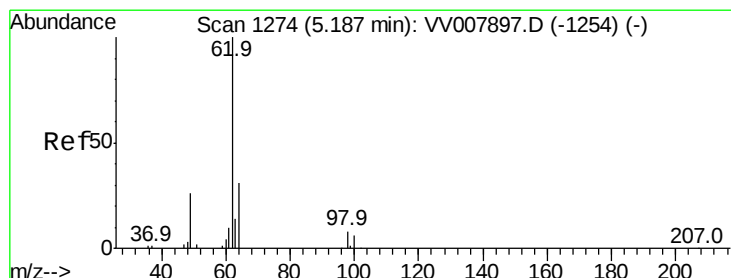
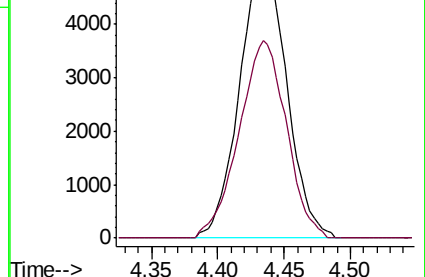
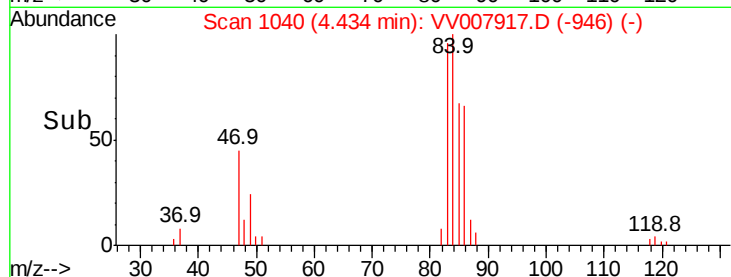


Abundance Ion 83.05 (82.75 to 83.75): VV007917.D (-1021) (-)

Ion 85.00 (84.70 to 85.70): VV007917.D (-1021) (-)

4.43

Time-->



#27

1,2-Dichloroethane

Concen: 0.136 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.04 min

Lab File: VV007917.D

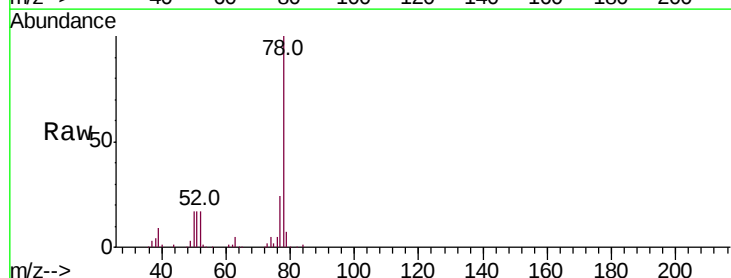
Acq: 27 Sep 2018 19:50

Tgt Ion: 62 Resp: 1029

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#

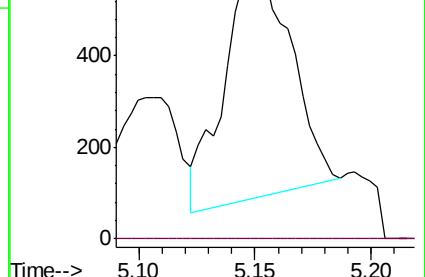
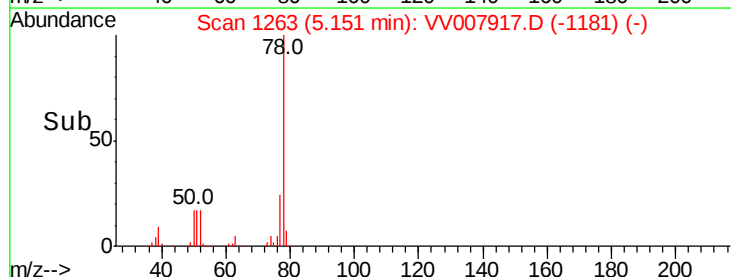


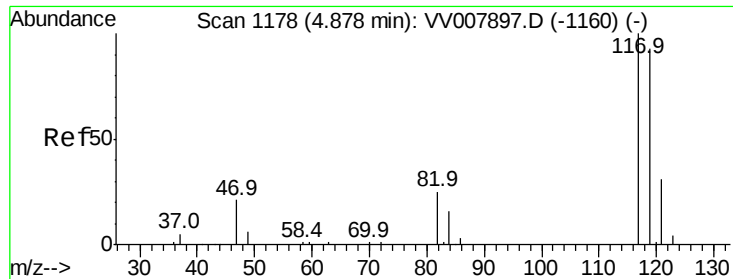
Abundance Ion 62.00 (61.70 to 62.70): VV007917.D (-1254) (-)

Ion 98.05 (97.75 to 98.75): VV007917.D (-1254) (-)

5.15

Time-->





#31

Carbon tetrachloride

Concen: 2.259 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007917.D

Acq: 27 Sep 2018 19:50

Instrument :

MSVOA_V

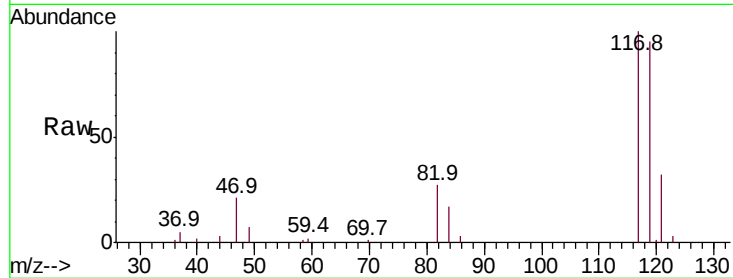
ClientSampleId :

Tot Ion:117 Resp: 20091

Ion Ratio Lower Upper

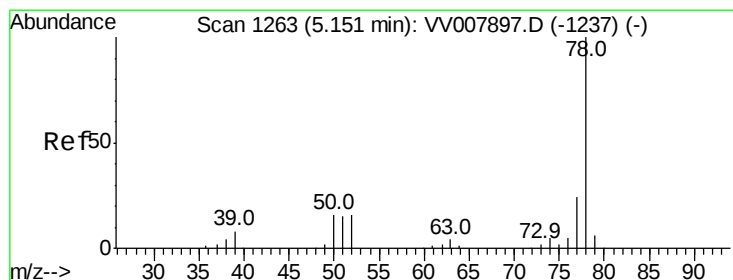
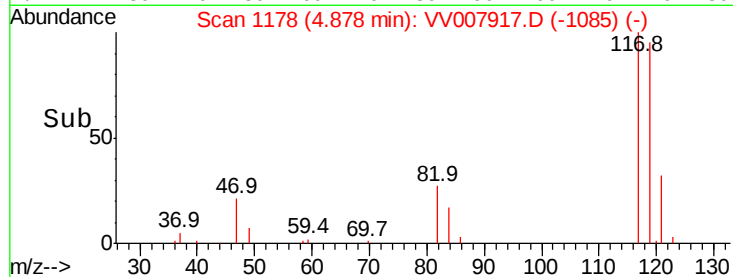
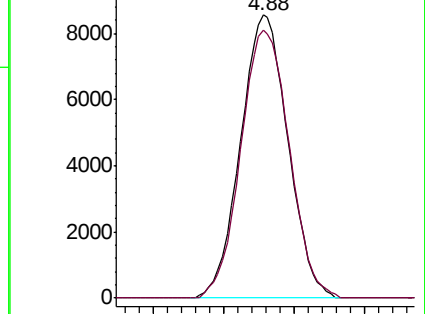
117 100

119 96.8 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.272 ug/L

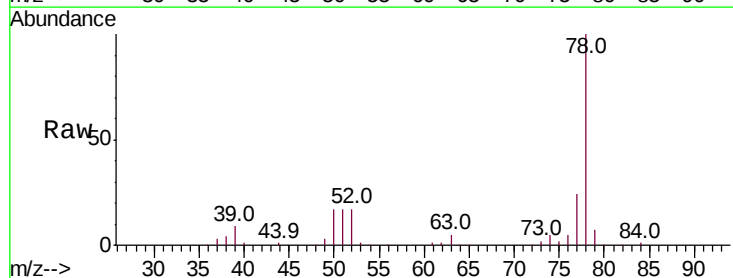
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

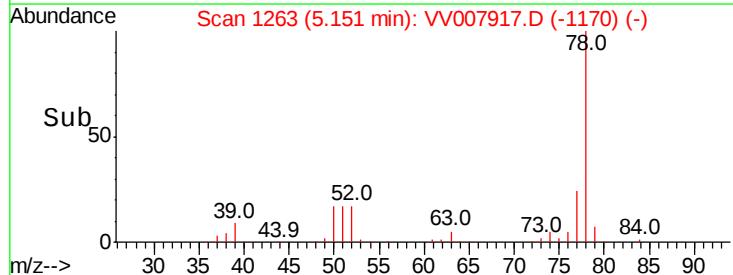
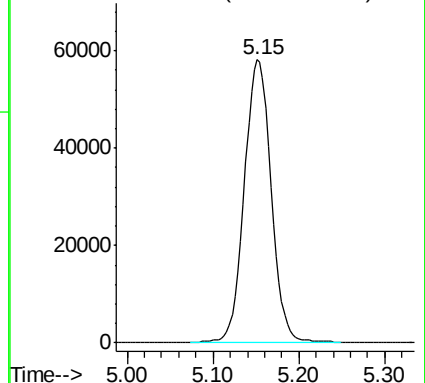
Lab File: VV007917.D

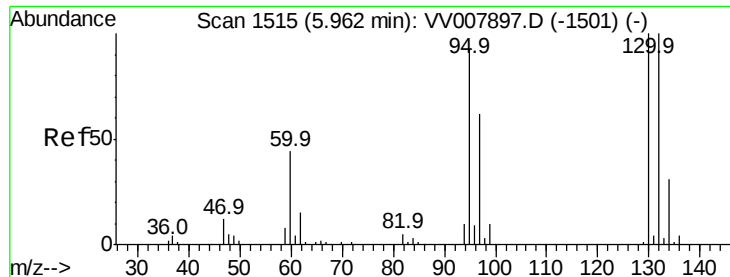
Acq: 27 Sep 2018 19:50

Tgt Ion: 78 Resp: 126645



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.051 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV007917.D

Acq: 27 Sep 2018 19:50

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 34743

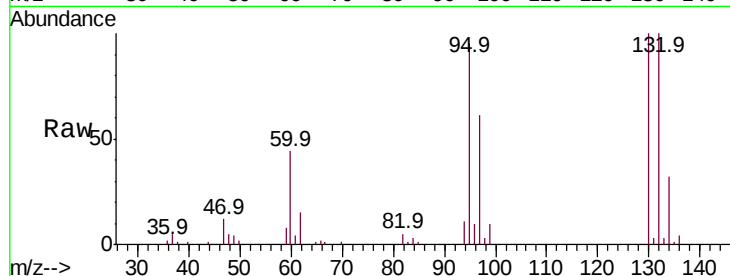
Ion Ratio Lower Upper

95 100

97 64.2 43.6 81.0

132 105.5 69.9 129.9

130 105.6 71.7 133.3

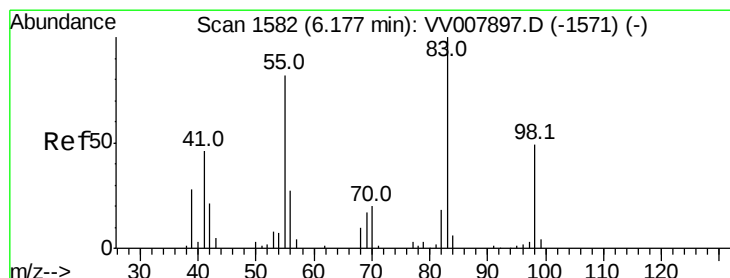
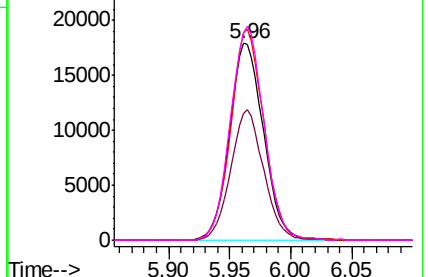
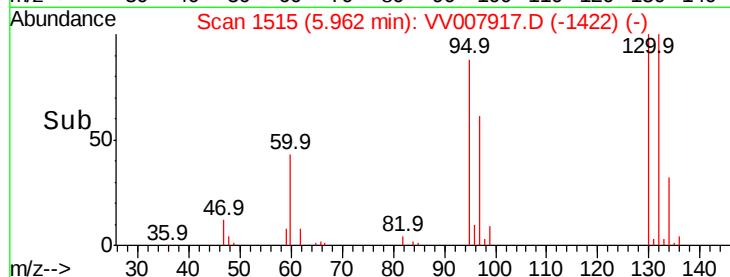


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.763 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV007917.D

Acq: 27 Sep 2018 19:50

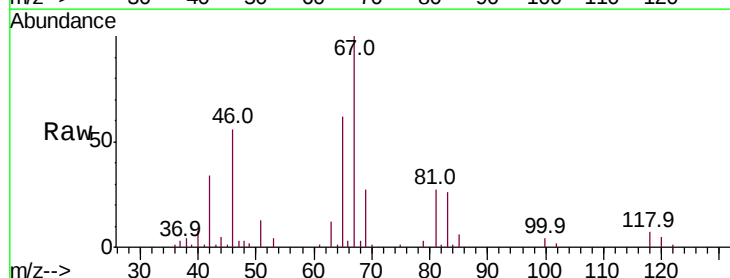
Tgt Ion: 83 Resp: 7869

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

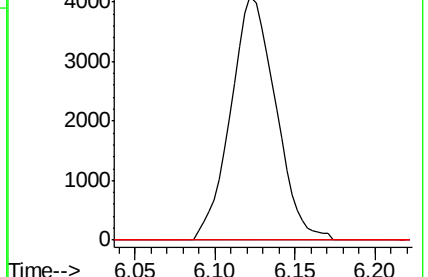
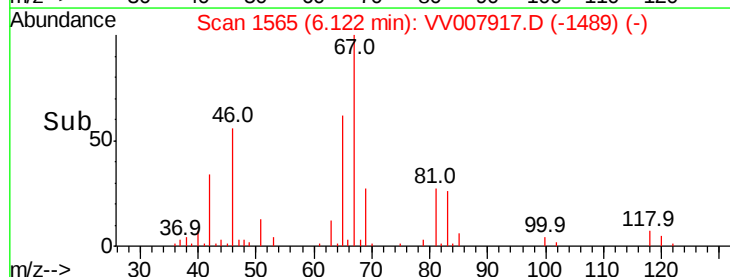
98 3.5 38.0 57.0#

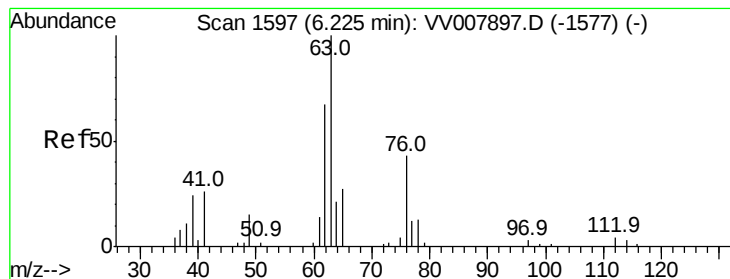


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.616 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV007917.D

Acq: 27 Sep 2018 19:50

Instrument :

MSVOA_V

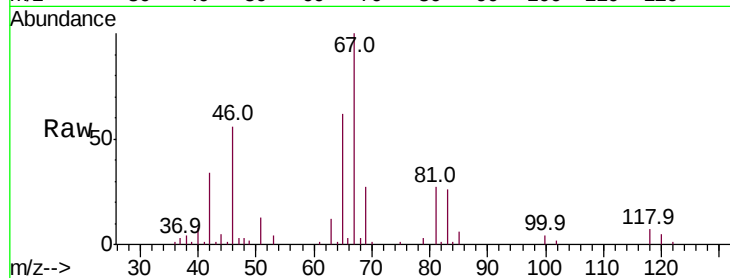
ClientSampleId :

Tot Ion: 63 Resp: 3779

Ion Ratio Lower Upper

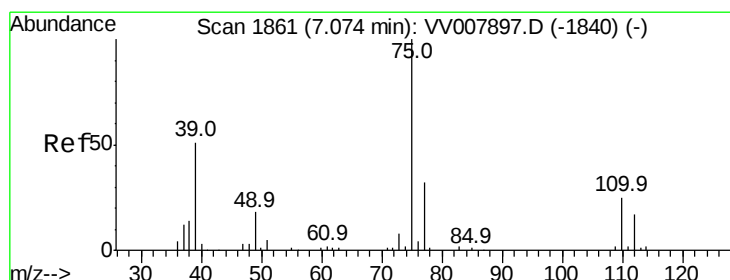
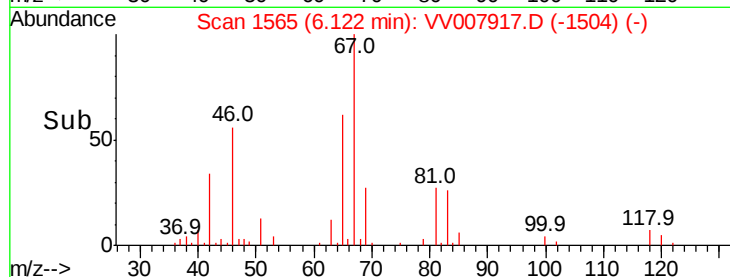
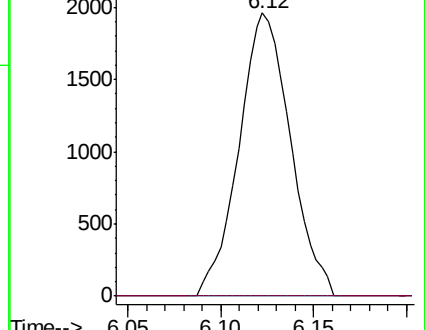
63 100

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) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007917.D

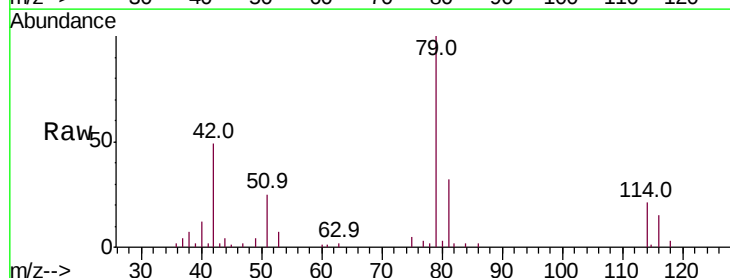
Acq: 27 Sep 2018 19:50

Tgt Ion: 75 Resp: 875

Ion Ratio Lower Upper

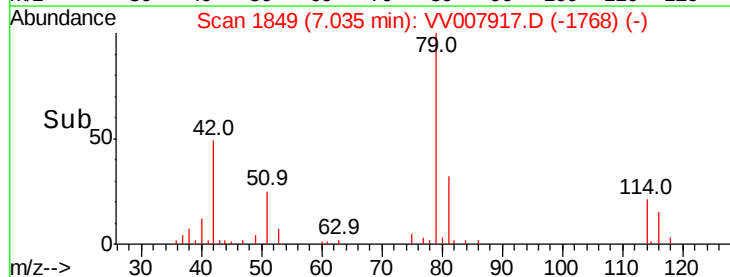
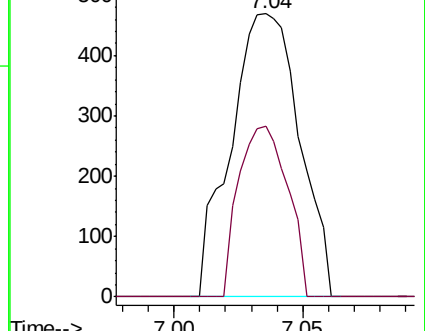
75 100

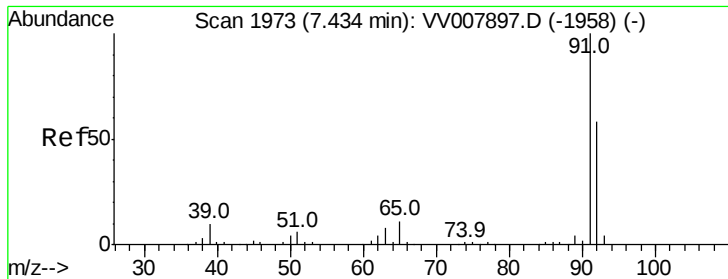
77 60.1 22.9 42.5#



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

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





#42

Toluene

Concen: 5.258 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007917.D

Acq: 27 Sep 2018 19:50

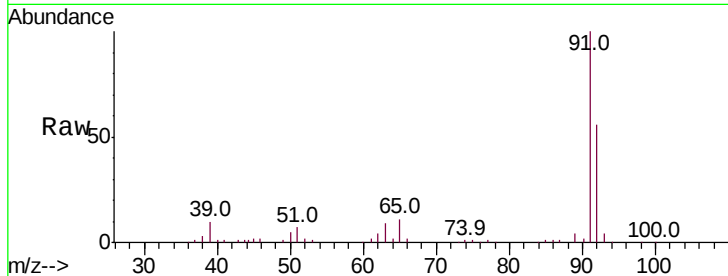
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 137541

Ion Ratio Lower Upper

91 100

92 56.5 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007917.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV007917.D (-1958) (-)

7.43

80000

60000

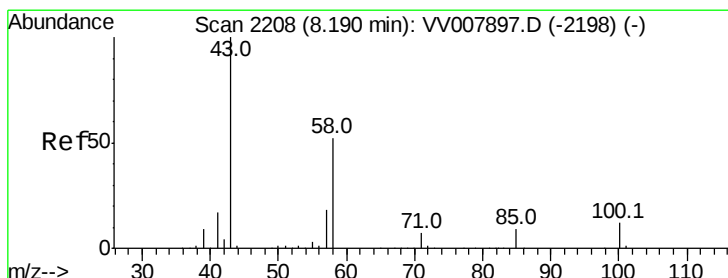
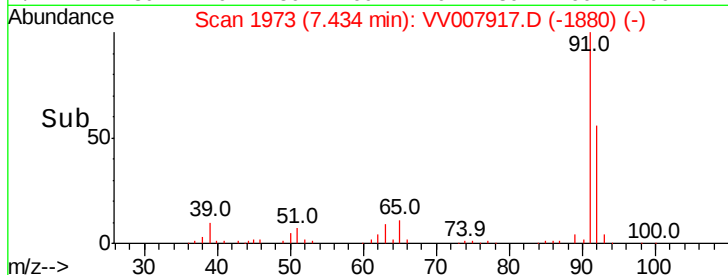
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#48

2-Hexanone

Concen: 2.531 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV007917.D

Acq: 27 Sep 2018 19:50

Tgt Ion: 43 Resp: 6780

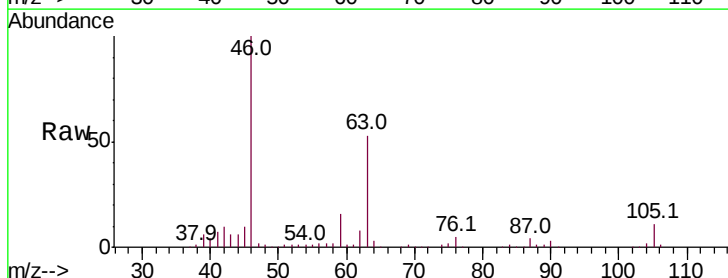
Ion Ratio Lower Upper

43 100

58 38.5 41.9 62.9#

57 28.6 14.3 21.5#

100 0.0 9.2 13.8#



Abundance Ion 43.05 (42.75 to 43.75): VV007917.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV007917.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV007917.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV007917.D (-2198) (-)

8.14

5000

4000

3000

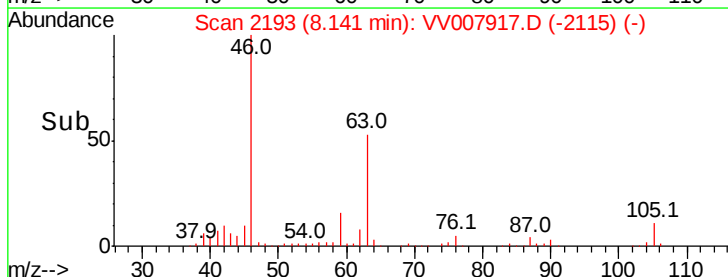
2000

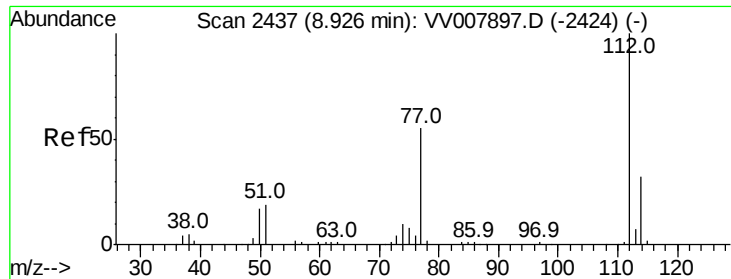
1000

0

8.10 8.15 8.20

Time-->





#51

Chlorobenzene

Concen: 5.001 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007917.D

Acq: 27 Sep 2018 19:50

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 90371

Ion Ratio Lower Upper

112 100

114 33.0 22.4 41.6

77 55.8 45.0 67.6

