

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007903.D
 Acq On : 27 Sep 2018 12:58
 Operator : SY/MD
 Sample : J5063-03
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 00:44:33 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	89452	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	81579	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41809	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22682	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.59	69	21264	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.14	63	38729	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	3.97	46	67466	46.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.54%
24) Chloroform-d	4.41	84	51669	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.09	65	28832	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.10	84	102966	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.80%
36) 1,2-Dichloropropane-d6	6.12	67	32196	5.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.20%
41) Toluene-d8	7.36	98	97949	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.67	79	11313	4.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.20%
46) 2-Hexanone-d5	8.14	63	50494	48.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.24%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23750	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	41484	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

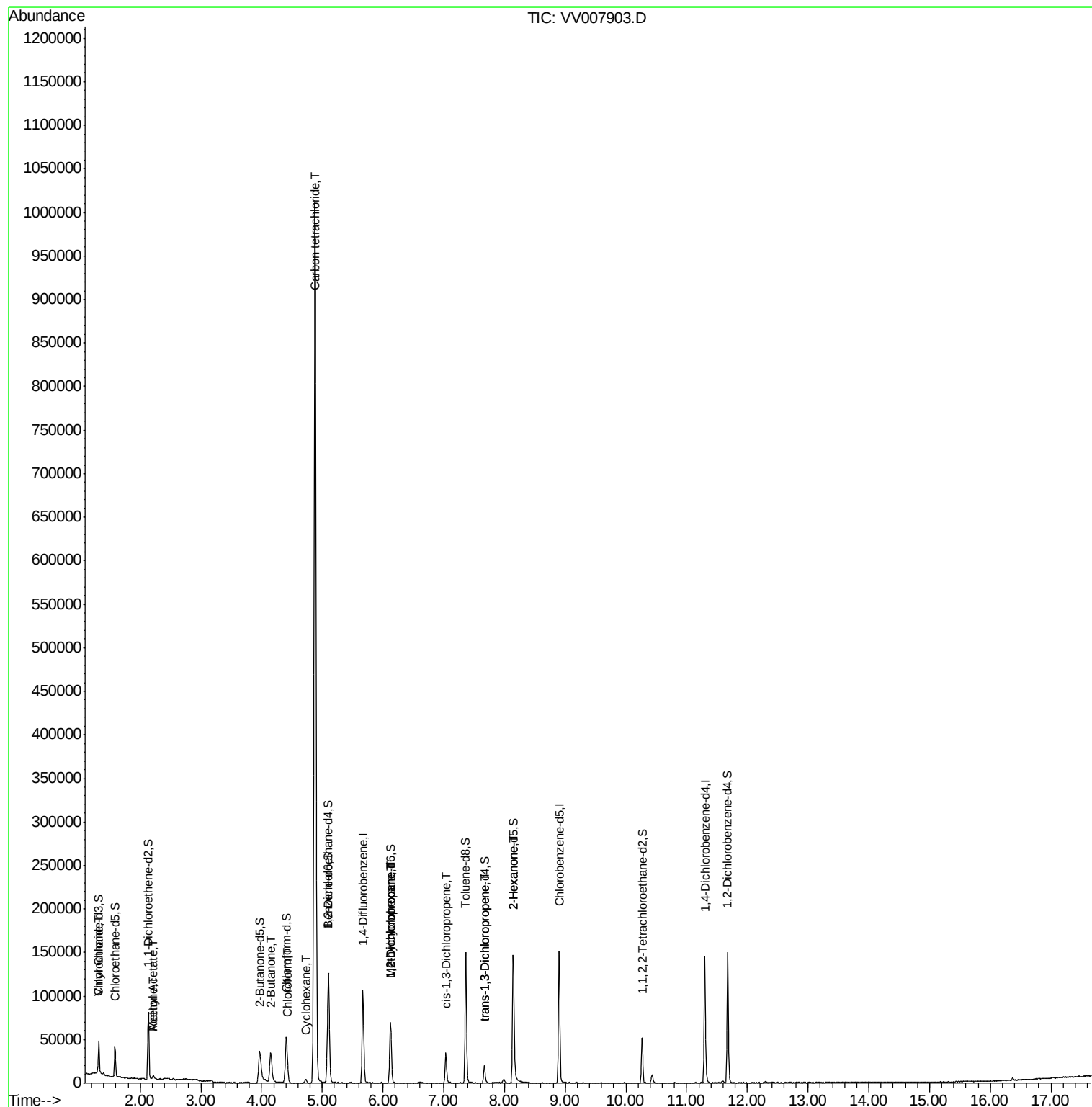
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.32	64	351	0.081	ug/L #	1
13) Acetone	2.22	43	4721	4.492	ug/L	95
15) Methyl Acetate	2.22	43	4633	1.724	ug/L #	51
21) 2-Butanone	4.15	43	56146	33.534	ug/L #	50
25) Chloroform	4.44	83	1620	0.135	ug/L #	72
30) Cyclohexane	4.73	56	2128	0.231	ug/L #	21
31) Carbon tetrachloride	4.88	117	734989	84.990	ug/L	99
35) Methylcyclohexane	6.13	83	8045	0.802	ug/L #	18
37) 1,2-Dichloropropane	6.13	63	3832	0.642	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1000	0.125	ug/L #	81
44) trans-1,3-Dichloropropene	7.67	75	615	0.093	ug/L #	79
48) 2-Hexanone	8.14	43	7518	2.886	ug/L #	75

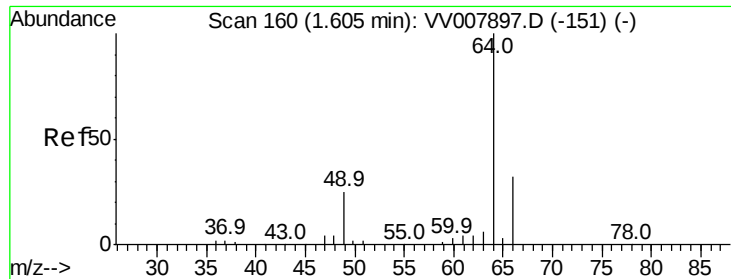
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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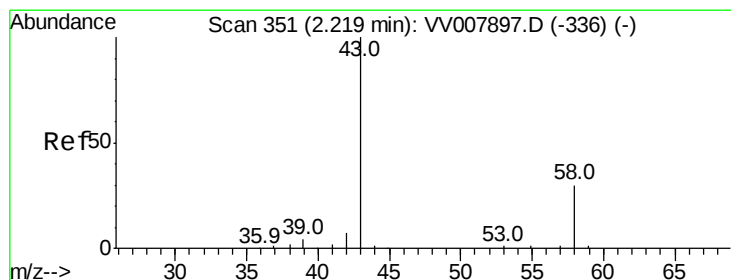
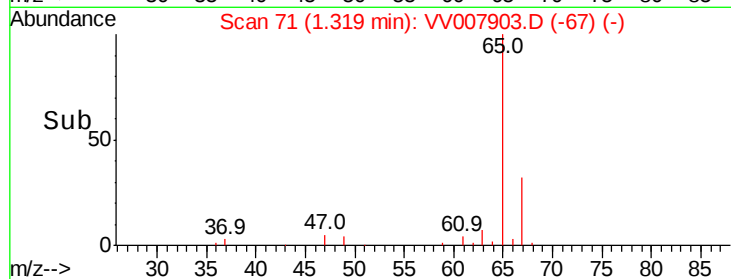
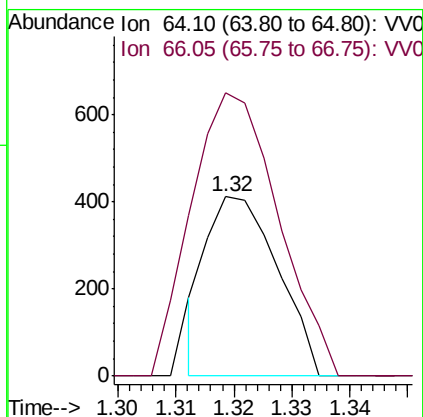
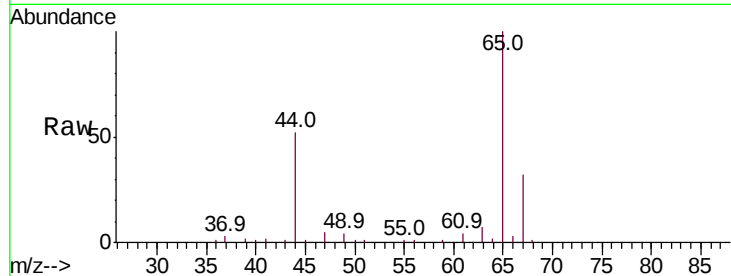




#8
Chloroethane
Concen: 0.081 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.29 min
Lab File: VV007903.D
Acq: 27 Sep 2018 12:58

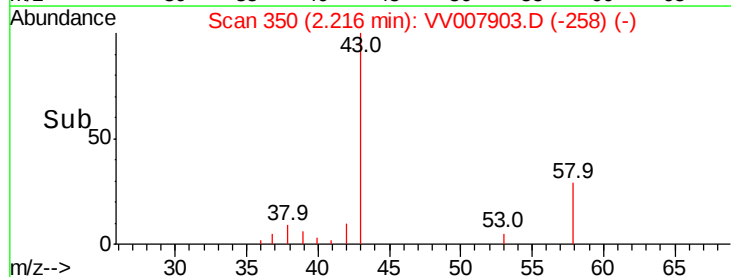
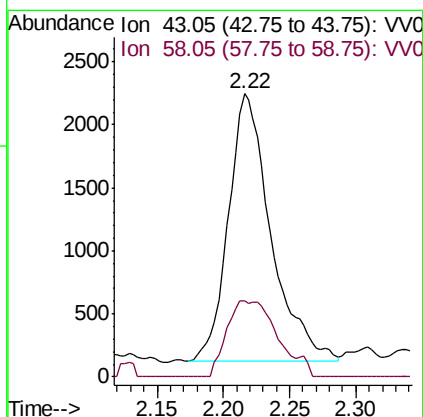
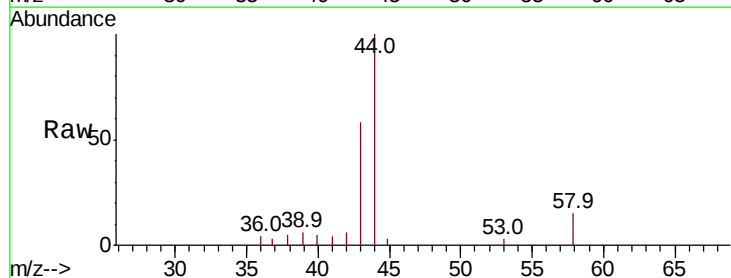
Instrument :
MSVOA_V
ClientSampled :

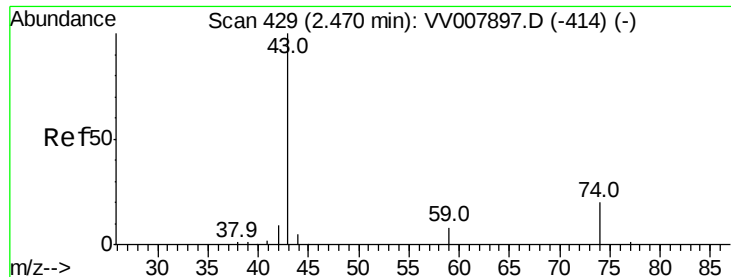
Tot Ion: 64 Resp: 351
Ion Ratio Lower Upper
64 100
66 158.2 23.1 42.9#



#13
Acetone
Concen: 4.492 ug/L
RT: 2.22 min Scan# 350
Delta R.T. -0.00 min
Lab File: VV007903.D
Acq: 27 Sep 2018 12:58

Tgt Ion: 43 Resp: 4721
Ion Ratio Lower Upper
43 100
58 34.0 0.0 62.0

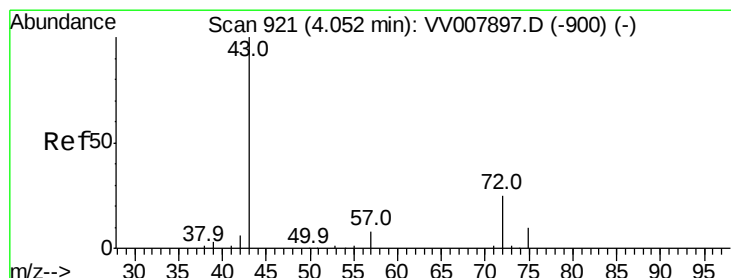
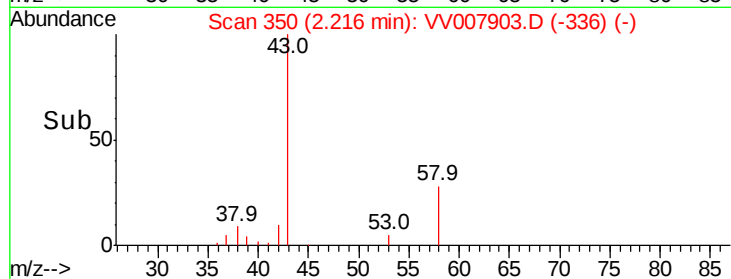
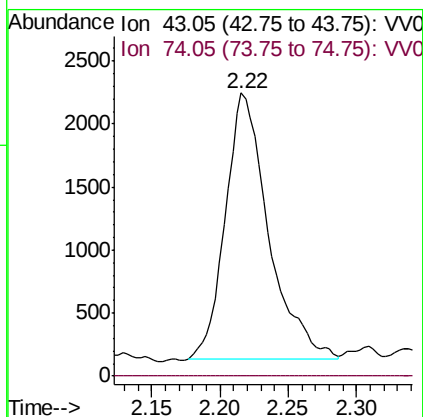
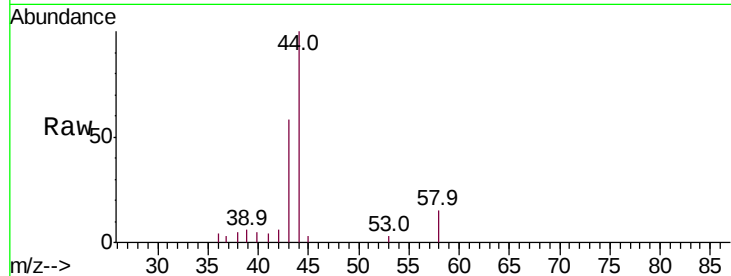




#15
Methvl Acetate
Concen: 1.724 ug/L
RT: 2.22 min Scan# 350
Delta R.T. -0.25 min
Lab File: VV007903.D
Acq: 27 Sep 2018 12:58

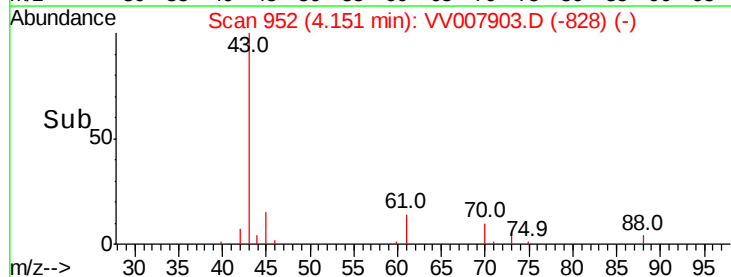
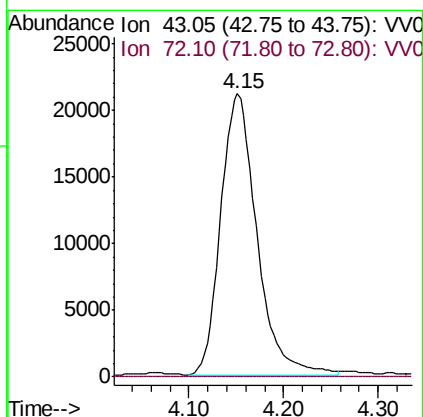
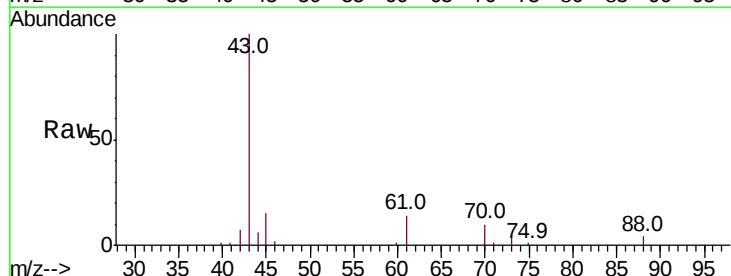
Instrument :
MSVOA_V
ClientSampled :

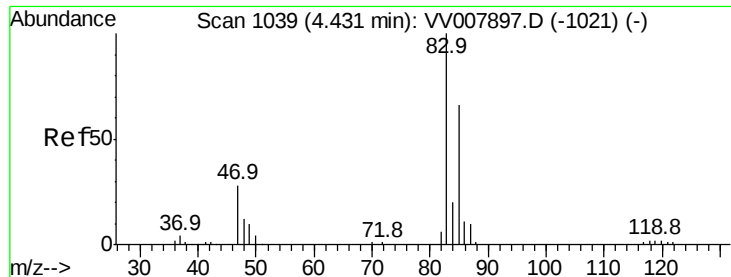
Tot Ion: 43 Resp: 4633
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#21
2-Butanone
Concen: 33.534 ug/L
RT: 4.15 min Scan# 952
Delta R.T. 0.10 min
Lab File: VV007903.D
Acq: 27 Sep 2018 12:58

Tgt Ion: 43 Resp: 56146
Ion Ratio Lower Upper
43 100
72 0.0 12.5 37.5#

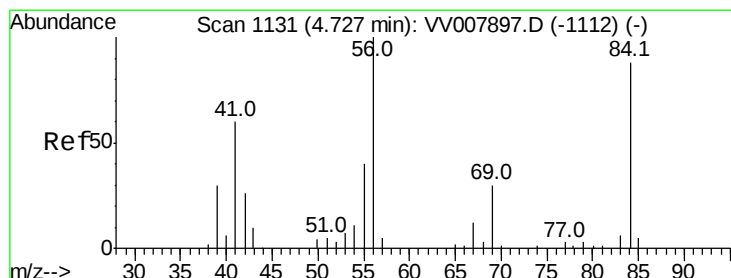
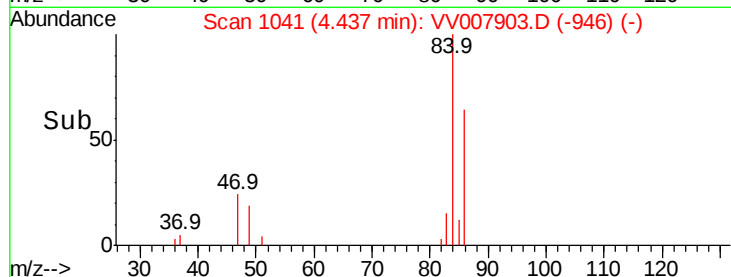
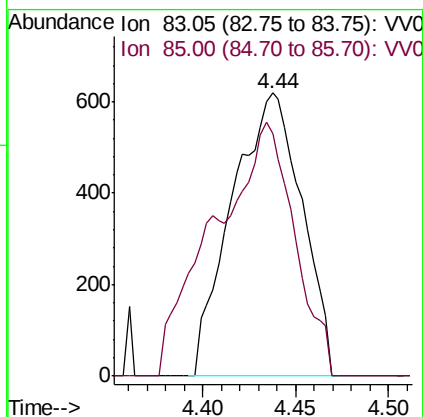
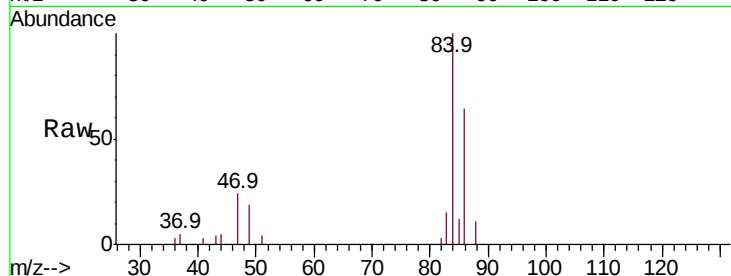




#25
Chloroform
Concen: 0.135 ug/L
RT: 4.44 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VV007903.D
Acq: 27 Sep 2018 12:58

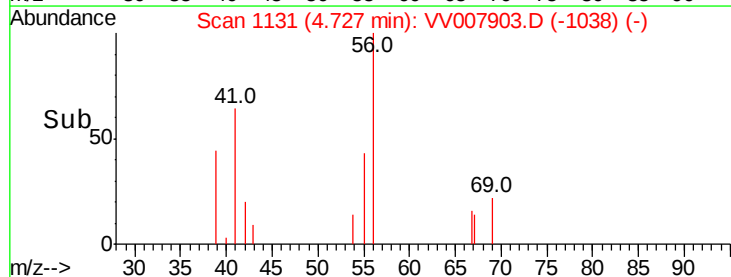
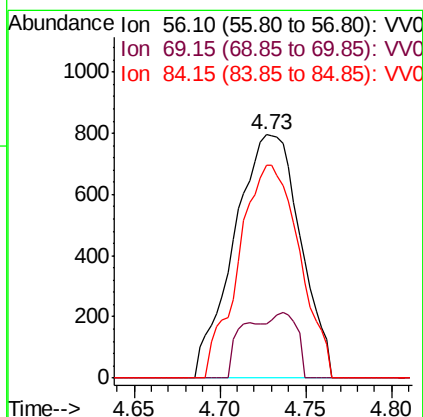
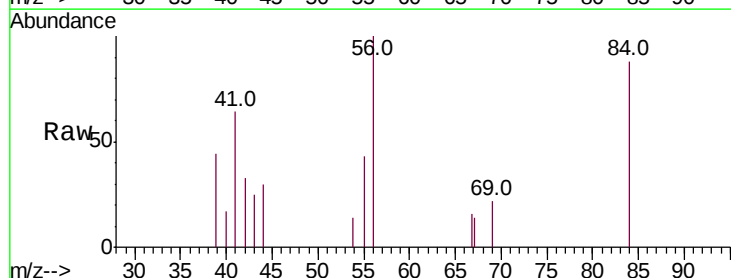
Instrument :
MSVOA_V
ClientSampleId :

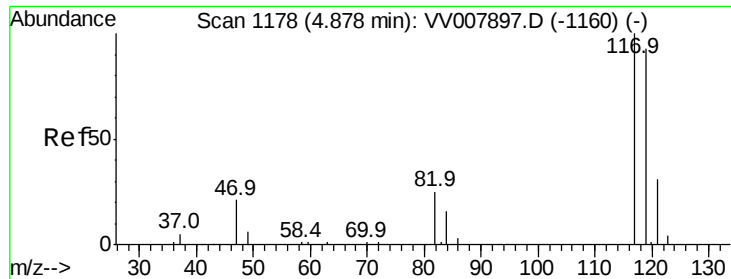
Tot Ion: 83 Resp: 1620
Ion Ratio Lower Upper
83 100
85 85.6 44.8 83.2#



#30
Cyclohexane
Concen: 0.231 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VV007903.D
Acq: 27 Sep 2018 12:58

Tgt Ion: 56 Resp: 2128
Ion Ratio Lower Upper
56 100
69 10.4 24.2 36.4#
84 0.0 69.8 104.8#





#31

Carbon tetrachloride

Concen: 84.990 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007903.D

Acq: 27 Sep 2018 12:58

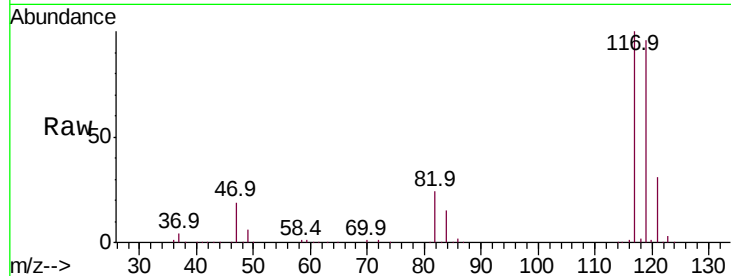
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 734989

Ion Ratio Lower Upper

117 100

119 96.5 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

300000

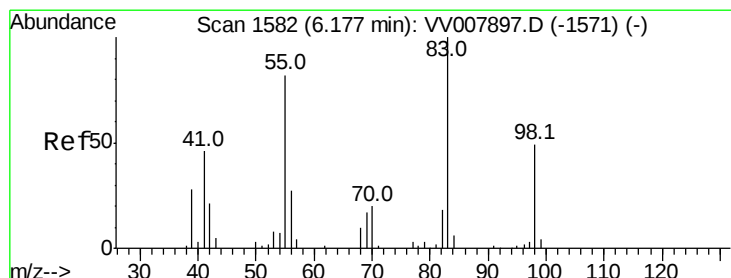
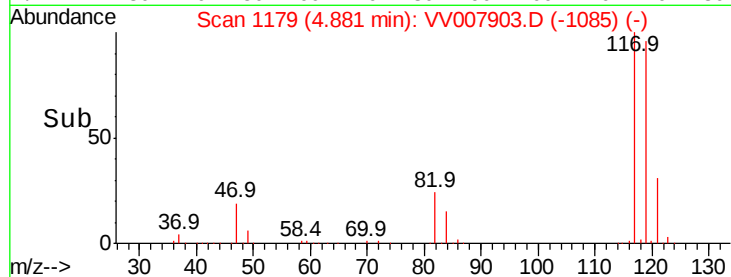
200000

100000

0

Time-->

4.80 4.90 5.00



#35

Methylcyclohexane

Concen: 0.802 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV007903.D

Acq: 27 Sep 2018 12:58

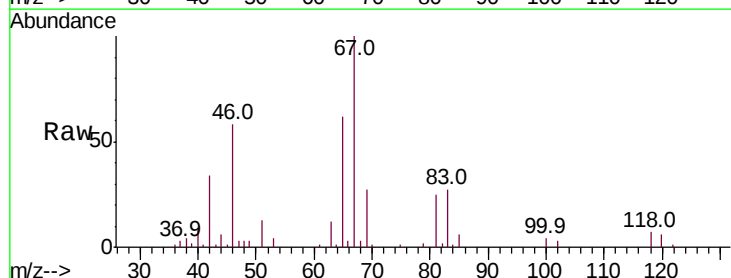
Tgt Ion: 83 Resp: 8045

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

98 0.2 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

6.13

5000

4000

3000

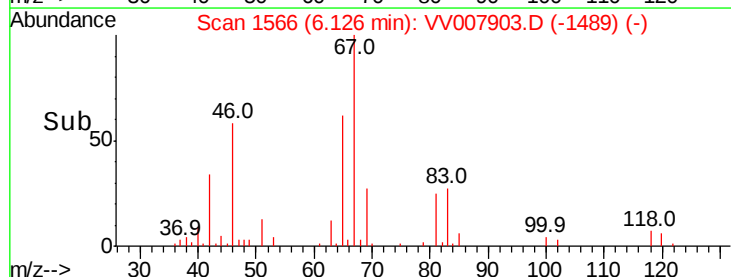
2000

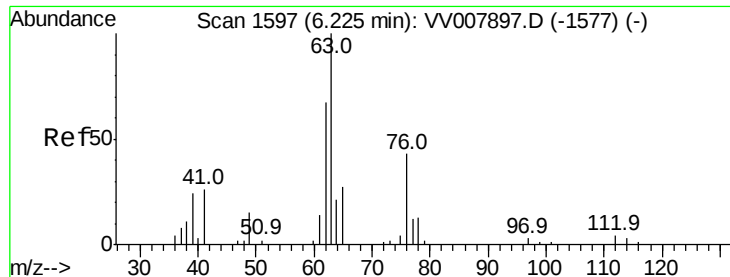
1000

0

Time-->

6.05 6.10 6.15





#37

1,2-Dichloropropane

Concen: 0.642 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007903.D

Acq: 27 Sep 2018 12:58

Instrument :

MSVOA_V

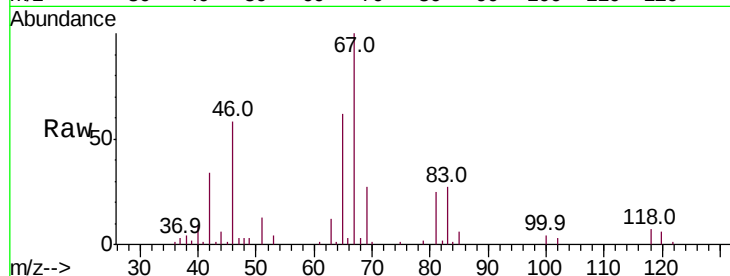
ClientSampled :

Tot Ion: 63 Resp: 3832

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

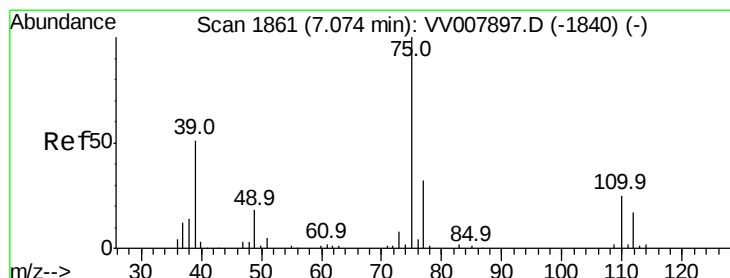
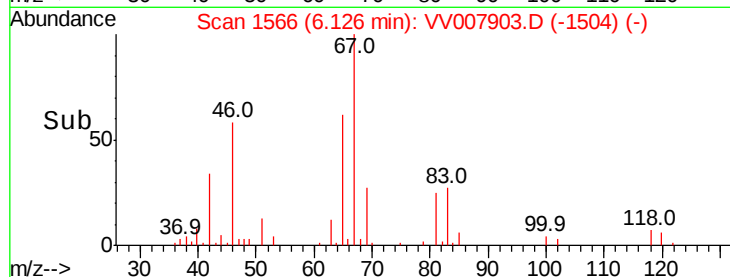
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Time-->

6.05

6.10

6.15



#39

cis-1,3-Dichloropropene

Concen: 0.125 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV007903.D

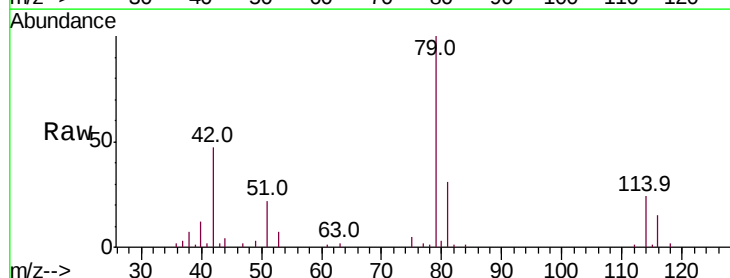
Acq: 27 Sep 2018 12:58

Tgt Ion: 75 Resp: 1000

Ion Ratio Lower Upper

75 100

77 43.3 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

600

400

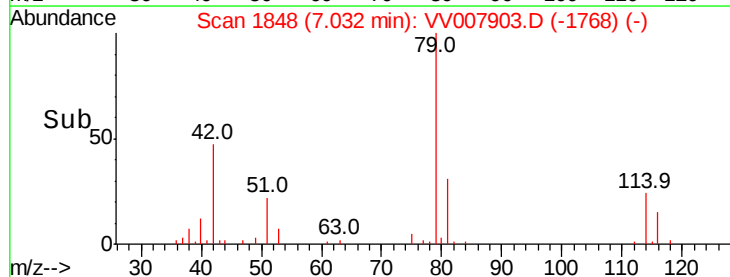
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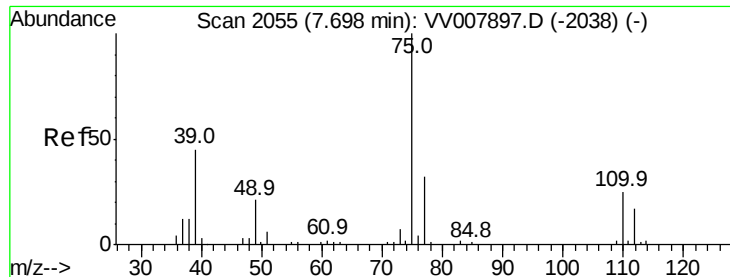
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Time-->

7.00

7.05





#44

trans-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.03 min

Lab File: VV007903.D

Acq: 27 Sep 2018 12:58

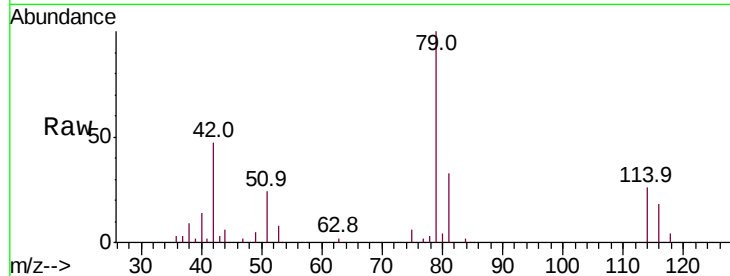
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 615

Ion Ratio Lower Upper

75 100

77 43.8 22.3 41.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007897.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007897.D (-2038) (-)

7.67

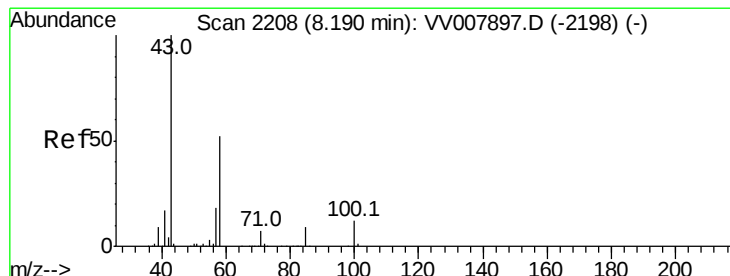
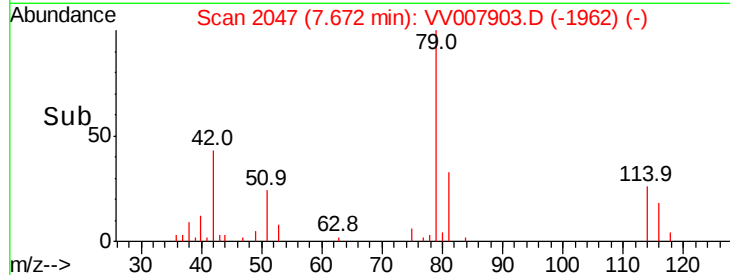
300

200

100

0

Time-->



#48

2-Hexanone

Concen: 2.886 ug/L

RT: 8.14 min Scan# 2194

Delta R.T. -0.05 min

Lab File: VV007903.D

Acq: 27 Sep 2018 12:58

Tgt Ion: 43 Resp: 7518

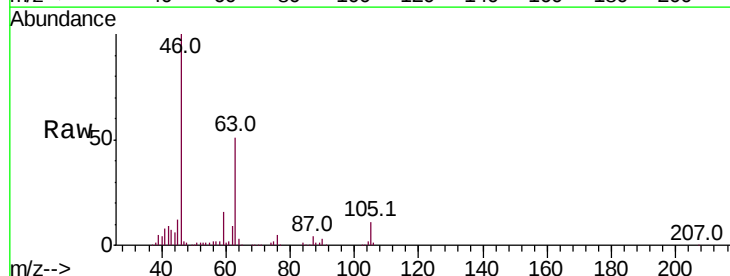
Ion Ratio Lower Upper

43 100

58 35.1 41.9 62.9#

57 27.3 14.3 21.5#

100 0.0 9.2 13.8#



Abundance Ion 43.05 (42.75 to 43.75): VV007897.D (-2198) (-)

Ion 58.05 (57.75 to 58.75): VV007897.D (-2198) (-)

Ion 57.20 (56.90 to 57.90): VV007897.D (-2198) (-)

Ion 100.15 (99.85 to 100.85): VV007897.D (-2198) (-)

8.14

5000

4000

3000

2000

1000

0

Time-->

