

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV062118\
 Data File : VV006396.D
 Acq On : 21 Jun 2018 17:00
 Operator : SY/MD
 Sample : J3513-14
 Misc : 25 mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0KF0

Quant Time: Jun 22 01:26:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 01:25:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	289626	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	260855	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	115172	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76330	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.58	69	67030	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.14	63	404705	13.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	263.20%#
20) 2-Butanone-d5	3.96	46	219967	65.49	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.98%#
24) Chloroform-d	4.41	84	158304	5.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.40%
26) 1,2-Dichloroethane-d4	5.09	65	82221	5.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.00%
32) Benzene-d6	5.11	84	329640	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
36) 1,2-Dichloropropane-d6	6.12	67	103187	5.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.60%
41) Toluene-d8	7.37	98	286837	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.67	79	30508	3.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.40%
46) 2-Hexanone-d5	8.14	63	162602	44.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.32%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	63878	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	109525	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

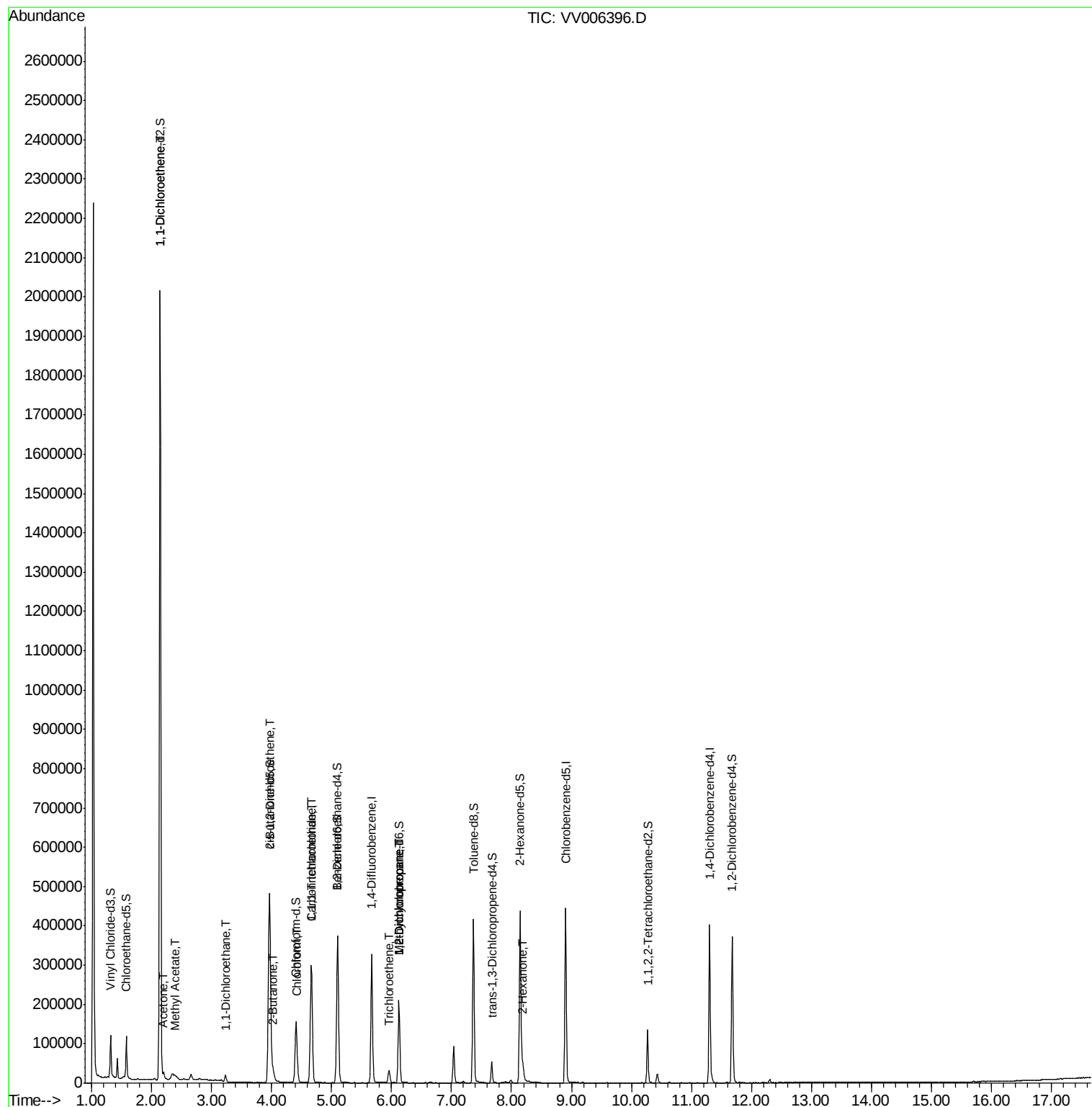
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.14	96	601253	36.174	ug/L #	72
13) Acetone	2.20	43	12703	6.980	ug/L	90
15) Methyl Acetate	2.39	43	9035	1.668	ug/L #	45
19) 1,1-Dichloroethane	3.23	63	17437	0.572	ug/L	97
21) 2-Butanone	4.04	43	1451	0.438	ug/L	90
22) cis-1,2-Dichloroethene	3.97	96	220164	11.220	ug/L #	99
25) Chloroform	4.43	83	9759	0.310	ug/L	94
29) 1,1,1-Trichloroethane	4.67	97	238453	8.274	ug/L	99
31) Carbon tetrachloride	4.67	117	31688	1.247	ug/L	96
34) Trichloroethene	5.97	95	6985	0.356	ug/L	95
35) Methylcyclohexane	6.12	83	25828	0.765	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	10690	0.620	ug/L #	85
48) 2-Hexanone	8.19	43	24141	3.855	ug/L #	86

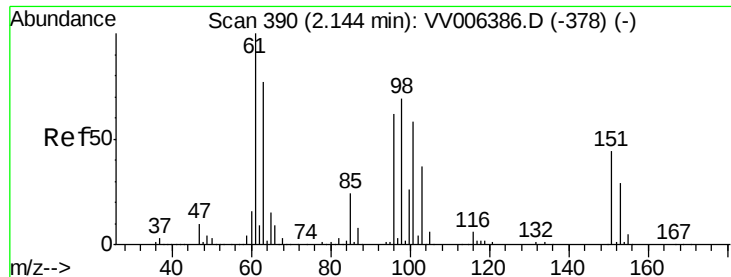
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

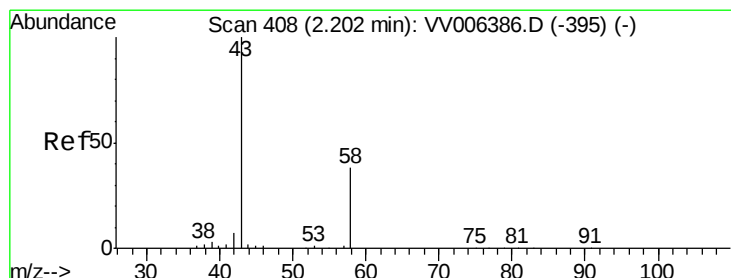
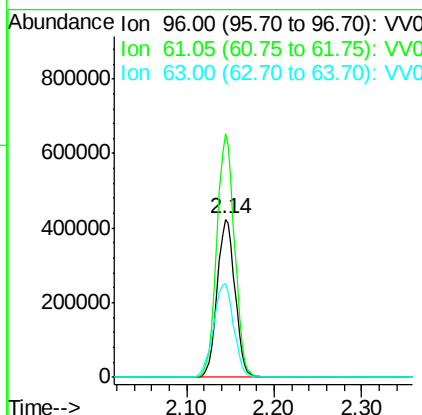
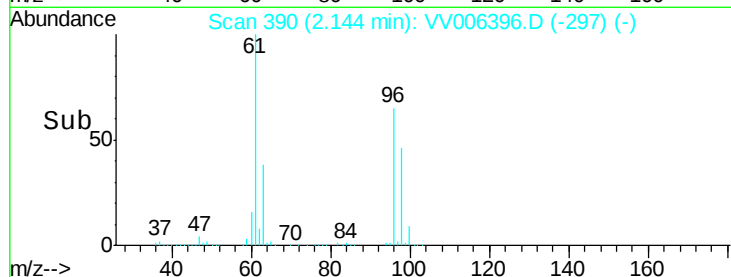
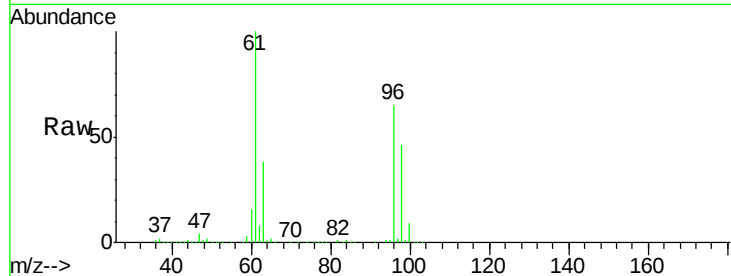




#12
 1,1-Dichloroethene
 Concen: 36.174 ug/L
 RT: 2.14 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VV006396.D
 Acq: 21 Jun 2018 17:00

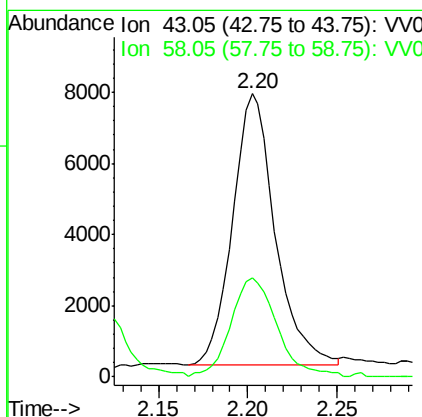
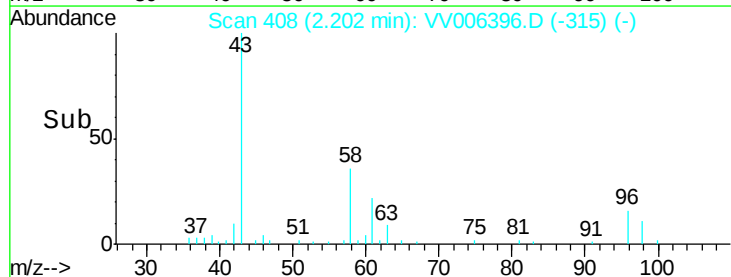
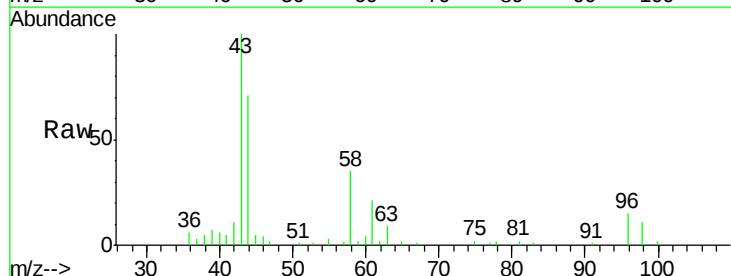
Instrument :
 MSVOA_V
 ClientSampled :
 C0KF0

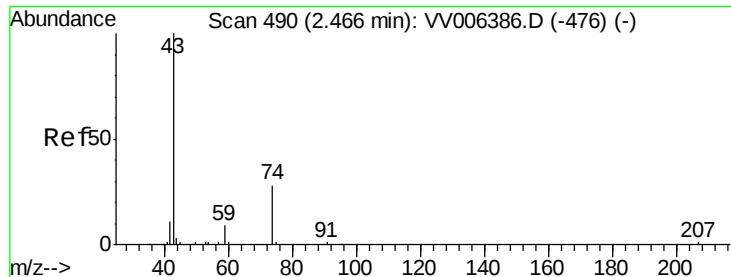
Tgt Ion: 96 Resp: 601253
 Ion Ratio Lower Upper
 96 100
 61 153.8 114.2 212.2
 63 59.1 85.0 157.8#



#13
 Acetone
 Concen: 6.980 ug/L
 RT: 2.20 min Scan# 408
 Delta R.T. 0.00 min
 Lab File: VV006396.D
 Acq: 21 Jun 2018 17:00

Tgt Ion: 43 Resp: 12703
 Ion Ratio Lower Upper
 43 100
 58 39.5 0.0 67.4

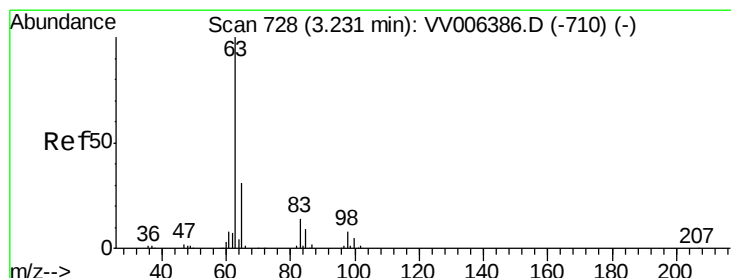
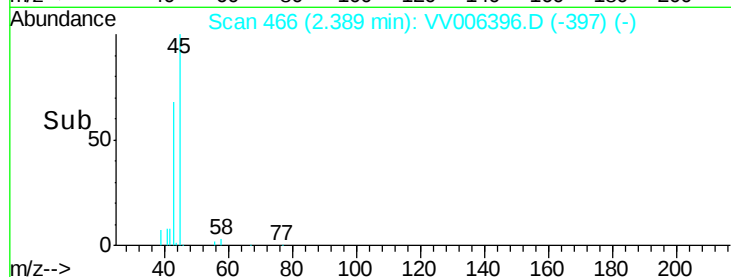
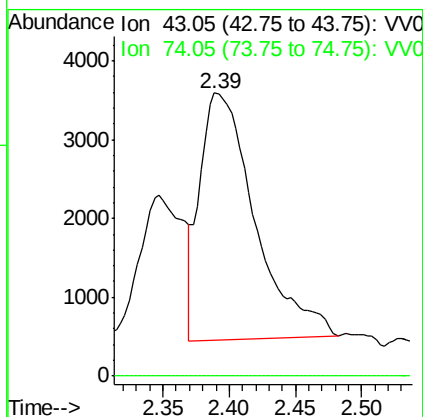
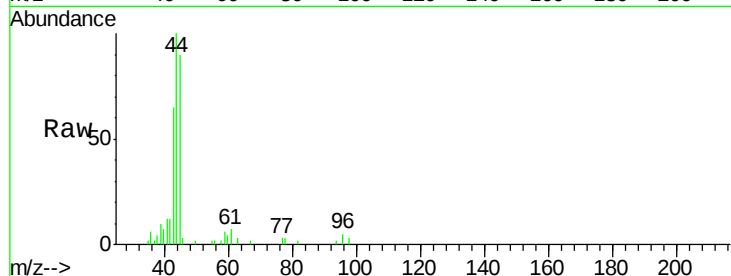




#15
Methyl Acetate
Concen: 1.668 ug/L
RT: 2.39 min Scan# 466
Delta R.T. -0.08 min
Lab File: VV006396.D
Acq: 21 Jun 2018 17:00

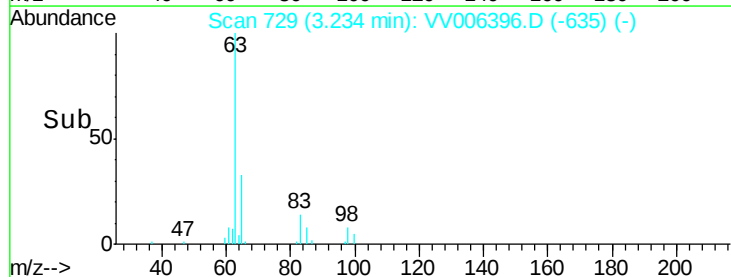
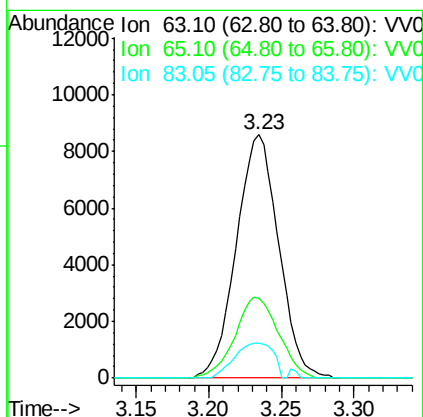
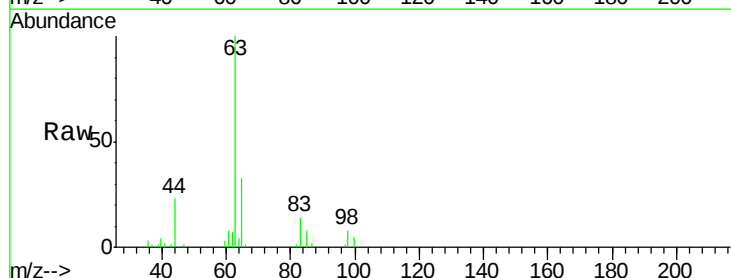
Instrument :
MSVOA_V
ClientSampleId :
C0KF0

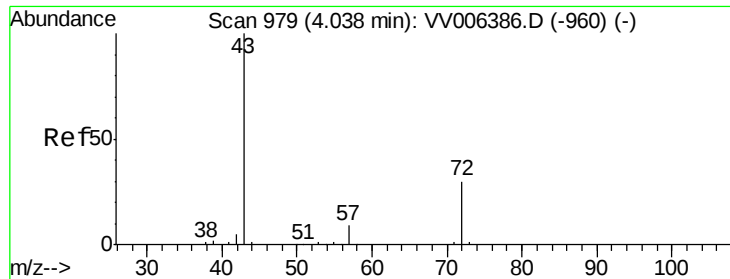
Tgt Ion: 43 Resp: 9035
Ion Ratio Lower Upper
43 100
74 0.0 23.4 35.0#



#19
1,1-Dichloroethane
Concen: 0.572 ug/L
RT: 3.23 min Scan# 729
Delta R.T. 0.00 min
Lab File: VV006396.D
Acq: 21 Jun 2018 17:00

Tgt Ion: 63 Resp: 17437
Ion Ratio Lower Upper
63 100
65 34.0 22.3 41.3
83 14.3 10.0 18.6





#21

2-Butanone

Concen: 0.438 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.00 min

Lab File: VV006396.D

Acq: 21 Jun 2018 17:00

Instrument :

MSVOA_V

ClientSampleId :

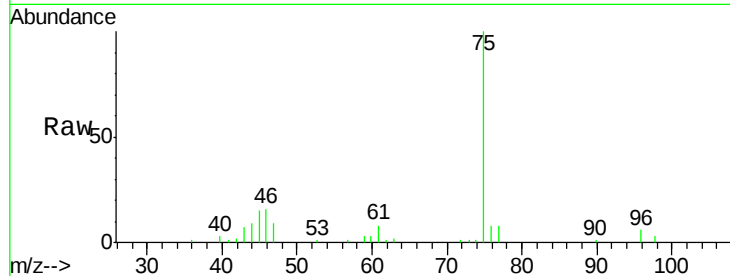
C0KF0

Tgt Ion: 43 Resp: 1451

Ion Ratio Lower Upper

43 100

72 22.1 13.8 41.3



Abundance Ion 43.05 (42.75 to 43.75): VV006396.D (-886) (-)

Ion 72.10 (71.80 to 72.80): VV006396.D (-886) (-)

4.04

800

600

400

200

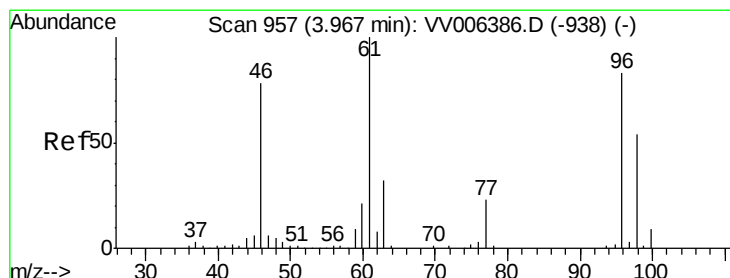
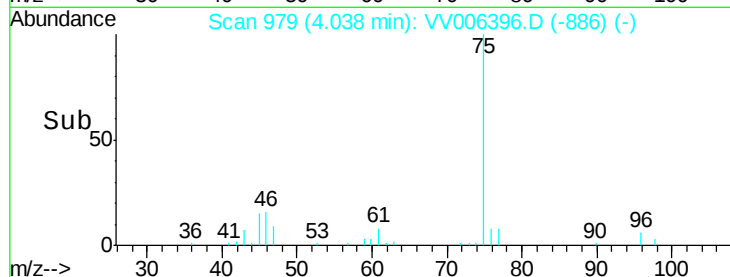
0

Time-->

4.00

4.05

4.10



#22

cis-1,2-Dichloroethene

Concen: 11.220 ug/L

RT: 3.97 min Scan# 957

Delta R.T. 0.00 min

Lab File: VV006396.D

Acq: 21 Jun 2018 17:00

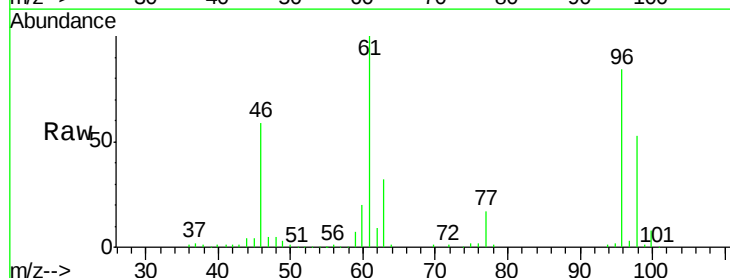
Tgt Ion: 96 Resp: 220164

Ion Ratio Lower Upper

96 100

61 118.7 84.1 156.3

68 0.0 0.3 0.5#



Abundance Ion 96.00 (95.70 to 96.70): VV006396.D (-864) (-)

Ion 61.05 (60.75 to 61.75): VV006396.D (-864) (-)

Ion 68.15 (67.85 to 68.85): VV006396.D (-864) (-)

3.97

150000

100000

50000

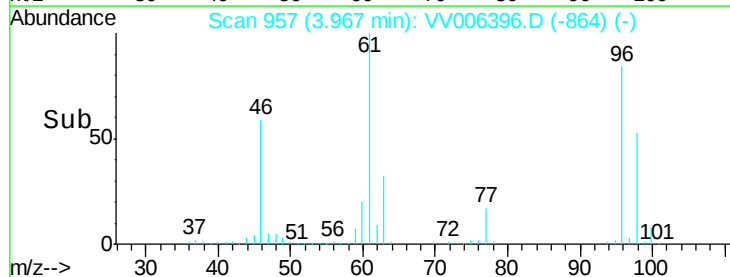
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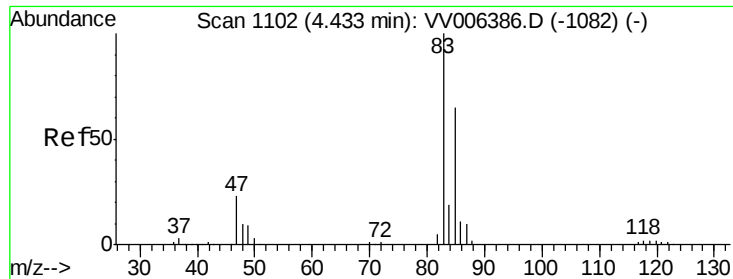
Time-->

3.90

4.00

4.10

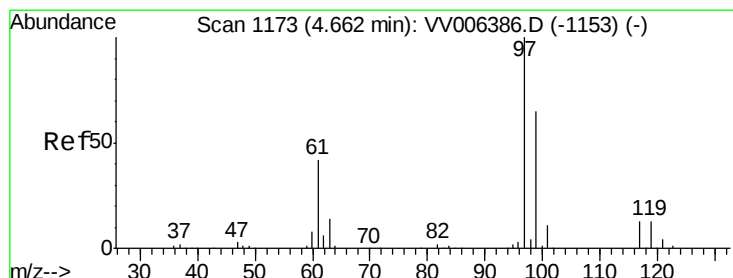
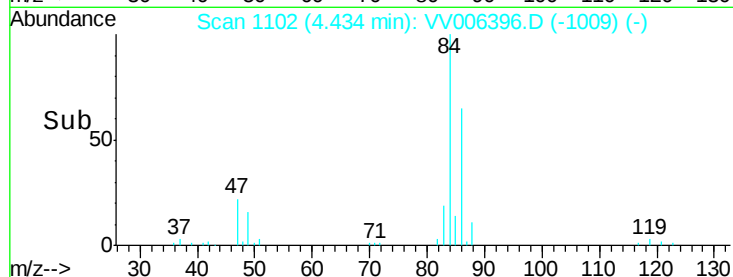
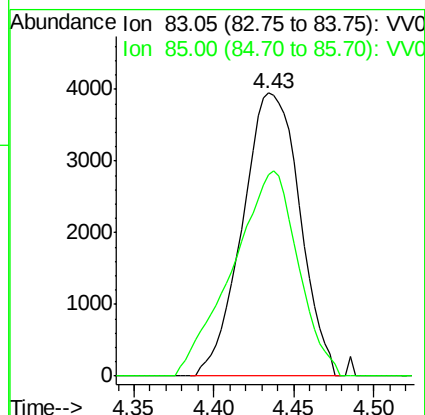
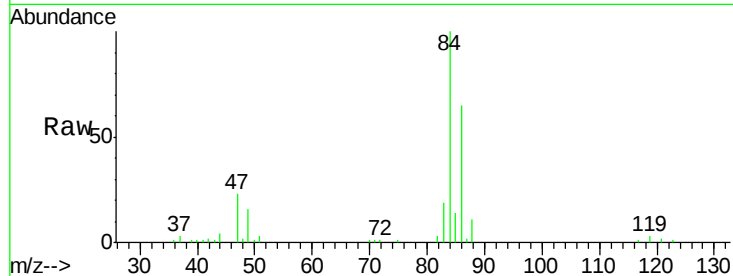




#25
Chloroform
Concen: 0.310 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV006396.D
Acq: 21 Jun 2018 17:00

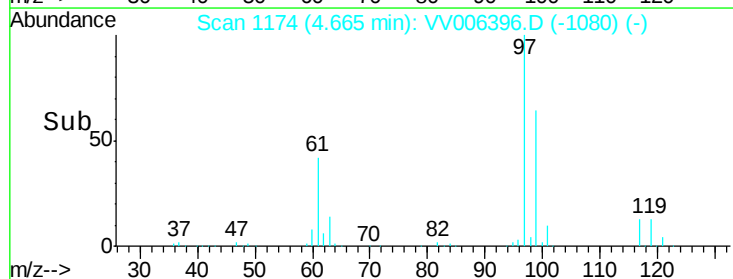
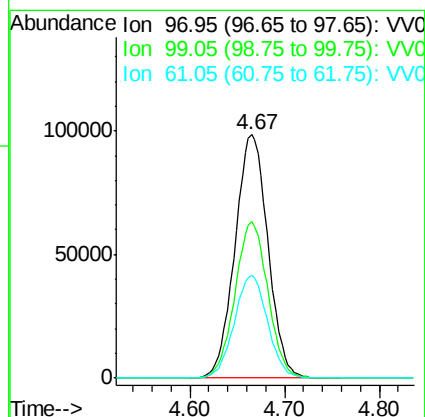
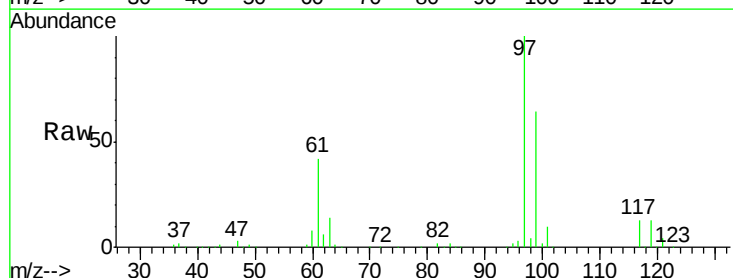
Instrument :
MSVOA_V
ClientSampleId :
C0KF0

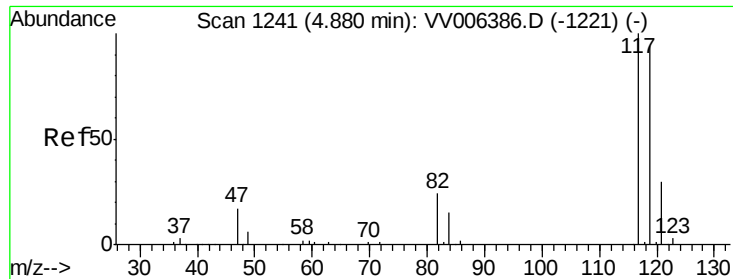
Tgt Ion: 83 Resp: 9759
Ion Ratio Lower Upper
83 100
85 71.1 46.2 85.8



#29
1,1,1-Trichloroethane
Concen: 8.274 ug/L
RT: 4.67 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VV006396.D
Acq: 21 Jun 2018 17:00

Tgt Ion: 97 Resp: 238453
Ion Ratio Lower Upper
97 100
99 64.0 51.5 77.3
61 42.6 33.7 50.5





#31

Carbon tetrachloride

Concen: 1.247 ug/L

RT: 4.67 min Scan# 1174

Delta R.T. -0.22 min

Lab File: VV006396.D

Acq: 21 Jun 2018 17:00

Instrument :

MSVOA_V

ClientSampleId :

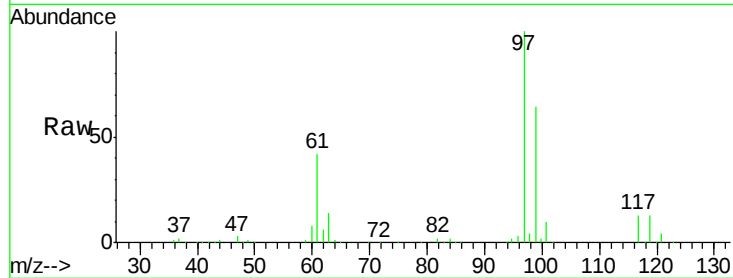
C0KF0

Tgt Ion:117 Resp: 31688

Ion Ratio Lower Upper

117 100

119 98.8 76.1 114.1



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.67

15000

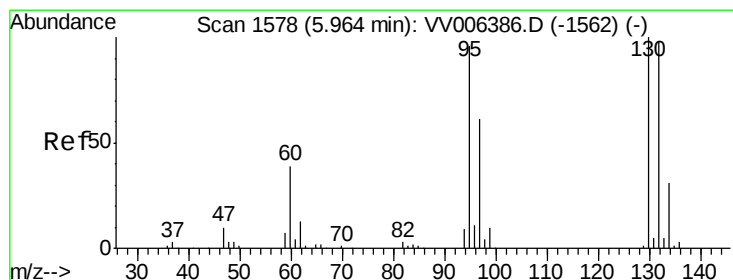
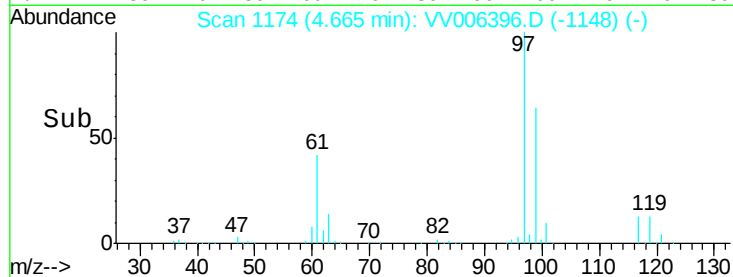
10000

5000

0

Time-->

4.55 4.60 4.65 4.70 4.75



#34

Trichloroethene

Concen: 0.356 ug/L

RT: 5.97 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VV006396.D

Acq: 21 Jun 2018 17:00

Tgt Ion: 95 Resp: 6985

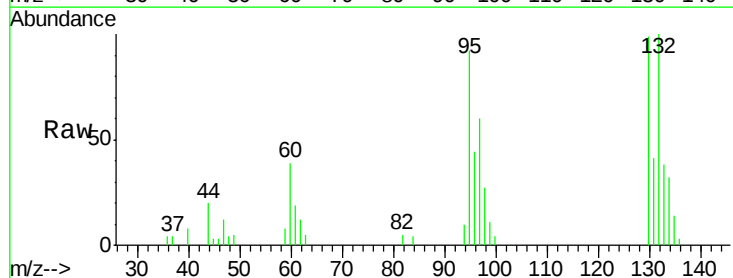
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.9

132 108.4 69.0 128.1

130 107.2 72.8 135.2



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

6000

5000

4000

3000

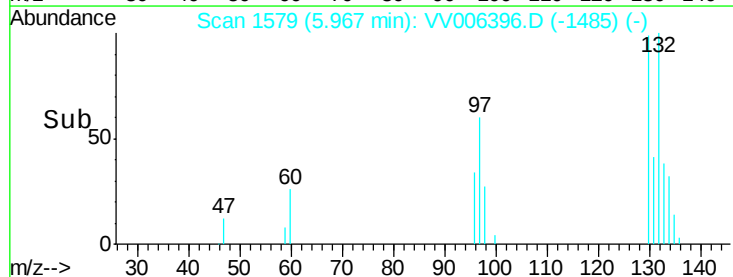
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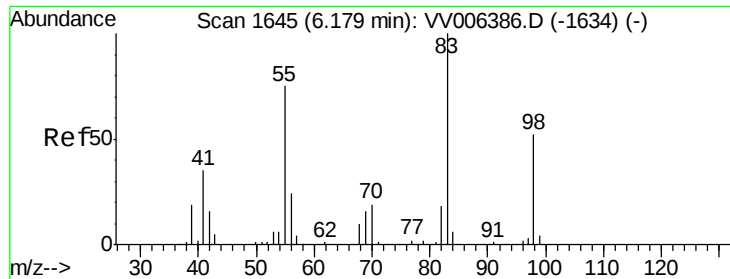
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0

Time-->

5.90 5.95 6.00

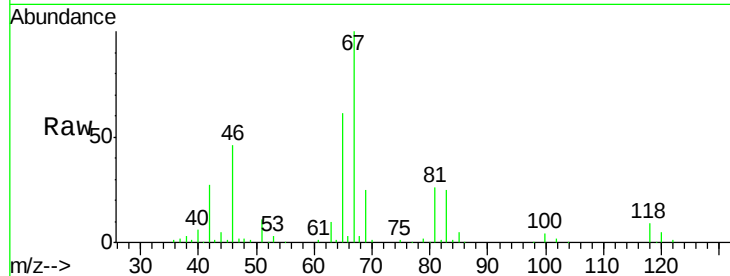




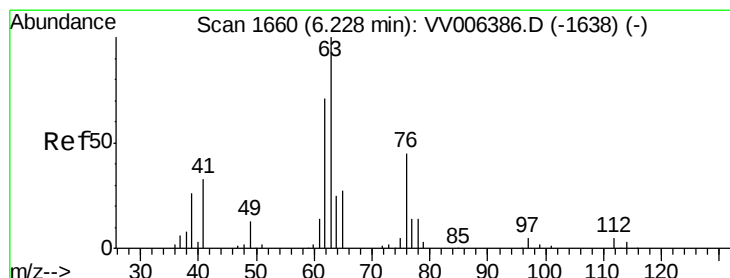
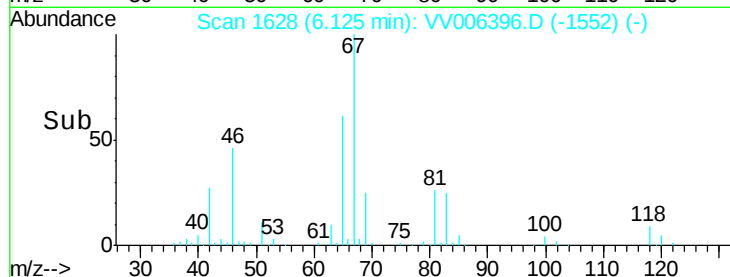
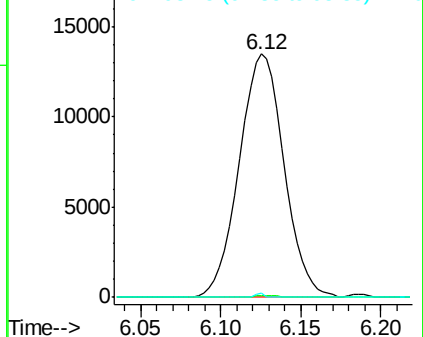
#35
Methylcyclohexane
Concen: 0.765 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV006396.D
Acq: 21 Jun 2018 17:00

Instrument :
MSVOA_V
ClientSampleId :
C0KF0

Tgt Ion: 83 Resp: 25828
Ion Ratio Lower Upper
83 100
55 0.4 57.5 86.3#
98 0.3 39.8 59.8#

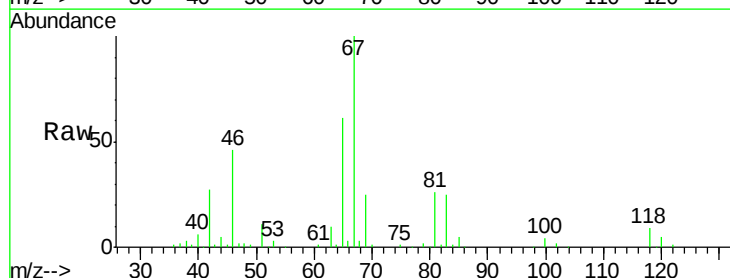


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

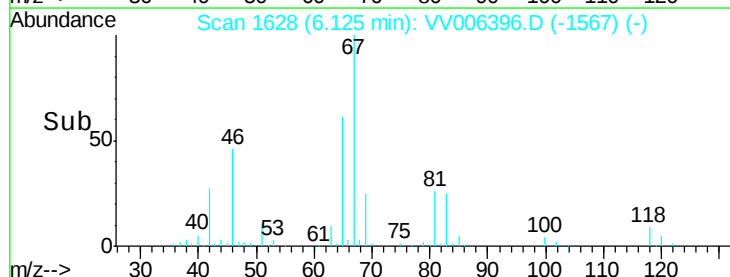
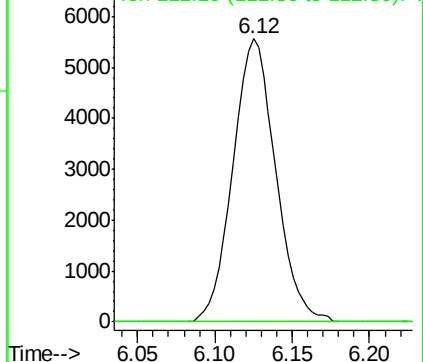


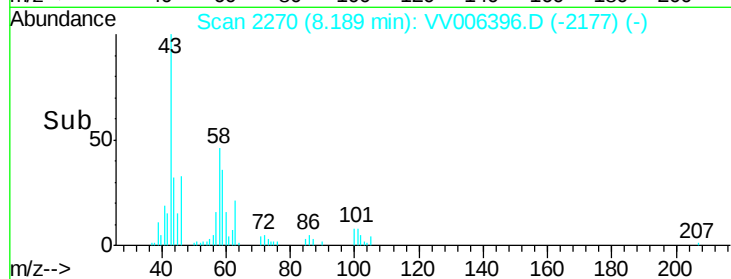
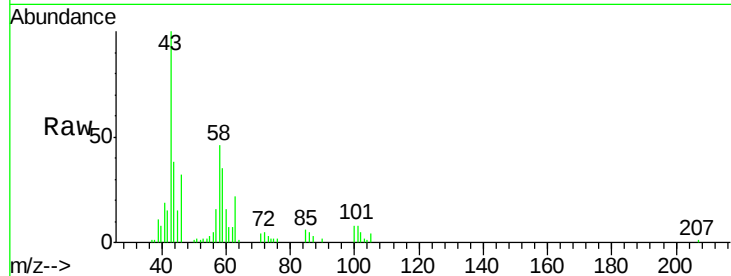
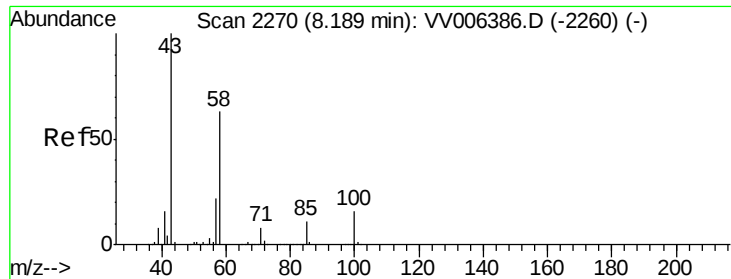
#37
1,2-Dichloropropane
Concen: 0.620 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.10 min
Lab File: VV006396.D
Acq: 21 Jun 2018 17:00

Tgt Ion: 63 Resp: 10690
Ion Ratio Lower Upper
63 100
112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V





#48

2-Hexanone

Concen: 3.855 ug/L

RT: 8.19 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VV006396.D

Acq: 21 Jun 2018 17:00

Instrument :

MSVOA_V

ClientSampleId :

C0KF0

Tgt Ion: 43 Resp: 24141

Ion Ratio Lower Upper

43 100

58 50.2 48.6 72.8

57 16.3 17.5 26.3#

100 8.7 12.6 18.8#

Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

