

Data File : VU030395.D
Acq On : 25 Mar 2019 03:37
Operator : JC/SP
Sample : K2070-10
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D4

Quant Time: Mar 25 05:54:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	437407	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	441695	50.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.49	152	237039	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	118436	33.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.30%
7) Chloroethane-d5	1.68	69	103805	37.20	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.40%
11) 1,1-Dichloroethene-d2	2.27	63	199845	29.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.86%#
21) 2-Butanone-d5	4.17	46	304260	91.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.95%
24) Chloroform-d	4.64	84	271755	44.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.62%
26) 1,2-Dichloroethane-d4	5.31	65	183907	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.68%
32) Benzene-d6	5.34	84	560243	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
36) 1,2-Dichloropropane-d6	6.33	67	197389	45.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.10%
41) Toluene-d8	7.56	98	504631	44.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.72%
43) trans-1,3-Dichloropropene-	7.85	79	83428	40.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.88%
47) 2-Hexanone-d5	8.31	63	209472	89.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.20%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	275921	44.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.98%
64) 1,2-Dichlorobenzene-d4	11.87	152	220756	46.48	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.96%

Target Compounds

					Qvalue
9) Trichlorofluoromethane	1.88	101	4703	0.843 ug/L	99
13) Acetone	2.32	43	12669	3.786 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	5373	0.495 ug/L #	58
25) Chloroform	4.67	83	19441	3.036 ug/L	92
27) 1,2-Dichloroethane	5.41	62	651588	129.655 ug/L #	75
29) Cyclohexane	4.99	56	23238	3.477 ug/L	99
31) Carbon tetrachloride	5.13	117	113103	24.673 ug/L	97
34) Trichloroethene	6.19	95	4279	1.158 ug/L	94
35) Methylcyclohexane	6.41	83	9957	1.637 ug/L #	82
42) Toluene	7.64	91	14234	0.912 ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3140	0.582 ug/L	91
46) Tetrachloroethene	8.23	164	10207	3.954 ug/L	94
62) 1,3-Dichlorobenzene	11.42	146	3515017	453.444 ug/L	99
63) 1,4-Dichlorobenzene	11.42	146	3515017	440.462 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	10599	6.073 ug/L #	7
68) 1,2,4-trichlorobenzene	13.50	180	5159743	1023.300 ug/L	99
69) Naphthalene	13.74	128	13758	0.767 ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032419\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Mon Mar 25 05:48:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) 1,2,3-Trichlorobenzene	13.98	180	405145	76.092	ug/L	99

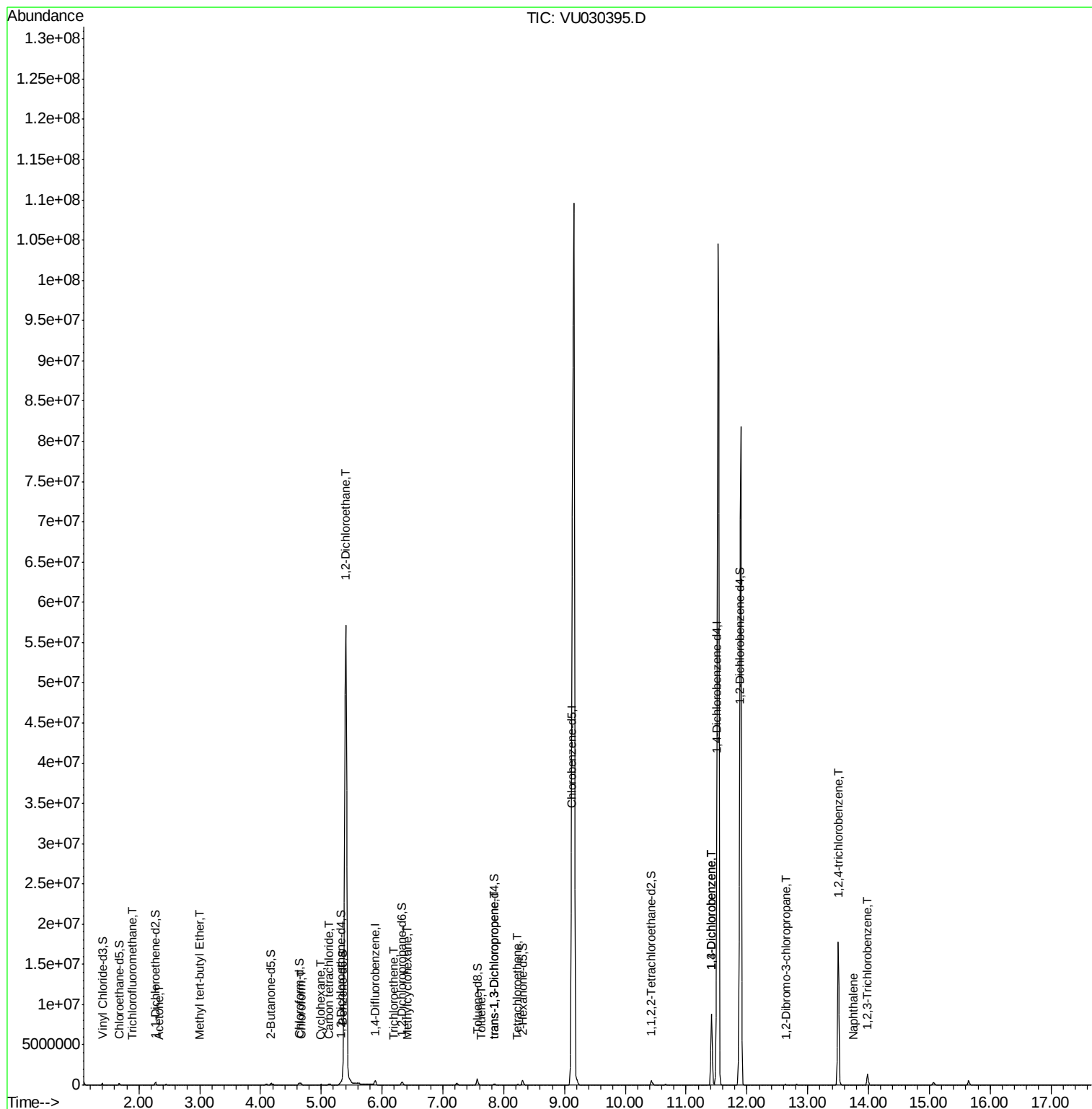
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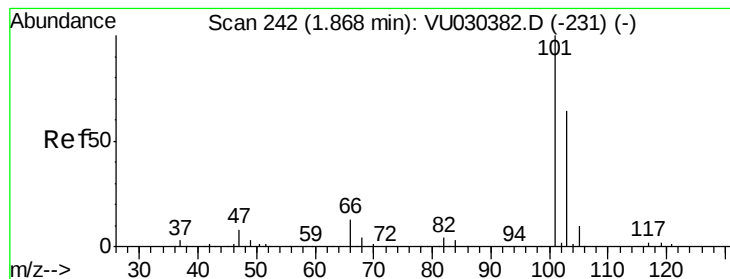
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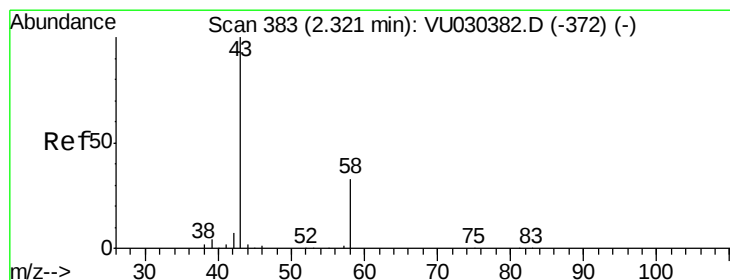
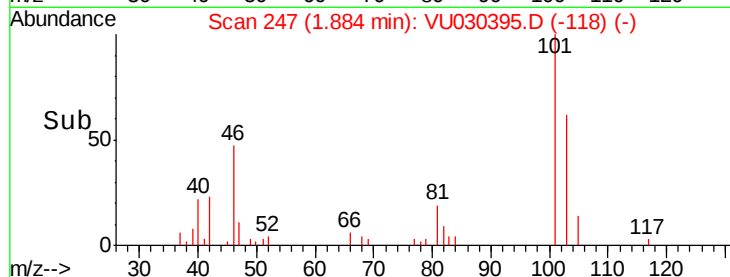
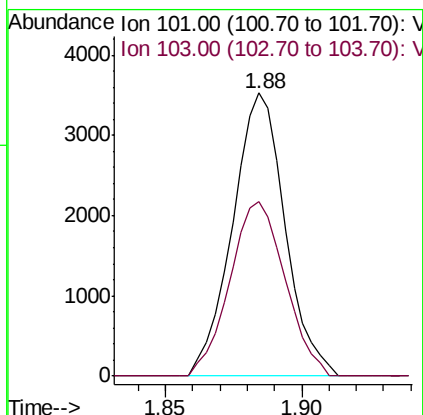
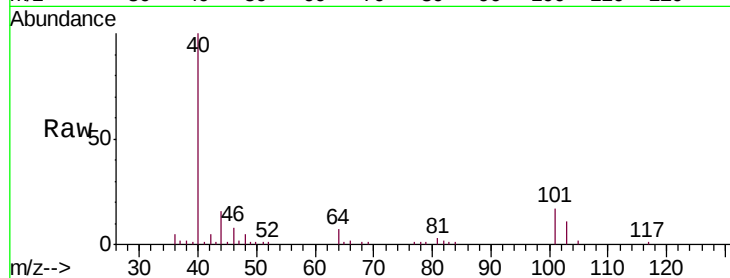


#9

Trichlorofluoromethane
 Concen: 0.843 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.02 min
 Lab File: VU030395.D
 Acq: 25 Mar 2019 03:37

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D4

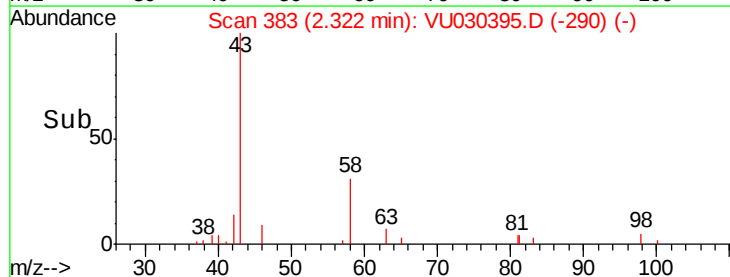
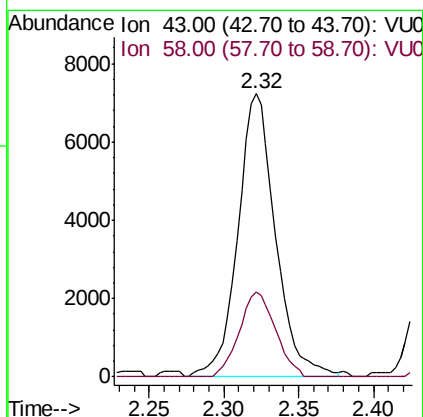
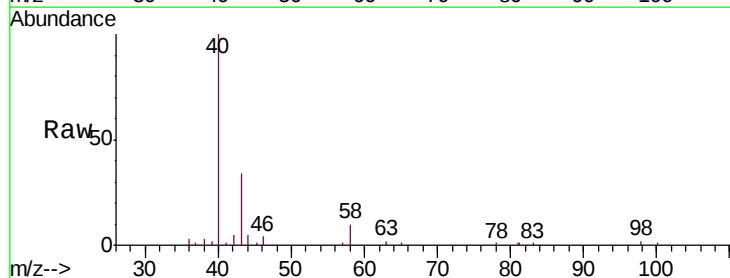
Tgt Ion:101 Resp: 4703
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.1 76.7

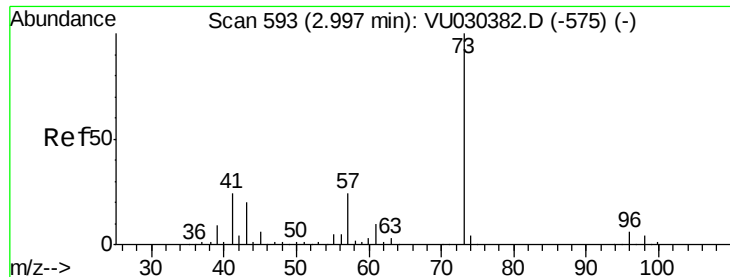


#13

Acetone
 Concen: 3.786 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU030395.D
 Acq: 25 Mar 2019 03:37

Tgt Ion: 43 Resp: 12669
 Ion Ratio Lower Upper
 43 100
 58 28.7 0.0 62.8

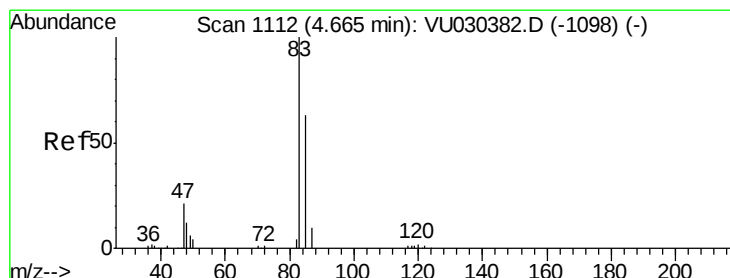
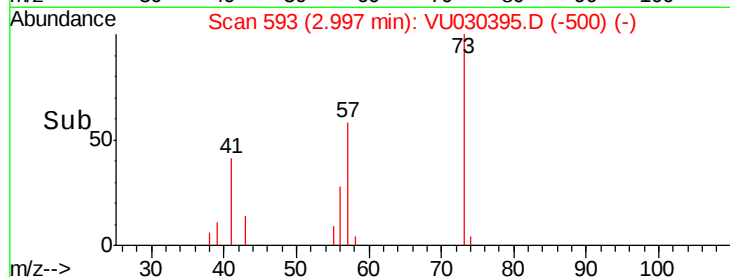
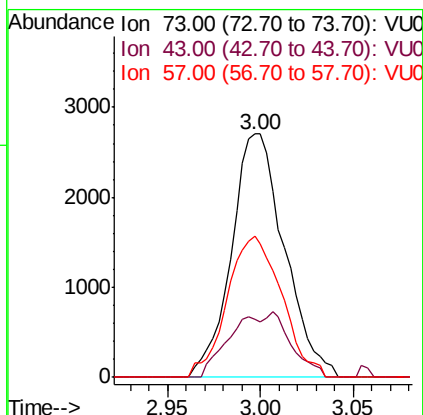
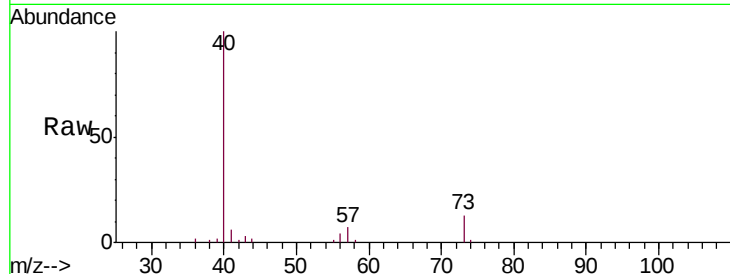




#18
Methyl tert-butyl Ether
Concen: 0.495 ug/L
RT: 3.00 min Scan# 593
Delta R.T. 0.00 min
Lab File: VU030395.D
Acq: 25 Mar 2019 03:37

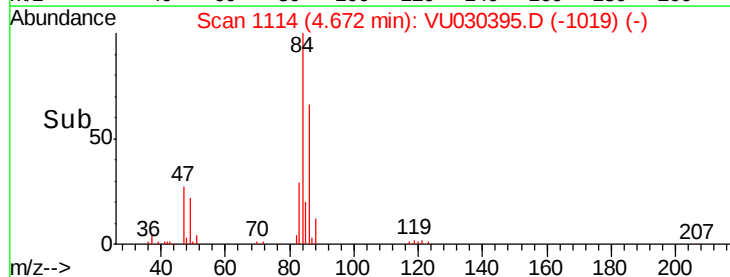
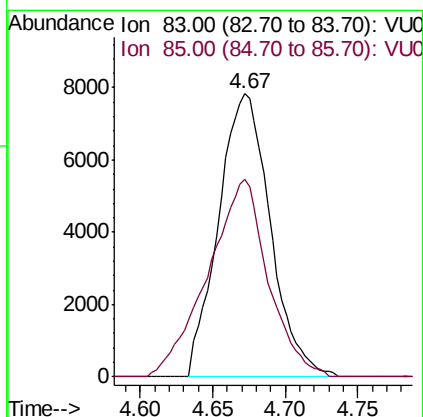
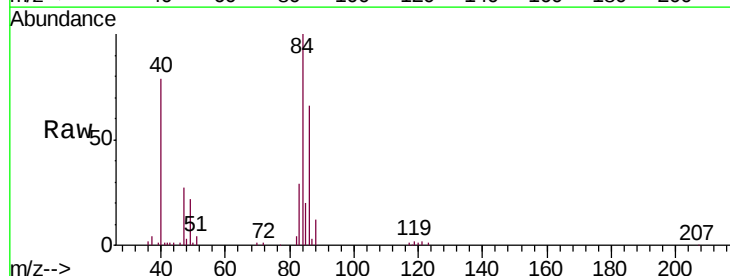
Instrument :
MSVOA_U
ClientSampleId :
C09D4

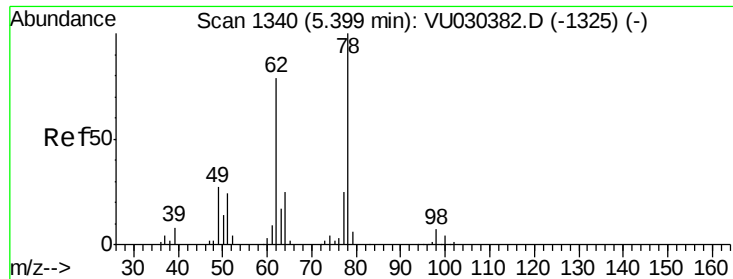
Tgt Ion: 73 Resp: 5373
Ion Ratio Lower Upper
73 100
43 16.6 16.6 24.8
57 58.3 18.9 28.3#



#25
Chloroform
Concen: 3.036 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VU030395.D
Acq: 25 Mar 2019 03:37

Tgt Ion: 83 Resp: 19441
Ion Ratio Lower Upper
83 100
85 69.6 44.4 82.4

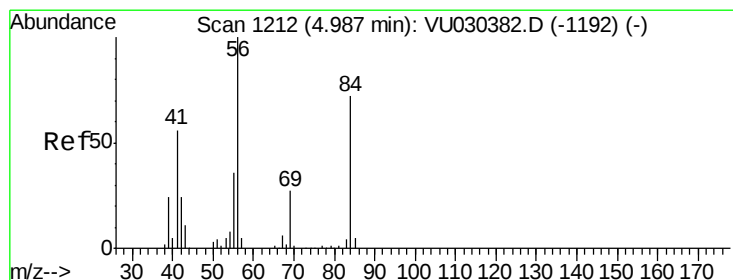
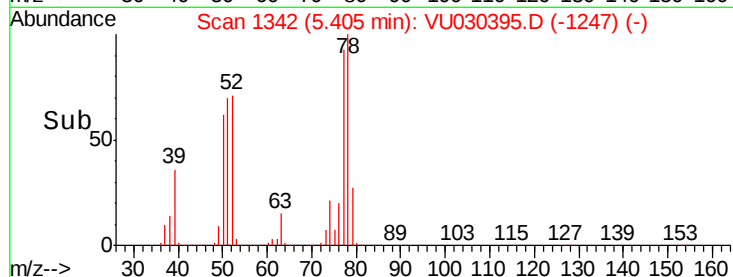
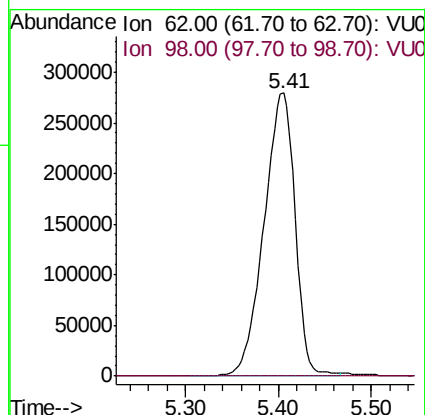
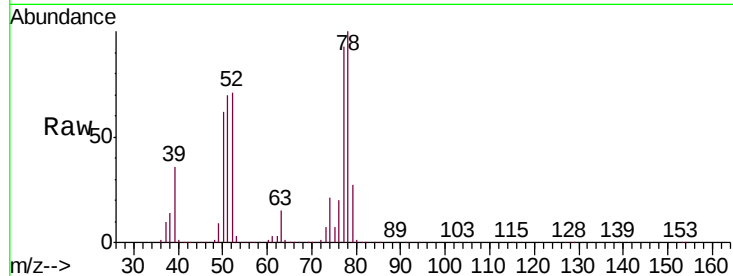




#27
 1,2-Dichloroethane
 Concen: 129.655 ug/L
 RT: 5.41 min Scan# 1342
 Delta R.T. 0.01 min
 Lab File: VU030395.D
 Acq: 25 Mar 2019 03:37

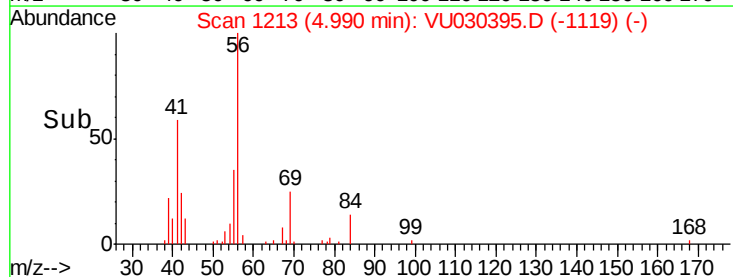
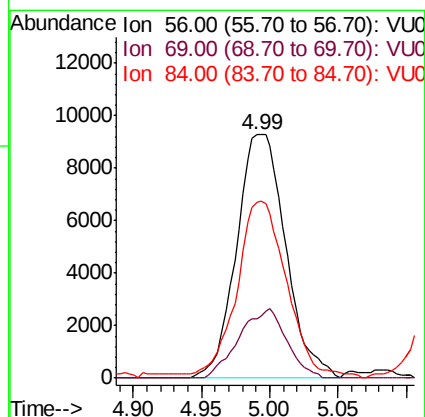
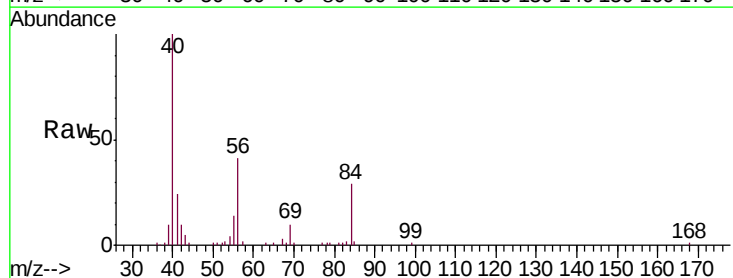
Instrument :
 MSVOA_U
 ClientSampleId :
 C09D4

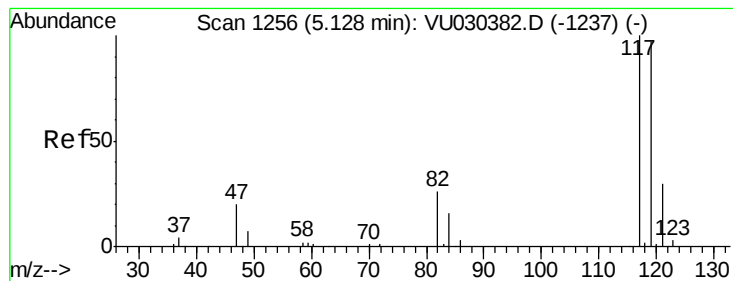
Tgt Ion: 62 Resp: 651588
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.2 10.8#



#29
 Cyclohexane
 Concen: 3.477 ug/L
 RT: 4.99 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: VU030395.D
 Acq: 25 Mar 2019 03:37

Tgt Ion: 56 Resp: 23238
 Ion Ratio Lower Upper
 56 100
 69 27.6 22.9 34.3
 84 74.1 58.9 88.3





#31

Carbon tetrachloride

Concen: 24.673 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

Instrument :

MSVOA_U

ClientSampled :

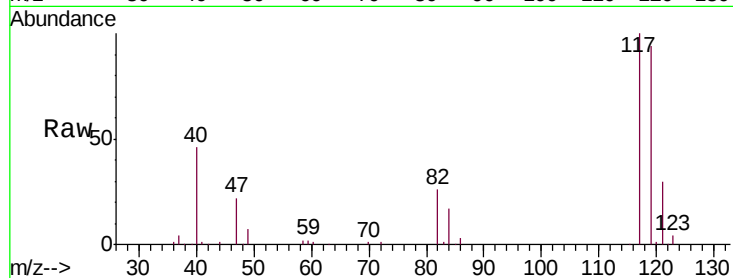
C09D4

Tgt Ion:117 Resp: 113103

Ion Ratio Lower Upper

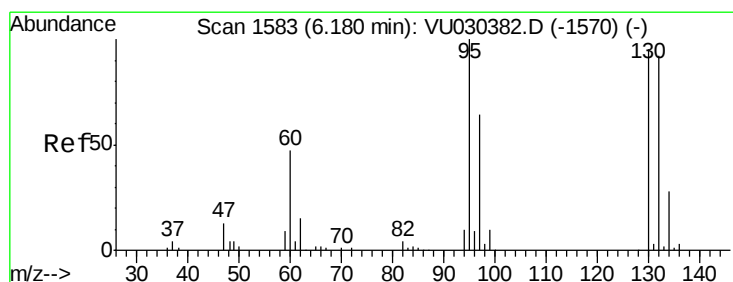
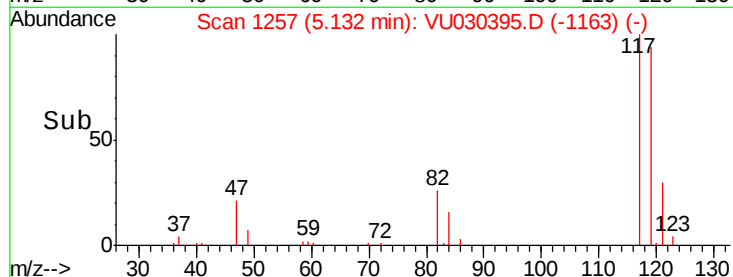
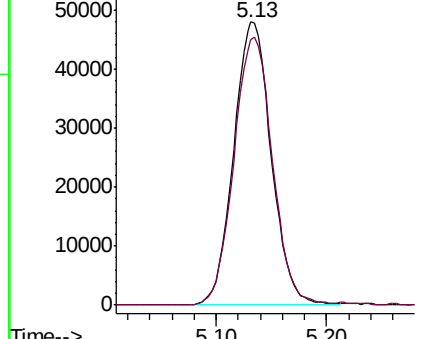
117 100

119 97.2 75.4 113.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Trichloroethene

Concen: 1.158 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

Tgt Ion: 95 Resp: 4279

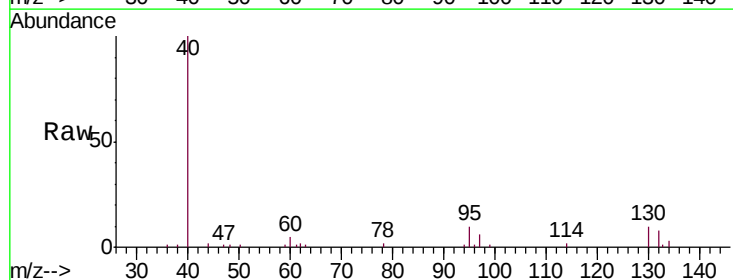
Ion Ratio Lower Upper

95 100

97 63.6 45.7 84.9

132 88.2 63.8 118.4

130 104.5 65.7 121.9

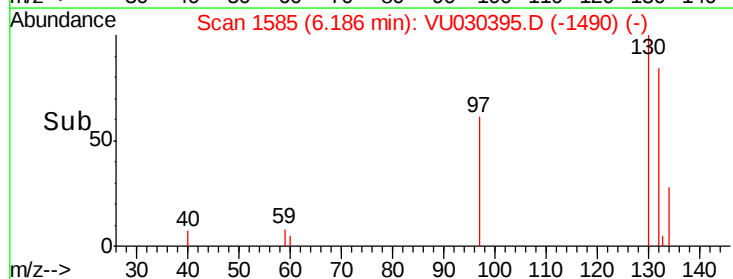
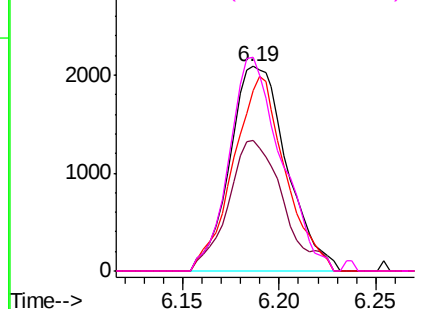


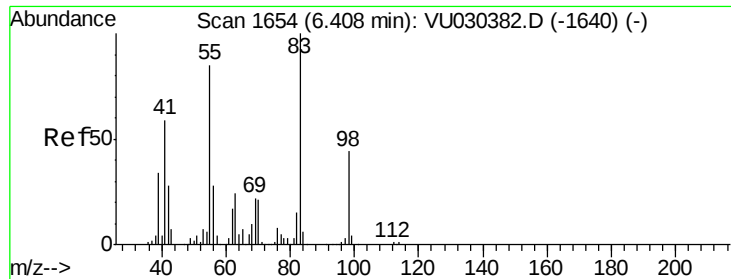
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#35

Methylcyclohexane

Concen: 1.637 ug/L

RT: 6.41 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

Instrument :

MSVOA_U

ClientSampleId :

C09D4

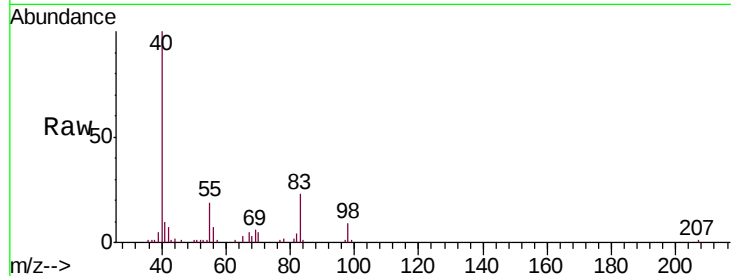
Tgt Ion: 83 Resp: 9957

Ion Ratio Lower Upper

83 100

55 112.8 71.4 107.0#

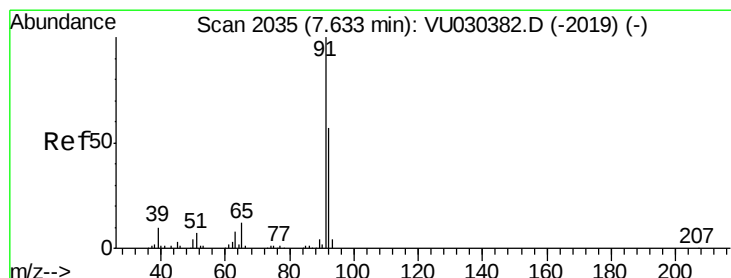
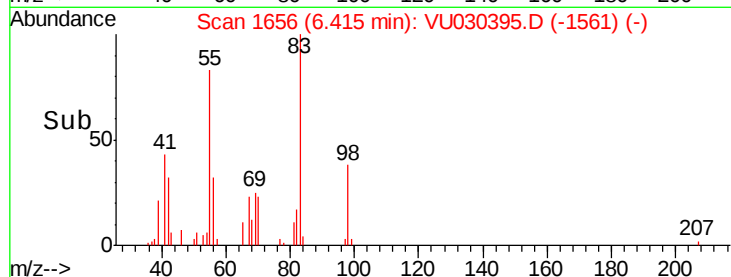
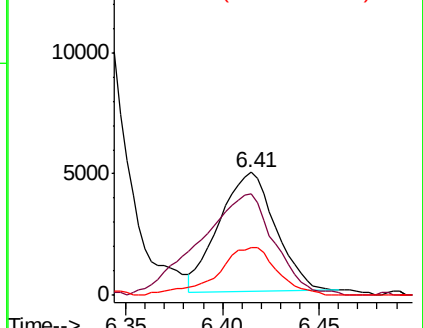
98 42.6 36.0 54.0



Abundance Ion 83.00 (82.70 to 83.70): VU030382.D (-1640) (-)

Ion 55.00 (54.70 to 55.70): VU030382.D (-1640) (-)

Ion 98.00 (97.70 to 98.70): VU030382.D (-1640) (-)



#42

Toluene

Concen: 0.912 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030395.D

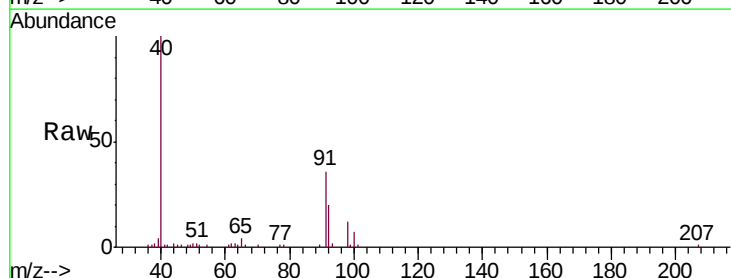
Acq: 25 Mar 2019 03:37

Tgt Ion: 91 Resp: 14234

Ion Ratio Lower Upper

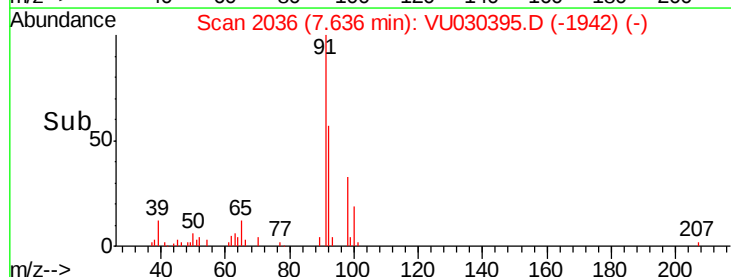
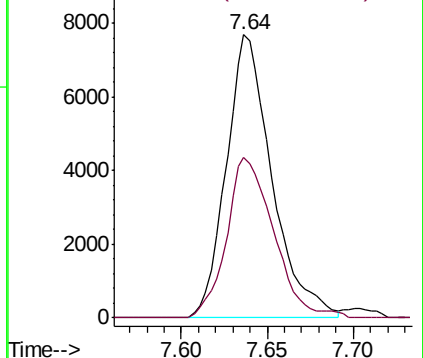
91 100

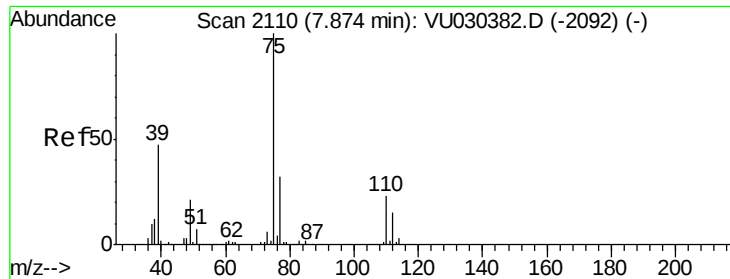
92 56.7 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU030382.D (-2019) (-)

Ion 92.00 (91.70 to 92.70): VU030382.D (-2019) (-)

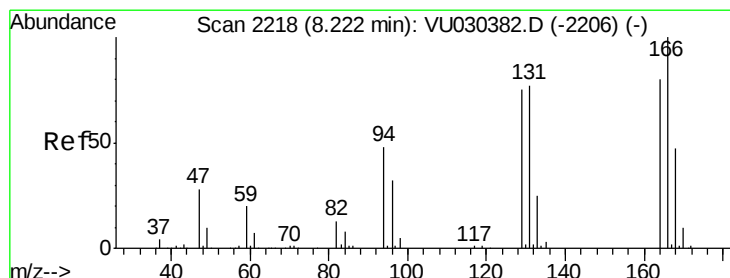
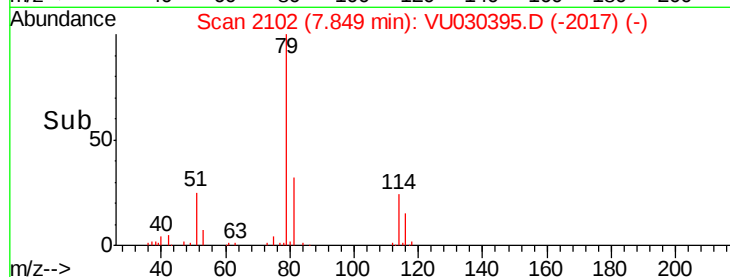
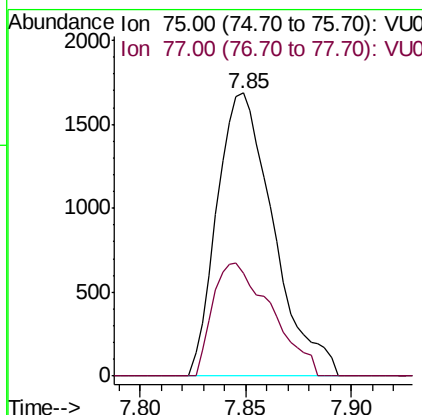
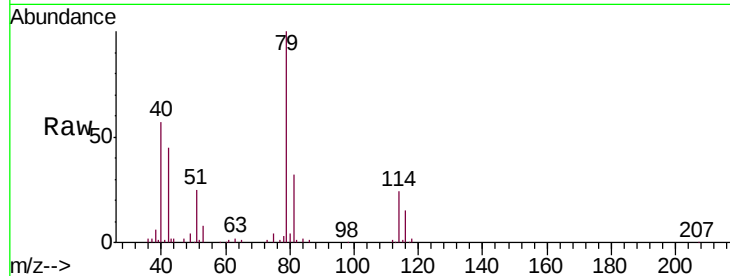




#44
trans-1,3-Dichloropropene
Concen: 0.582 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030395.D
Acq: 25 Mar 2019 03:37

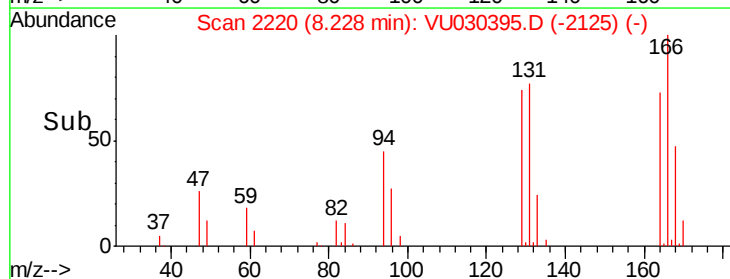
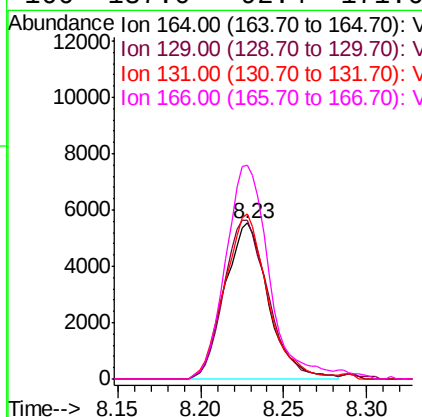
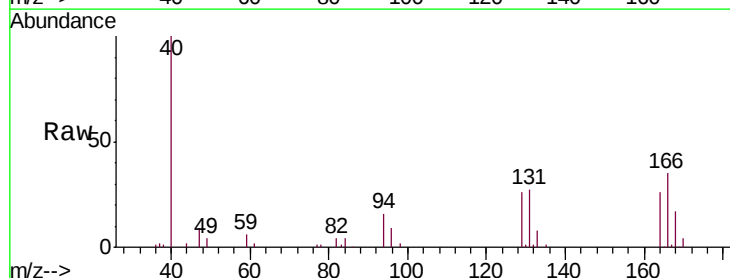
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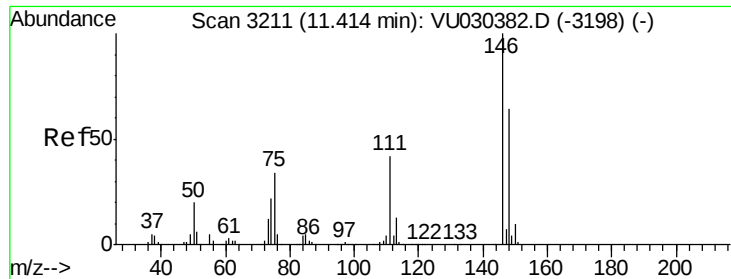
Tgt Ion: 75 Resp: 3140
Ion Ratio Lower Upper
75 100
77 36.2 22.0 40.8



#46
Tetrachloroethene
Concen: 3.954 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU030395.D
Acq: 25 Mar 2019 03:37

Tgt Ion: 164 Resp: 10207
Ion Ratio Lower Upper
164 100
129 101.6 68.1 126.5
131 106.0 67.7 125.7
166 137.0 92.4 171.6





#62

1,3-Dichlorobenzene

Concen: 453.444 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

Instrument :

MSVOA_U

ClientSampled :

C09D4

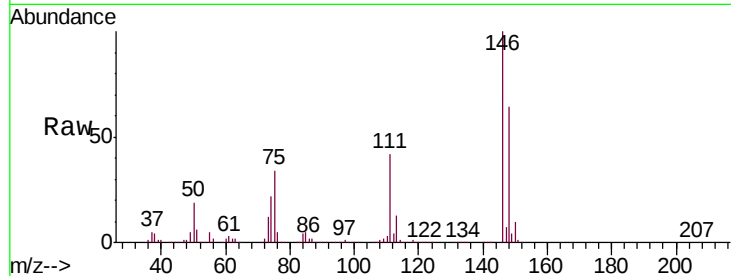
Tgt Ion:146 Resp: 3515017

Ion Ratio Lower Upper

146 100

111 42.1 29.2 54.2

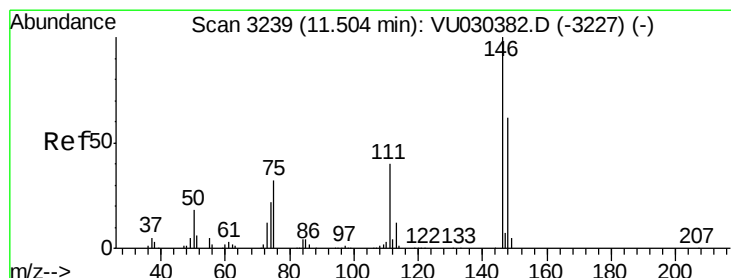
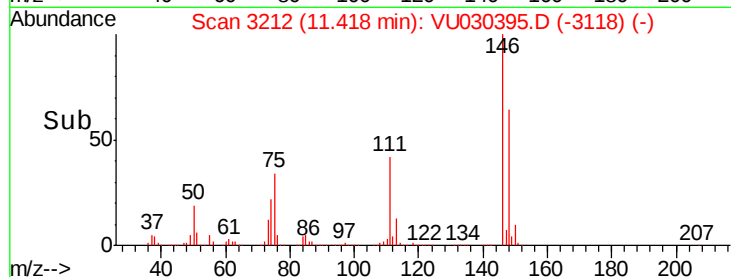
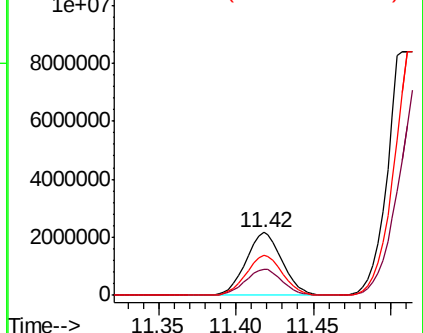
148 63.9 44.4 82.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 440.462 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. -0.09 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

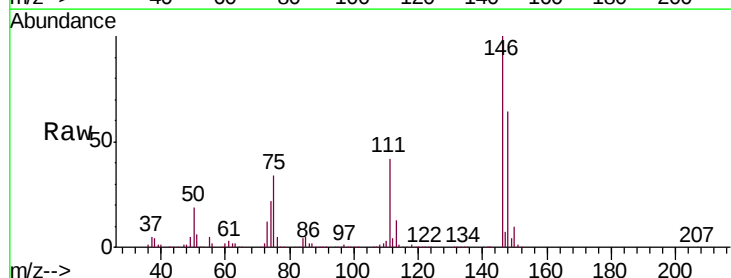
Tgt Ion:146 Resp: 3515017

Ion Ratio Lower Upper

146 100

111 42.1 28.7 53.3

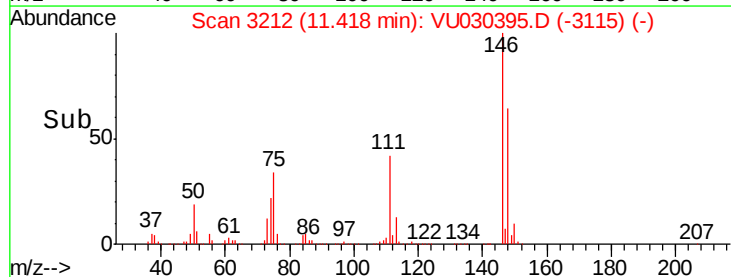
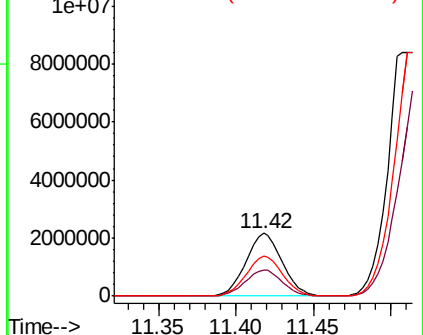
148 63.9 44.3 82.3

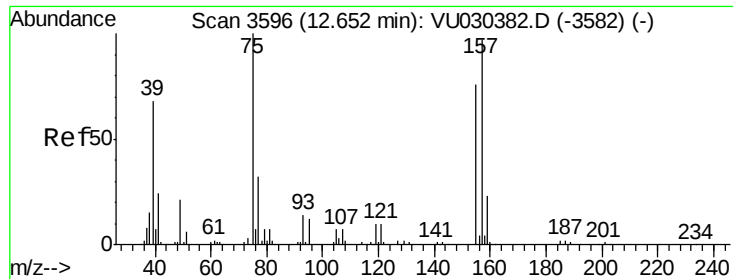


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#66

1,2-Dibromo-3-chloropropane

Concen: 6.073 ug/L

RT: 12.63 min Scan# 3590

Delta R.T. -0.02 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

Instrument :

MSVOA_U

ClientSampleId :

C09D4

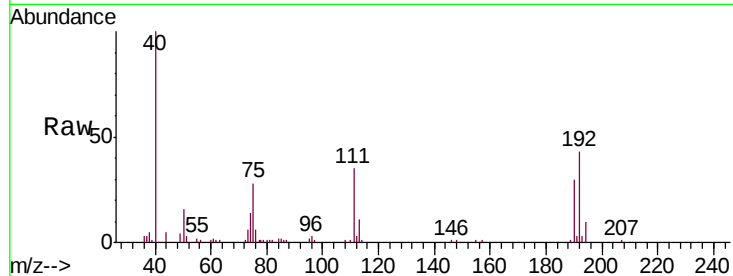
Tgt Ion: 75 Resp: 10599

Ion Ratio Lower Upper

75 100

155 2.9 61.8 92.6#

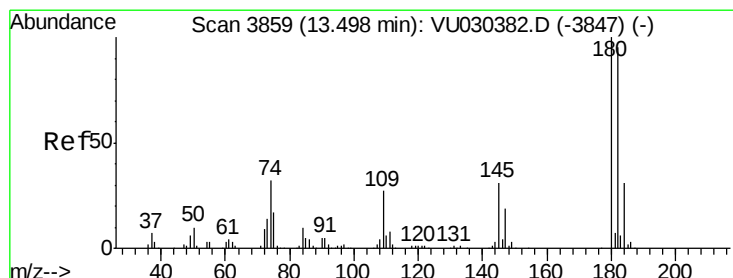
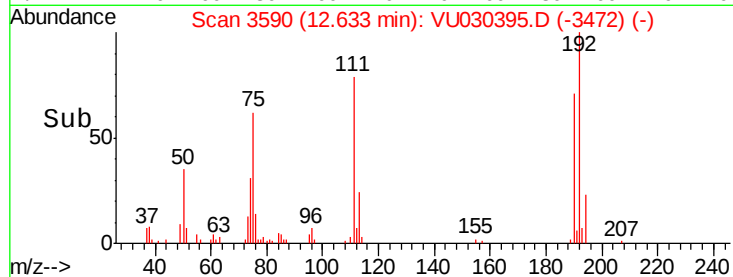
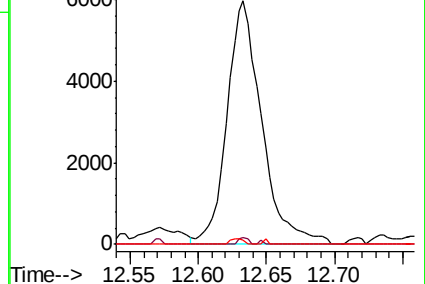
157 2.0 80.2 120.4#



Abundance Ion 75.00 (74.70 to 75.70): VU030382.D (-3582) (-)

Ion 155.00 (154.70 to 155.70): VU030382.D (-3582) (-)

Ion 157.00 (156.70 to 157.70): VU030382.D (-3582) (-)



#68

1,2,4-trichlorobenzene

Concen: 1023.300 ug/L

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

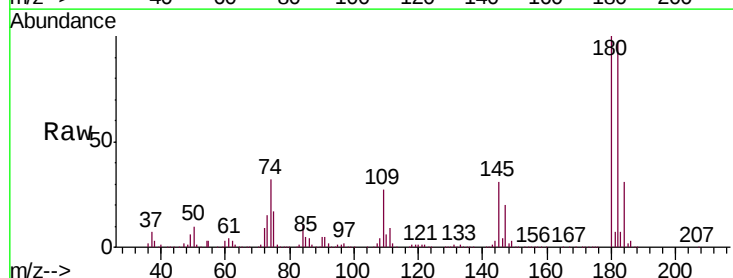
Tgt Ion: 180 Resp: 5159743

Ion Ratio Lower Upper

180 100

182 96.1 76.1 114.1

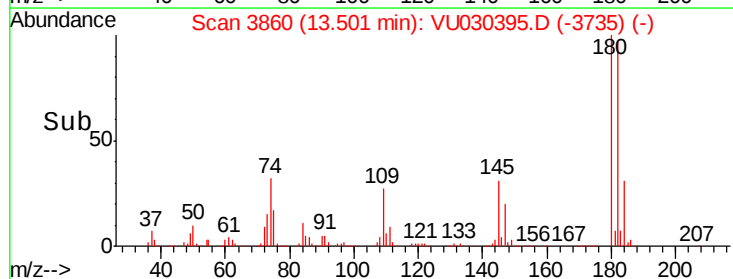
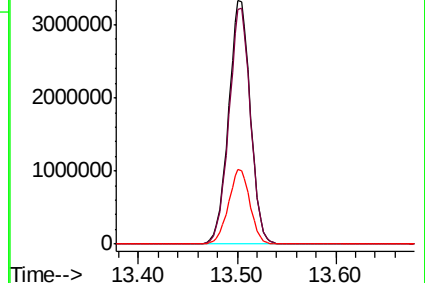
145 30.5 24.5 36.7

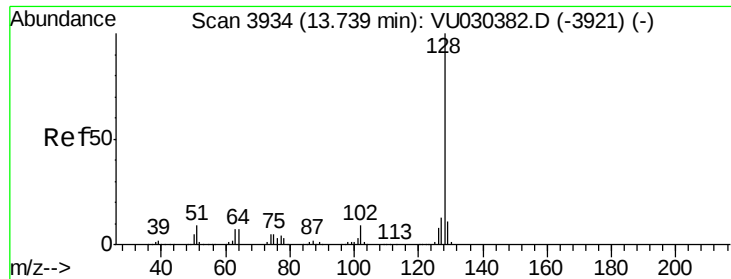


Abundance Ion 180.00 (179.70 to 180.70): VU030382.D (-3847) (-)

Ion 182.00 (181.70 to 182.70): VU030382.D (-3847) (-)

Ion 145.00 (144.70 to 145.70): VU030382.D (-3847) (-)





#69

Naphthalene

Concen: 0.767 ug/L

RT: 13.74 min Scan# 3935

Delta R.T. 0.00 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

Instrument :

MSVOA_U

ClientSampleId :

C09D4

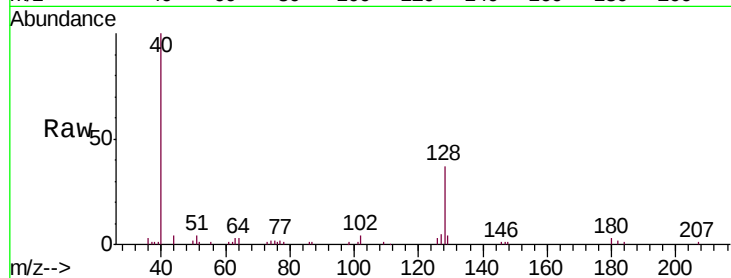
Tgt Ion:128 Resp: 13758

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

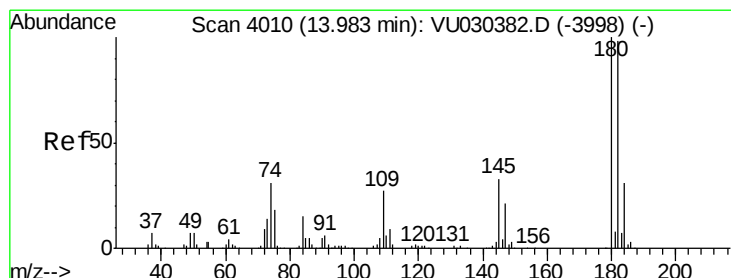
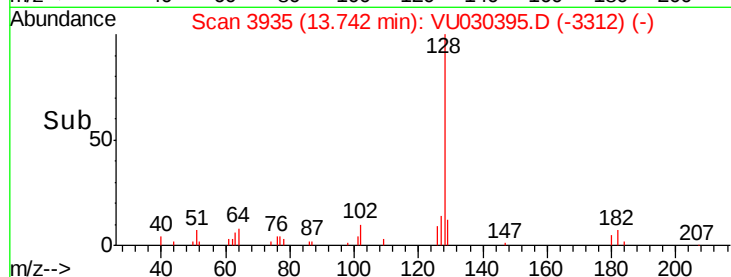
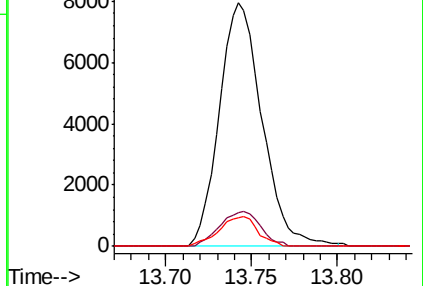
129 11.1 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 76.092 ug/L

RT: 13.98 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VU030395.D

Acq: 25 Mar 2019 03:37

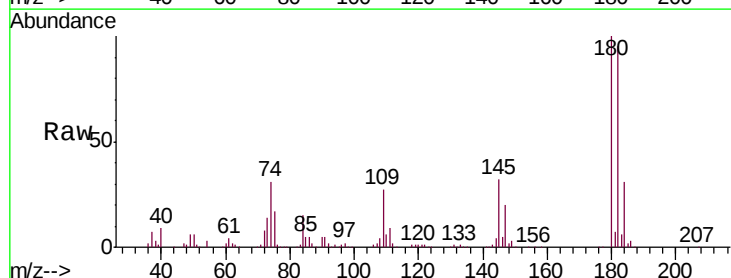
Tgt Ion:180 Resp: 405145

Ion Ratio Lower Upper

180 100

182 95.7 77.4 116.2

145 32.3 25.9 38.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

