

Data File : VU030398.D
Acq On : 25 Mar 2019 04:48
Operator : JC/SP
Sample : K2070-13
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09D8

Quant Time: Mar 25 05:55:05 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	455097	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.11	117	450227	50.00	ug/L	0.03
60) 1,4-Dichlorobenzene-d4	11.50	152	245651	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	119456	32.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.24%
7) Chloroethane-d5	1.68	69	107232	36.94	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.88%
11) 1,1-Dichloroethene-d2	2.27	63	186843	26.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.78%#
21) 2-Butanone-d5	4.17	46	310776	90.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.26%
24) Chloroform-d	4.64	84	271013	42.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.90%
26) 1,2-Dichloroethane-d4	5.32	65	185805	45.00	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.00%
32) Benzene-d6	5.35	84	565811	43.82	ug/L	0.02
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
36) 1,2-Dichloropropane-d6	6.33	67	199814	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.46%
41) Toluene-d8	7.56	98	509465	43.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.88%
43) trans-1,3-Dichloropropene-	7.85	79	85785	41.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.60%
47) 2-Hexanone-d5	8.31	63	215539	90.04	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.04%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	282695	44.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.44%
64) 1,2-Dichlorobenzene-d4	11.87	152	224415	45.59	ug/L	0.02
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.18%

Target Compounds

					Qvalue
13) Acetone	2.32	43	13693	3.933 ug/L	97
14) Carbon disulfide	2.48	76	9053	0.841 ug/L #	94
16) Methylene chloride	2.70	84	2673	0.696 ug/L	95
18) Methyl tert-butyl Ether	3.00	73	7103	0.629 ug/L #	53
25) Chloroform	4.67	83	114692	17.212 ug/L	99
27) 1,2-Dichloroethane	5.42	62	1431890	273.847 ug/L #	75
29) Cyclohexane	4.99	56	27488	4.034 ug/L #	91
31) Carbon tetrachloride	5.13	117	145600	31.160 ug/L	97
34) Trichloroethene	6.19	95	4920	1.306 ug/L	94
35) Methylcyclohexane	6.41	83	12232	1.973 ug/L #	80
42) Toluene	7.64	91	16073	1.011 ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3517	0.639 ug/L #	79
46) Tetrachloroethene	8.22	164	9491	3.607 ug/L	95
48) 2-Hexanone	8.31	43	25409	4.244 ug/L #	71
62) 1,3-Dichlorobenzene	11.42	146	3965879	493.671 ug/L	99
63) 1,4-Dichlorobenzene	11.42	146	3965879	479.537 ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.63	75	11919	6.590 ug/L #	7

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

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	13.50	180	6062185	1008.004	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	6062185	1160.127	ug/L	99
69) Naphthalene	13.74	128	11713	0.630	ug/L	97
70) 1,2,3-Trichlorobenzene	13.98	180	685352	124.207	ug/L	100

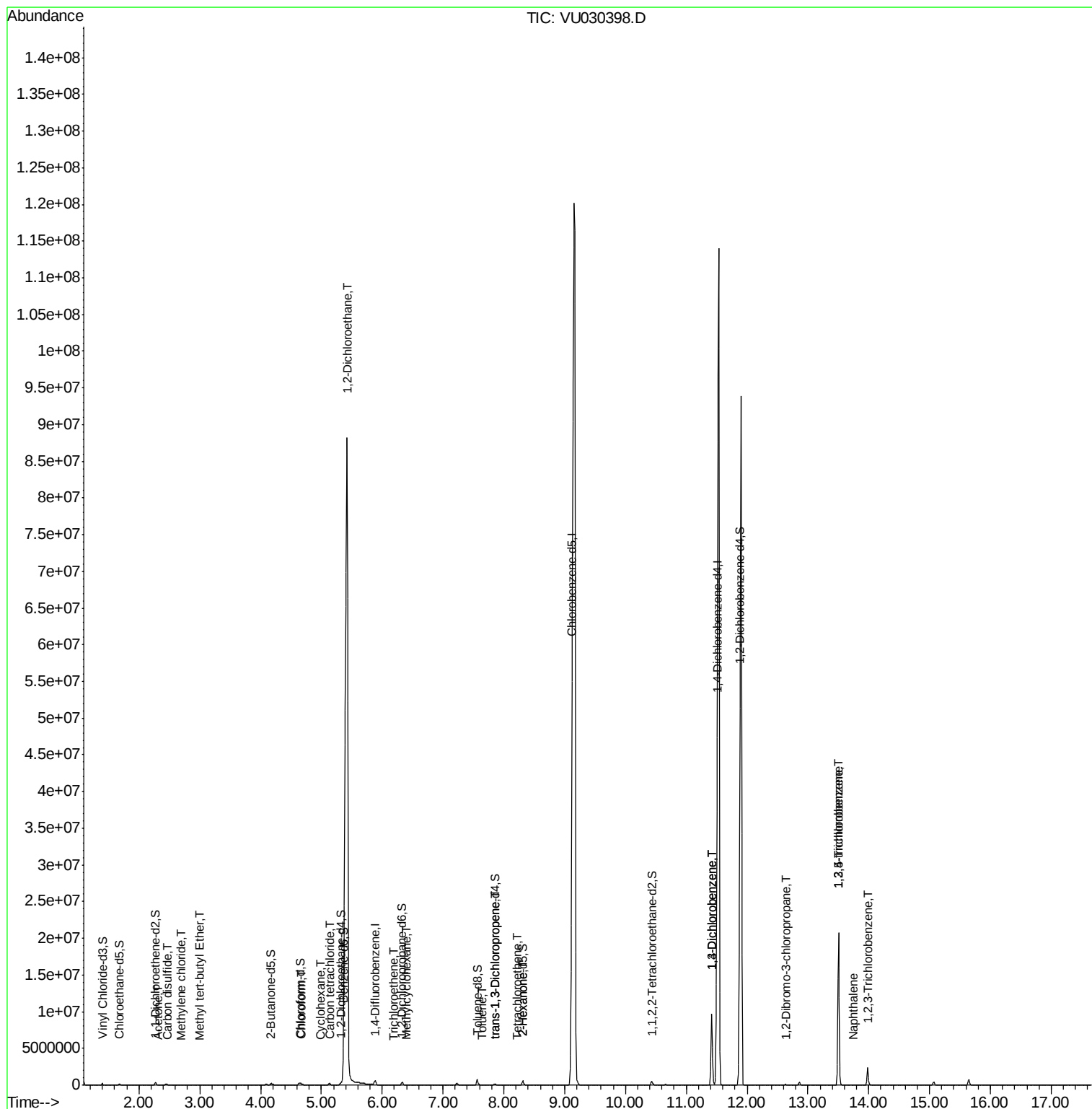
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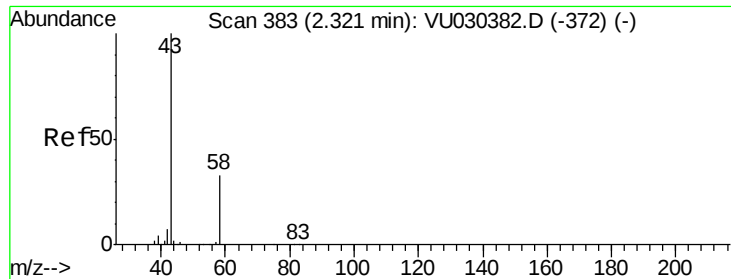
Data File : VU030398.D

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Misc         : 5.0mL/MSVOA_U/WATER
ALS Vial     : 44   Sample Multiplier: 1
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Instrument :
MSVOA_U
ClientSampleId :
C09D8

Quant Time: Mar 25 05:55:05 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





#13

Acetone

Concen: 3.933 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU030398.D

Acq: 25 Mar 2019 04:48

Instrument :

MSVOA_U

ClientSampleId :

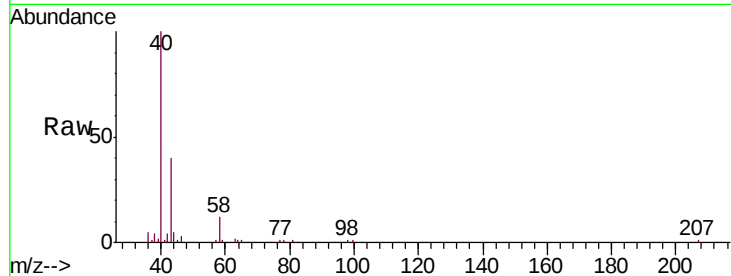
C09D8

Tgt Ion: 43 Resp: 13693

Ion Ratio Lower Upper

43 100

58 30.0 0.0 62.8



Abundance Ion 43.00 (42.70 to 43.70): VU030382.D (-372) (-)

Ion 58.00 (57.70 to 58.70): VU030382.D (-372) (-)

2.32

8000

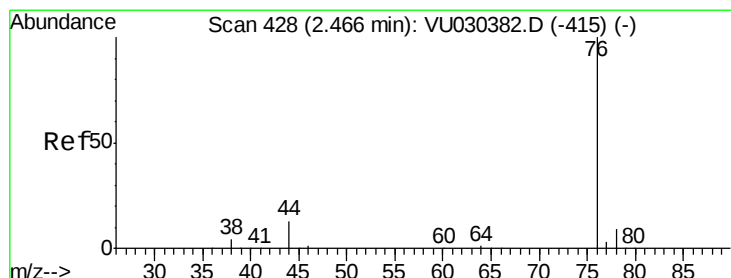
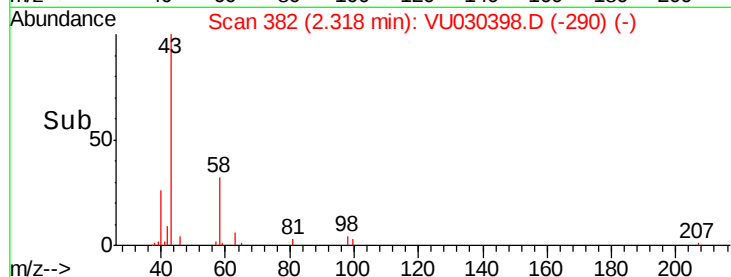
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 0.841 ug/L

RT: 2.48 min Scan# 431

Delta R.T. 0.01 min

Lab File: VU030398.D

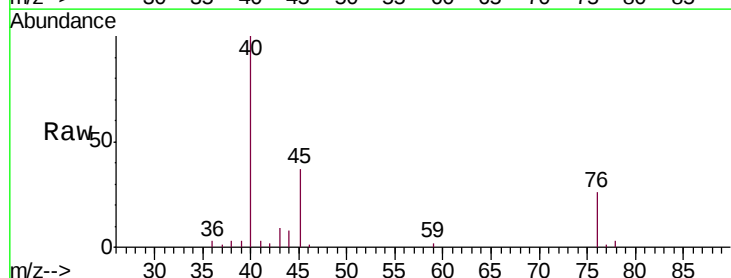
Acq: 25 Mar 2019 04:48

Tgt Ion: 76 Resp: 9053

Ion Ratio Lower Upper

76 100

78 11.4 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VU030382.D (-415) (-)

Ion 78.00 (77.70 to 78.70): VU030382.D (-415) (-)

2.48

6000

5000

4000

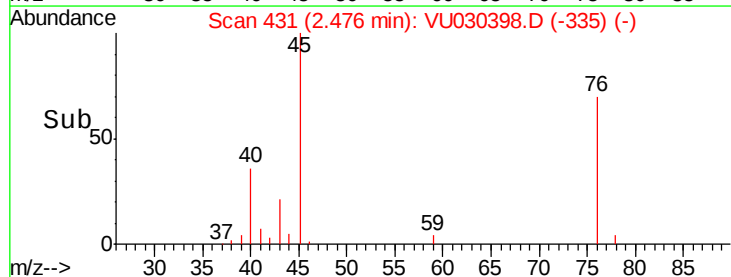
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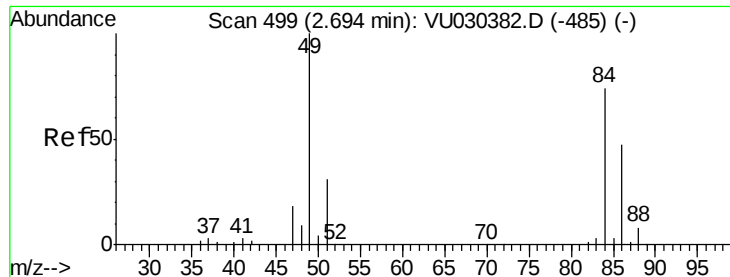
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1000

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Time-->

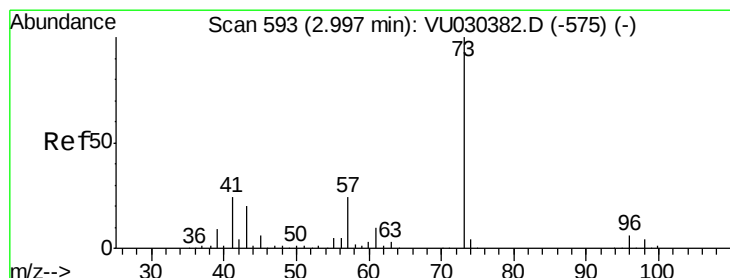
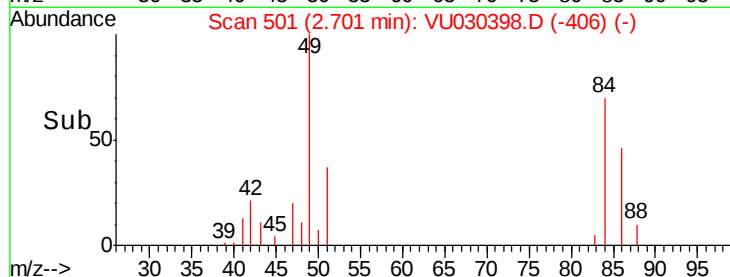
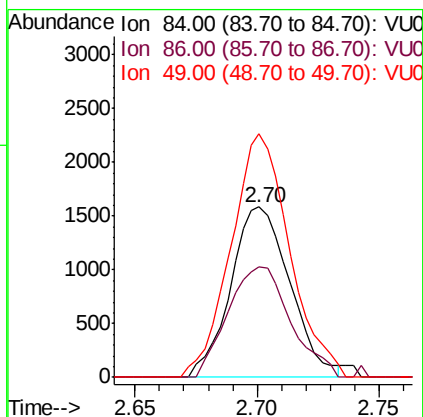
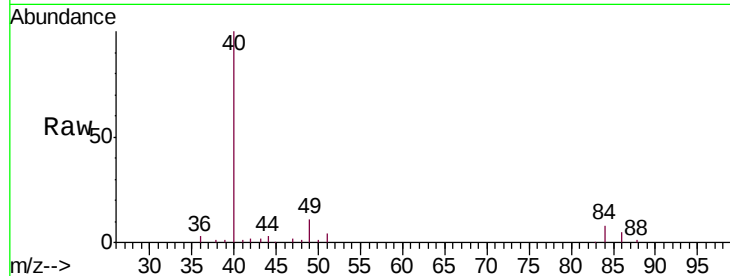




#16
Methylene chloride
Concen: 0.696 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.01 min
Lab File: VU030398.D
Acq: 25 Mar 2019 04:48

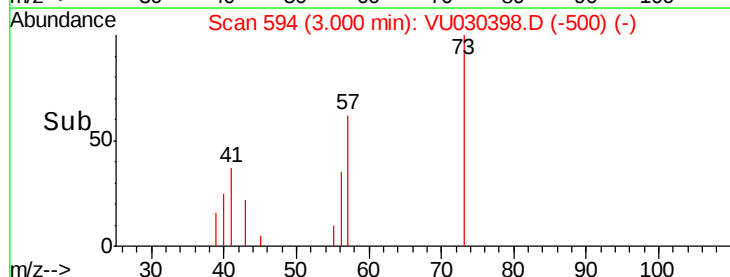
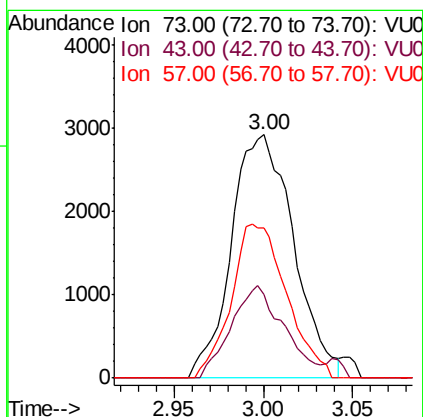
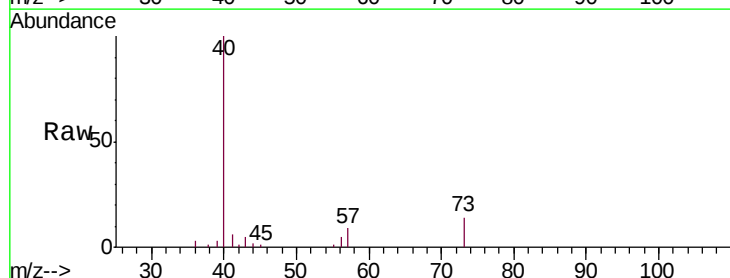
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MSVOA_U
ClientSampleId :
C09D8

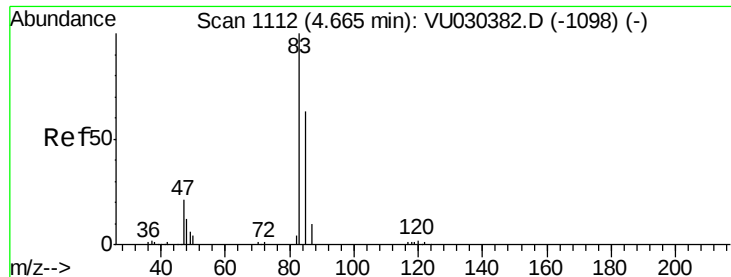
Tgt Ion: 84 Resp: 2673
Ion Ratio Lower Upper
84 100
86 65.1 44.3 82.3
49 142.7 94.9 176.3



#18
Methyl tert-butyl Ether
Concen: 0.629 ug/L
RT: 3.00 min Scan# 594
Delta R.T. 0.00 min
Lab File: VU030398.D
Acq: 25 Mar 2019 04:48

Tgt Ion: 73 Resp: 7103
Ion Ratio Lower Upper
73 100
43 32.4 16.6 24.8#
57 56.3 18.9 28.3#





#25

Chloroform

Concen: 17.212 ug/L

RT: 4.67 min Scan# 1114

Delta R.T. 0.01 min

Lab File: VU030398.D

Acq: 25 Mar 2019 04:48

Instrument :

MSVOA_U

ClientSampled :

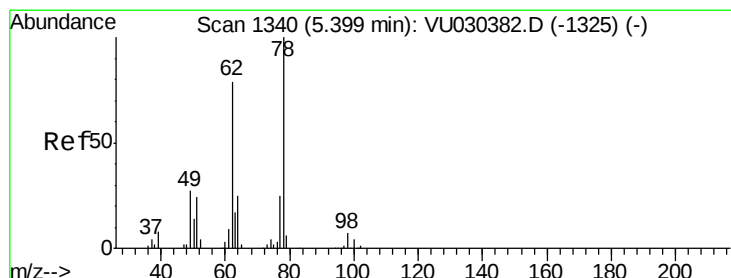
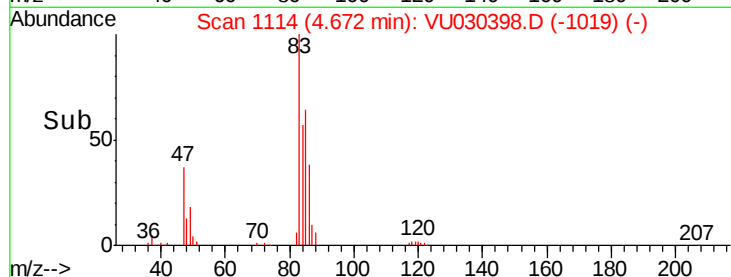
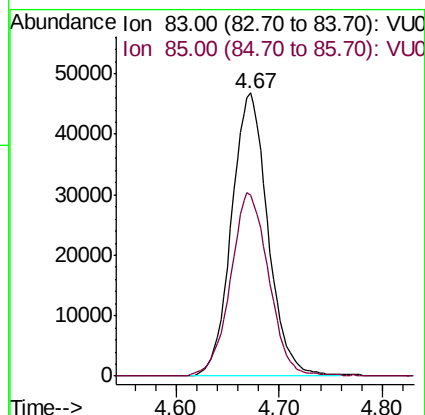
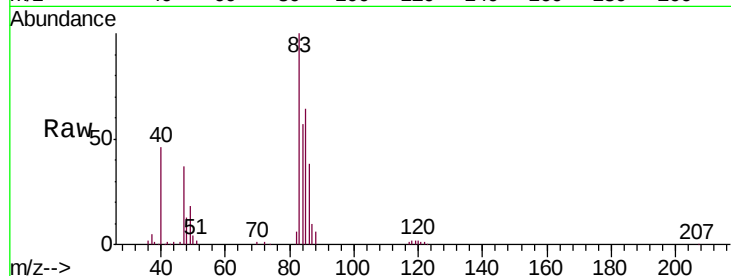
C09D8

Tgt Ion: 83 Resp: 114692

Ion Ratio Lower Upper

83 100

85 64.2 44.4 82.4



#27

1,2-Dichloroethane

Concen: 273.847 ug/L

RT: 5.42 min Scan# 1348

Delta R.T. 0.03 min

Lab File: VU030398.D

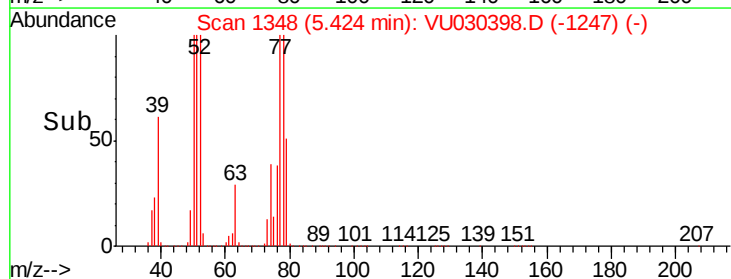
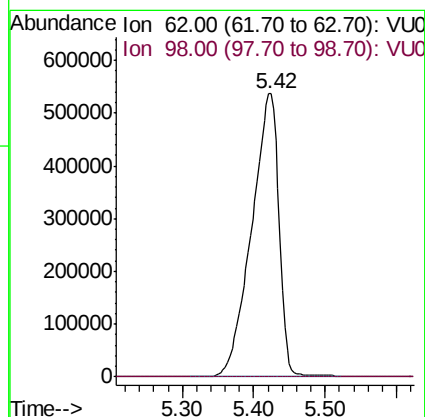
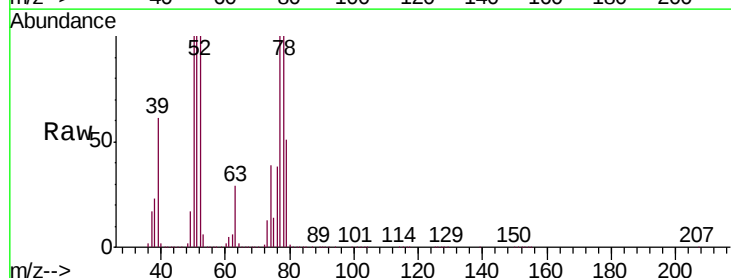
Acq: 25 Mar 2019 04:48

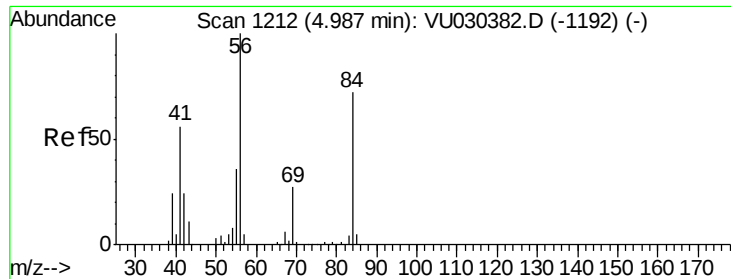
Tgt Ion: 62 Resp: 1431890

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#

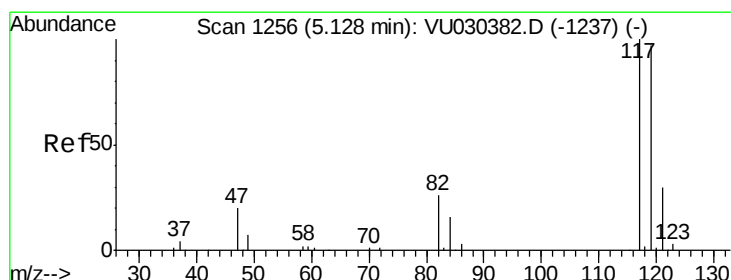
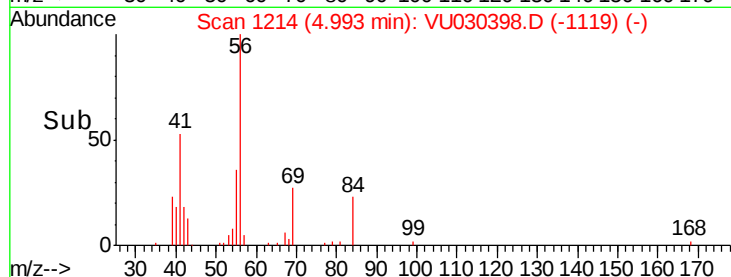
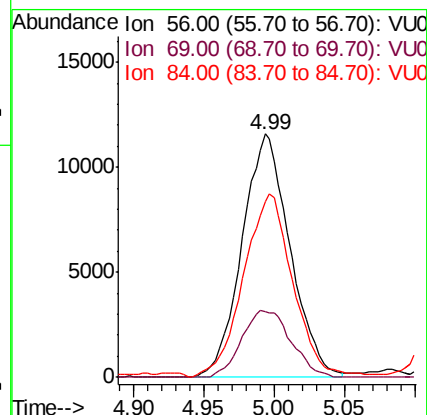
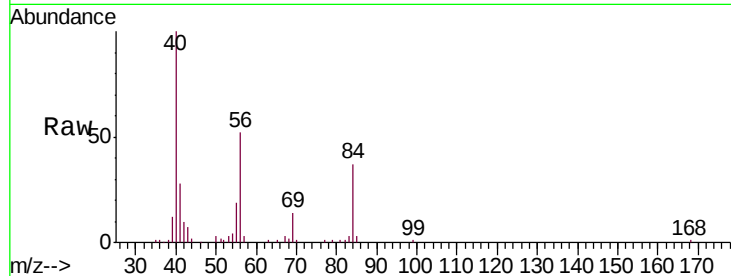




#29
Cyclohexane
Concen: 4.034 ug/L
RT: 4.99 min Scan# 1214
Delta R.T. 0.01 min
Lab File: VU030398.D
Acq: 25 Mar 2019 04:48

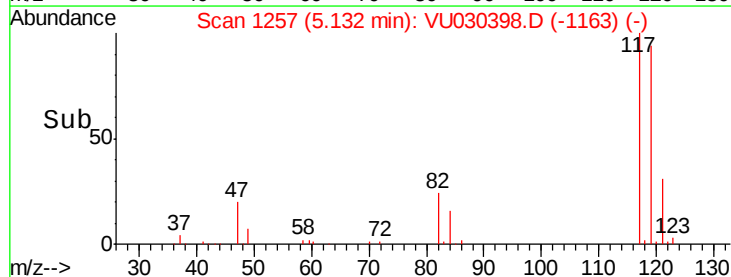
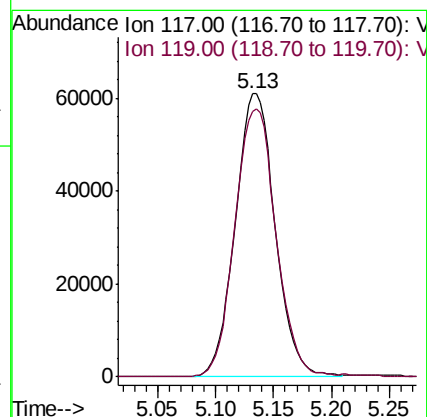
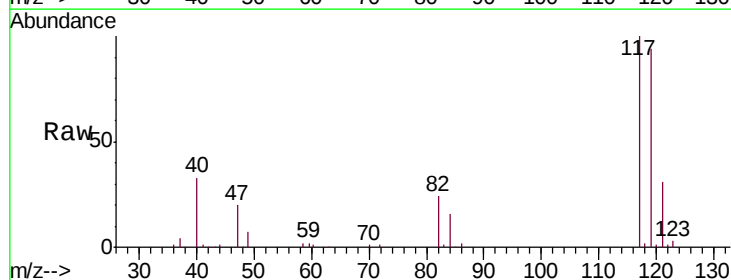
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ClientSampleId :
C09D8

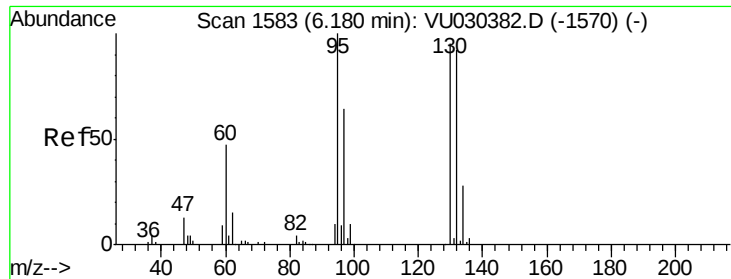
Tgt Ion: 56 Resp: 27488
Ion Ratio Lower Upper
56 100
69 16.5 22.9 34.3#
84 76.3 58.9 88.3



#31
Carbon tetrachloride
Concen: 31.160 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU030398.D
Acq: 25 Mar 2019 04:48

Tgt Ion: 117 Resp: 145600
Ion Ratio Lower Upper
117 100
119 97.5 75.4 113.2

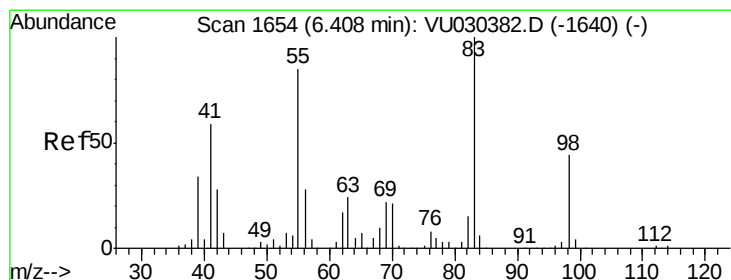
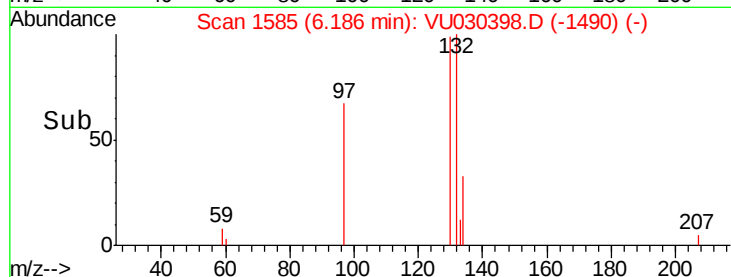
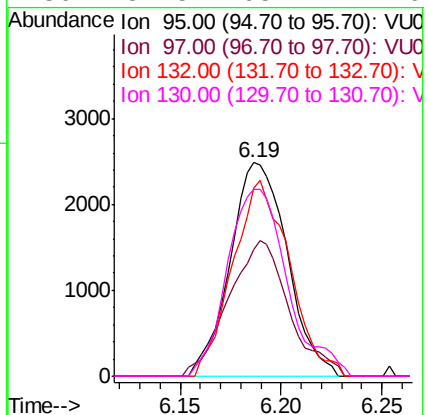
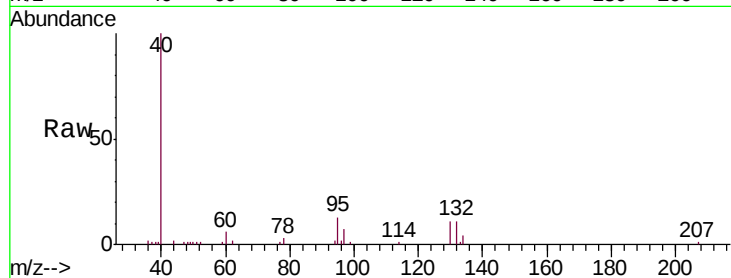




#34
 Trichloroethene
 Concen: 1.306 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: VU030398.D
 Acq: 25 Mar 2019 04:48

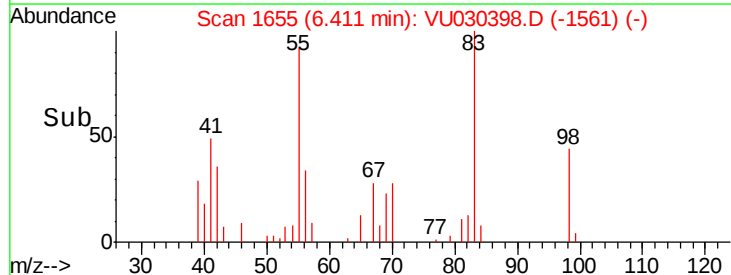
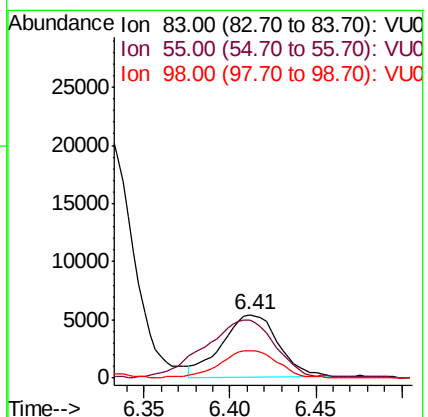
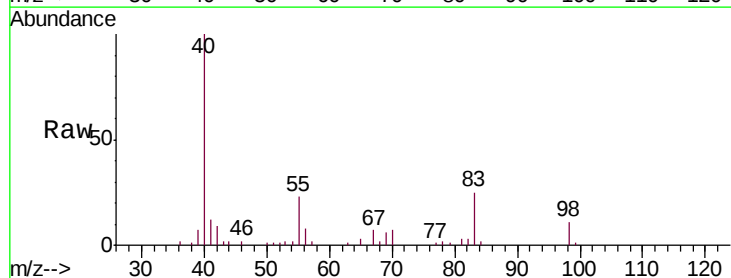
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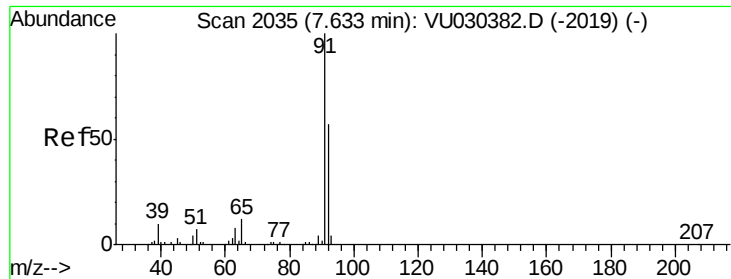
Tgt Ion:	95	Resp:	4920
Ion	Ratio	Lower	Upper
95	100		
97	59.2	45.7	84.9
132	88.4	63.8	118.4
130	87.5	65.7	121.9



#35
 Methylcyclohexane
 Concen: 1.973 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU030398.D
 Acq: 25 Mar 2019 04:48

Tgt Ion:	83	Resp:	12232
Ion	Ratio	Lower	Upper
83	100		
55	116.4	71.4	107.0#
98	45.9	36.0	54.0





#42

Toluene

Concen: 1.011 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU030398.D

Acq: 25 Mar 2019 04:48

Instrument :

MSVOA_U

ClientSampleId :

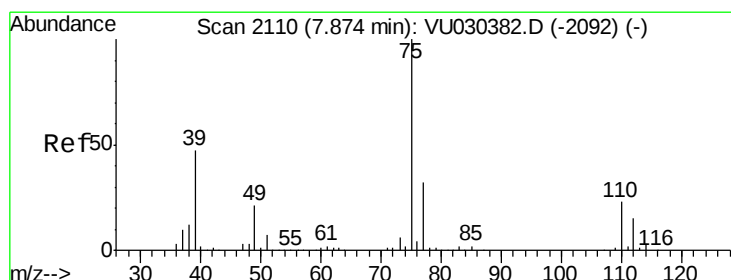
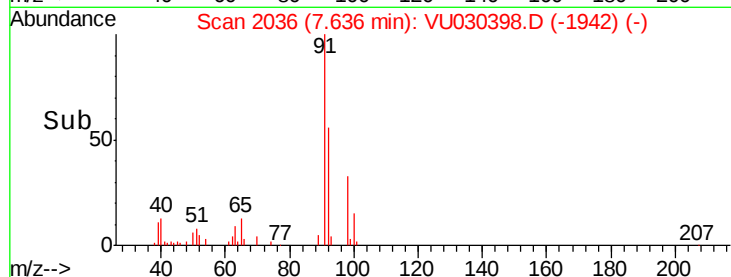
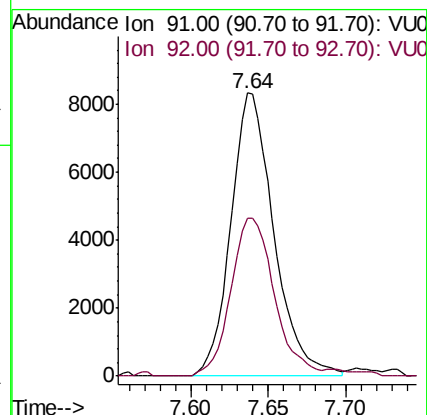
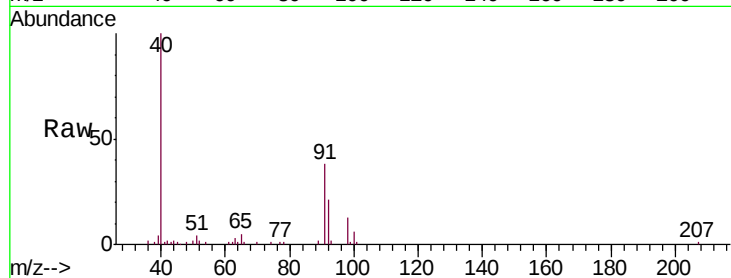
C09D8

Tgt Ion: 91 Resp: 16073

Ion Ratio Lower Upper

91 100

92 56.0 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 0.639 ug/L

RT: 7.85 min Scan# 2101

Delta R.T. -0.03 min

Lab File: VU030398.D

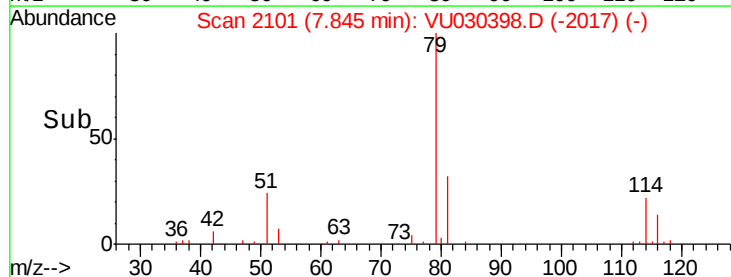
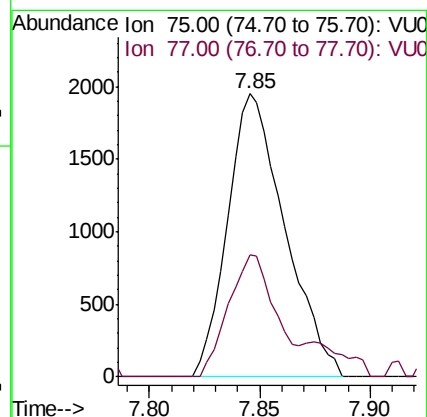
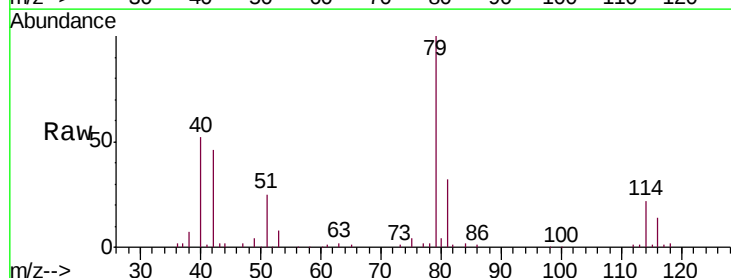
Acq: 25 Mar 2019 04:48

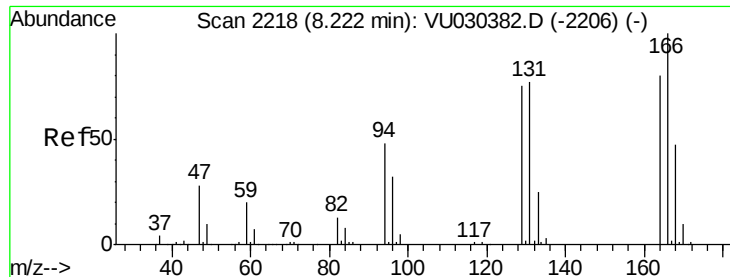
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Ion Ratio Lower Upper

75 100

77 43.2 22.0 40.8#

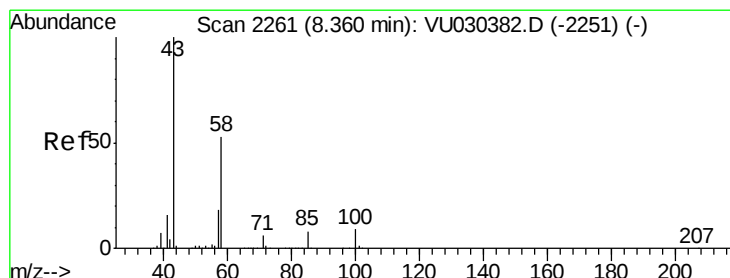
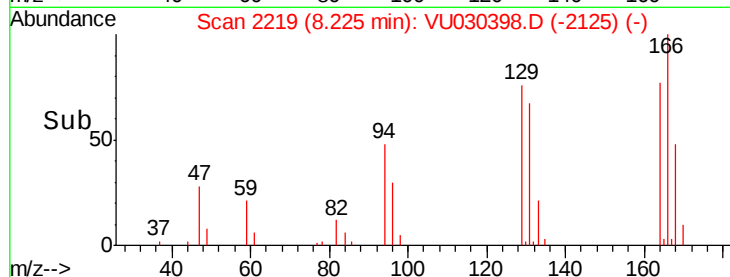
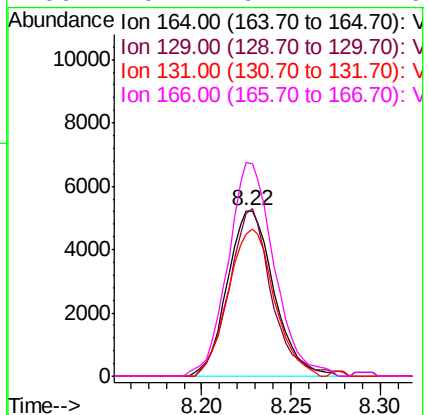
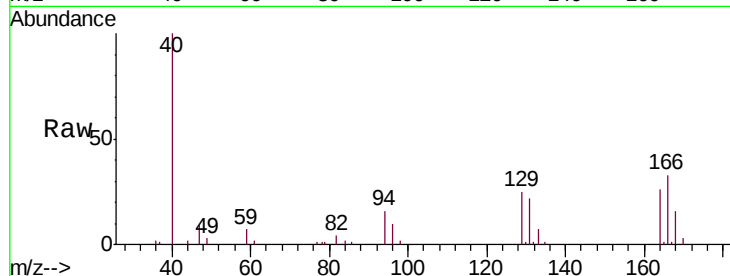




#46
Tetrachloroethene
Concen: 3.607 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030398.D
Acq: 25 Mar 2019 04:48

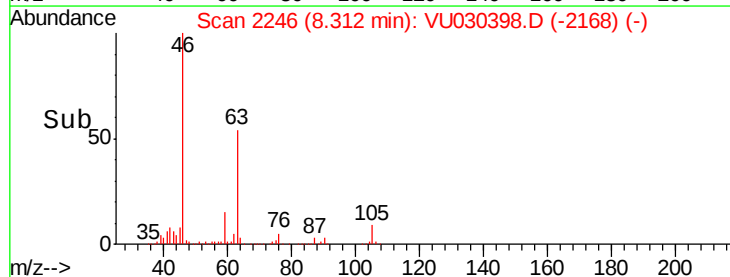
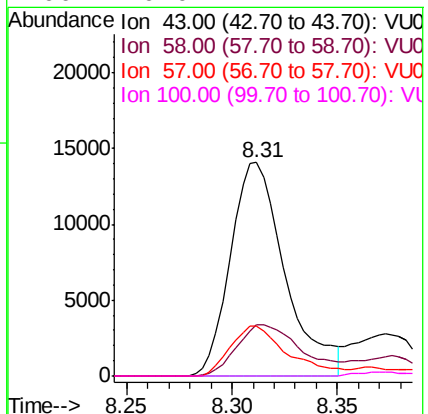
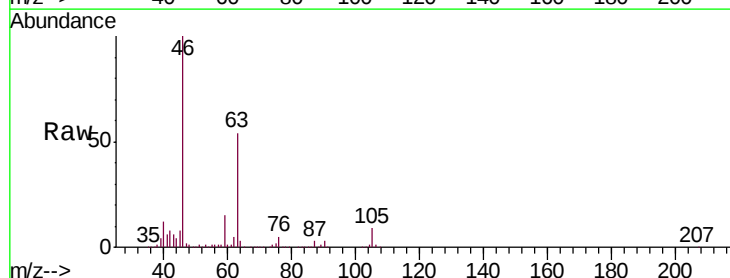
Instrument :
MSVOA_U
ClientSampleId :
C09D8

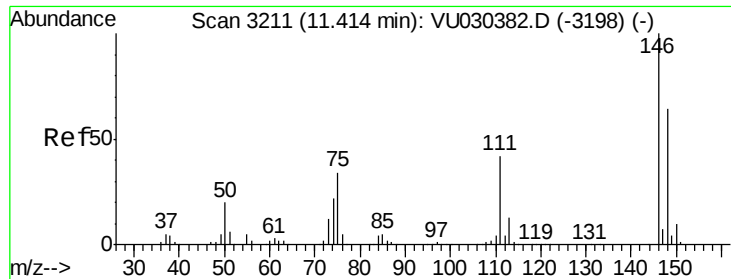
Tgt Ion: 164 Resp: 9491
Ion Ratio Lower Upper
164 100
129 98.7 68.1 126.5
131 86.2 67.7 125.7
166 129.2 92.4 171.6



#48
2-Hexanone
Concen: 4.244 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU030398.D
Acq: 25 Mar 2019 04:48

Tgt Ion: 43 Resp: 25409
Ion Ratio Lower Upper
43 100
58 28.4 42.5 63.7#
57 24.9 15.0 22.6#
100 0.0 7.4 11.2#





#62

1,3-Dichlorobenzene

Concen: 493.671 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VU030398.D

Acq: 25 Mar 2019 04:48

Instrument :

MSVOA_U

ClientSampled :

C09D8

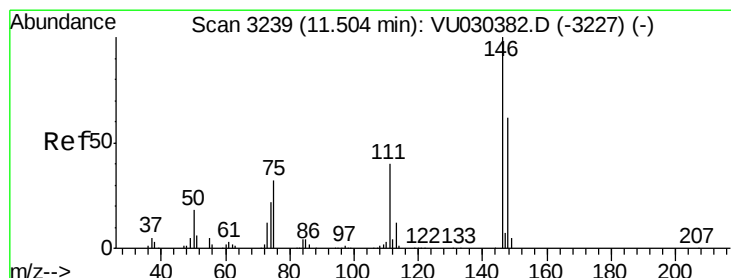
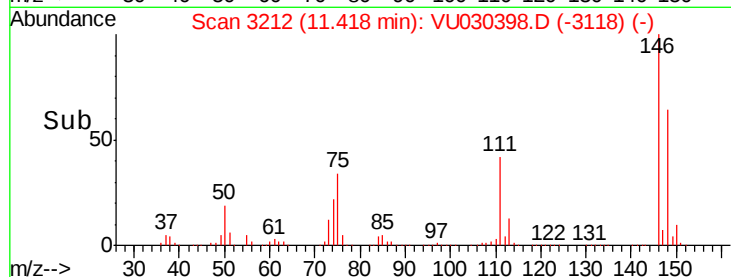
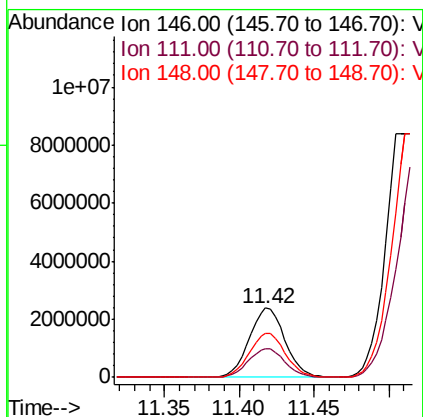
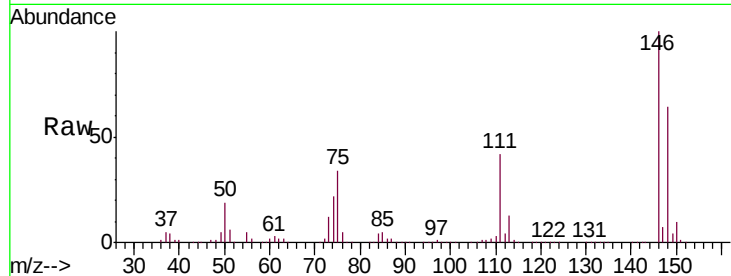
Tgt Ion:146 Resp: 3965879

Ion Ratio Lower Upper

146 100

111 42.0 29.2 54.2

148 64.4 44.4 82.4



#63

1,4-Dichlorobenzene

Concen: 479.537 ug/L

RT: 11.42 min Scan# 3212

Delta R.T. -0.09 min

Lab File: VU030398.D

Acq: 25 Mar 2019 04:48

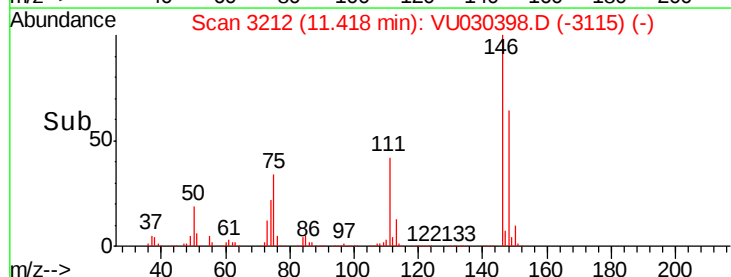
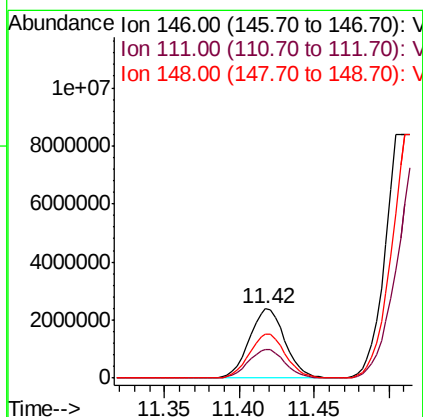
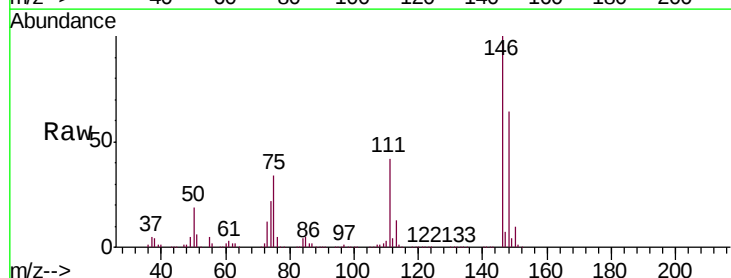
Tgt Ion:146 Resp: 3965879

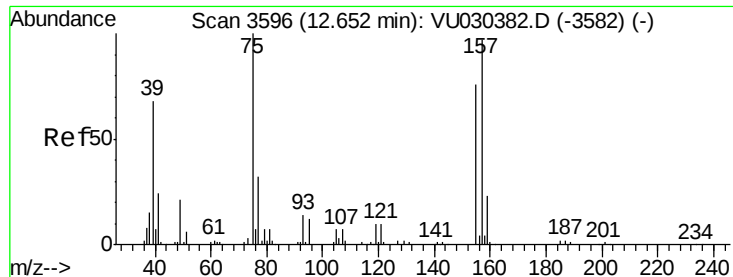
Ion Ratio Lower Upper

146 100

111 42.0 28.7 53.3

148 64.4 44.3 82.3

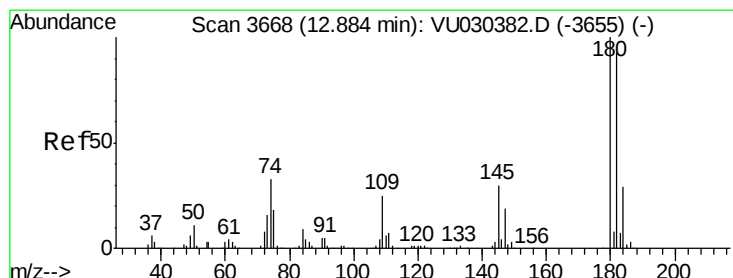
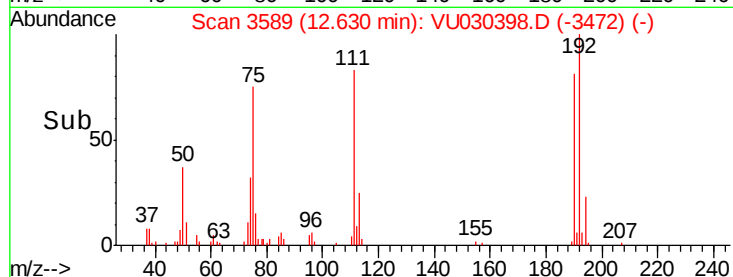
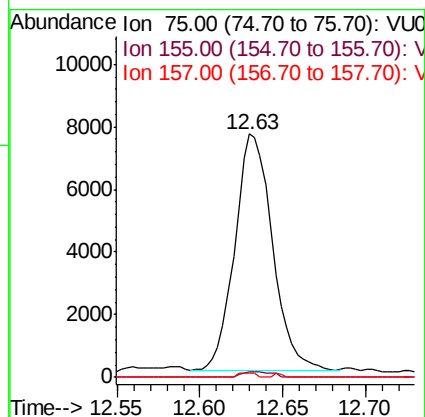
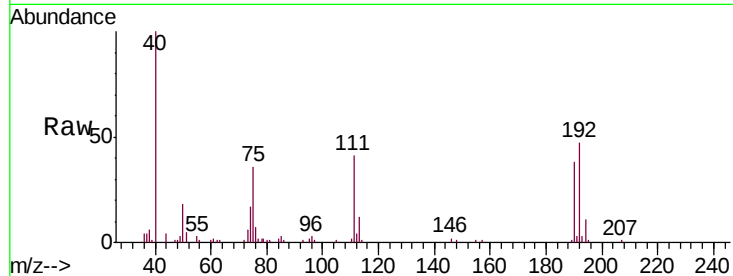




#66
 1,2-Dibromo-3-chloropropane
 Concen: 6.590 ug/L
 RT: 12.63 min Scan# 3589
 Delta R.T. -0.02 min
 Lab File: VU030398.D
 Acq: 25 Mar 2019 04:48

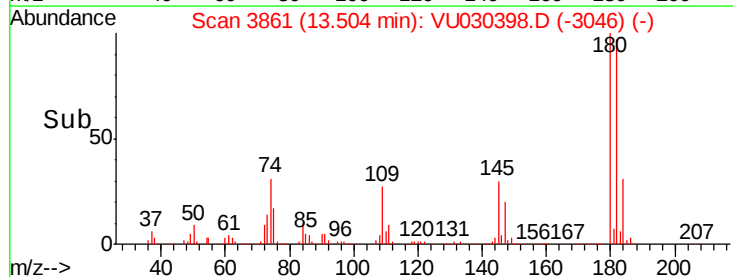
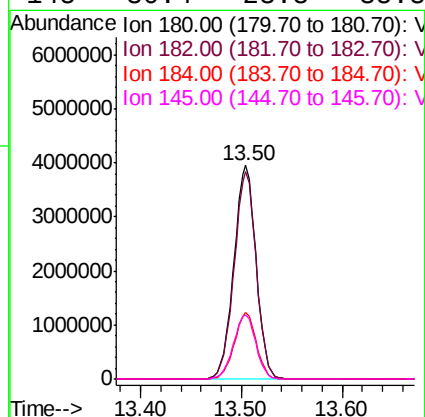
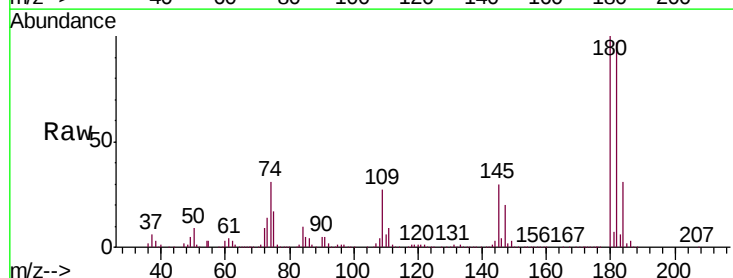
Instrument :
 MSVOA_U
 ClientSampleId :
 C09D8

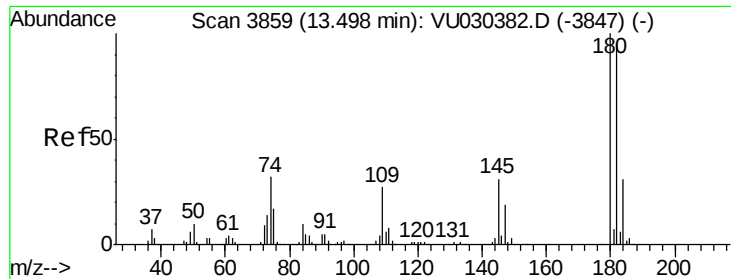
Tgt Ion: 75 Resp: 11919
 Ion Ratio Lower Upper
 75 100
 155 2.2 61.8 92.6#
 157 1.9 80.2 120.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 1008.004 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.62 min
 Lab File: VU030398.D
 Acq: 25 Mar 2019 04:48

Tgt Ion: 180 Resp: 6062185
 Ion Ratio Lower Upper
 180 100
 182 96.5 75.9 113.9
 184 30.8 24.1 36.1
 145 30.4 23.8 35.8

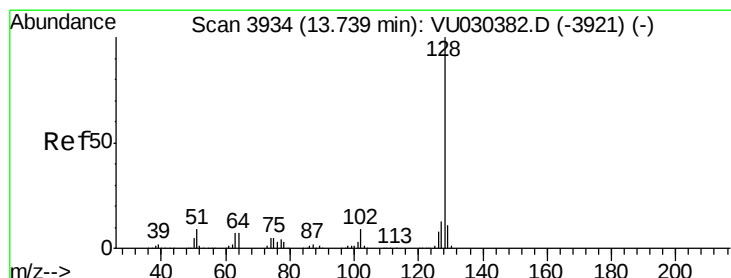
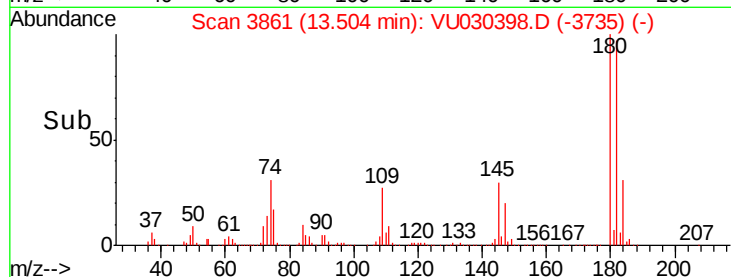
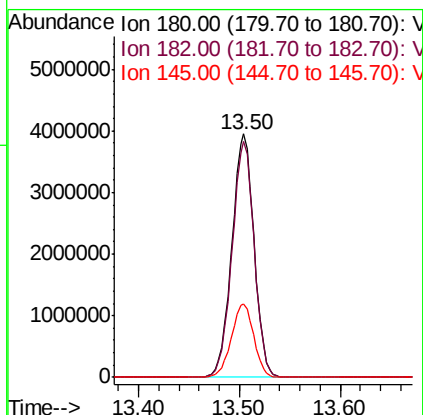
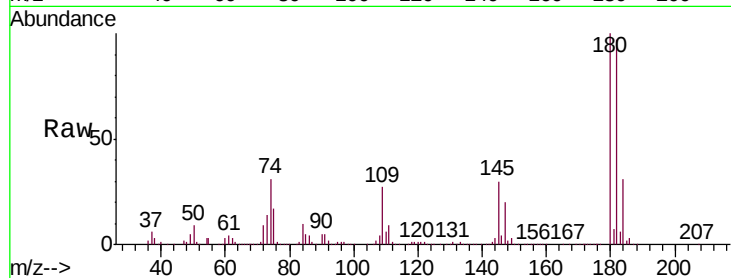




#68
 1,2,4-trichlorobenzene
 Concen: 1160.127 ug/L
 RT: 13.50 min Scan# 3861
 Delta R.T. 0.01 min
 Lab File: VU030398.D
 Acq: 25 Mar 2019 04:48

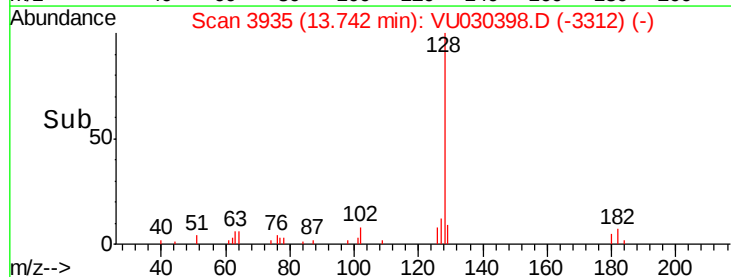
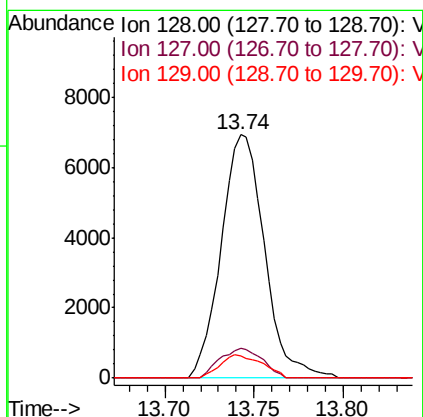
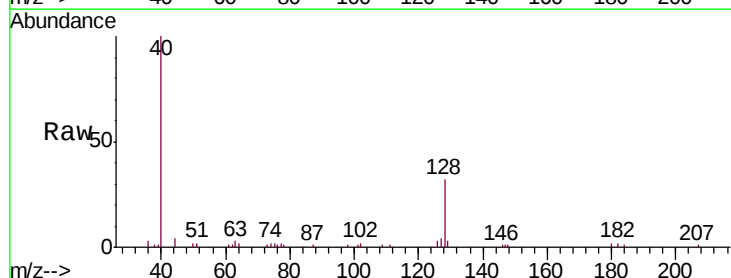
Instrument :
 MSVOA_U
 ClientSampleId :
 C09D8

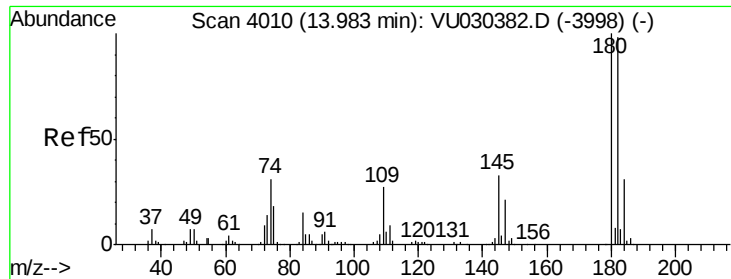
Tgt Ion:180 Resp: 6062185
 Ion Ratio Lower Upper
 180 100
 182 96.5 76.1 114.1
 145 30.4 24.5 36.7



#69
 Naphthalene
 Concen: 0.630 ug/L
 RT: 13.74 min Scan# 3935
 Delta R.T. 0.00 min
 Lab File: VU030398.D
 Acq: 25 Mar 2019 04:48

Tgt Ion:128 Resp: 11713
 Ion Ratio Lower Upper
 128 100
 127 12.0 10.4 15.6
 129 9.2 8.4 12.6

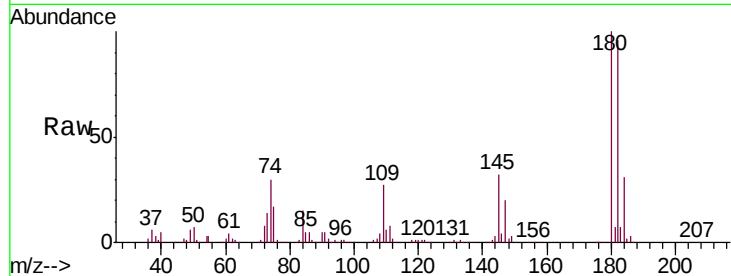




#70
 1,2,3-Trichlorobenzene
 Concen: 124.207 ug/L
 RT: 13.98 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: VU030398.D
 Acq: 25 Mar 2019 04:48

Instrument :
 MSVOA_U
 ClientSampleId :
 C09D8

Tgt Ion	Resp	Lower	Upper
180	685352		
182	96.4	77.4	116.2
145	32.6	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

