

Data File : VU030393.D
Acq On : 25 Mar 2019 02:50
Operator : JC/SP
Sample : K2070-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C09C9

Quant Time: Mar 25 05:53:50 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	424550	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.17	117	465021	50.00	ug/L	0.08
60) 1,4-Dichlorobenzene-d4	11.50	152	243228	50.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	125200	36.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.28%
7) Chloroethane-d5	1.68	69	110245	40.71	ug/L	0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.42%
11) 1,1-Dichloroethene-d2	2.27	63	195405	30.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.30%
21) 2-Butanone-d5	4.17	46	290667	90.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.50%
24) Chloroform-d	4.64	84	260542	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.52%
26) 1,2-Dichloroethane-d4	5.31	65	177977	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
32) Benzene-d6	5.34	84	525616	39.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.82%
36) 1,2-Dichloropropane-d6	6.33	67	188607	41.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.68%
41) Toluene-d8	7.57	98	476506	39.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.58%#
43) trans-1,3-Dichloropropene-	7.85	79	83543	38.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.88%
47) 2-Hexanone-d5	8.32	63	213197	86.23	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.23%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	293521	44.96	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.92%
64) 1,2-Dichlorobenzene-d4	11.93	152	294678	60.47	ug/L	0.07
Spiked Amount	50.000	Range	80 - 120	Recovery	=	120.94%#

Target Compounds

						Qvalue
8) Chloroethane	1.50	64	13470	4.803	ug/L #	50
13) Acetone	2.32	43	13051	4.018	ug/L	99
25) Chloroform	4.67	83	4758	0.765	ug/L	98
27) 1,2-Dichloroethane	5.39	62	57935	11.877	ug/L #	75
29) Cyclohexane	4.99	56	28819	4.095	ug/L	97
31) Carbon tetrachloride	5.13	117	48408	10.030	ug/L	96
33) Benzene	5.39	78	6958233	439.566	ug/L	100
35) Methylcyclohexane	6.41	83	19045	2.974	ug/L #	82
39) cis-1,3-Dichloropropene	7.22	75	4699	0.728	ug/L #	62
42) Toluene	7.64	91	38247	2.328	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3255	0.573	ug/L	100
46) Tetrachloroethene	8.23	164	3674	1.352	ug/L	86
48) 2-Hexanone	8.32	43	30017	4.854	ug/L #	69
49) Dibromochloromethane	8.23	129	3761	0.954	ug/L #	11
53) m,p-Xylene	9.40	106	3209	0.499	ug/L	73
62) 1,3-Dichlorobenzene	11.43	146	13420920	1687.272	ug/L	99
63) 1,4-Dichlorobenzene	11.43	146	13420920	1638.965	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

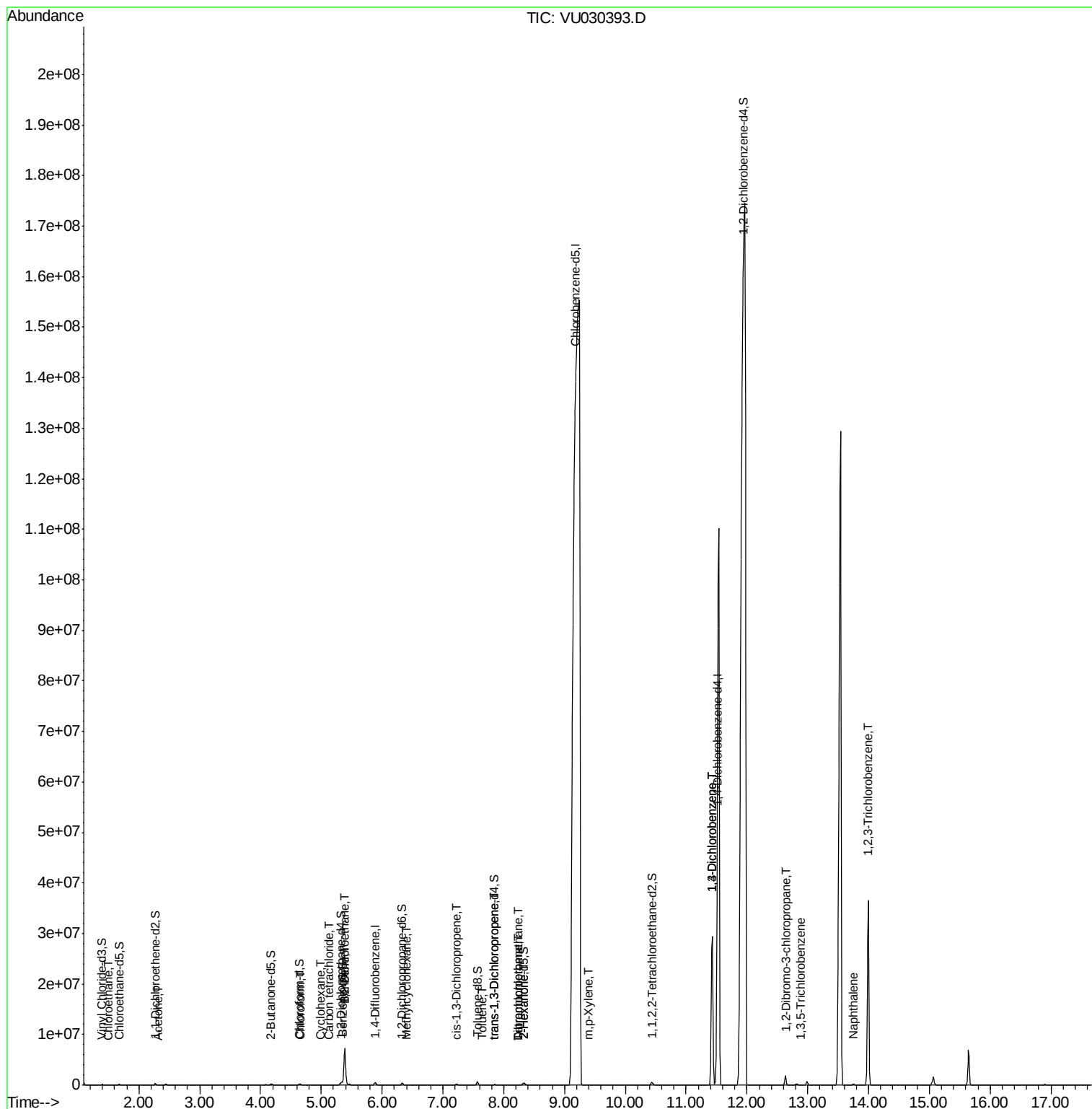
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.63	75	314134	175.408	ug/L #	7
67) 1,3,5-Trichlorobenzene	12.89	180	18503	3.107	ug/L	97
69) Naphthalene	13.75	128	159320	8.660	ug/L	99
70) 1,2,3-Trichlorobenzene	14.00	180	10816665	1979.837	ug/L	99

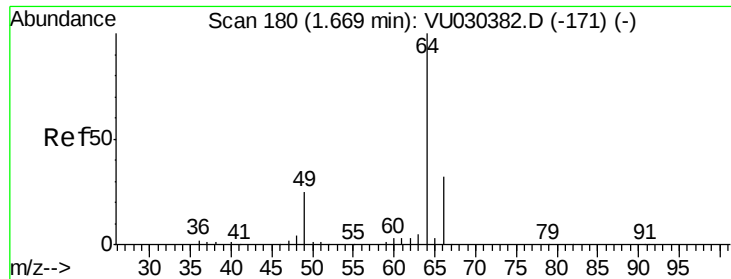
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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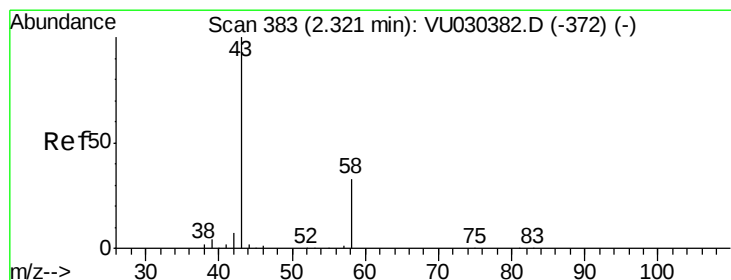
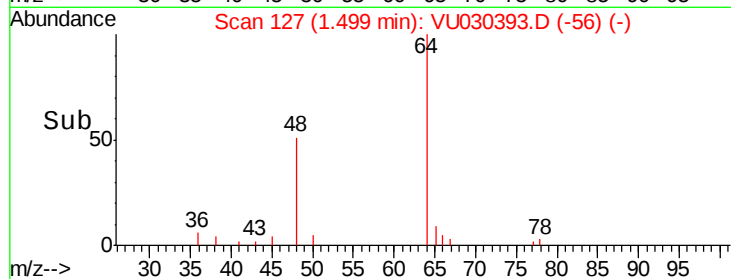
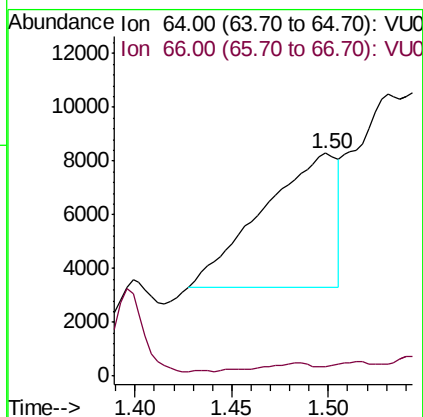
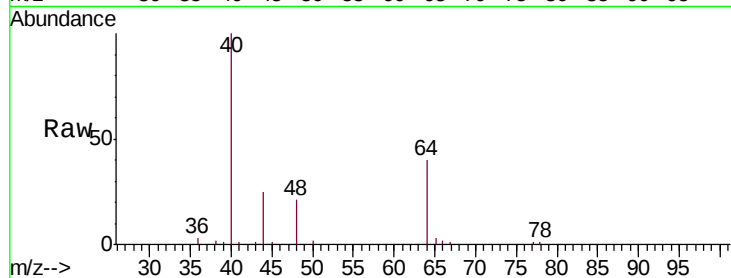




#8
Chloroethane
Concen: 4.803 ug/L
RT: 1.50 min Scan# 127
Delta R.T. -0.17 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

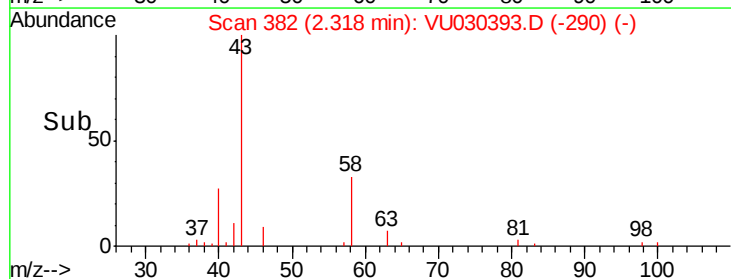
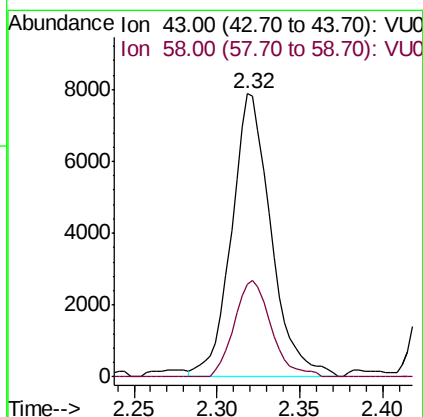
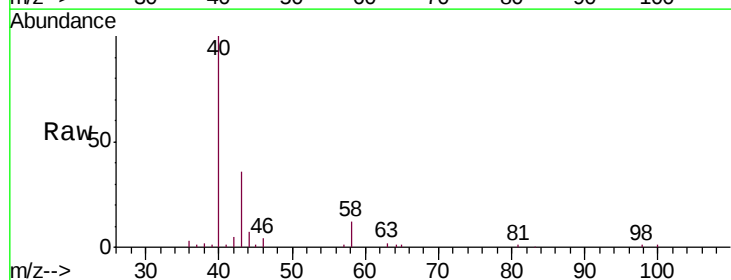
Instrument :
MSVOA_U
ClientSampleId :
C09C9

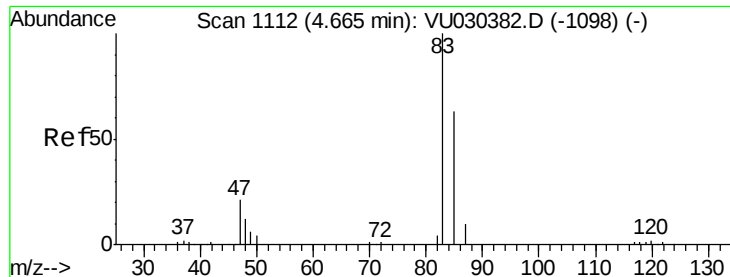
Tgt Ion: 64 Resp: 13470
Ion Ratio Lower Upper
64 100
66 4.3 22.5 41.7#



#13
Acetone
Concen: 4.018 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

Tgt Ion: 43 Resp: 13051
Ion Ratio Lower Upper
43 100
58 32.0 0.0 62.8

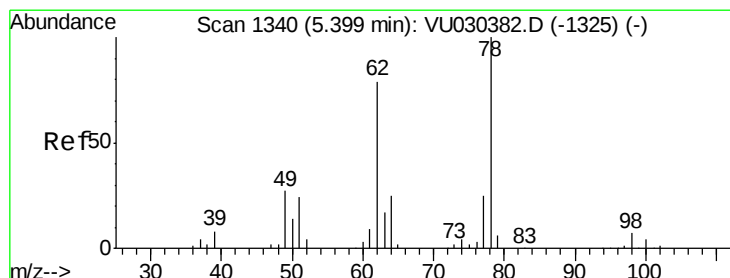
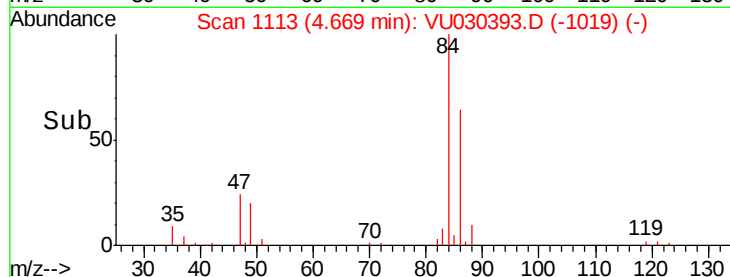
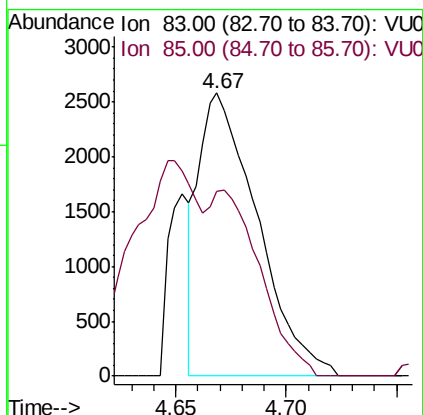
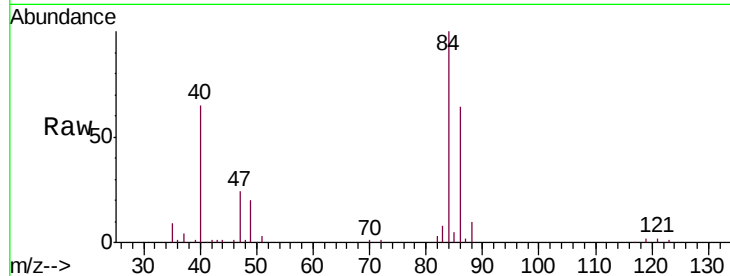




#25
Chloroform
Concen: 0.765 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

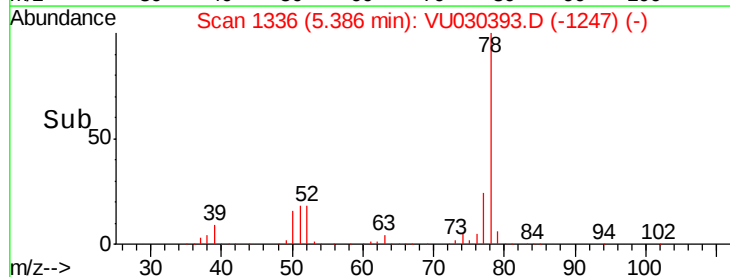
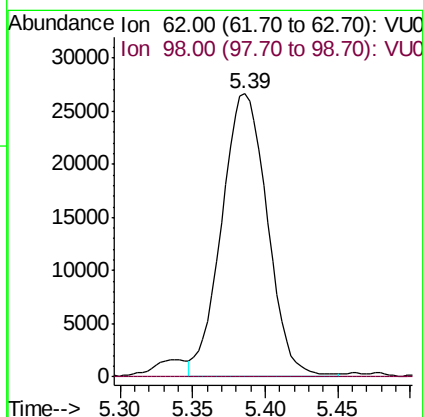
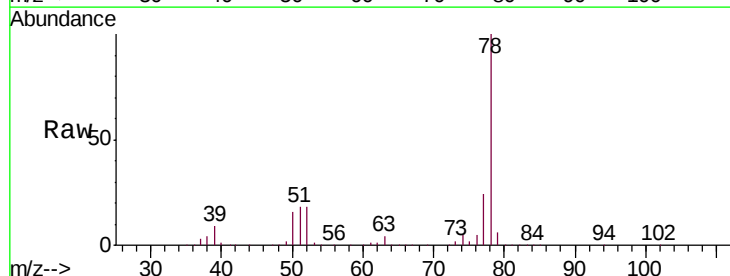
Instrument :
MSVOA_U
ClientSampled :
C09C9

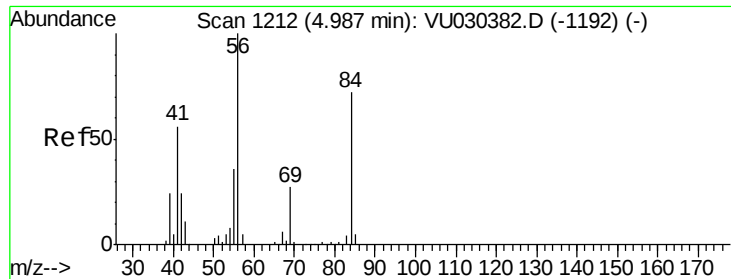
Tgt Ion: 83 Resp: 4758
Ion Ratio Lower Upper
83 100
85 65.1 44.4 82.4



#27
1,2-Dichloroethane
Concen: 11.877 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. -0.01 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

Tgt Ion: 62 Resp: 57935
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#

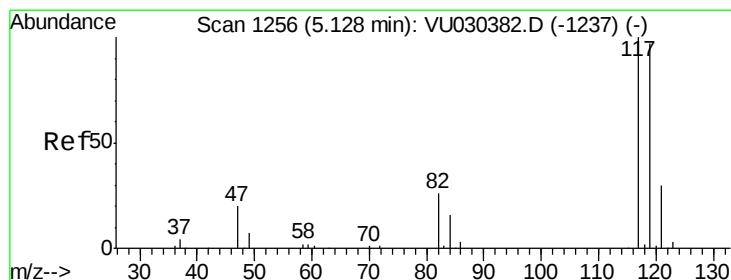
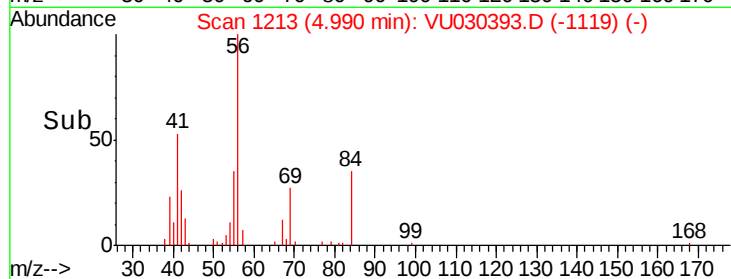
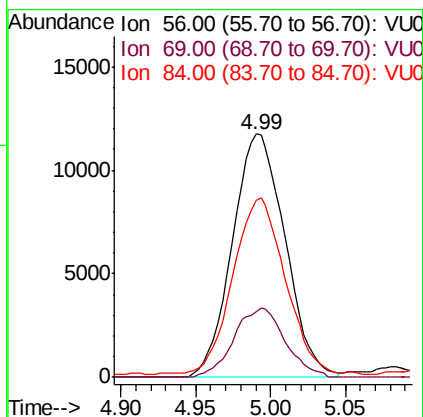
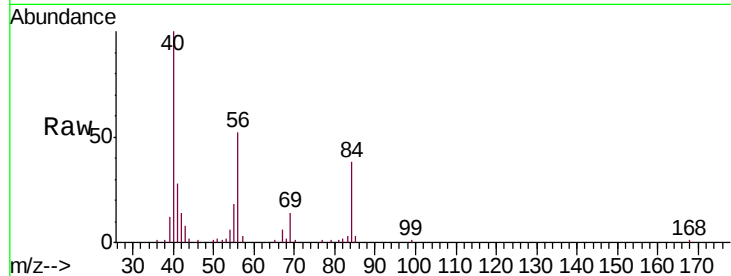




#29
Cyclohexane
Concen: 4.095 ug/L
RT: 4.99 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

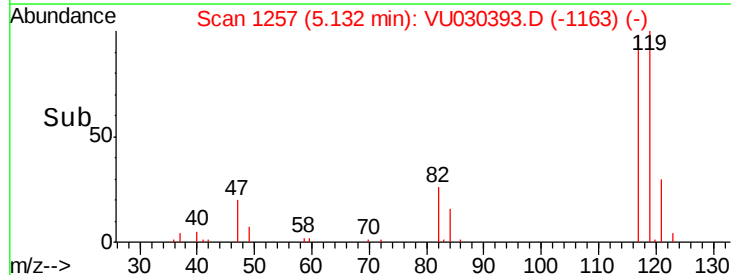
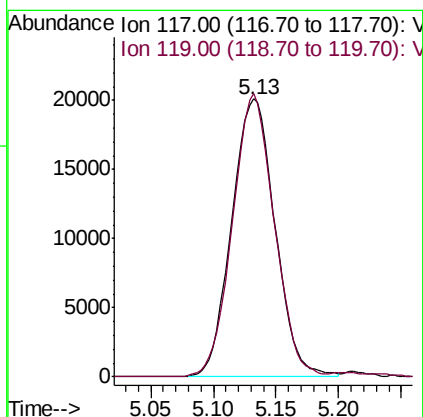
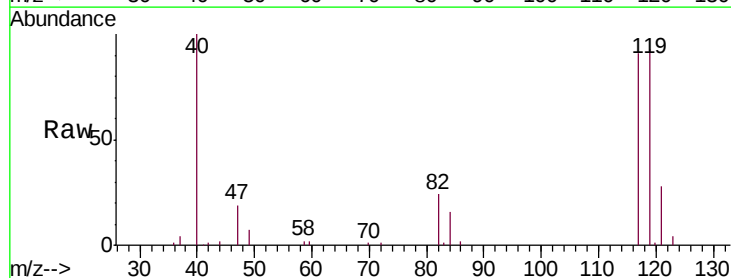
Instrument :
MSVOA_U
ClientSampled :
C09C9

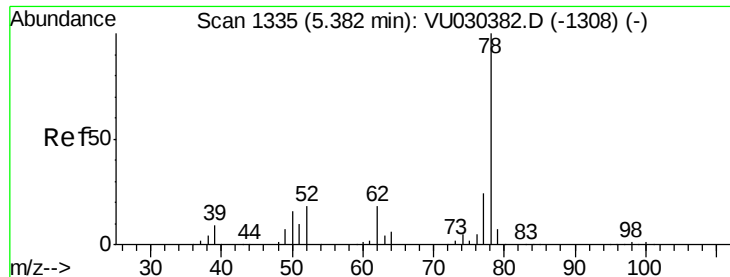
Tgt Ion: 56 Resp: 28819
Ion Ratio Lower Upper
56 100
69 27.6 22.9 34.3
84 70.3 58.9 88.3



#31
Carbon tetrachloride
Concen: 10.030 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

Tgt Ion: 117 Resp: 48408
Ion Ratio Lower Upper
117 100
119 97.9 75.4 113.2





#33

Benzene

Concen: 439.566 ug/L

RT: 5.39 min Scan# 1336

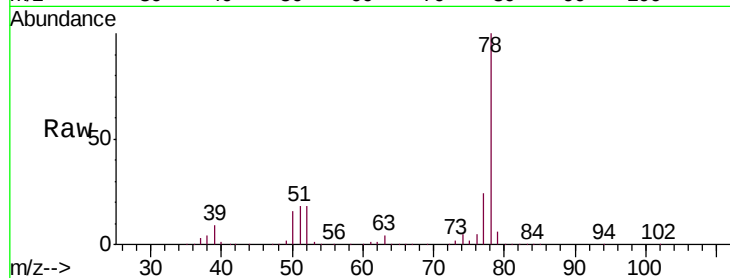
Delta R.T. 0.00 min

Lab File: VU030393.D

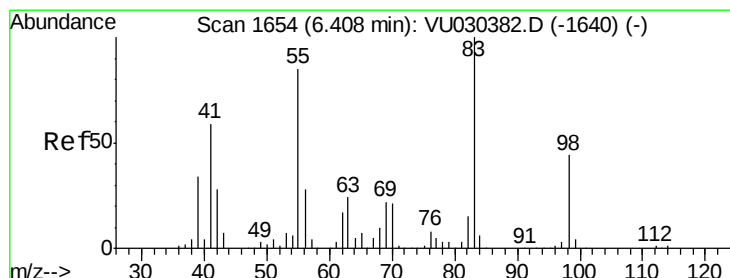
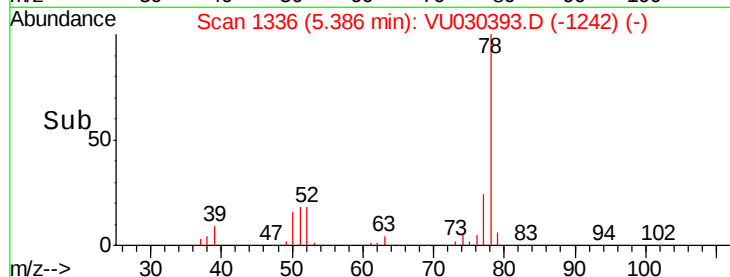
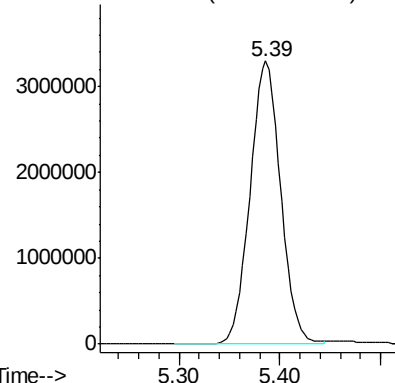
Acq: 25 Mar 2019 02:50

Instrument :
MSVOA_U
ClientSampled :
C09C9

Tgt Ion: 78 Resp: 6958233



Abundance Ion 78.00 (77.70 to 78.70): VU0



#35

Methylcyclohexane

Concen: 2.974 ug/L

RT: 6.41 min Scan# 1656

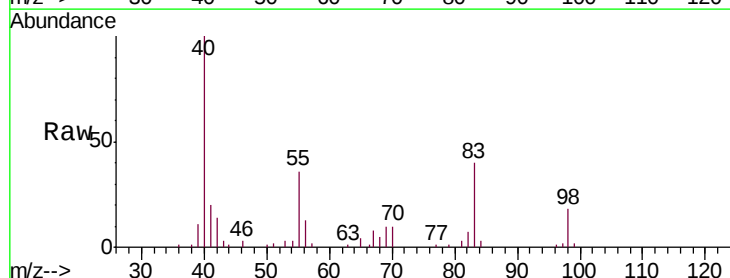
Delta R.T. 0.01 min

Lab File: VU030393.D

Acq: 25 Mar 2019 02:50

Tgt Ion: 83 Resp: 19045

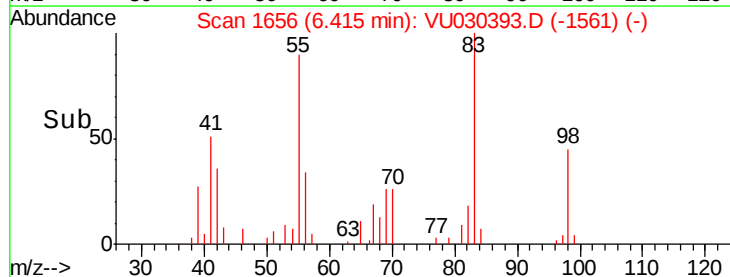
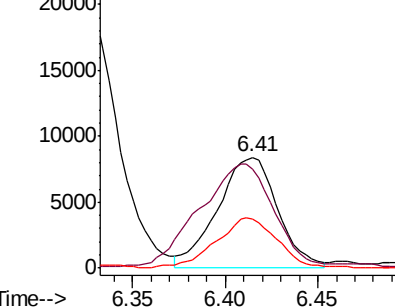
Ion	Ratio	Lower	Upper
83	100		
55	113.7	71.4	107.0#
98	45.9	36.0	54.0

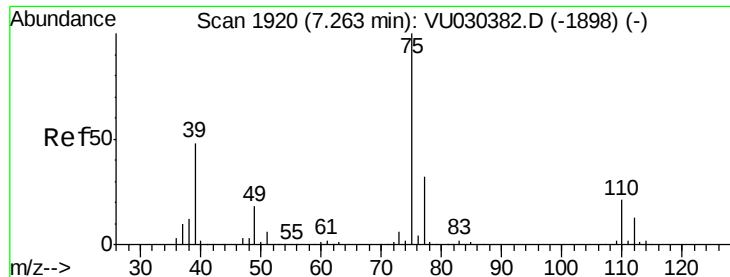


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

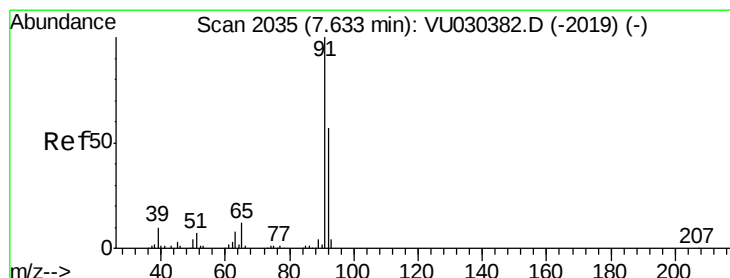
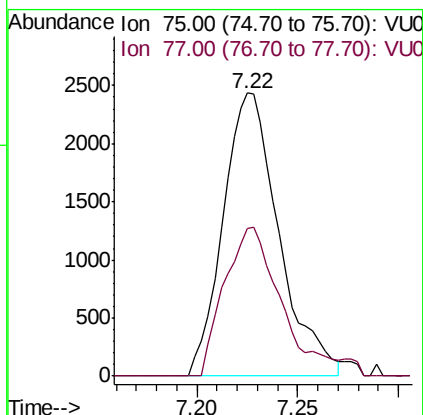
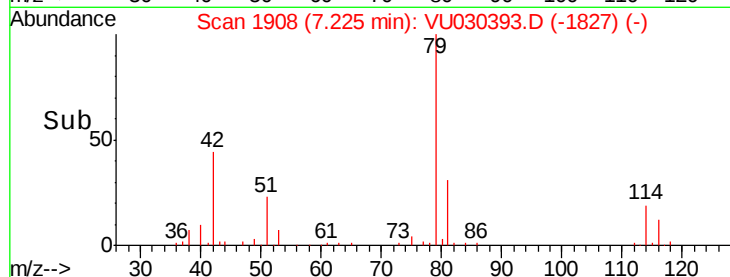
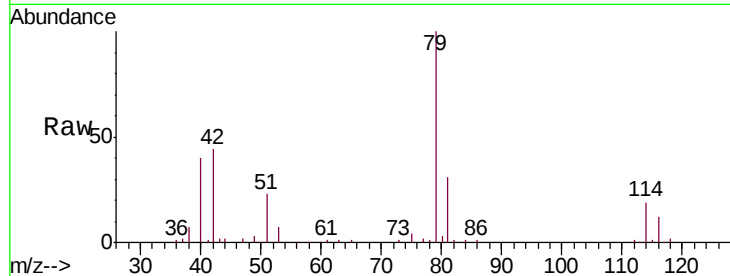




#39
 cis-1,3-Dichloropropene
 Concen: 0.728 ug/L
 RT: 7.22 min Scan# 1908
 Delta R.T. -0.04 min
 Lab File: VU030393.D
 Acq: 25 Mar 2019 02:50

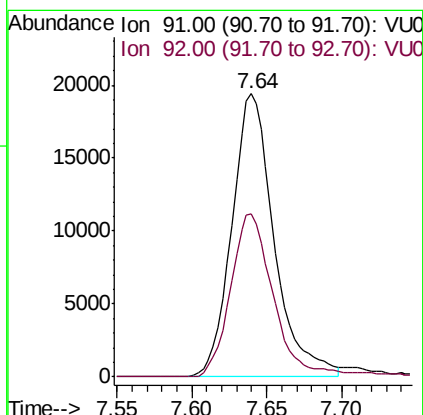
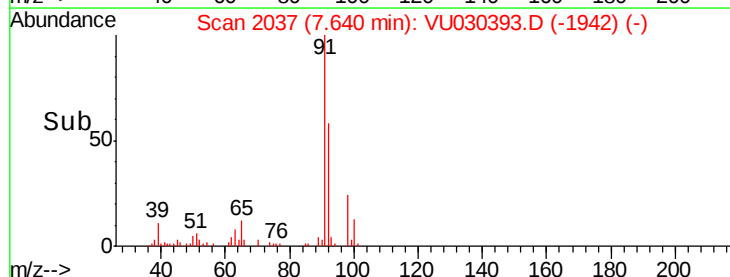
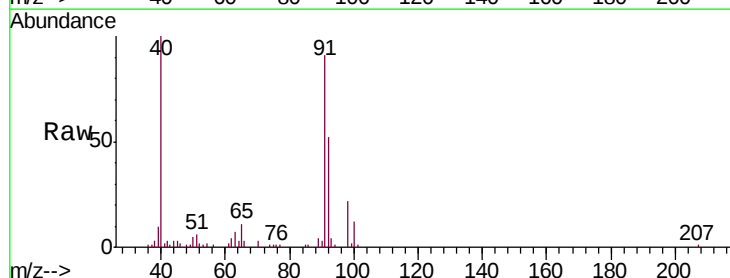
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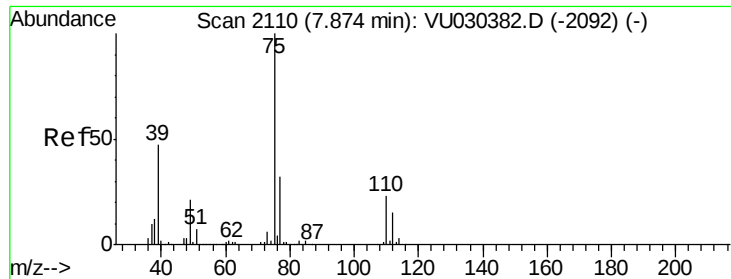
Tgt Ion: 75 Resp: 4699
 Ion Ratio Lower Upper
 75 100
 77 52.4 21.8 40.6#



#42
 Toluene
 Concen: 2.328 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU030393.D
 Acq: 25 Mar 2019 02:50

Tgt Ion: 91 Resp: 38247
 Ion Ratio Lower Upper
 91 100
 92 57.7 39.7 73.7

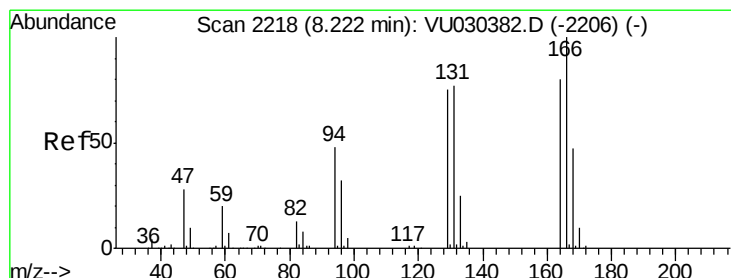
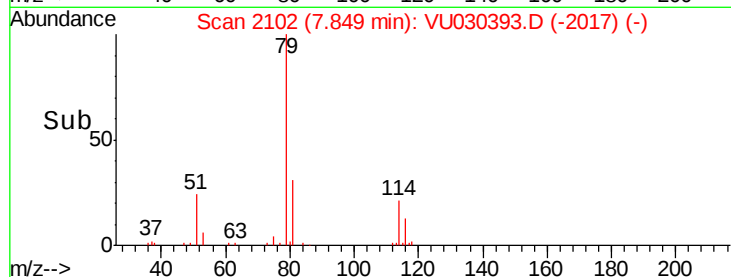
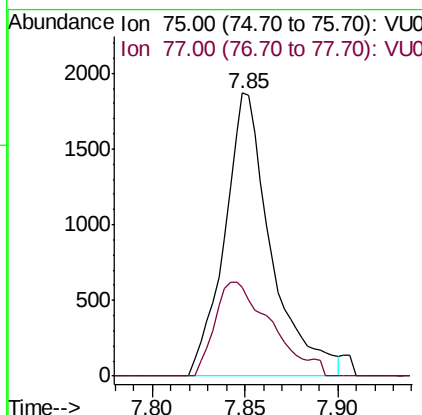
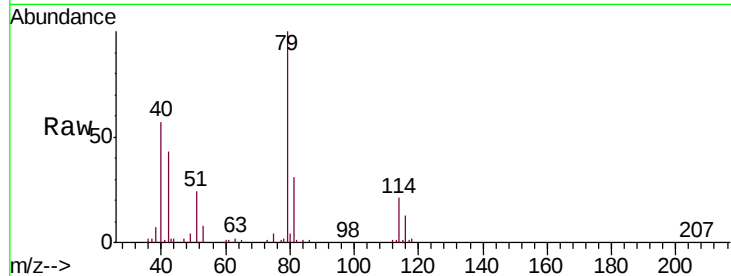




#44
trans-1,3-Dichloropropene
Concen: 0.573 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

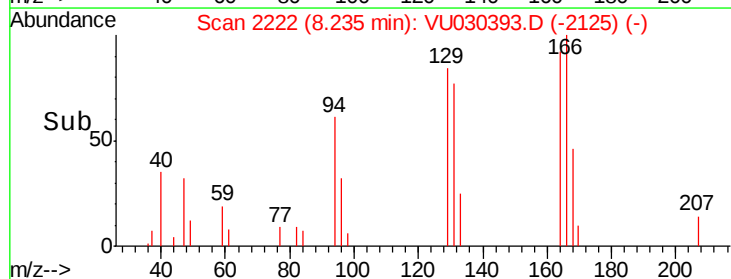
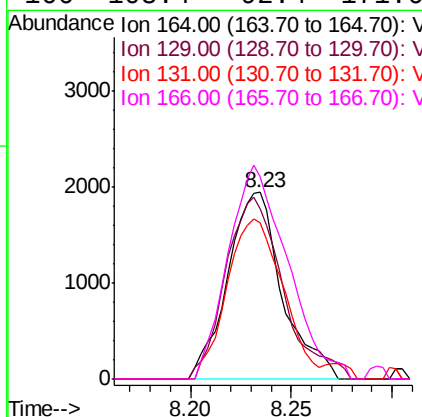
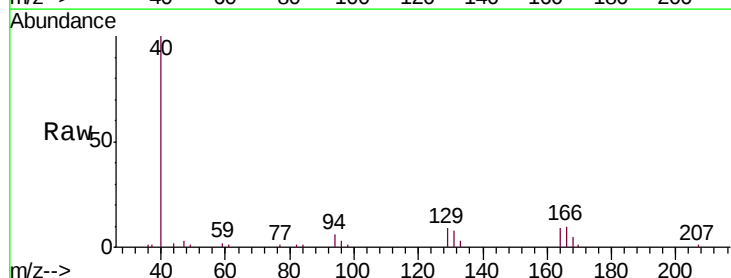
Instrument :
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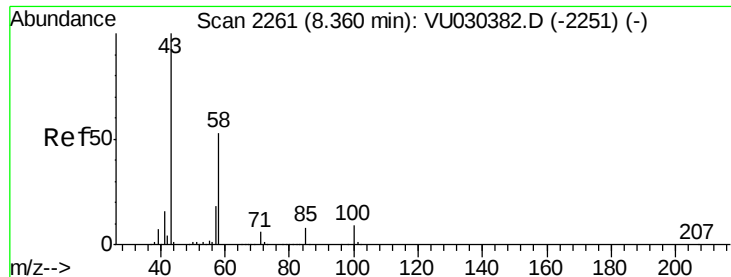
Tgt Ion: 75 Resp: 3255
Ion Ratio Lower Upper
75 100
77 31.2 22.0 40.8



#46
Tetrachloroethene
Concen: 1.352 ug/L
RT: 8.23 min Scan# 2222
Delta R.T. 0.01 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

Tgt Ion: 164 Resp: 3674
Ion Ratio Lower Upper
164 100
129 91.2 68.1 126.5
131 83.9 67.7 125.7
166 108.4 92.4 171.6

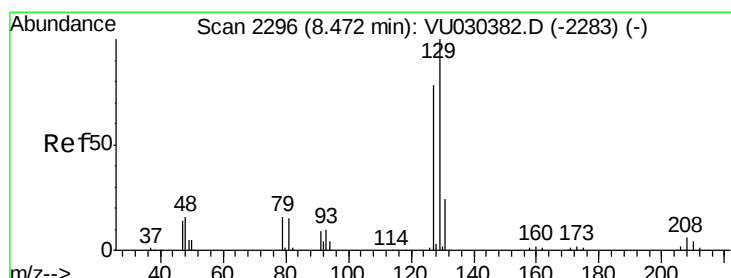
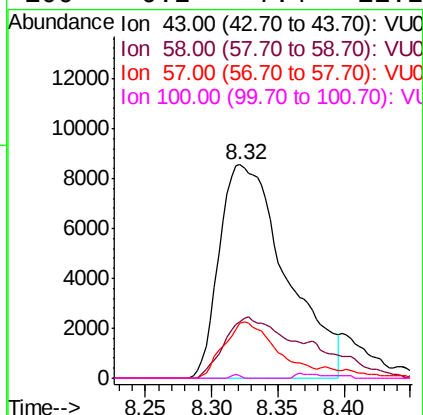
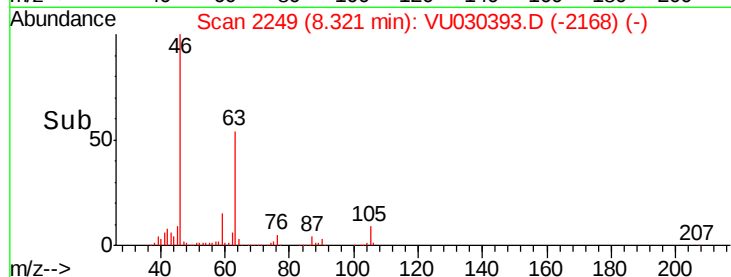
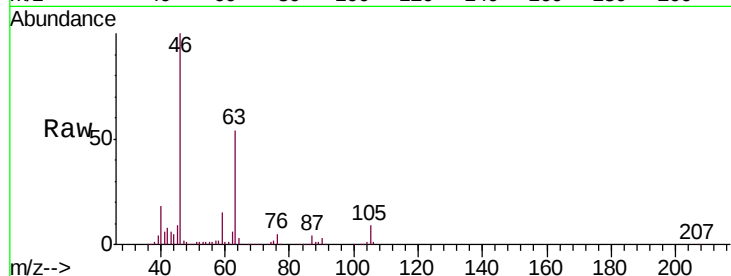




#48
2-Hexanone
Concen: 4.854 ug/L
RT: 8.32 min Scan# 2249
Delta R.T. -0.04 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

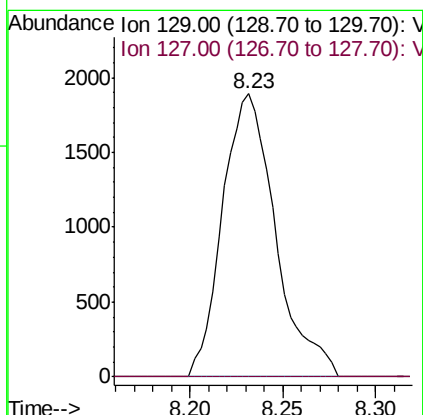
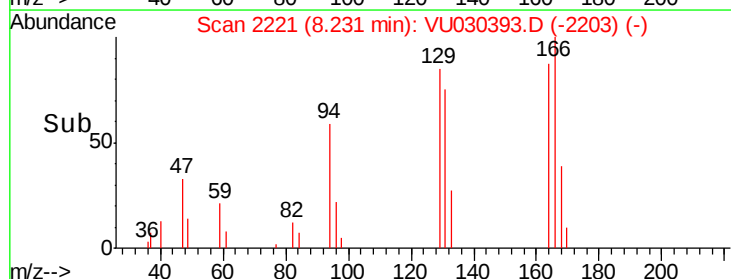
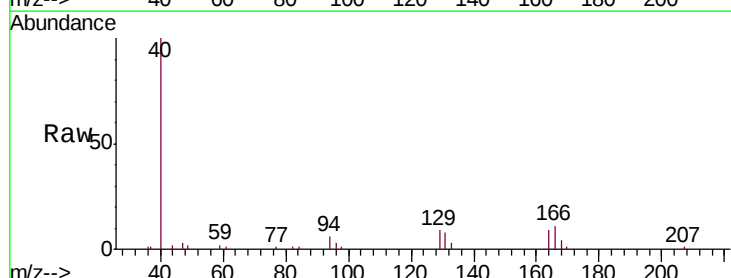
Instrument :
MSVOA_U
ClientSampleId :
C09C9

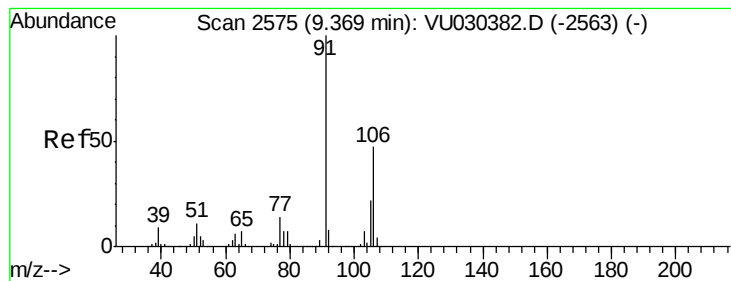
Tgt Ion: 43 Resp: 30017
Ion Ratio Lower Upper
43 100
58 23.2 42.5 63.7#
57 20.9 15.0 22.6
100 0.2 7.4 11.2#



#49
Dibromochloromethane
Concen: 0.954 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. -0.24 min
Lab File: VU030393.D
Acq: 25 Mar 2019 02:50

Tgt Ion: 129 Resp: 3761
Ion Ratio Lower Upper
129 100
127 0.0 53.2 98.8#





#53

m,p-Xylene

Concen: 0.499 ug/L

RT: 9.40 min Scan# 2583

Delta R.T. 0.03 min

Lab File: VU030393.D

Acq: 25 Mar 2019 02:50

Instrument :

MSVOA_U

ClientSampleId :

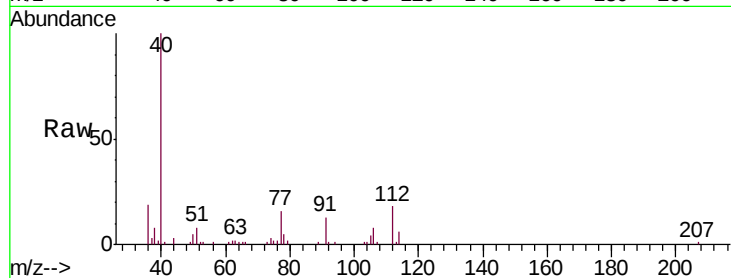
C09C9

Tgt Ion:106 Resp: 3209

Ion Ratio Lower Upper

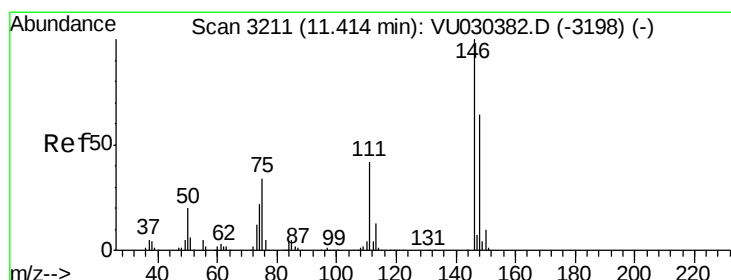
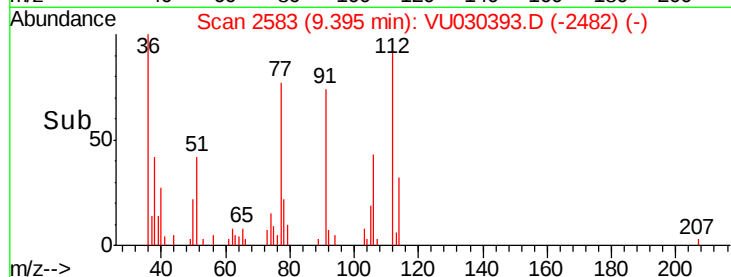
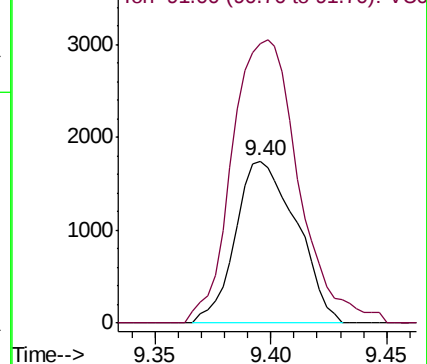
106 100

91 172.3 151.2 280.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#62

1,3-Dichlorobenzene

Concen: 1687.272 ug/L

RT: 11.43 min Scan# 3215

Delta R.T. 0.01 min

Lab File: VU030393.D

Acq: 25 Mar 2019 02:50

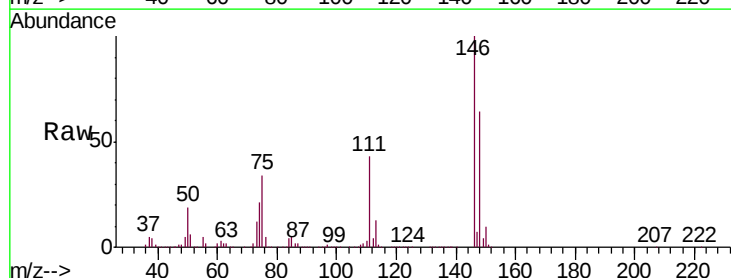
Tgt Ion:146 Resp:13420920

Ion Ratio Lower Upper

146 100

111 42.7 29.2 54.2

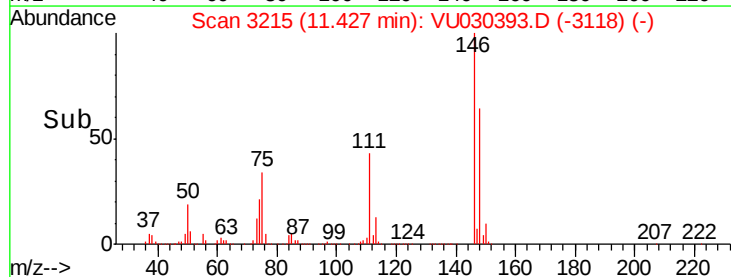
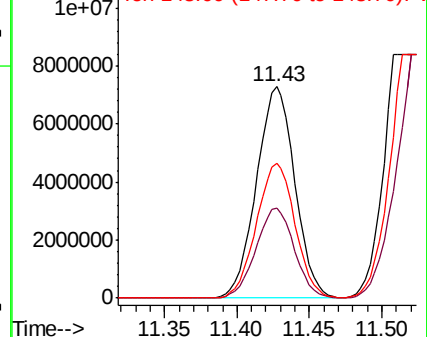
148 63.9 44.4 82.4

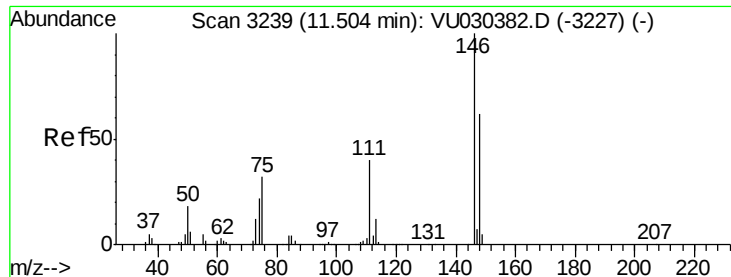


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

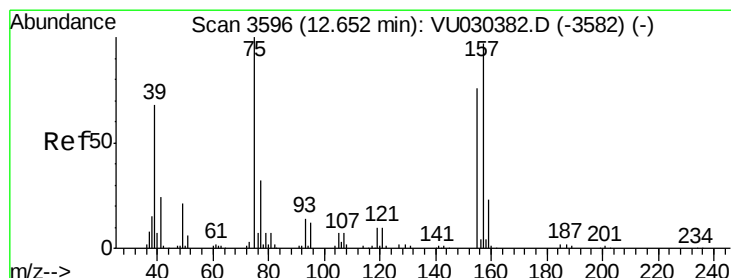
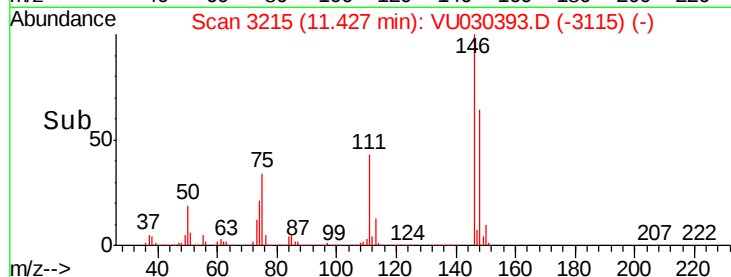
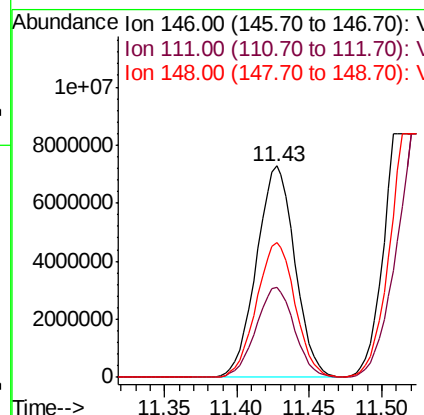
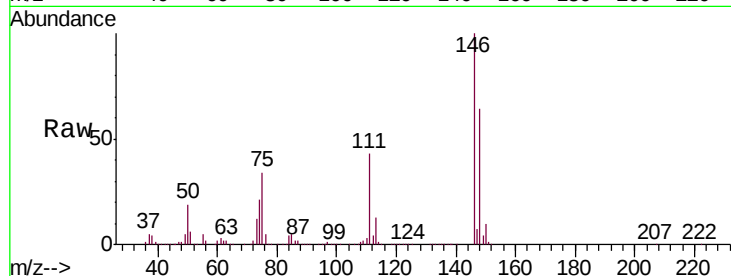




#63
 1,4-Dichlorobenzene
 Concen: 1638.965 ug/L
 RT: 11.43 min Scan# 3215
 Delta R.T. -0.08 min
 Lab File: VU030393.D
 Acq: 25 Mar 2019 02:50

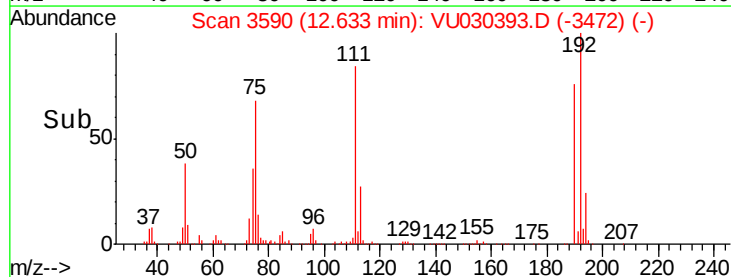
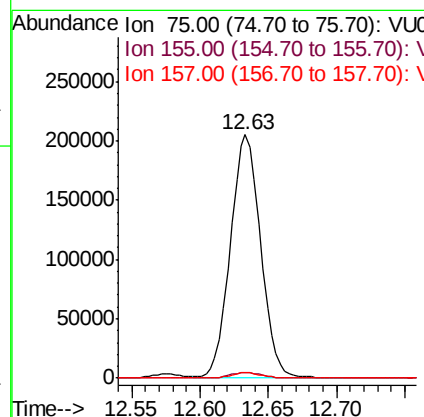
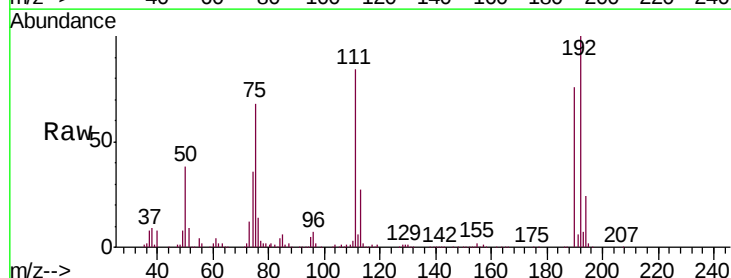
Instrument :
 MSVOA_U
 ClientSampleId :
 C09C9

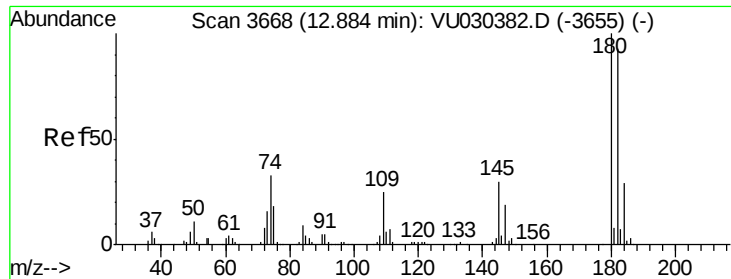
Tgt Ion:146 Resp:13420920
 Ion Ratio Lower Upper
 146 100
 111 42.7 28.7 53.3
 148 63.9 44.3 82.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 175.408 ug/L
 RT: 12.63 min Scan# 3590
 Delta R.T. -0.02 min
 Lab File: VU030393.D
 Acq: 25 Mar 2019 02:50

Tgt Ion: 75 Resp: 314134
 Ion Ratio Lower Upper
 75 100
 155 2.5 61.8 92.6#
 157 2.1 80.2 120.4#

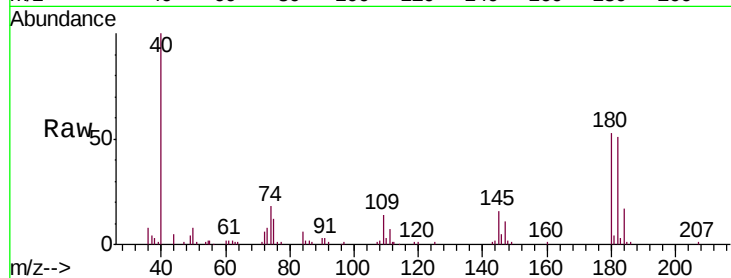




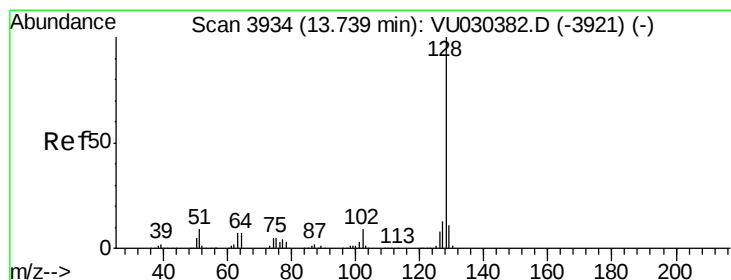
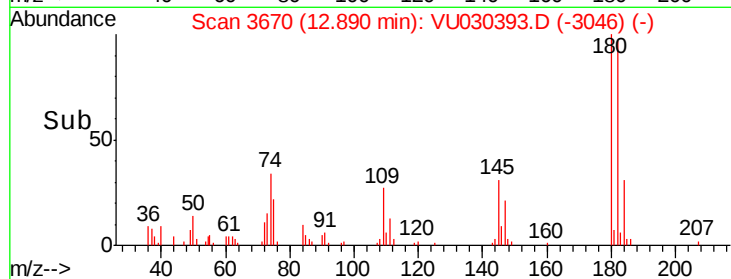
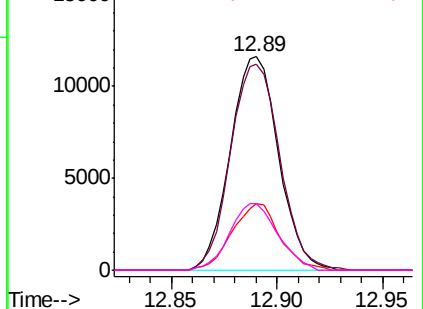
#67
 1,3,5-Trichlorobenzene
 Concen: 3.107 ug/L
 RT: 12.89 min Scan# 3670
 Delta R.T. 0.01 min
 Lab File: VU030393.D
 Acq: 25 Mar 2019 02:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C9

Tgt Ion:	180	Resp:	18503
Ion	Ratio	Lower	Upper
180	100		
182	98.7	75.9	113.9
184	30.8	24.1	36.1
145	31.1	23.8	35.8

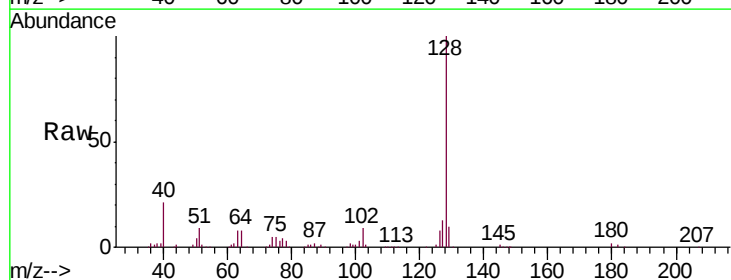


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

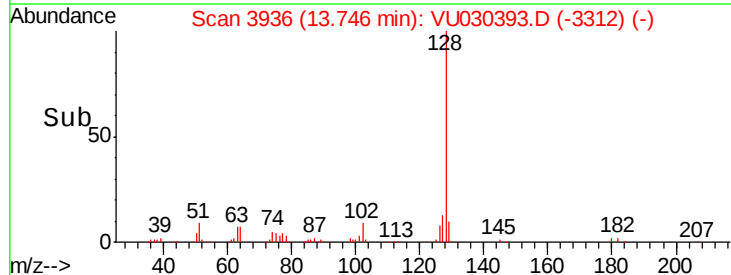
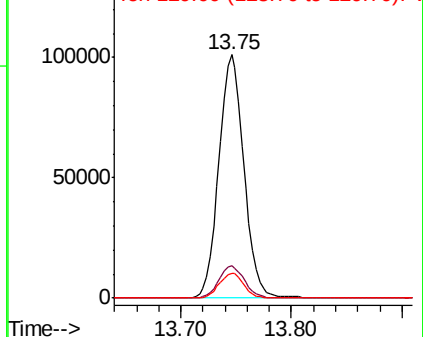


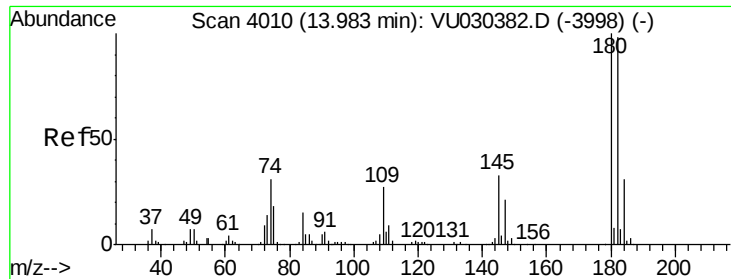
#69
 Naphthalene
 Concen: 8.660 ug/L
 RT: 13.75 min Scan# 3936
 Delta R.T. 0.01 min
 Lab File: VU030393.D
 Acq: 25 Mar 2019 02:50

Tgt Ion:	128	Resp:	159320
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.1	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

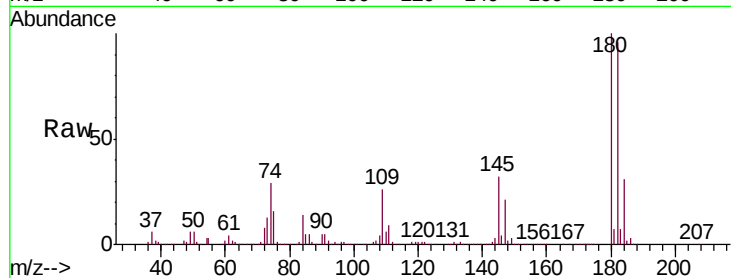




#70
 1,2,3-Trichlorobenzene
 Concen: 1979.837 ug/L
 RT: 14.00 min Scan# 4014
 Delta R.T. 0.01 min
 Lab File: VU030393.D
 Acq: 25 Mar 2019 02:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C09C9

Tgt Ion:180 Resp:10816665
 Ion Ratio Lower Upper
 180 100
 182 95.9 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

