

Data File : VU037064.D
Acq On : 05 Mar 2020 02:02
Operator : JC/MD
Sample : L1780-12
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0DH1

Quant Time: Mar 05 02:59:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	299019	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.48	117	181478	50.00	ug/L	0.05
60) 1,4-Dichlorobenzene-d4	11.87	152	142409	50.00	ug/L	0.04

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90978	36.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.46%
7) Chloroethane-d5	1.92	69	88786	42.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.46%
11) 1,1-Dichloroethene-d2	2.58	63	124596	29.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.26%#
21) 2-Butanone-d5	4.67	46	161962	96.16	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.16%
24) Chloroform-d	5.11	84	211842	55.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.50%
26) 1,2-Dichloroethane-d4	5.75	65	47063	18.14	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	36.28%#
32) Benzene-d6	5.83	84	356343	67.90	ug/L	0.07
Spiked Amount	50.000	Range	70 - 125	Recovery	=	135.80%#
36) 1,2-Dichloropropane-d6	6.73	67	135656	79.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	159.58%#
41) Toluene-d8	7.93	98	363788	74.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	149.44%#
43) trans-1,3-Dichloropropene-	8.21	79	55748	70.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	141.10%#
47) 2-Hexanone-d5	8.68	63	124763	150.07	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	150.07%#
57) 1,1,2,2-Tetrachloroethane-	10.78	84	183064	76.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	152.74%#
64) 1,2-Dichlorobenzene-d4	12.24	152	141500	50.83	ug/L	0.04
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.66%

Target Compounds

					Qvalue
3) Chloromethane	1.53	50	2960	1.014 ug/L	99
13) Acetone	2.66	43	5855	3.379 ug/L	98
14) Carbon disulfide	2.82	76	40295	6.594 ug/L	98
16) Methylene chloride	3.07	84	9353	3.970 ug/L	97
25) Chloroform	5.13	83	893403	229.676 ug/L	99
27) 1,2-Dichloroethane	5.85	62	2706357	854.601 ug/L #	75
29) Cyclohexane	5.43	56	50651	21.032 ug/L	99
34) Trichloroethene	6.58	95	14046	9.968 ug/L	99
35) Methylcyclohexane	6.80	83	16706	6.838 ug/L #	70
39) cis-1,3-Dichloropropene	7.59	75	3651	1.535 ug/L #	60
42) Toluene	8.00	91	35557	5.821 ug/L	95
44) trans-1,3-Dichloropropene	8.21	75	2460	1.193 ug/L #	65
46) Tetrachloroethene	8.58	164	9458	10.189 ug/L	88
49) Dibromochloromethane	8.58	129	9576	7.349 ug/L #	11
62) 1,3-Dichlorobenzene	11.78	146	4234187	916.543 ug/L	100
63) 1,4-Dichlorobenzene	11.78	146	4234187	927.689 ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	17884	19.543 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030420\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration

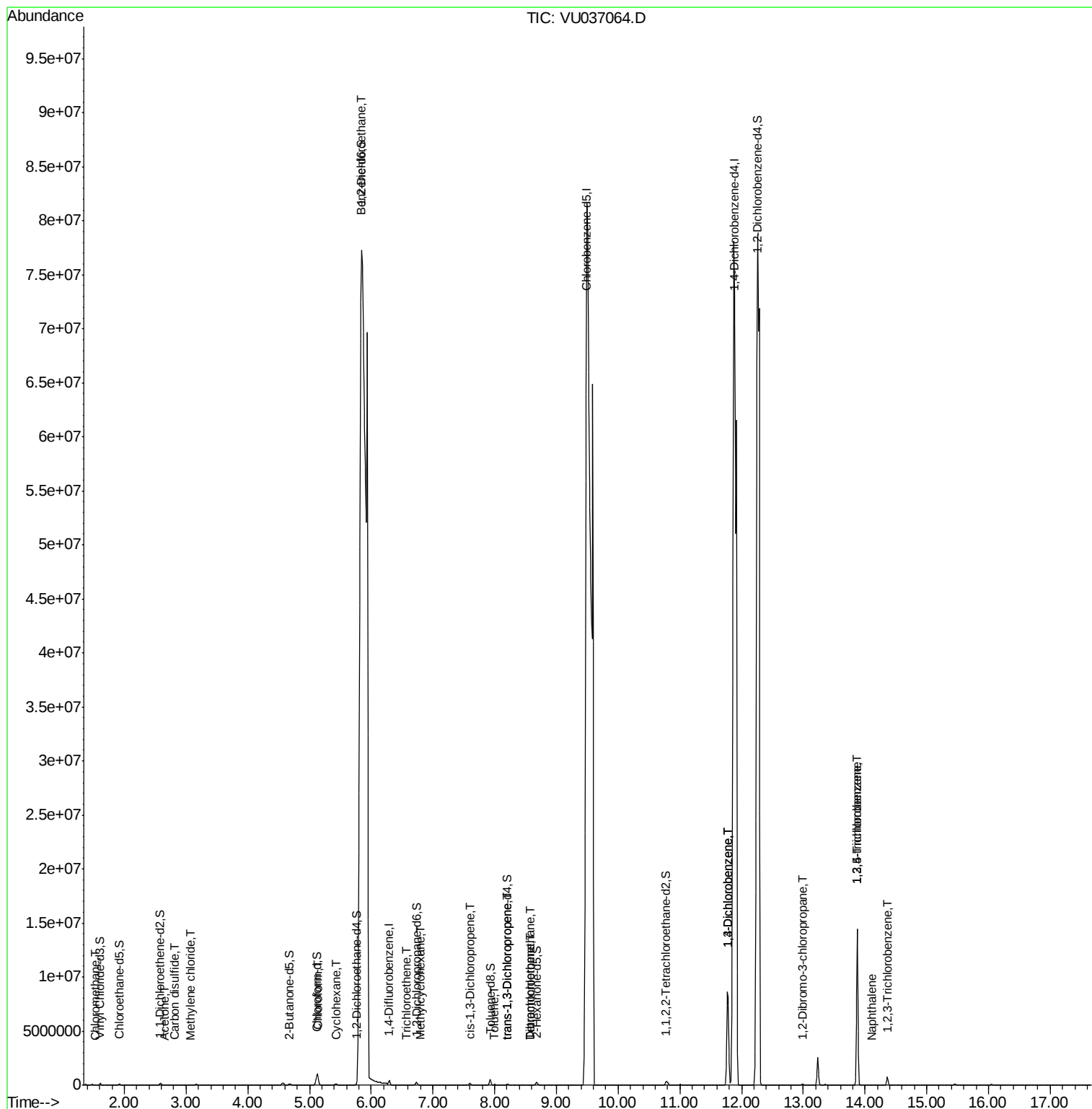
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,3,5-Trichlorobenzene	13.88	180	3970083	1353.907	ug/L	99
68) 1,2,4-trichlorobenzene	13.88	180	3970083	1807.088	ug/L	99
69) Naphthalene	14.12	128	8136	2.098	ug/L	99
70) 1,2,3-Trichlorobenzene	14.36	180	217862	99.235	ug/L	99

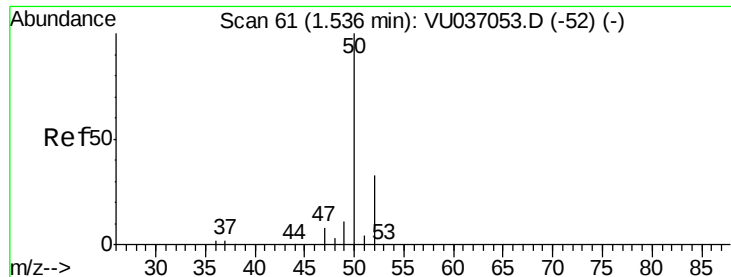
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Mar 05 02:52:45 2020
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.014 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.01 min

Lab File: VU037064.D

Acq: 05 Mar 2020 02:02

Instrument :

MSVOA_U

ClientSampleId :

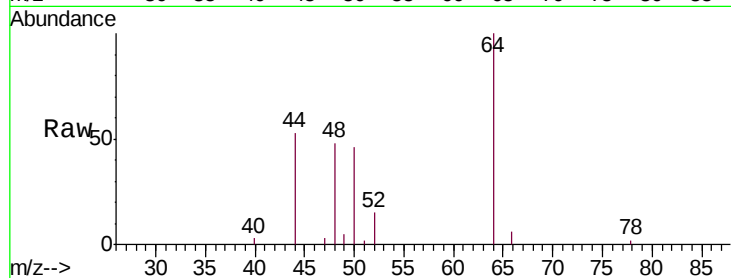
C0DH1

Tgt Ion: 50 Resp: 2960

Ion Ratio Lower Upper

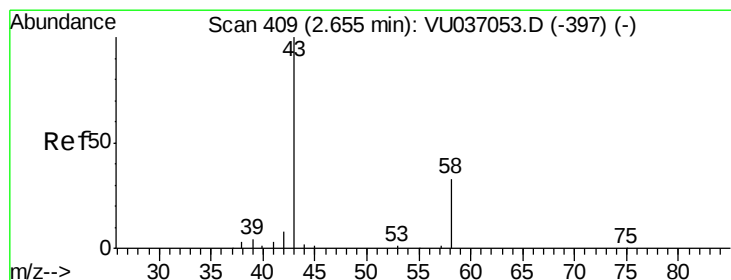
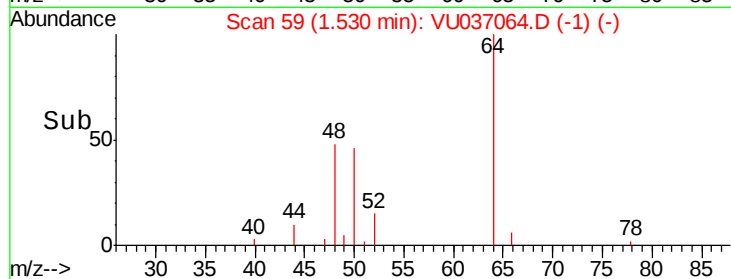
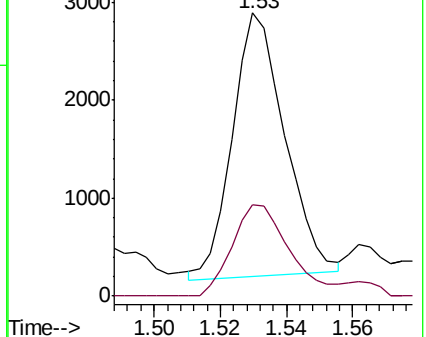
50 100

52 32.5 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VU037064.D (-52) (-)

Ion 52.00 (51.70 to 52.70): VU037064.D (-52) (-)



#13

Acetone

Concen: 3.379 ug/L

RT: 2.66 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU037064.D

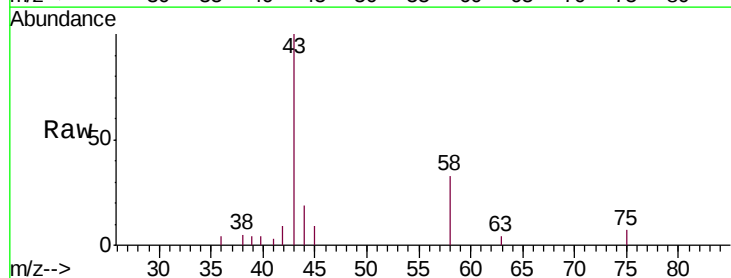
Acq: 05 Mar 2020 02:02

Tgt Ion: 43 Resp: 5855

Ion Ratio Lower Upper

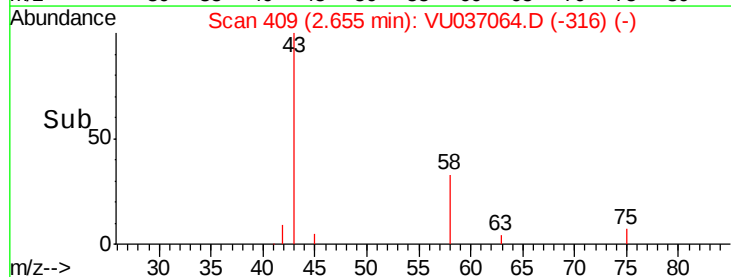
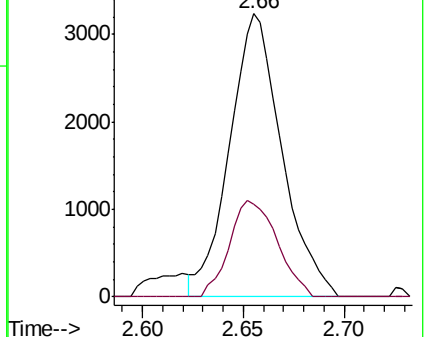
43 100

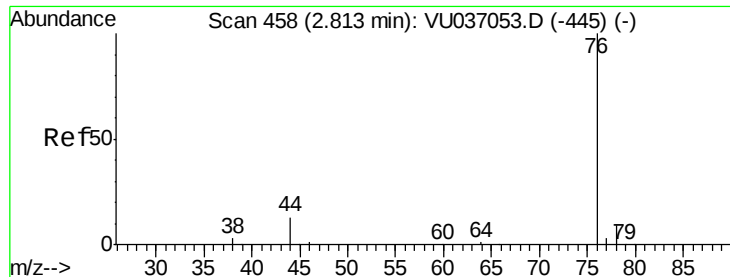
58 31.1 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037064.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU037064.D (-397) (-)





#14

Carbon disulfide

Concen: 6.594 ug/L

RT: 2.82 min Scan# 459

Delta R.T. 0.00 min

Lab File: VU037064.D

Acq: 05 Mar 2020 02:02

Instrument :

MSVOA_U

ClientSampled :

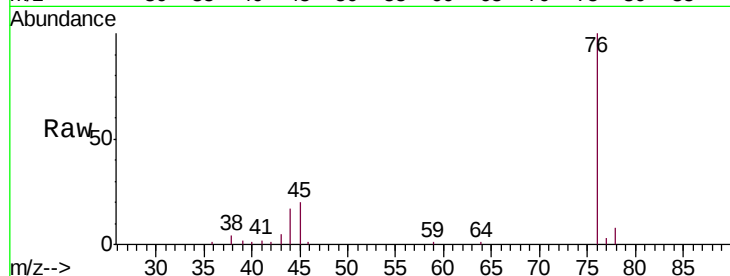
C0DH1

Tgt Ion: 76 Resp: 40295

Ion Ratio Lower Upper

76 100

78 8.2 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU037053.D (-445) (-)

Ion 78.00 (77.70 to 78.70): VU037053.D (-445) (-)

25000

20000

15000

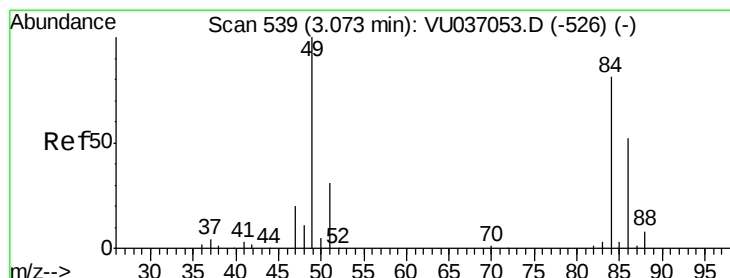
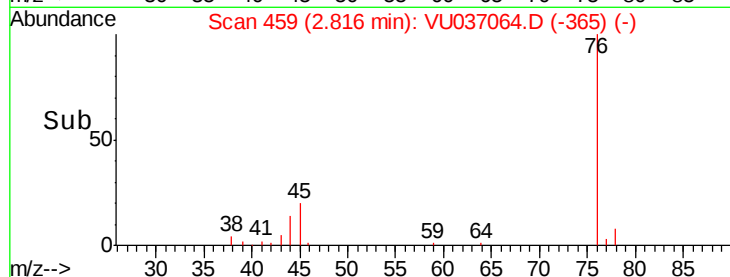
10000

5000

0

Time-->

2.75 2.80 2.85 2.90



#16

Methylene chloride

Concen: 3.970 ug/L

RT: 3.07 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU037064.D

Acq: 05 Mar 2020 02:02

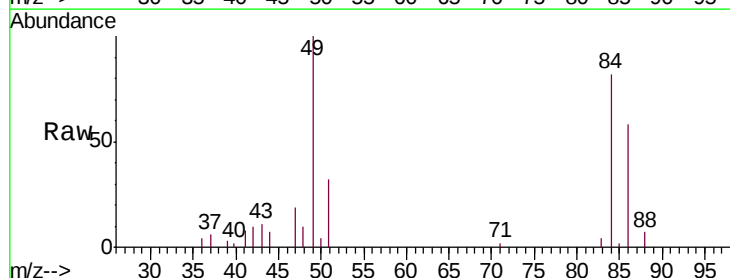
Tgt Ion: 84 Resp: 9353

Ion Ratio Lower Upper

84 100

86 70.7 44.4 82.5

49 122.1 85.9 159.5



Abundance Ion 84.00 (83.70 to 84.70): VU037053.D (-526) (-)

Ion 86.00 (85.70 to 86.70): VU037053.D (-526) (-)

Ion 49.00 (48.70 to 49.70): VU037053.D (-526) (-)

8000

6000

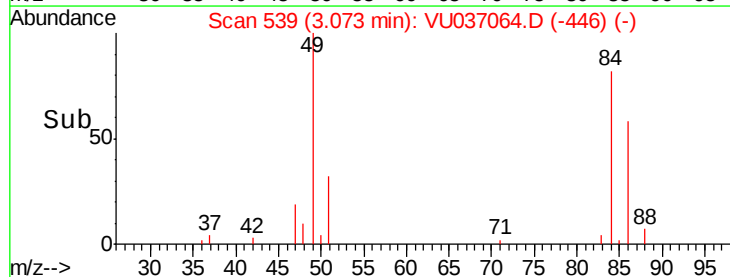
4000

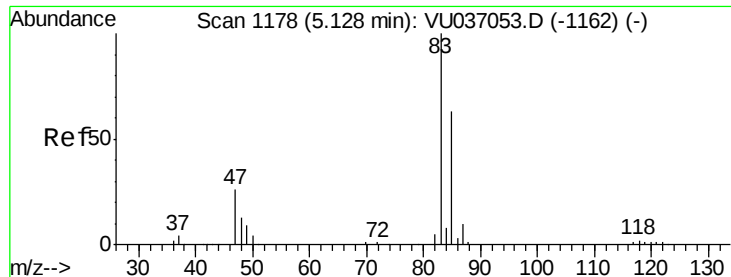
2000

0

Time-->

3.05 3.10

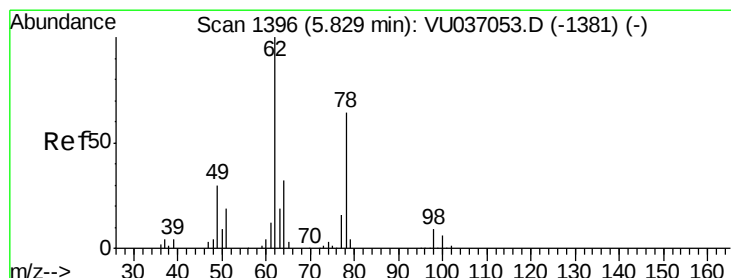
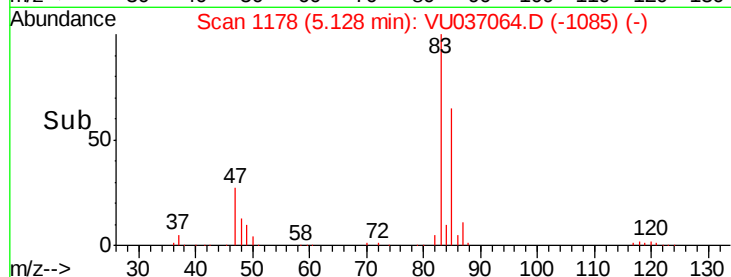
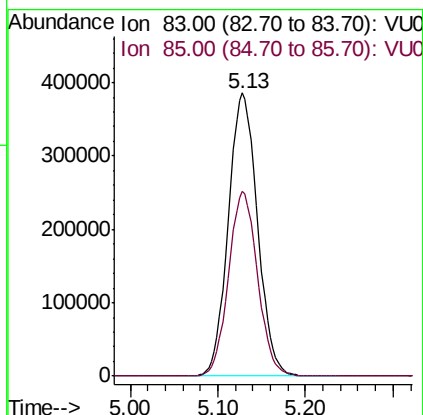
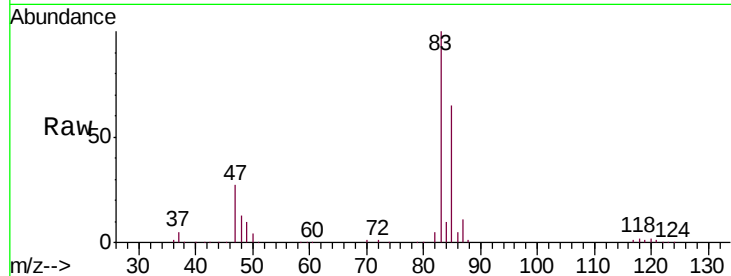




#25
Chloroform
Concen: 229.676 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU037064.D
Acq: 05 Mar 2020 02:02

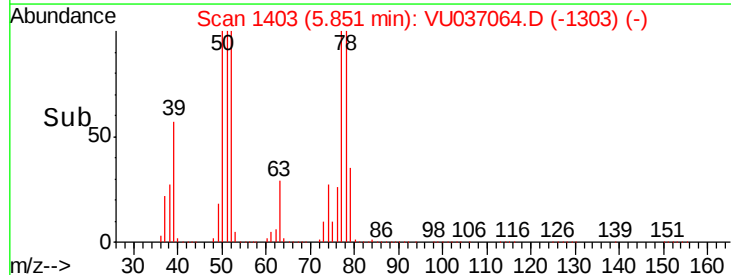
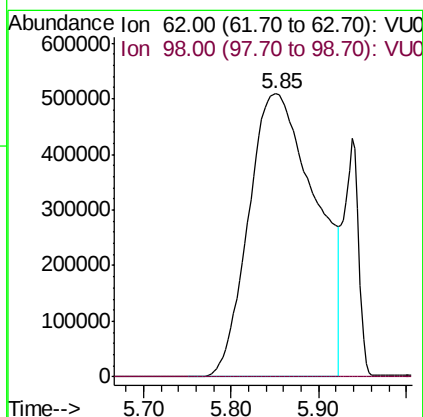
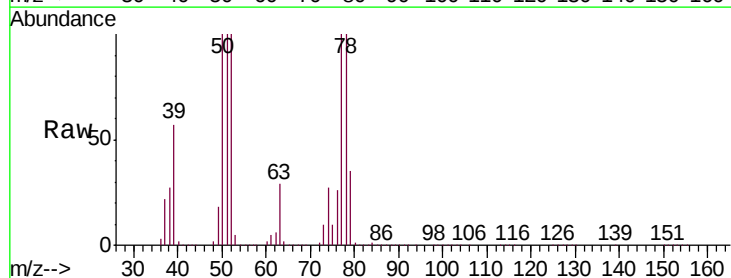
Instrument :
MSVOA_U
ClientSampleId :
C0DH1

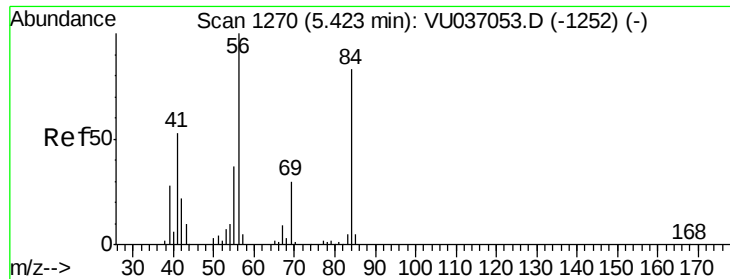
Tgt Ion: 83 Resp: 893403
Ion Ratio Lower Upper
83 100
85 65.3 45.1 83.9



#27
1,2-Dichloroethane
Concen: 854.601 ug/L
RT: 5.85 min Scan# 1403
Delta R.T. 0.02 min
Lab File: VU037064.D
Acq: 05 Mar 2020 02:02

Tgt Ion: 62 Resp: 2706357
Ion Ratio Lower Upper
62 100
98 0.0 7.1 10.7#

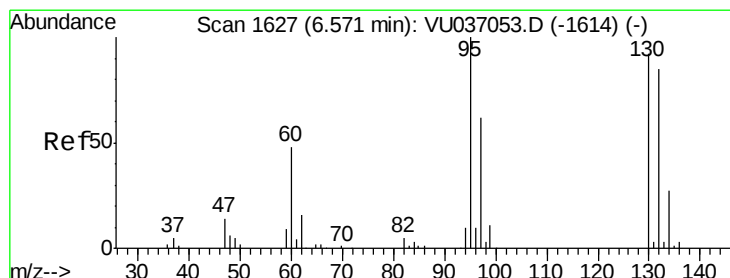
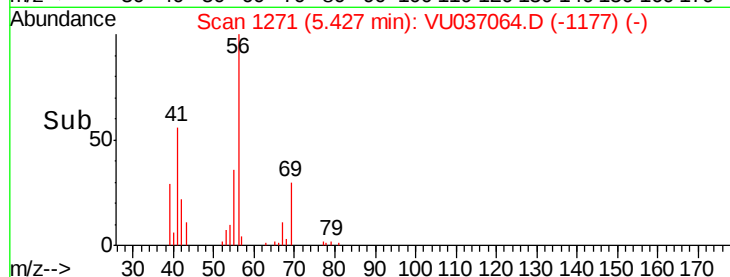
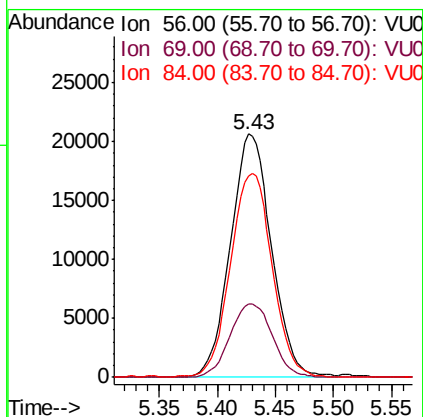
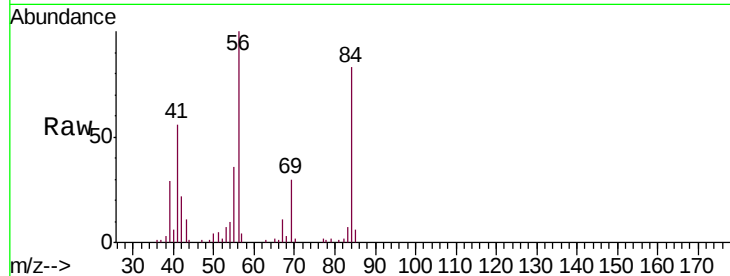




#29
Cyclohexane
Concen: 21.032 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VU037064.D
Acq: 05 Mar 2020 02:02

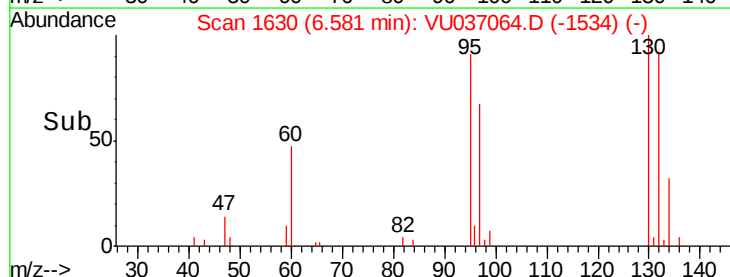
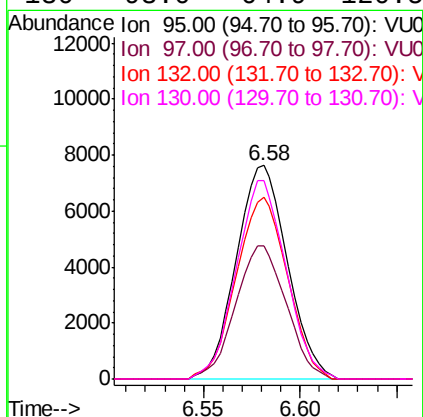
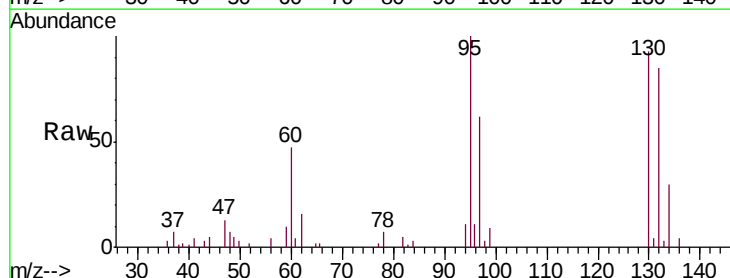
Instrument :
MSVOA_U
ClientSampled :
C0DH1

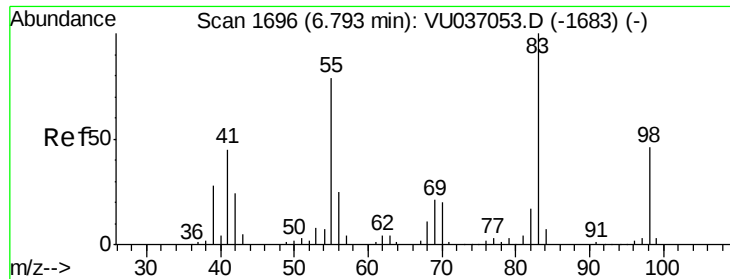
Tgt Ion: 56 Resp: 50651
Ion Ratio Lower Upper
56 100
69 31.1 24.6 37.0
84 85.2 67.0 100.4



#34
Trichloroethene
Concen: 9.968 ug/L
RT: 6.58 min Scan# 1630
Delta R.T. 0.01 min
Lab File: VU037064.D
Acq: 05 Mar 2020 02:02

Tgt Ion: 95 Resp: 14046
Ion Ratio Lower Upper
95 100
97 62.4 44.1 81.9
132 85.1 60.6 112.6
130 93.0 64.9 120.5

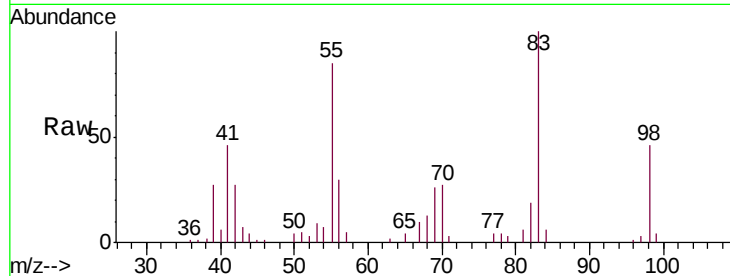




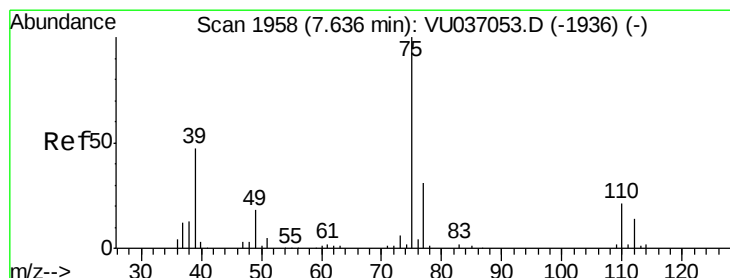
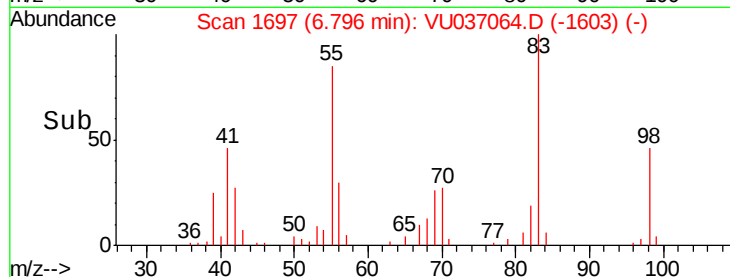
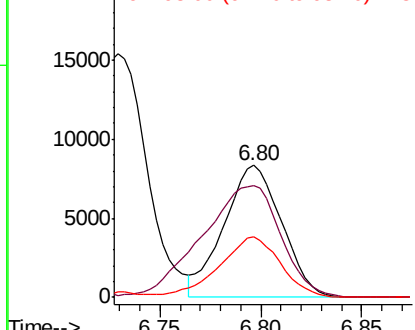
#35
Methylcyclohexane
Concen: 6.838 ug/L
RT: 6.80 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU037064.D
Acq: 05 Mar 2020 02:02

Instrument :
MSVOA_U
ClientSampled :
C0DH1

Tgt Ion: 83 Resp: 16706
Ion Ratio Lower Upper
83 100
55 115.5 62.6 93.8#
98 48.6 35.1 52.7

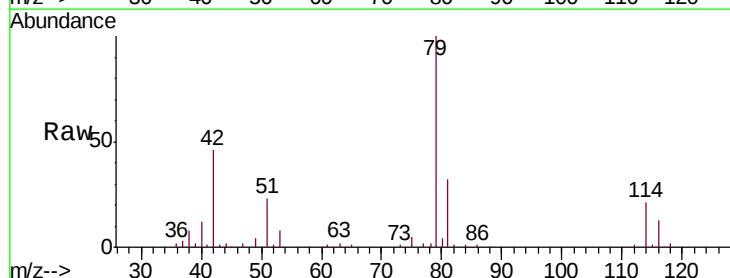


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

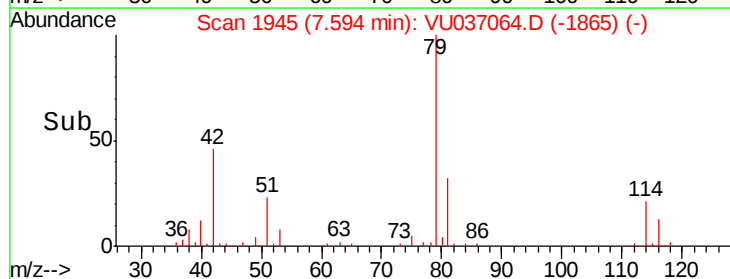
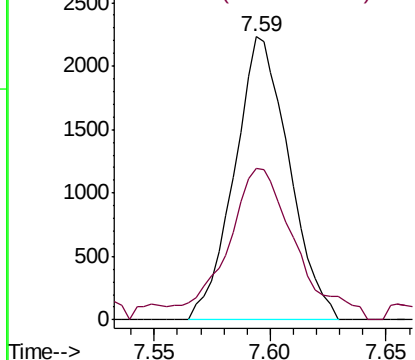


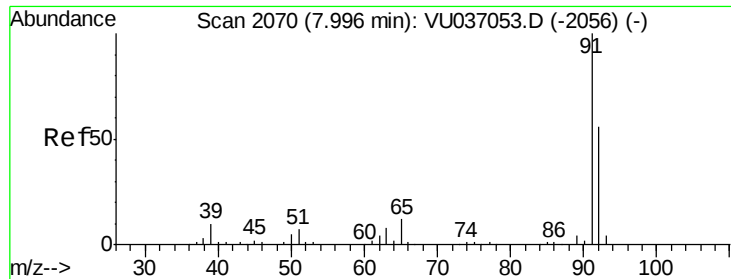
#39
cis-1,3-Dichloropropene
Concen: 1.535 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU037064.D
Acq: 05 Mar 2020 02:02

Tgt Ion: 75 Resp: 3651
Ion Ratio Lower Upper
75 100
77 53.5 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 5.821 ug/L

RT: 8.00 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VU037064.D

Acq: 05 Mar 2020 02:02

Instrument :

MSVOA_U

ClientSampleId :

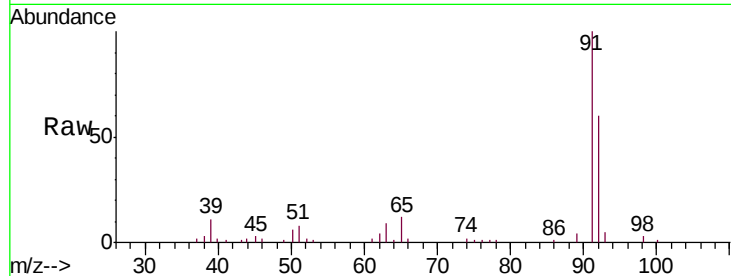
C0DH1

Tgt Ion: 91 Resp: 35557

Ion Ratio Lower Upper

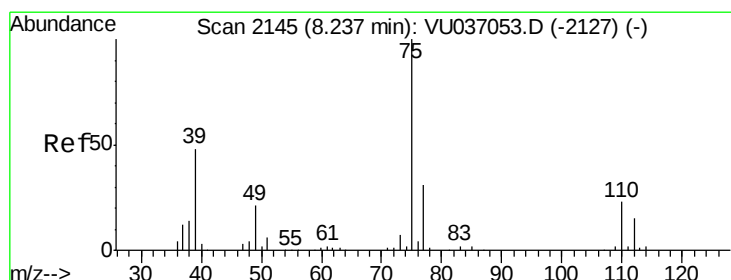
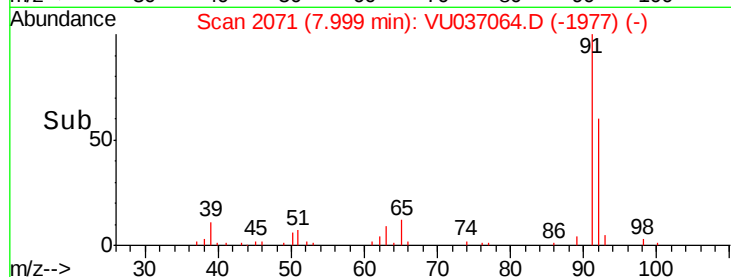
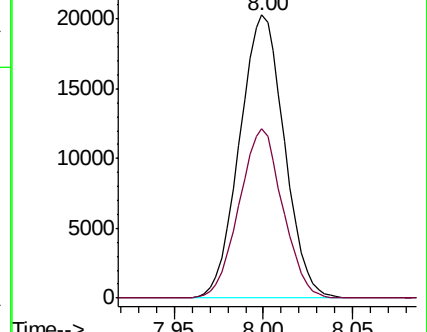
91 100

92 60.0 39.4 73.2



Abundance Ion 91.00 (90.70 to 91.70): VU037053.D (-2056) (-)

Ion 92.00 (91.70 to 92.70): VU037053.D (-2056) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.193 ug/L

RT: 8.21 min Scan# 2136

Delta R.T. -0.03 min

Lab File: VU037064.D

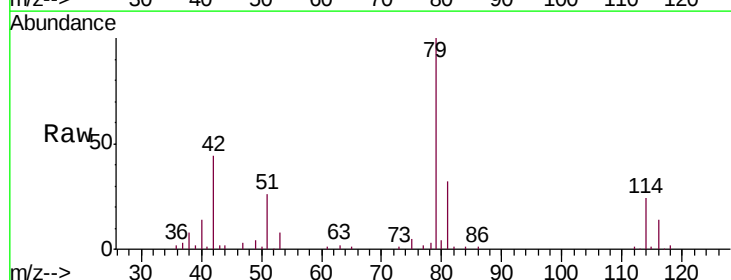
Acq: 05 Mar 2020 02:02

Tgt Ion: 75 Resp: 2460

Ion Ratio Lower Upper

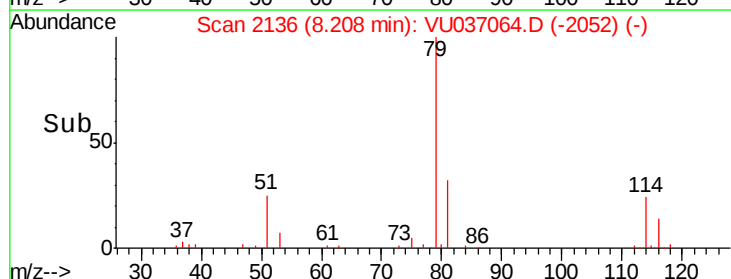
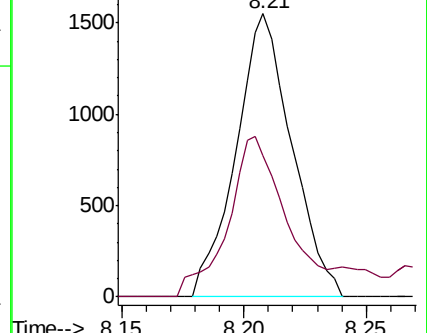
75 100

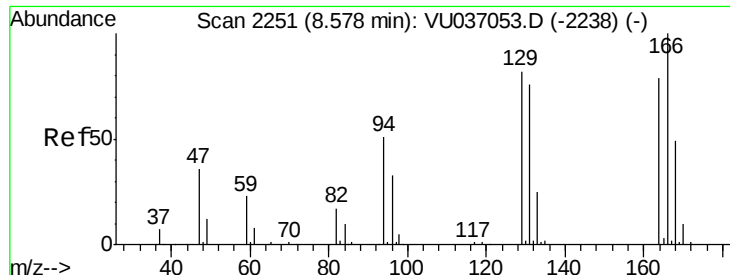
77 49.9 21.6 40.2#



Abundance Ion 75.00 (74.70 to 75.70): VU037053.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU037053.D (-2127) (-)





#46

Tetrachloroethene

Concen: 10.189 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VU037064.D

Acq: 05 Mar 2020 02:02

Instrument :

MSVOA_U

ClientSampleId :

C0DH1

Tgt Ion:164 Resp: 9458

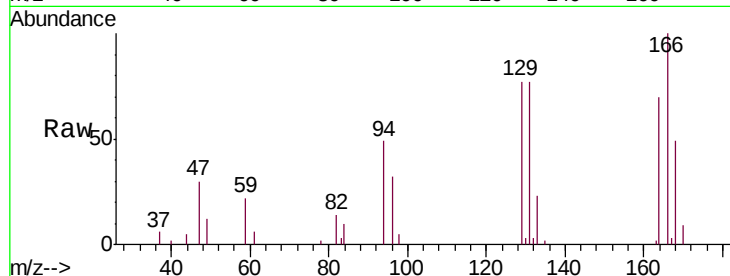
Ion Ratio Lower Upper

164 100

129 109.5 72.0 133.8

131 109.0 67.9 126.1

166 142.3 87.1 161.7

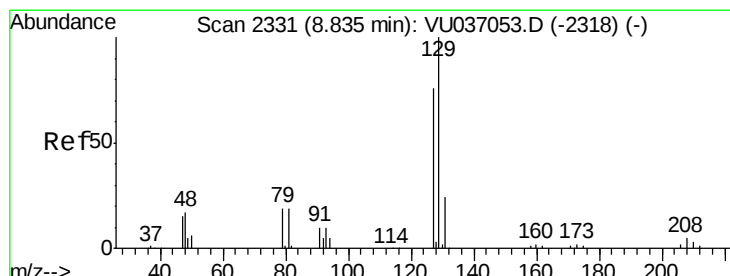
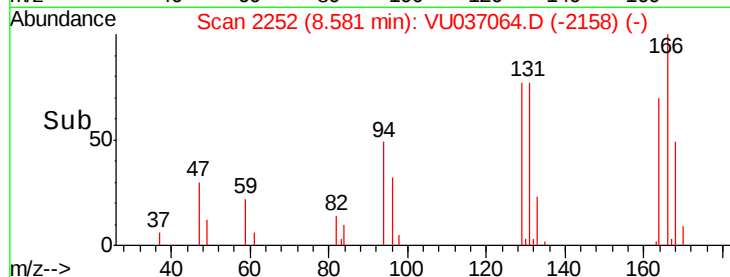
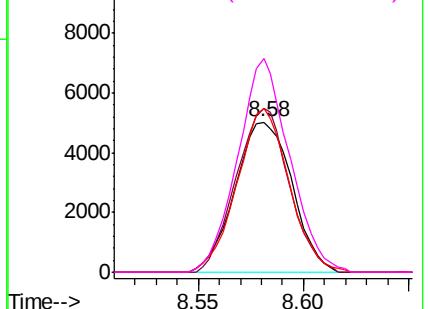


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#49

Dibromochloromethane

Concen: 7.349 ug/L

RT: 8.58 min Scan# 2252

Delta R.T. -0.25 min

Lab File: VU037064.D

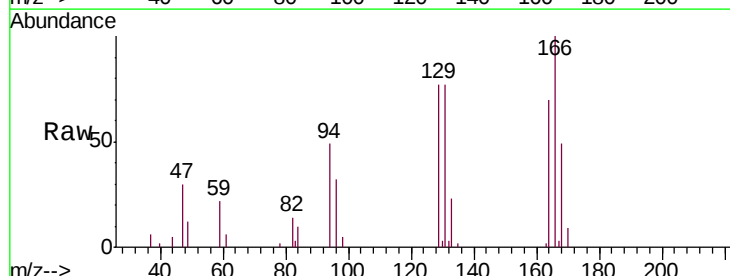
Acq: 05 Mar 2020 02:02

Tgt Ion:129 Resp: 9576

Ion Ratio Lower Upper

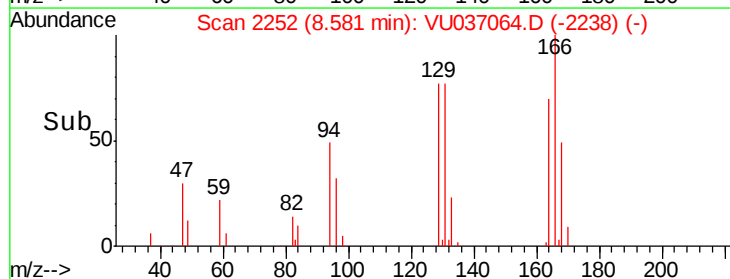
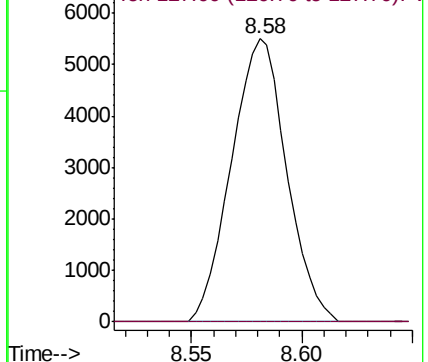
129 100

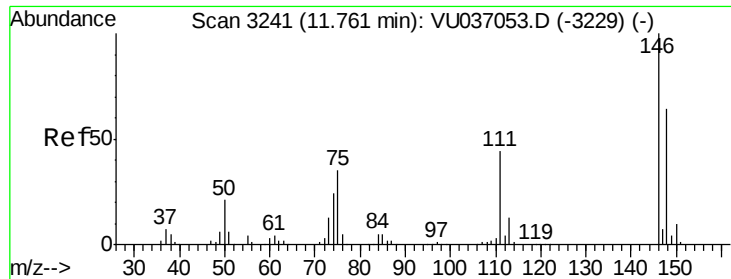
127 0.0 54.3 100.8#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

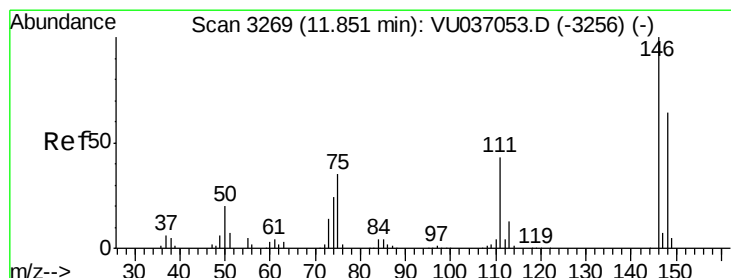
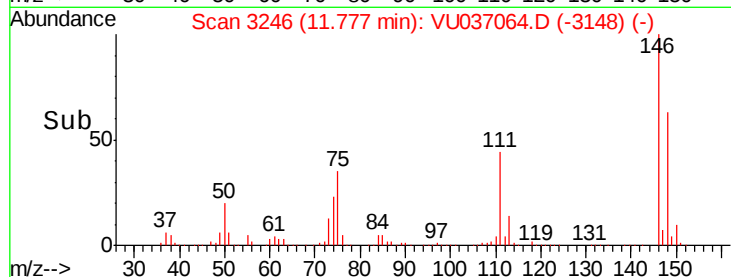
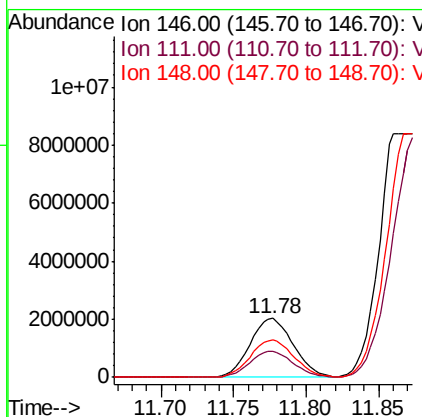
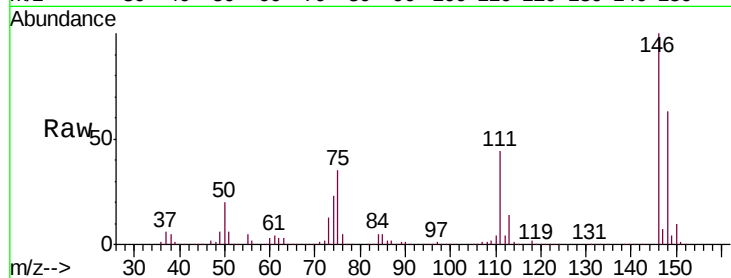




#62
 1,3-Dichlorobenzene
 Concen: 916.543 ug/L
 RT: 11.78 min Scan# 3246
 Delta R.T. 0.02 min
 Lab File: VU037064.D
 Acq: 05 Mar 2020 02:02

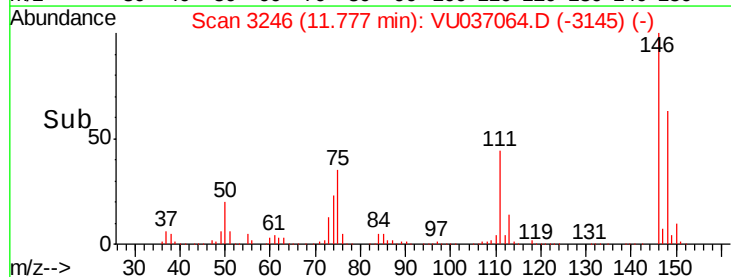
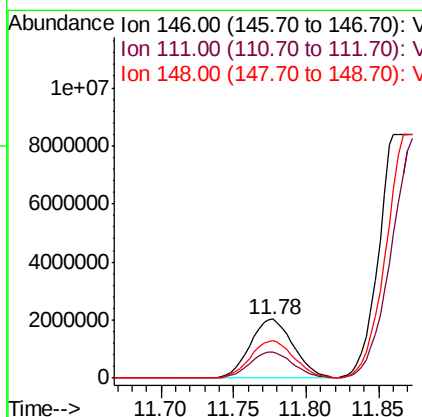
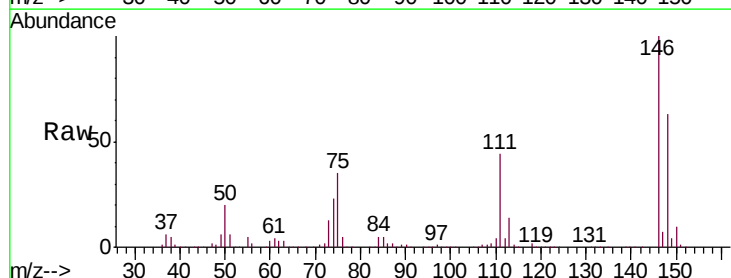
Instrument :
 MSVOA_U
 ClientSampled :
 C0DH1

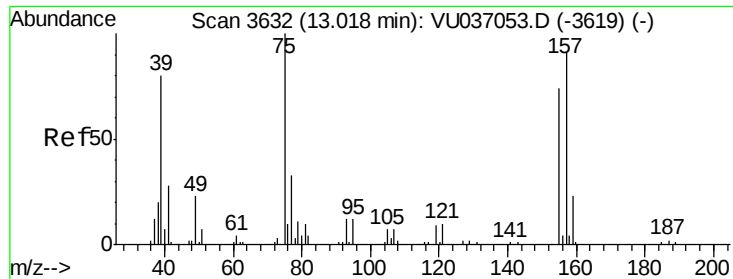
Tgt Ion:146 Resp: 4234187
 Ion Ratio Lower Upper
 146 100
 111 43.6 30.7 56.9
 148 63.3 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 927.689 ug/L
 RT: 11.78 min Scan# 3246
 Delta R.T. -0.07 min
 Lab File: VU037064.D
 Acq: 05 Mar 2020 02:02

Tgt Ion:146 Resp: 4234187
 Ion Ratio Lower Upper
 146 100
 111 43.6 29.8 55.4
 148 63.3 45.1 83.9

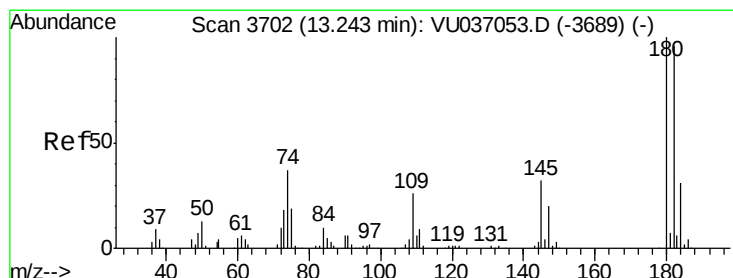
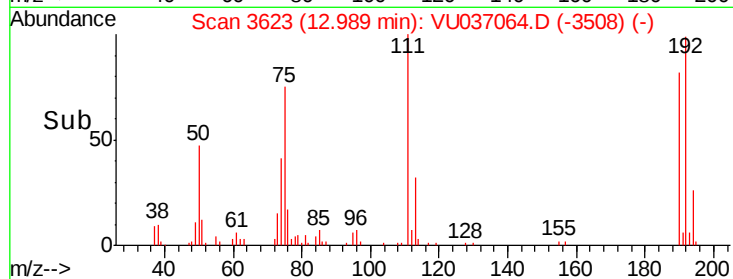
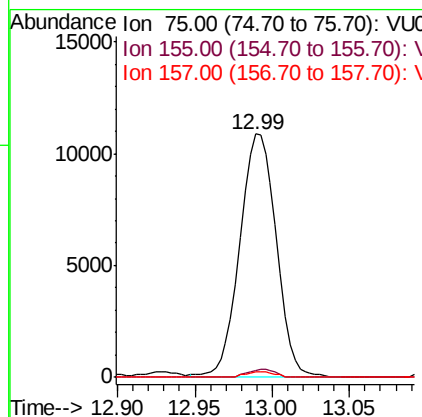
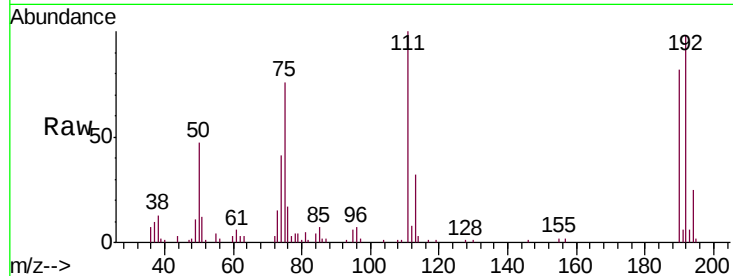




#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.543 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. -0.03 min
 Lab File: VU037064.D
 Acq: 05 Mar 2020 02:02

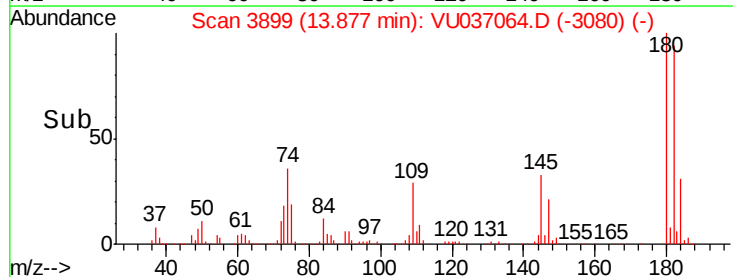
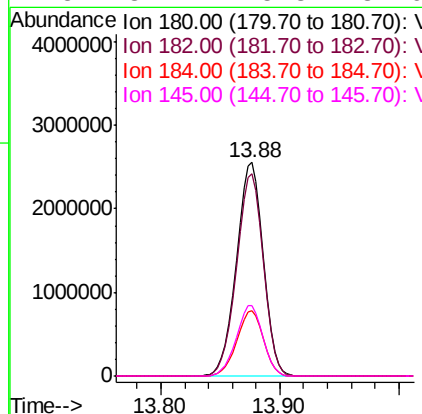
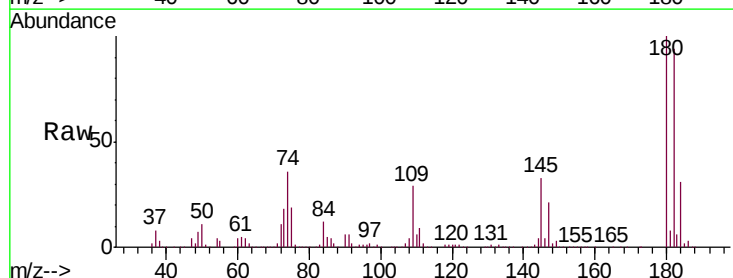
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DH1

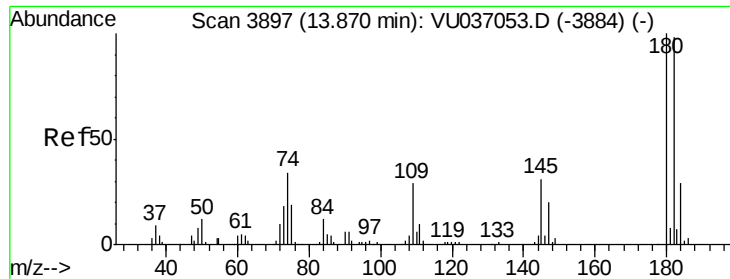
Tgt Ion: 75 Resp: 17884
 Ion Ratio Lower Upper
 75 100
 155 2.7 55.7 83.5#
 157 2.0 73.0 109.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 1353.907 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.63 min
 Lab File: VU037064.D
 Acq: 05 Mar 2020 02:02

Tgt Ion: 180 Resp: 3970083
 Ion Ratio Lower Upper
 180 100
 182 94.9 76.9 115.3
 184 30.3 24.2 36.2
 145 32.7 25.3 37.9

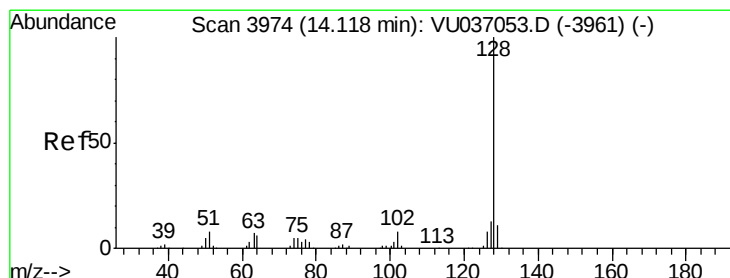
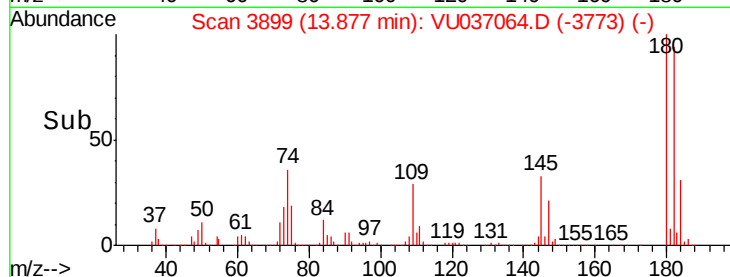
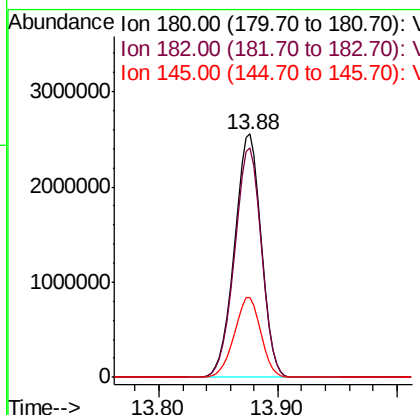
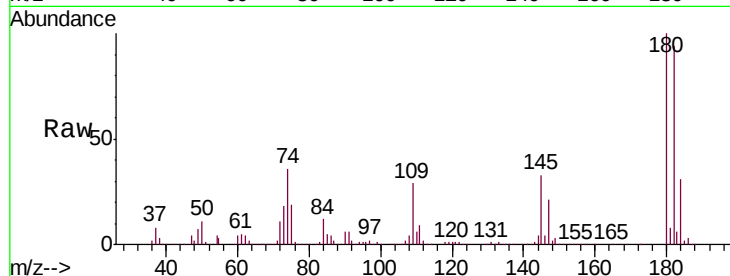




#68
 1,2,4-trichlorobenzene
 Concen: 1807.088 ug/L
 RT: 13.88 min Scan# 3899
 Delta R.T. 0.01 min
 Lab File: VU037064.D
 Acq: 05 Mar 2020 02:02

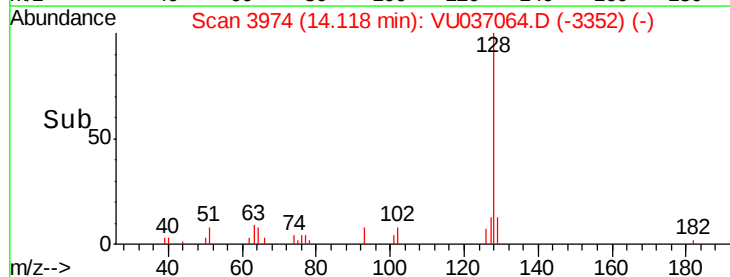
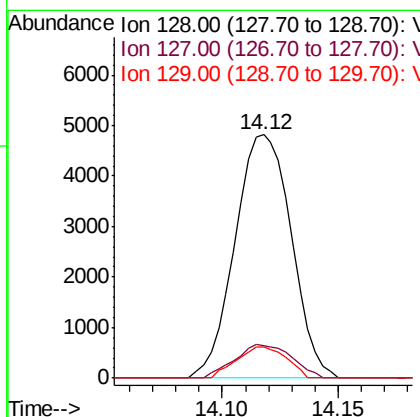
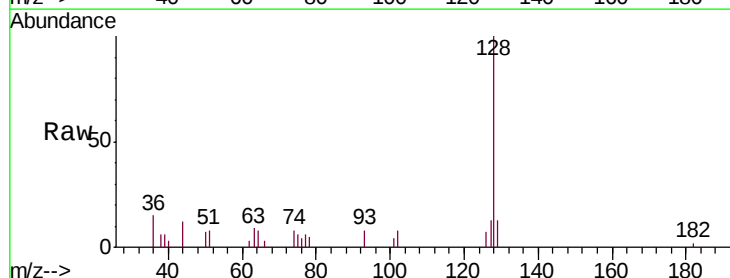
Instrument :
 MSVOA_U
 ClientSampleId :
 C0DH1

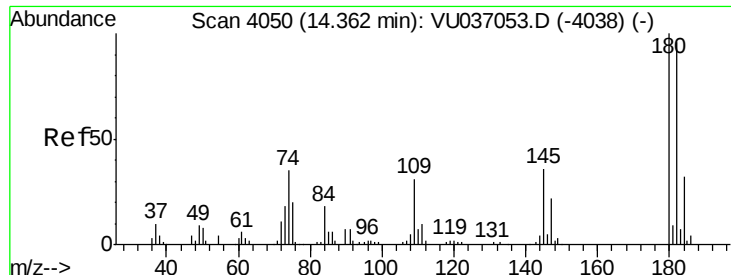
Tgt Ion:180 Resp: 3970083
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.3 112.9
 145 32.7 26.2 39.4



#69
 Naphthalene
 Concen: 2.098 ug/L
 RT: 14.12 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VU037064.D
 Acq: 05 Mar 2020 02:02

Tgt Ion:128 Resp: 8136
 Ion Ratio Lower Upper
 128 100
 127 13.9 11.0 16.4
 129 11.3 8.6 12.8

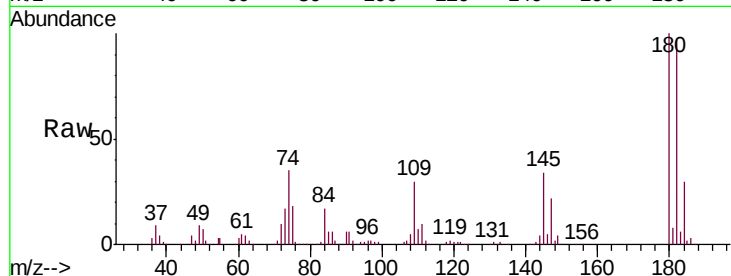




#70
 1,2,3-Trichlorobenzene
 Concen: 99.235 ug/L
 RT: 14.36 min Scan# 4050
 Delta R.T. 0.00 min
 Lab File: VU037064.D
 Acq: 05 Mar 2020 02:02

Instrument :
 MSVOA_U
 ClientSampleId :
 C0DH1

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.0	115.6
145	34.3	28.1	42.1



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

