

Data File : VU037047.D
Acq On : 04 Mar 2020 18:33
Operator : JC/MD
Sample : L1784-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AZ3

Quant Time: Mar 05 01:01:11 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM022420WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 05 00:57:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	258175	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	246972	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	92761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	90669	41.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.64%
7) Chloroethane-d5	1.93	69	88211	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.34%
11) 1,1-Dichloroethene-d2	2.59	63	131339	36.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.34%
21) 2-Butanone-d5	4.67	46	149913	103.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.08%
24) Chloroform-d	5.11	84	161330	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.74	65	112990	50.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.86%
32) Benzene-d6	5.76	84	351583	49.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.46%
36) 1,2-Dichloropropane-d6	6.73	67	109509	47.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.66%
41) Toluene-d8	7.92	98	304818	46.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.20	79	49029	45.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.20%
47) 2-Hexanone-d5	8.66	63	104532	92.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.39%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	157943	48.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.84%
64) 1,2-Dichlorobenzene-d4	12.21	152	90429	49.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.74%

Target Compounds

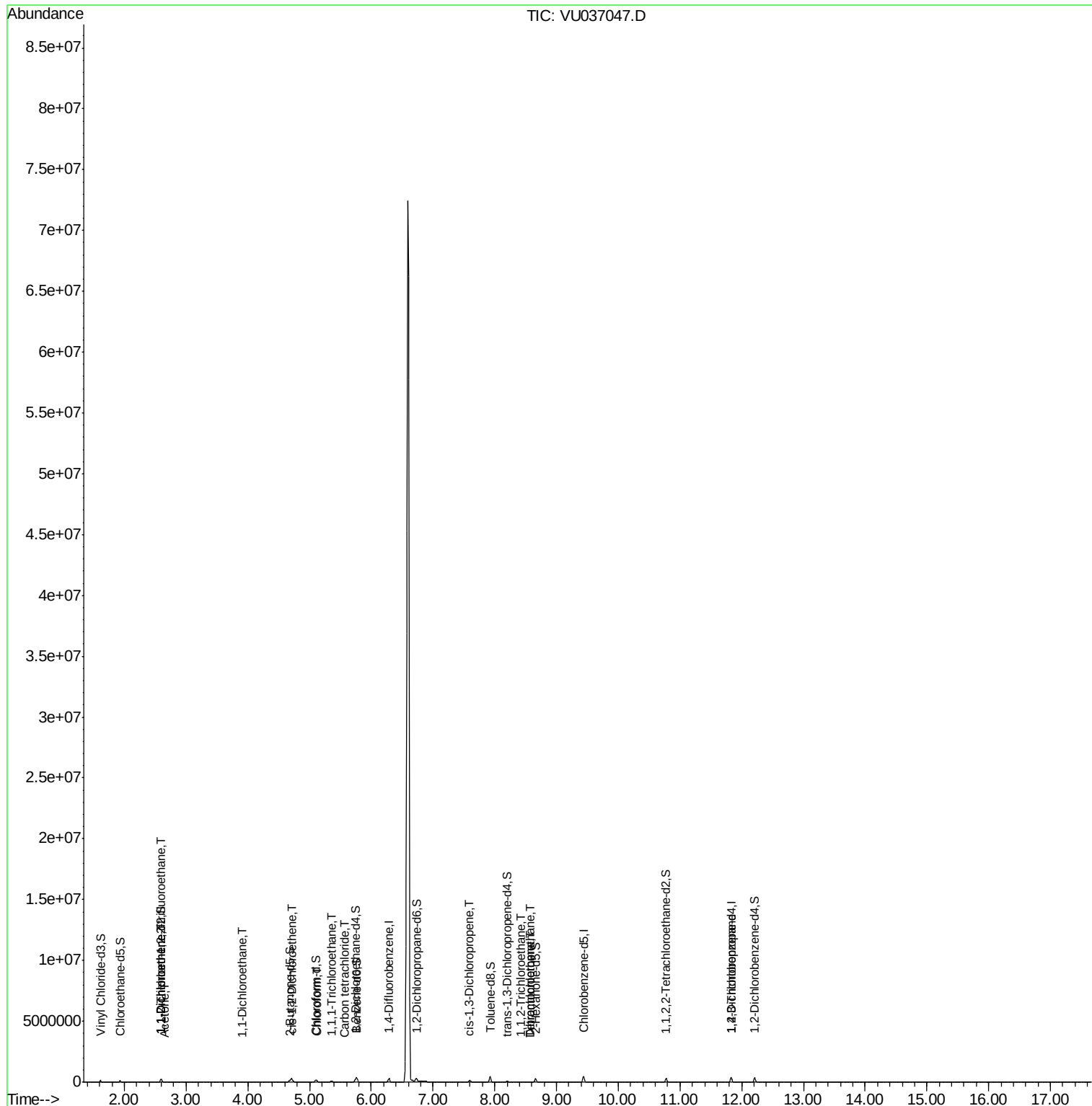
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	24304	14.741	ug/L	99
12) 1,1-Dichloroethene	2.60	96	16646	9.982	ug/L #	3
13) Acetone	2.65	43	3814	2.550	ug/L	99
19) 1,1-Dichloroethane	3.92	63	3467	0.996	ug/L	94
20) cis-1,2-Dichloroethene	4.71	96	142910	71.347	ug/L	99
25) Chloroform	5.13	83	7495	2.232	ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	78286	29.565	ug/L	100
31) Carbon tetrachloride	5.56	117	2798	1.348	ug/L	92
39) cis-1,3-Dichloropropene	7.59	75	3160	0.976	ug/L #	56
45) 1,1,2-Trichloroethane	8.42	97	10236	5.479	ug/L	96
46) Tetrachloroethene	8.58	164	2818	2.231	ug/L	94
49) Dibromochloromethane	8.58	129	3094	1.745	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	14230	5.265	ug/L	95

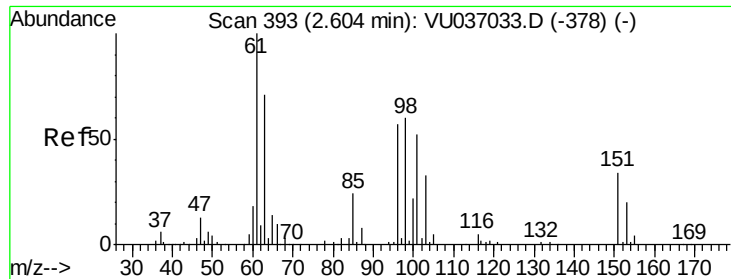
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 14.741 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU037047.D

Acq: 04 Mar 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

C0AZ3

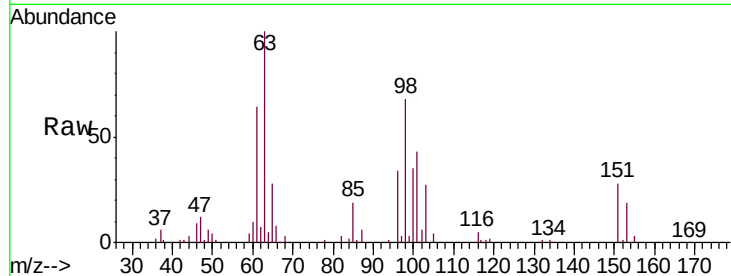
Tgt Ion:101 Resp: 24304

Ion Ratio Lower Upper

101 100

85 44.4 36.4 54.6

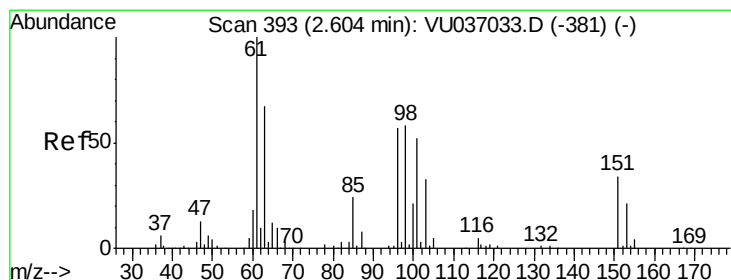
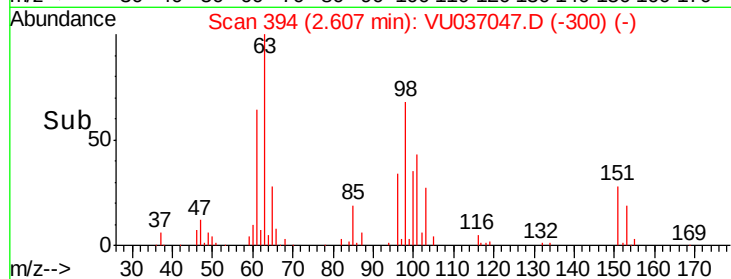
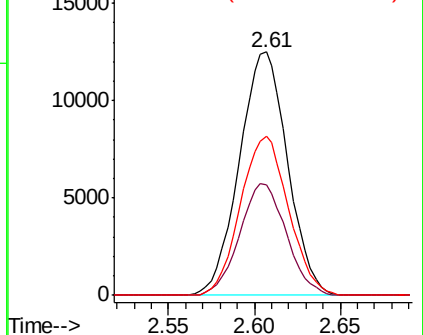
151 65.2 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 9.982 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU037047.D

Acq: 04 Mar 2020 18:33

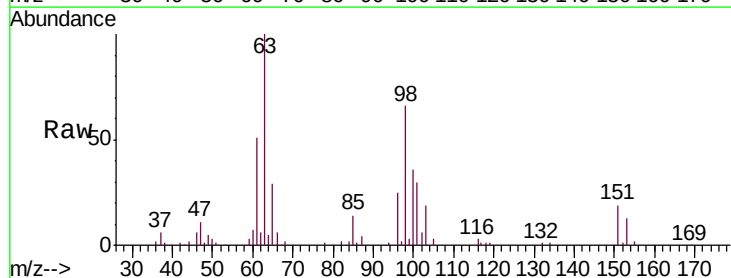
Tgt Ion: 96 Resp: 16646

Ion Ratio Lower Upper

96 100

61 201.1 127.5 236.7

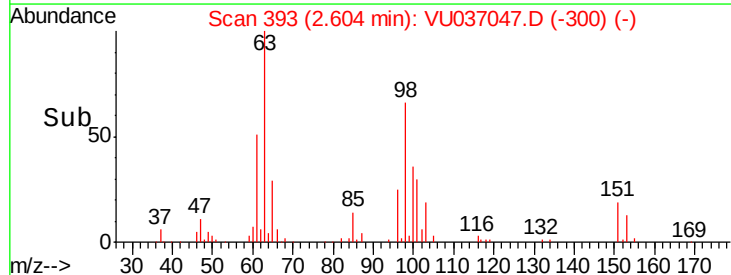
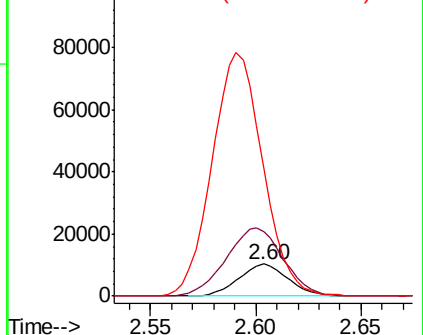
63 395.5 101.4 188.2#

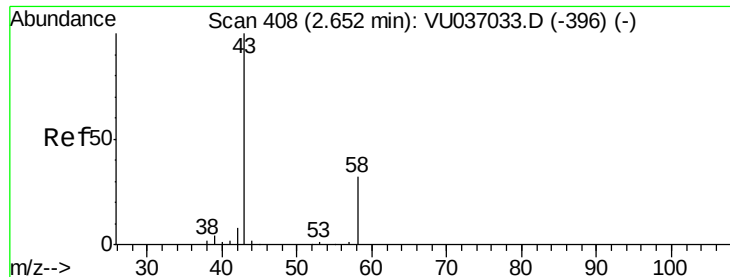


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.550 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037047.D

Acq: 04 Mar 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

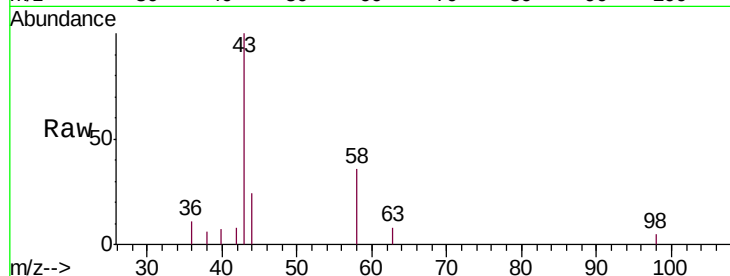
C0AZ3

Tgt Ion: 43 Resp: 3814

Ion Ratio Lower Upper

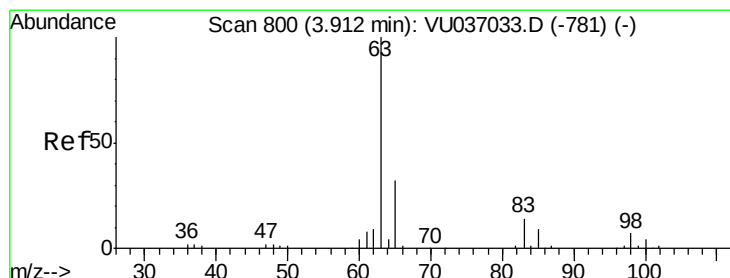
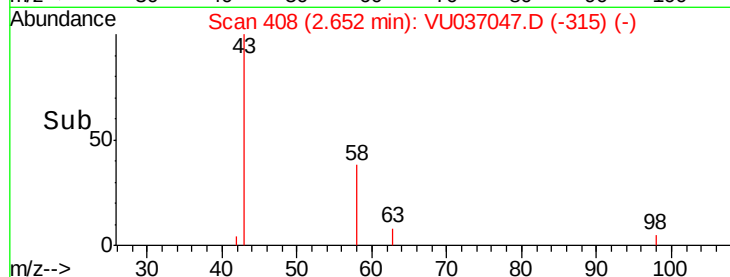
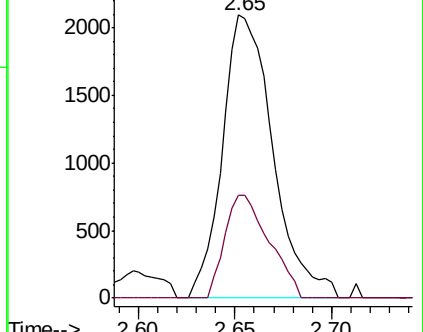
43 100

58 31.6 0.0 64.6



Abundance Ion 43.00 (42.70 to 43.70): VU037047.D (-315) (-)

Ion 58.00 (57.70 to 58.70): VU037047.D (-315) (-)



#19

1,1-Dichloroethane

Concen: 0.996 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU037047.D

Acq: 04 Mar 2020 18:33

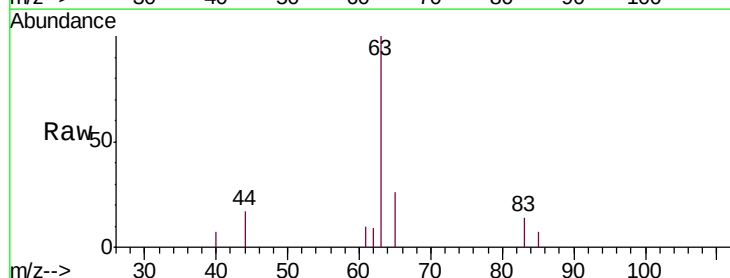
Tgt Ion: 63 Resp: 3467

Ion Ratio Lower Upper

63 100

65 26.1 21.3 39.5

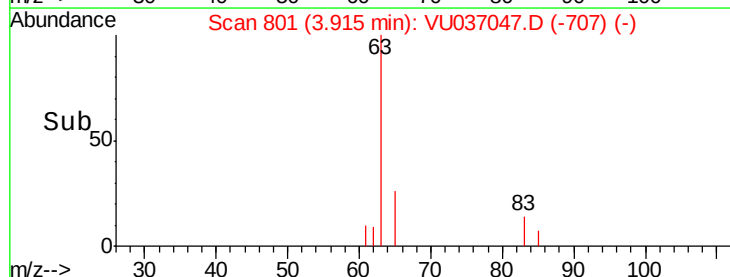
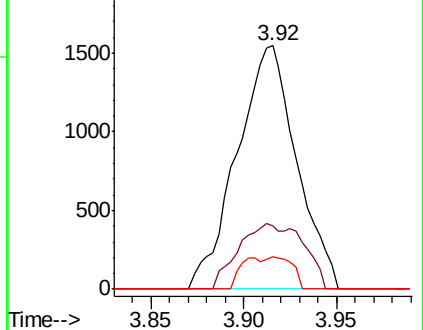
83 13.6 9.2 17.2

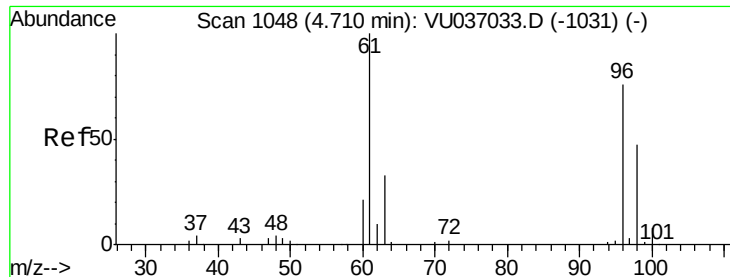


Abundance Ion 63.00 (62.70 to 63.70): VU037047.D (-707) (-)

Ion 65.00 (64.70 to 65.70): VU037047.D (-707) (-)

Ion 83.00 (82.70 to 83.70): VU037047.D (-707) (-)

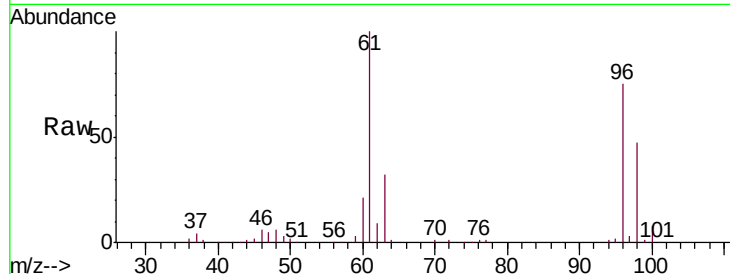




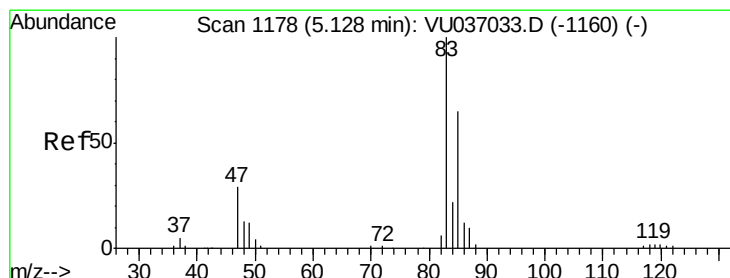
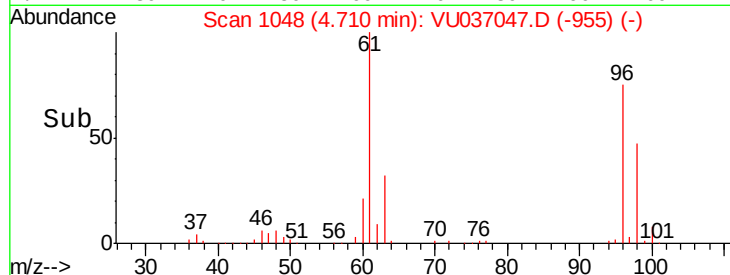
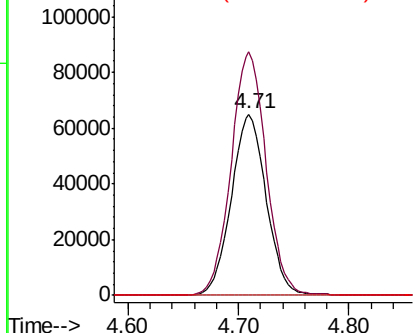
#20
 cis-1,2-Dichloroethene
 Concen: 71.347 ug/L
 RT: 4.71 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: VU037047.D
 Acq: 04 Mar 2020 18:33

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ3

Tgt Ion: 96 Resp: 142910
 Ion Ratio Lower Upper
 96 100
 61 134.2 93.1 172.9
 68 0.0 0.0 0.0

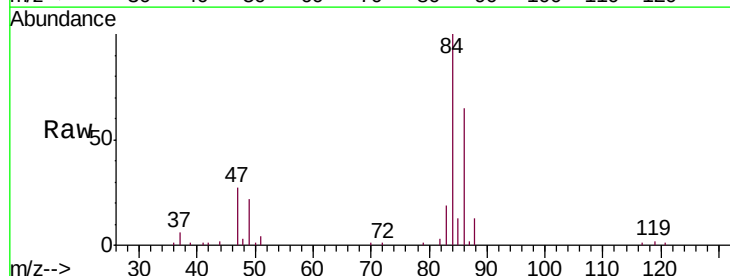


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

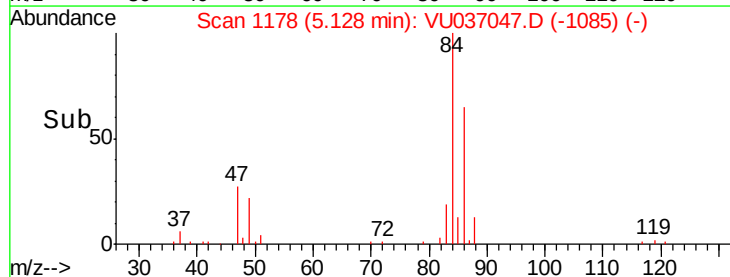
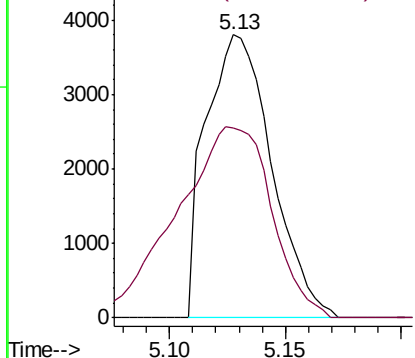


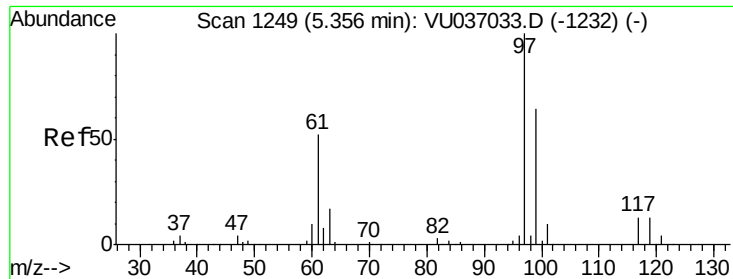
#25
 Chloroform
 Concen: 2.232 ug/L
 RT: 5.13 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: VU037047.D
 Acq: 04 Mar 2020 18:33

Tgt Ion: 83 Resp: 7495
 Ion Ratio Lower Upper
 83 100
 85 67.2 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

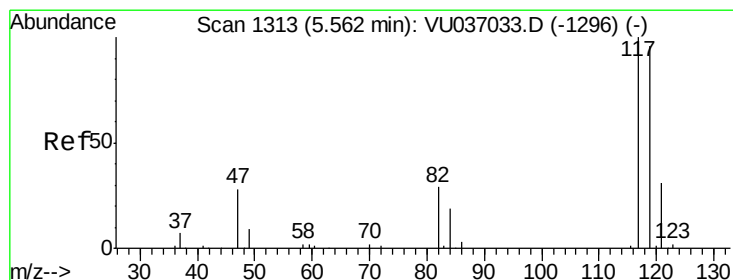
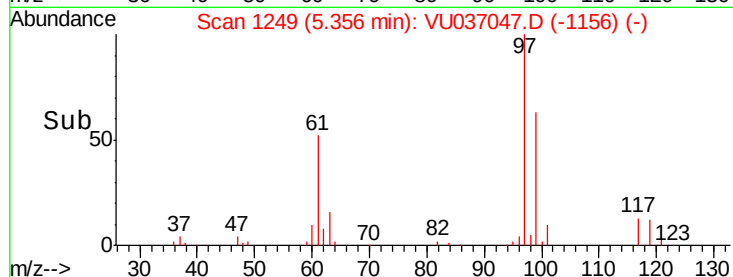
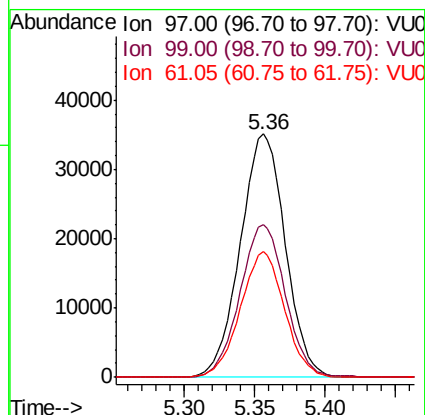
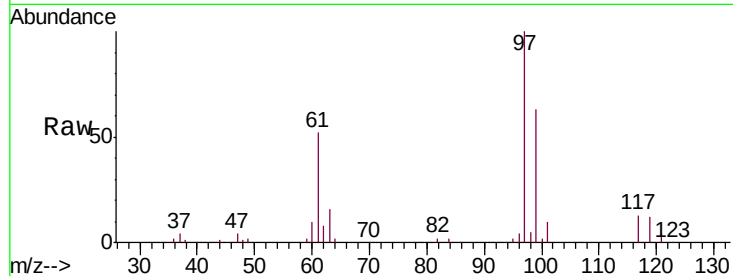




#30
 1,1,1-Trichloroethane
 Concen: 29.565 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU037047.D
 Acq: 04 Mar 2020 18:33

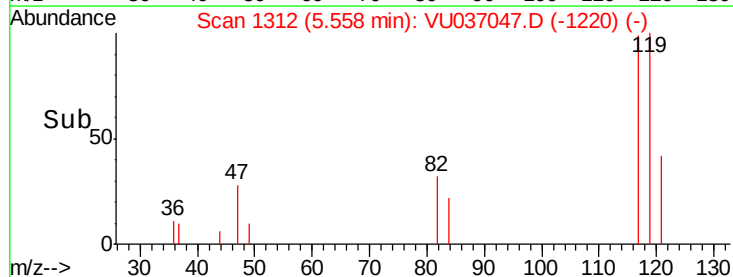
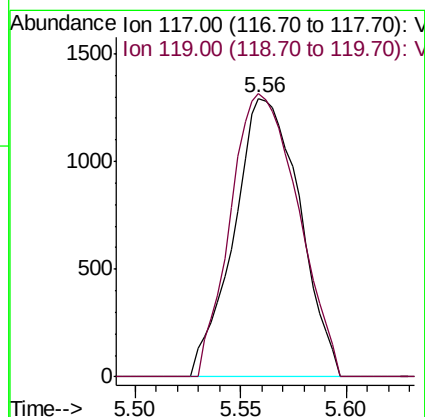
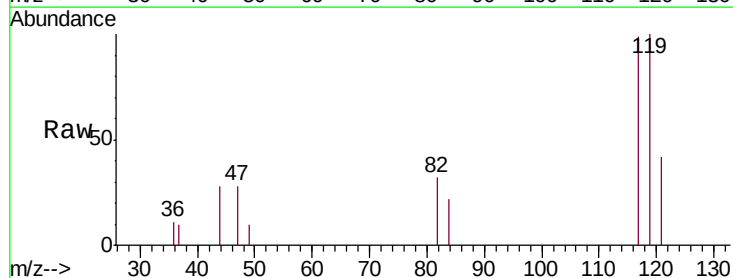
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AZ3

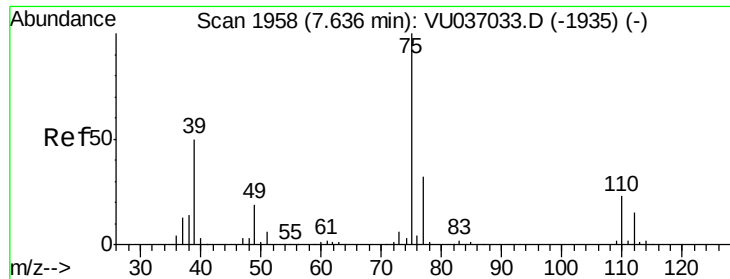
Tgt Ion: 97 Resp: 78286
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.4 75.6
 61 50.6 40.3 60.5



#31
 Carbon tetrachloride
 Concen: 1.348 ug/L
 RT: 5.56 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU037047.D
 Acq: 04 Mar 2020 18:33

Tgt Ion: 117 Resp: 2798
 Ion Ratio Lower Upper
 117 100
 119 104.5 77.2 115.8





#39

cis-1,3-Dichloropropene

Concen: 0.976 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037047.D

Acq: 04 Mar 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

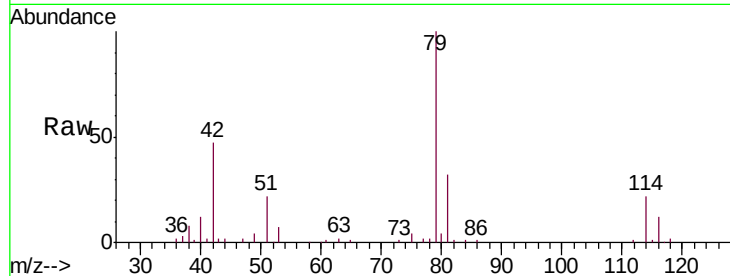
C0AZ3

Tgt Ion: 75 Resp: 3160

Ion Ratio Lower Upper

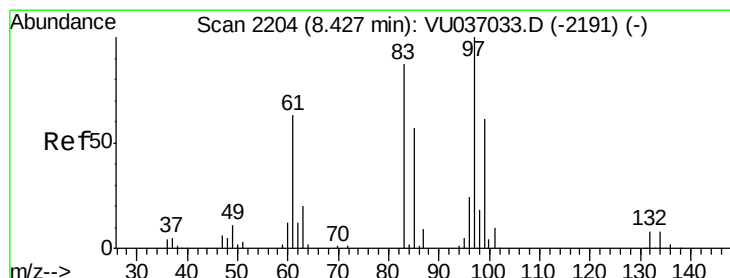
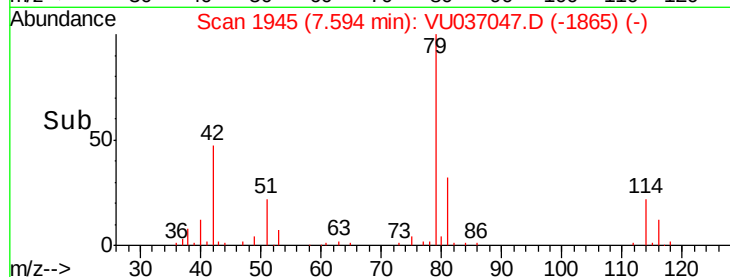
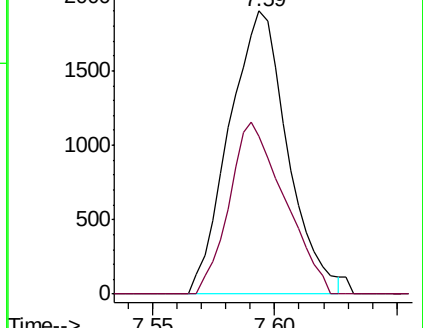
75 100

77 55.8 22.0 41.0#



Abundance Ion 75.00 (74.70 to 75.70): VU037033.D (-1935) (-)

Ion 77.00 (76.70 to 77.70): VU037033.D (-1935) (-)



#45

1,1,2-Trichloroethane

Concen: 5.479 ug/L

RT: 8.42 min Scan# 2203

Delta R.T. -0.00 min

Lab File: VU037047.D

Acq: 04 Mar 2020 18:33

Tgt Ion: 97 Resp: 10236

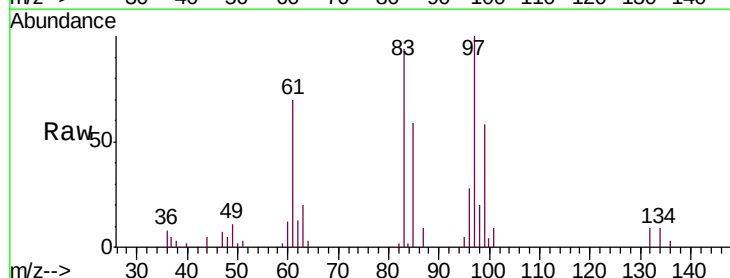
Ion Ratio Lower Upper

97 100

99 57.5 43.6 81.0

83 94.3 62.7 116.5

85 58.8 40.3 74.9

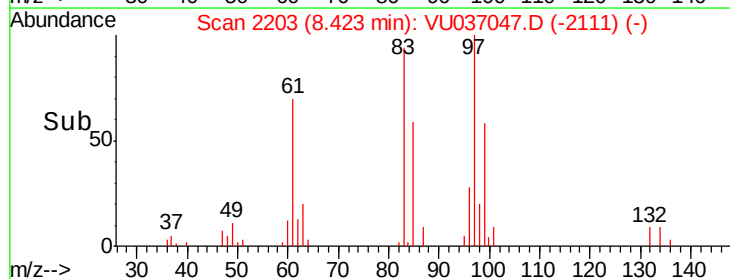
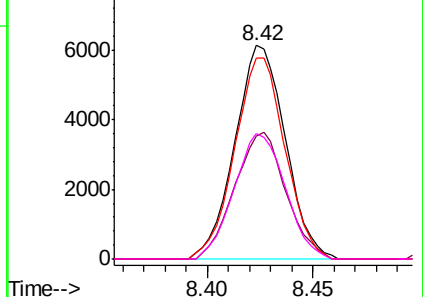


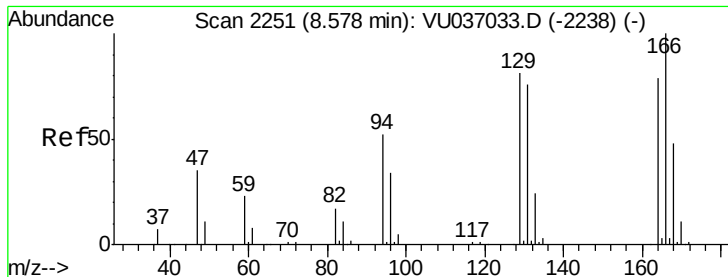
Abundance Ion 97.00 (96.70 to 97.70): VU037033.D (-2191) (-)

Ion 99.00 (98.70 to 99.70): VU037033.D (-2191) (-)

Ion 83.00 (82.70 to 83.70): VU037033.D (-2191) (-)

Ion 85.00 (84.70 to 85.70): VU037033.D (-2191) (-)

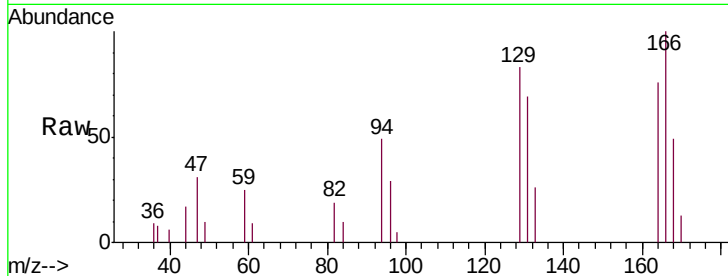




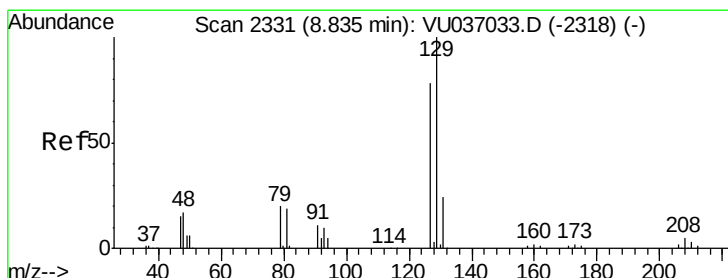
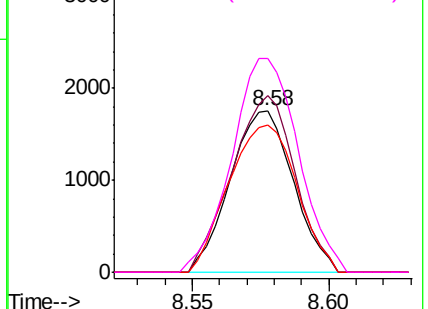
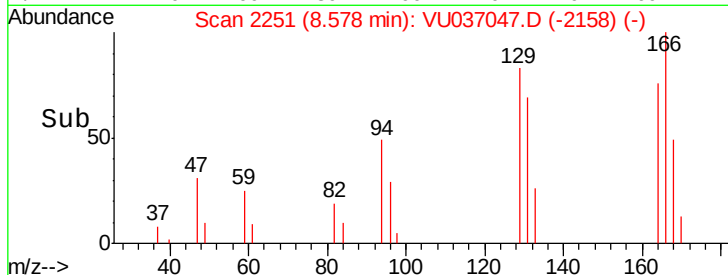
#46
Tetrachloroethene
Concen: 2.231 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.00 min
Lab File: VU037047.D
Acq: 04 Mar 2020 18:33

Instrument :
MSVOA_U
ClientSampleId :
C0AZ3

Tgt Ion:164 Resp: 2818
Ion Ratio Lower Upper
164 100
129 109.2 72.0 133.8
131 91.3 67.9 126.1
166 132.2 87.1 161.7

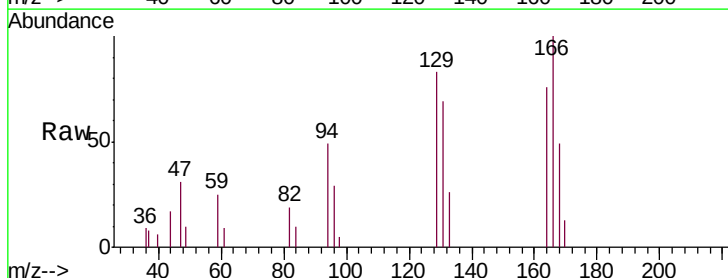


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

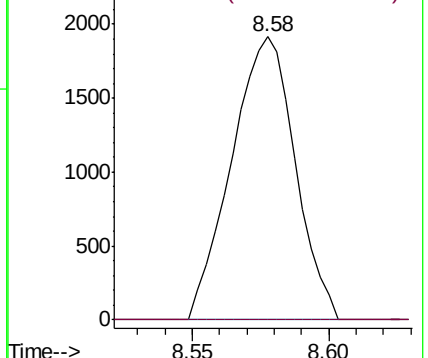
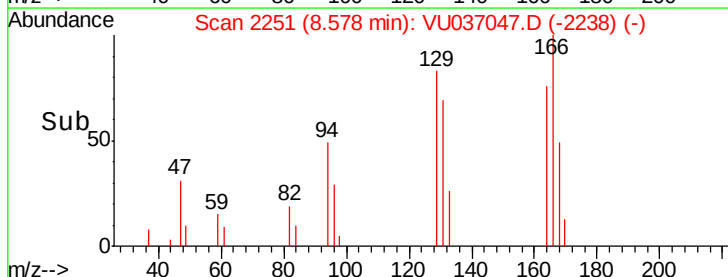


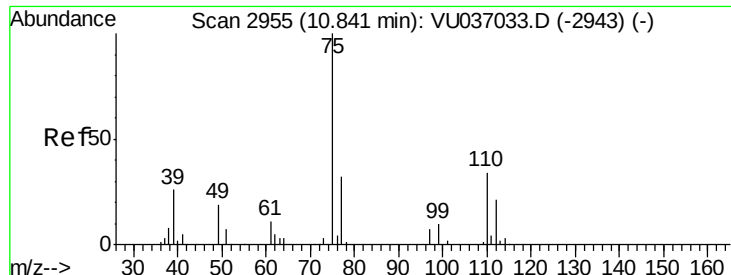
#49
Dibromochloromethane
Concen: 1.745 ug/L
RT: 8.58 min Scan# 2251
Delta R.T. -0.26 min
Lab File: VU037047.D
Acq: 04 Mar 2020 18:33

Tgt Ion:129 Resp: 3094
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





#59

1,2,3-Trichloropropane

Concen: 5.265 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037047.D

Acq: 04 Mar 2020 18:33

Instrument :

MSVOA_U

ClientSampleId :

C0AZ3

Tgt Ion: 75 Resp: 14230

Ion Ratio Lower Upper

75 100

77 35.5 26.2 39.2

