

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041720\
 Data File : VU037783.D
 Acq On : 17 Apr 2020 18:23
 Operator : JC/MD
 Sample : L2292-10DL 5X
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 18 03:57:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 01:19:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	248154	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	245425	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	126991	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	78360	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.89	69	69433	4.38	ug/L	-0.04
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.60%
11) 1,1-Dichloroethene-d2	2.58	63	101048	3.03	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.66	46	287418	55.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.46%
24) Chloroform-d	5.10	84	142603	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.74	65	85821	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.76	84	300242	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
36) 1,2-Dichloropropane-d6	6.72	67	104083	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.92	98	269136	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.20	79	43602	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.66	63	283437	57.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	92677	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	12.21	152	111380	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

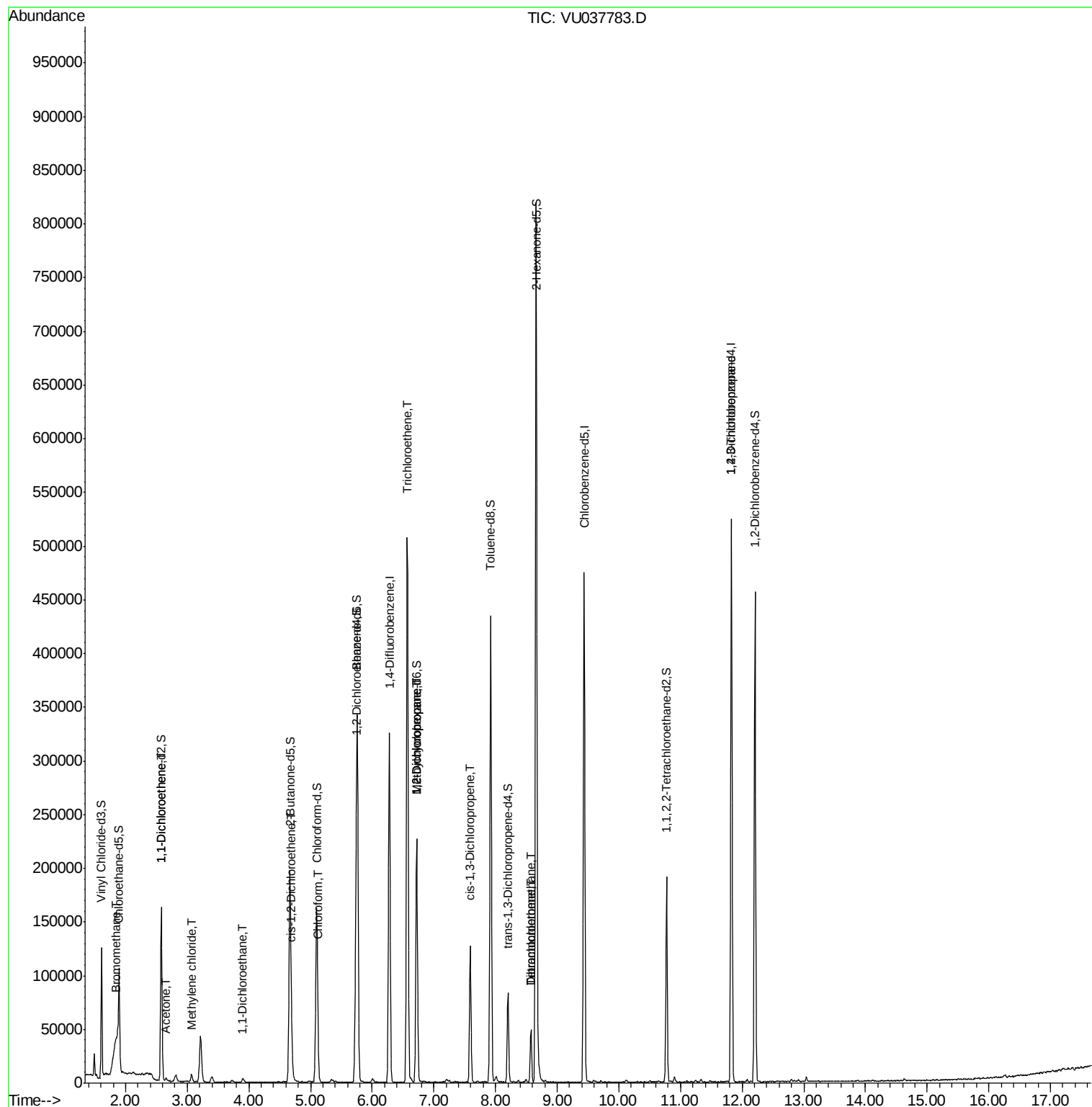
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
6) Bromomethane	1.84	94	1824	0.121	ug/L	94
12) 1,1-Dichloroethene	2.58	96	1168	0.068	ug/L #	1
13) Acetone	2.66	43	4018	1.182	ug/L	83
16) Methylene chloride	3.07	84	3208	0.166	ug/L	78
19) 1,1-Dichloroethane	3.90	63	3850	0.107	ug/L	97
22) cis-1,2-Dichloroethene	4.70	96	3585	0.179	ug/L	96
25) Chloroform	5.12	83	6468	0.190	ug/L	92
34) Trichloroethene	6.57	95	172716	8.667	ug/L	97
35) Methylcyclohexane	6.72	83	23228	0.665	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	11746	0.546	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3027	0.090	ug/L #	63
47) Tetrachloroethene	8.57	164	10161	0.710	ug/L	92
49) Dibromochloromethane	8.57	129	9706	0.586	ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	18484	1.313	ug/L	94

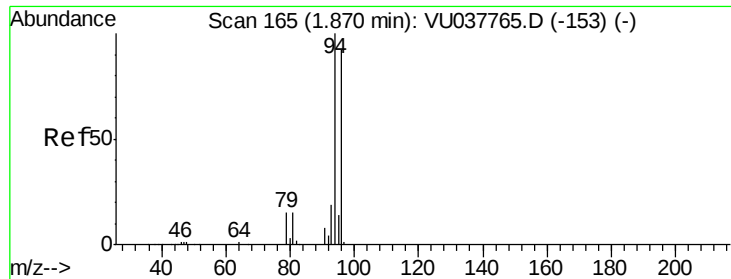
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 0.121 ug/L

RT: 1.84 min Scan# 157

Delta R.T. -0.03 min

Lab File: VU037783.D

Acq: 17 Apr 2020 18:23

Instrument :

MSVOA_U

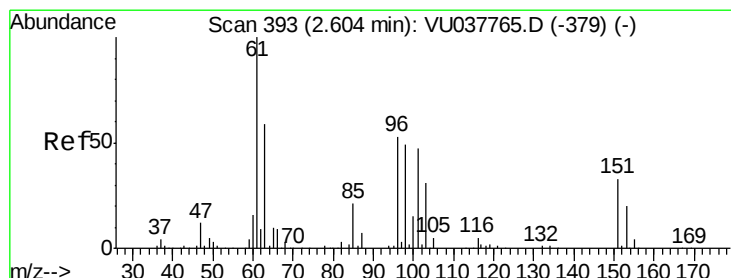
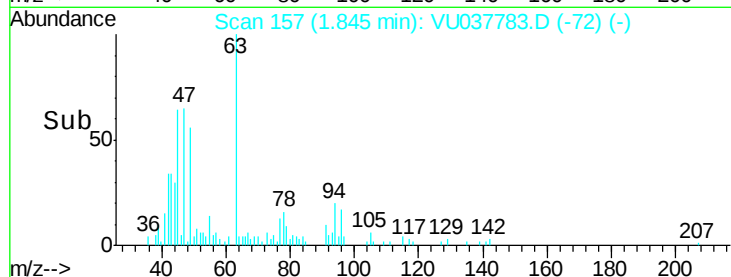
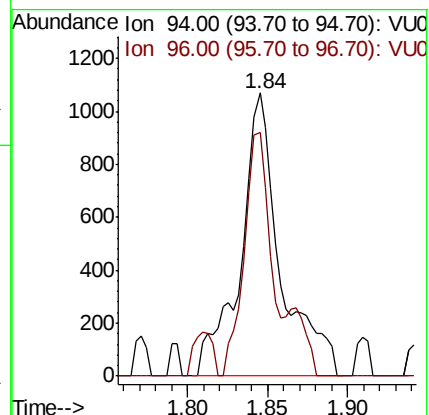
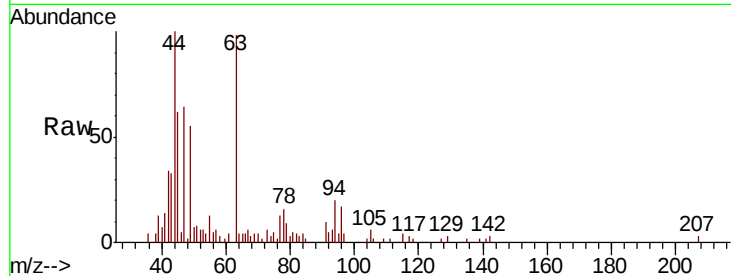
ClientSampleId :

Tot Ion: 94 Resp: 1824

Ion Ratio Lower Upper

94 100

96 86.2 64.4 119.6



#12

1,1-Dichloroethene

Concen: 0.068 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.02 min

Lab File: VU037783.D

Acq: 17 Apr 2020 18:23

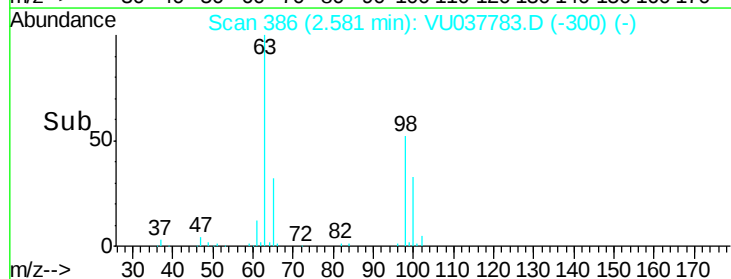
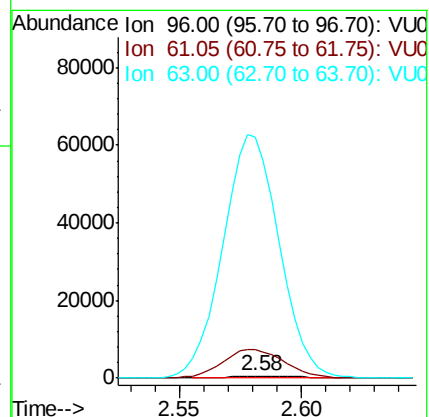
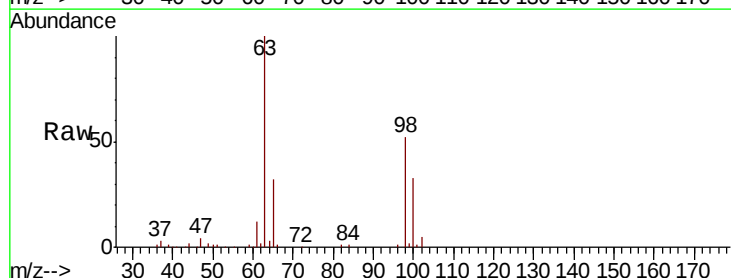
Tgt Ion: 96 Resp: 1168

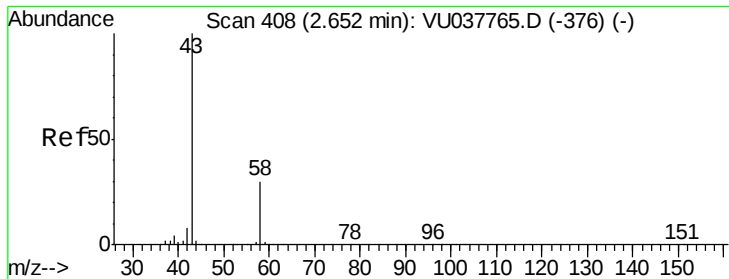
Ion Ratio Lower Upper

96 100

61 1214.1 127.7 237.3#

63 10354.7 85.0 157.8#





#13

Acetone

Concen: 1.182 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.01 min

Lab File: VU037783.D

Acq: 17 Apr 2020 18:23

Instrument :

MSVOA_U

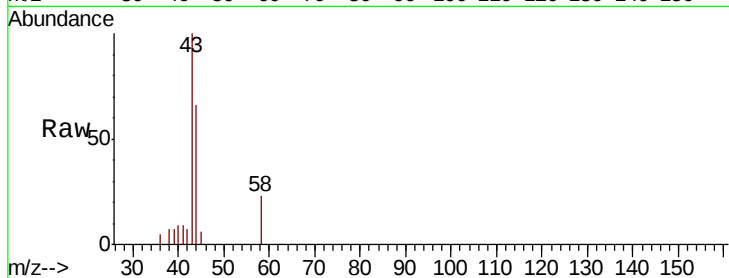
ClientSampleId :

Tot Ion: 43 Resp: 4018

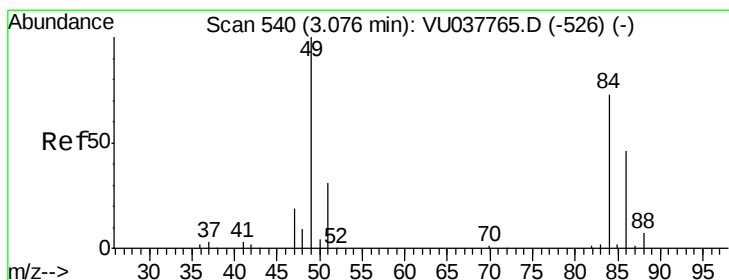
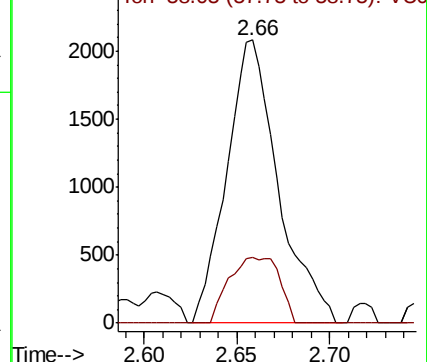
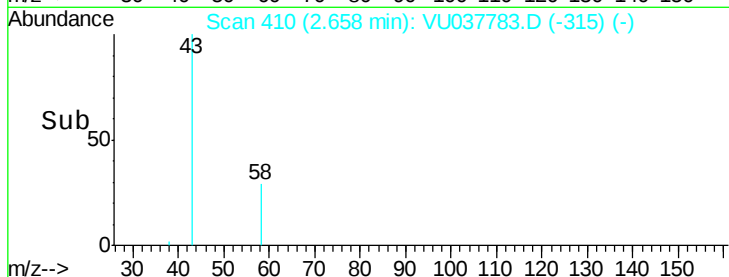
Ion Ratio Lower Upper

43 100

58 22.6 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037783.D (-315) (-)



#16

Methylene chloride

Concen: 0.166 ug/L

RT: 3.07 min Scan# 537

Delta R.T. -0.01 min

Lab File: VU037783.D

Acq: 17 Apr 2020 18:23

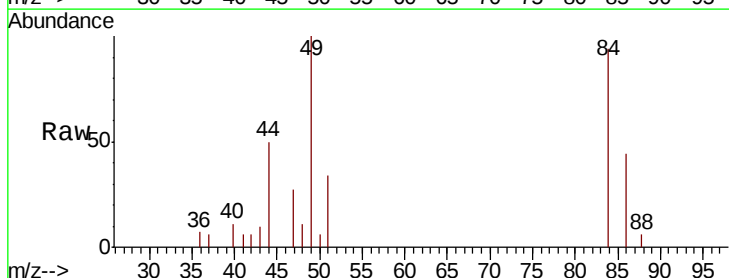
Tgt Ion: 84 Resp: 3208

Ion Ratio Lower Upper

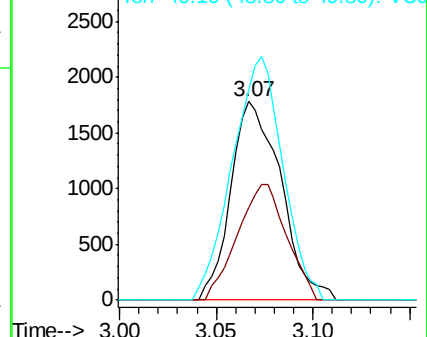
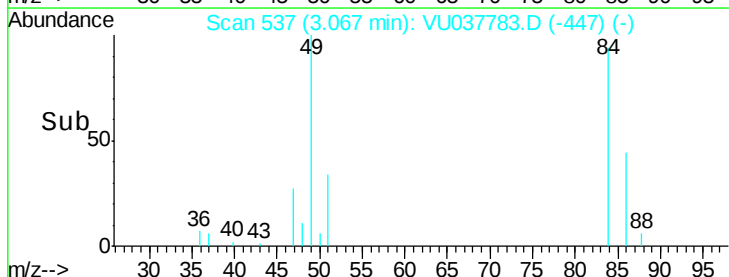
84 100

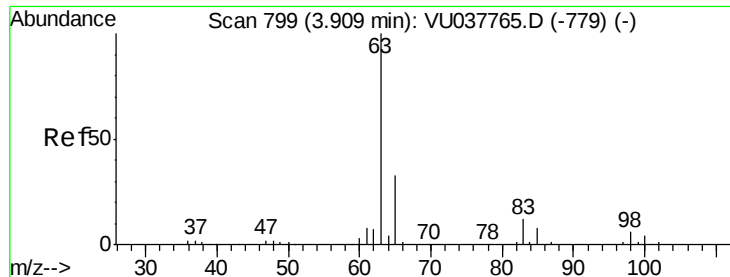
86 46.5 44.2 82.0

49 105.8 92.4 171.6



Abundance Ion 84.05 (83.75 to 84.75): VU037783.D (-447) (-)

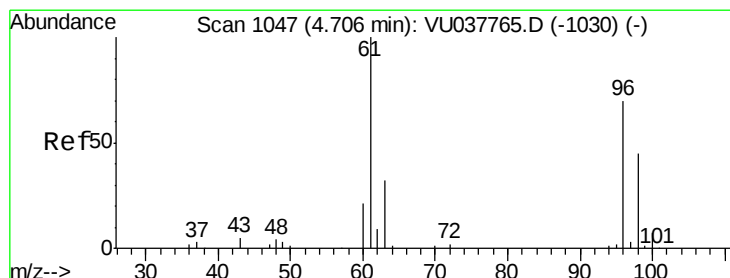
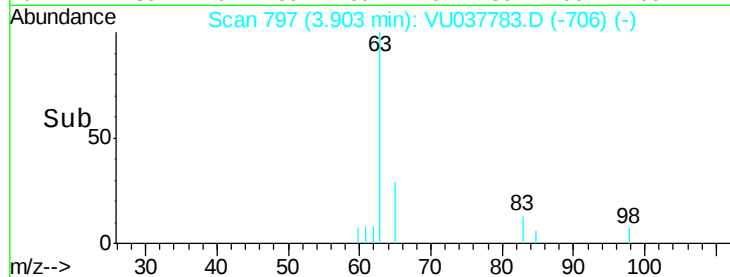
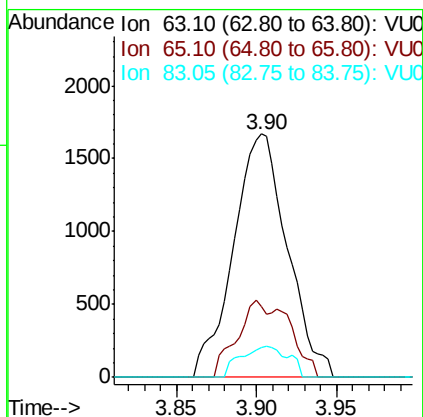
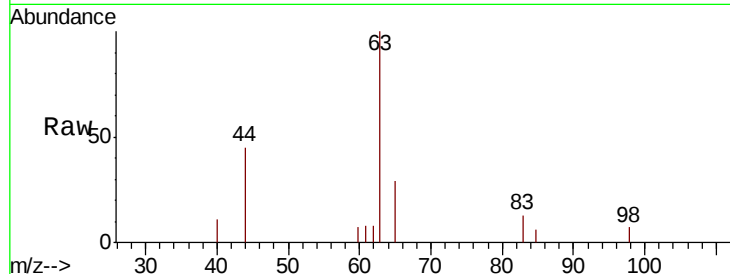




#19
 1,1-Dichloroethane
 Concen: 0.107 ug/L
 RT: 3.90 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: VU037783.D
 Acq: 17 Apr 2020 18:23

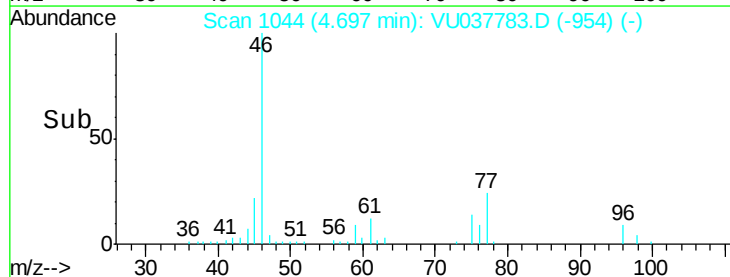
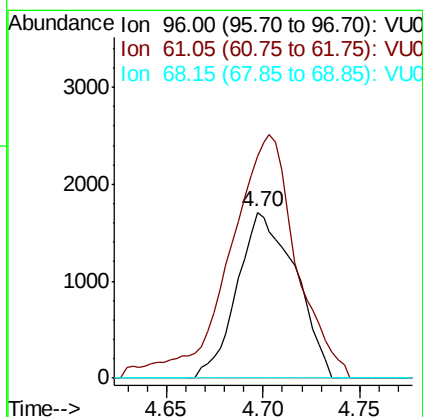
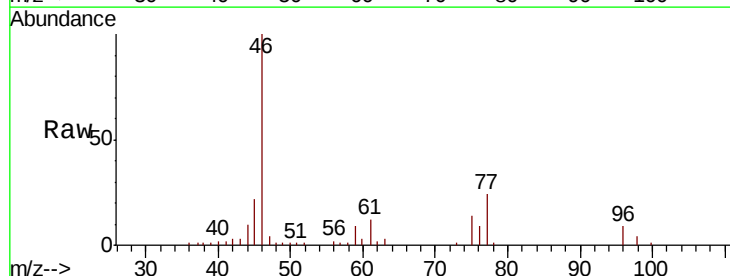
Instrument :
 MSVOA_U
 ClientSampled :

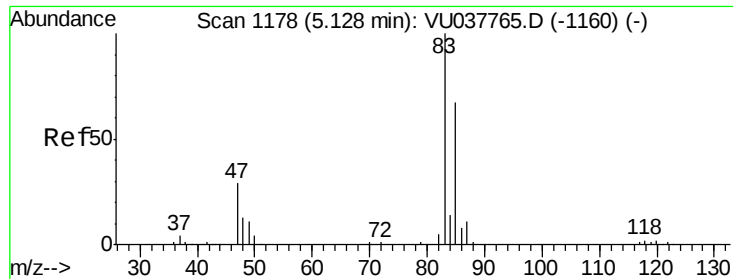
Tot Ion: 63 Resp: 3850
 Ion Ratio Lower Upper
 63 100
 65 28.9 21.6 40.2
 83 12.5 8.6 16.0



#22
 cis-1,2-Dichloroethene
 Concen: 0.179 ug/L
 RT: 4.70 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: VU037783.D
 Acq: 17 Apr 2020 18:23

Tgt Ion: 96 Resp: 3585
 Ion Ratio Lower Upper
 96 100
 61 133.4 97.0 180.2
 68 0.0 0.0 0.0

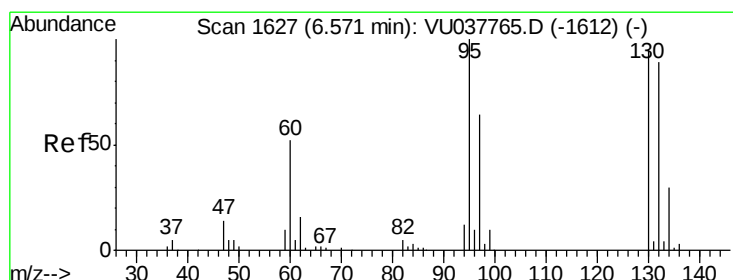
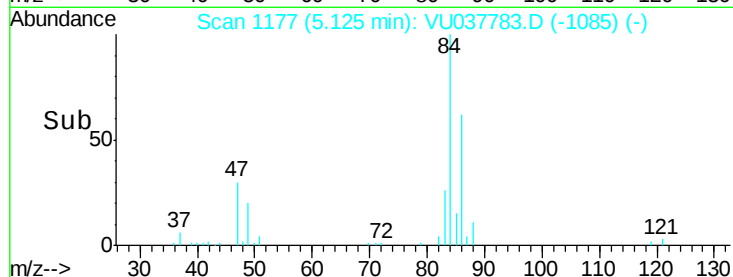
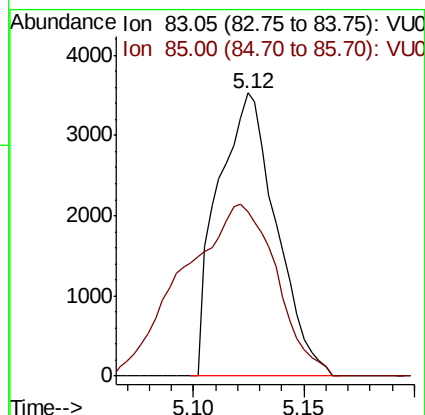
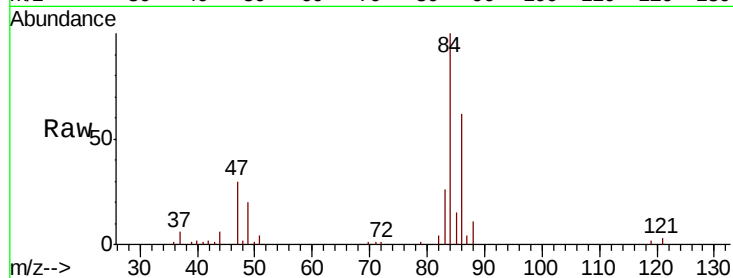




#25
Chloroform
Concen: 0.190 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU037783.D
Acq: 17 Apr 2020 18:23

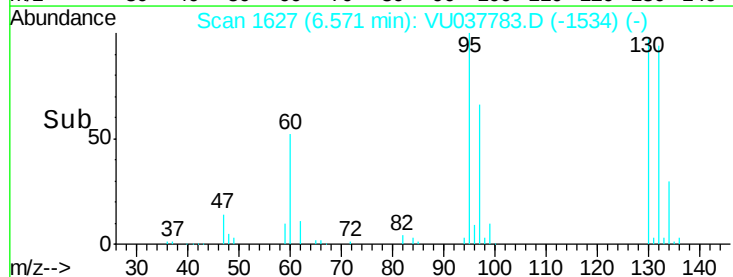
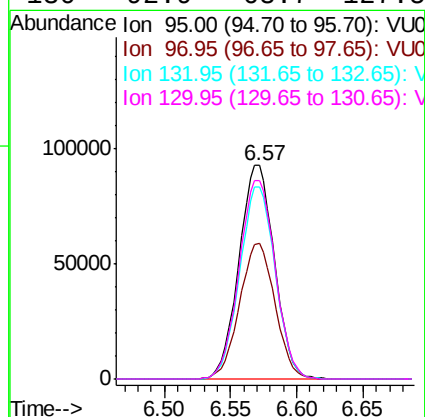
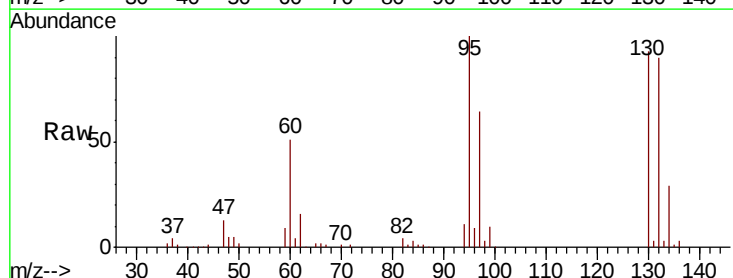
Instrument :
MSVOA_U
ClientSampleId :

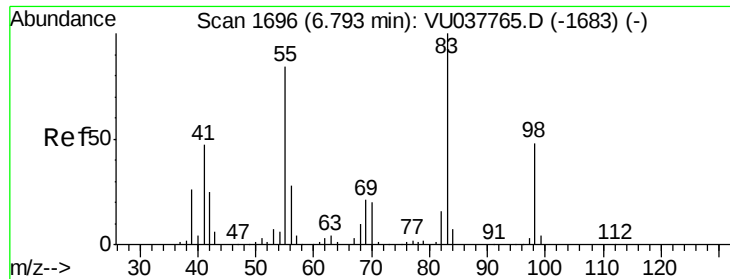
Tot Ion: 83 Resp: 6468
Ion Ratio Lower Upper
83 100
85 58.1 44.9 83.3



#34
Trichloroethene
Concen: 8.667 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VU037783.D
Acq: 17 Apr 2020 18:23

Tgt Ion: 95 Resp: 172716
Ion Ratio Lower Upper
95 100
97 63.5 45.4 84.2
132 90.2 63.7 118.3
130 92.9 68.7 127.5

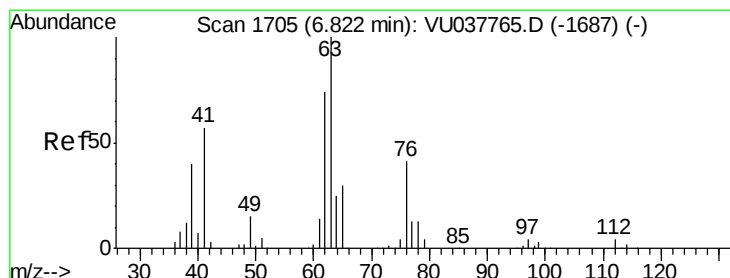
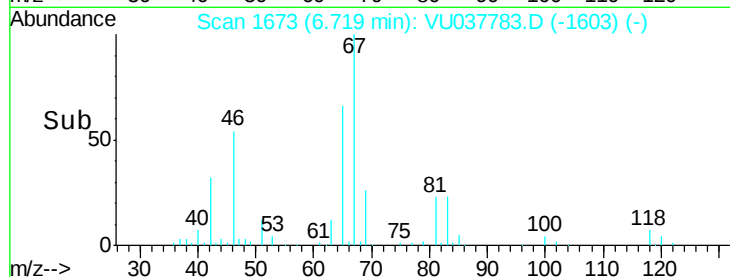
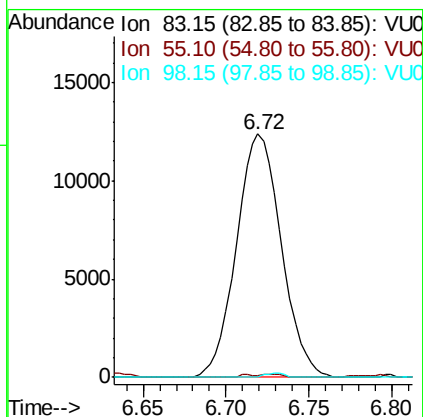
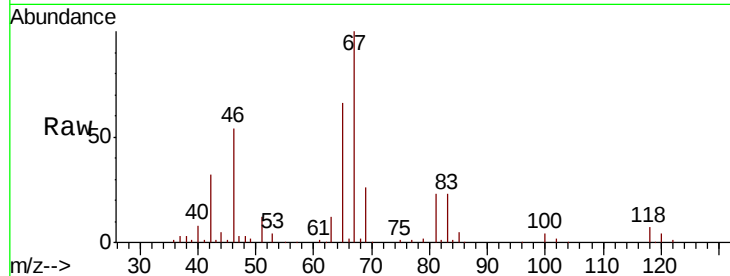




#35
Methylcyclohexane
Concen: 0.665 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU037783.D
Acq: 17 Apr 2020 18:23

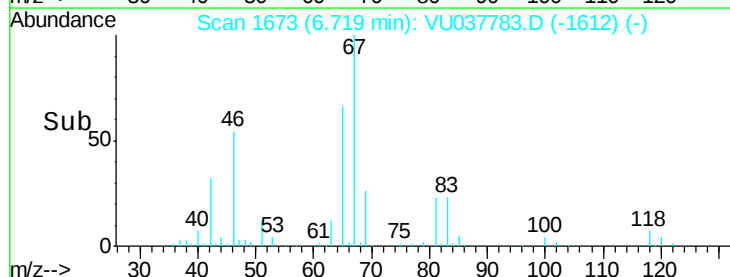
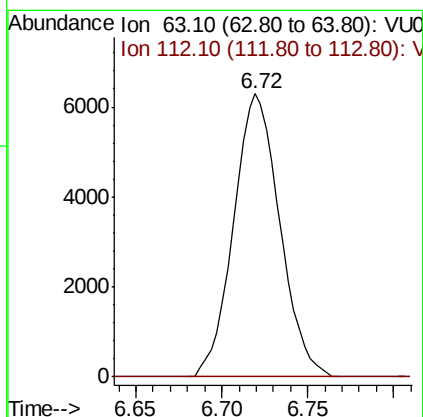
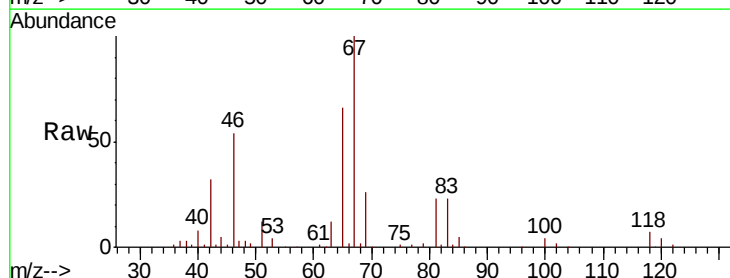
Instrument :
MSVOA_U
ClientSampleId :

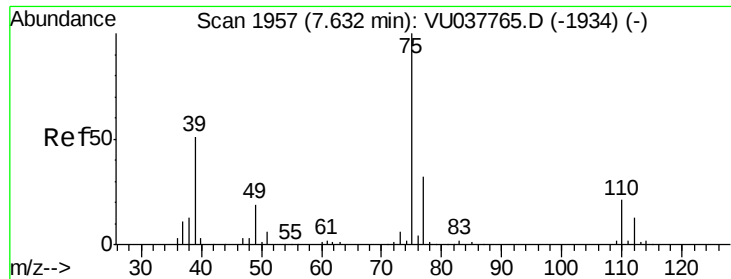
Tot Ion: 83 Resp: 23228
Ion Ratio Lower Upper
83 100
55 0.4 65.5 98.3#
98 0.0 38.2 57.4#



#37
1,2-Dichloropropane
Concen: 0.546 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU037783.D
Acq: 17 Apr 2020 18:23

Tgt Ion: 63 Resp: 11746
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

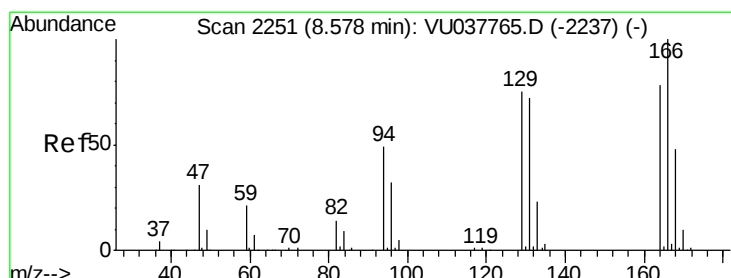
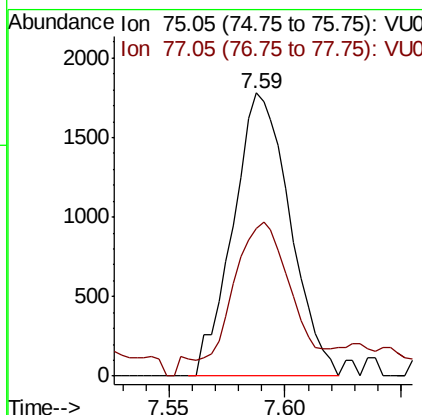
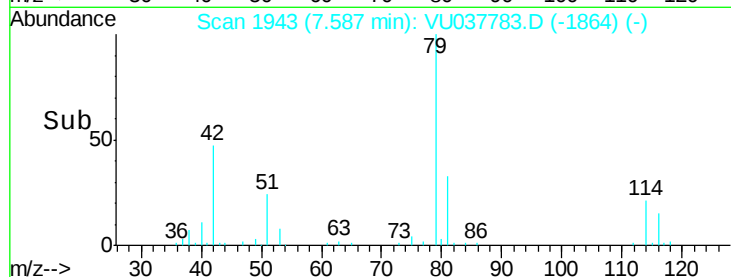
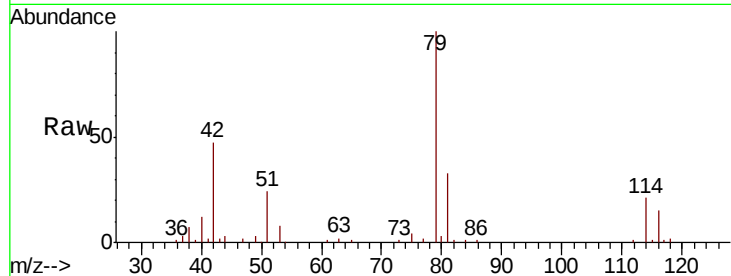




#39
 cis-1,3-Dichloropropene
 Concen: 0.090 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.04 min
 Lab File: VU037783.D
 Acq: 17 Apr 2020 18:23

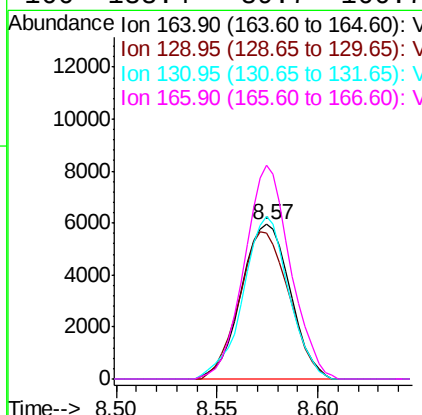
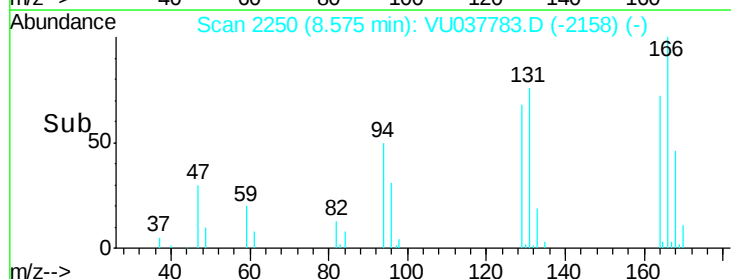
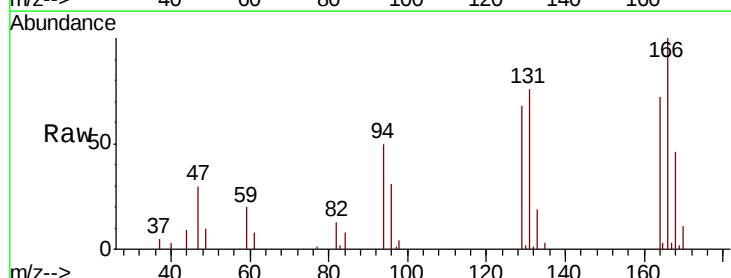
Instrument :
 MSVOA_U
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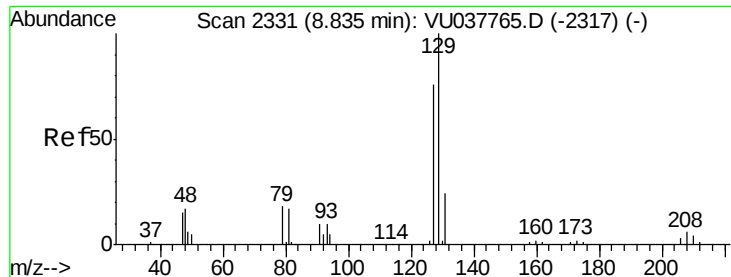
Tot Ion: 75 Resp: 3027
 Ion Ratio Lower Upper
 75 100
 77 52.2 22.2 41.2#



#47
 Tetrachloroethene
 Concen: 0.710 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037783.D
 Acq: 17 Apr 2020 18:23

Tgt Ion: 164 Resp: 10161
 Ion Ratio Lower Upper
 164 100
 129 94.3 68.1 126.5
 131 105.4 65.9 122.5
 166 138.4 89.7 166.7





#49

Dibromochloromethane

Concen: 0.586 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU037783.D

Acq: 17 Apr 2020 18:23

Instrument :

MSVOA_U

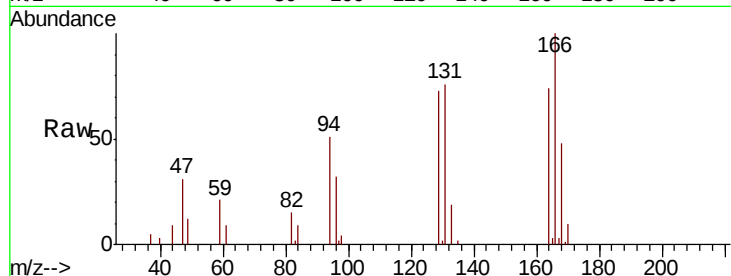
ClientSampled :

Tot Ion:129 Resp: 9706

Ion Ratio Lower Upper

129 100

127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

6000

5000

4000

3000

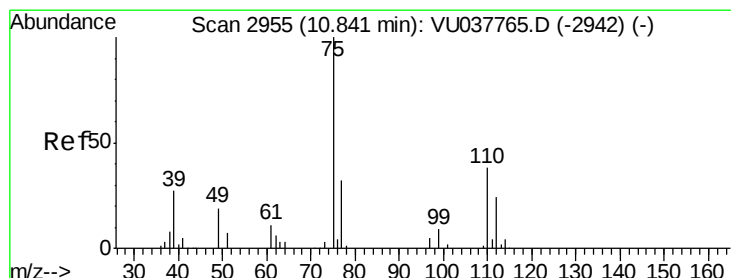
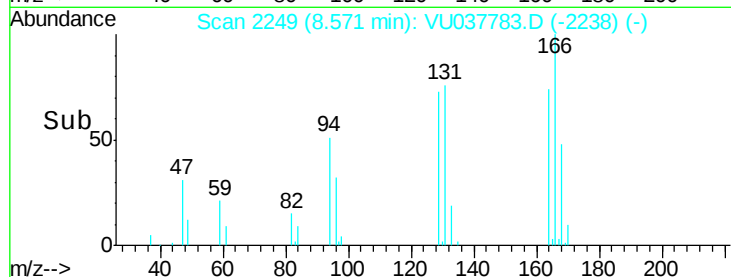
2000

1000

0

8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.313 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU037783.D

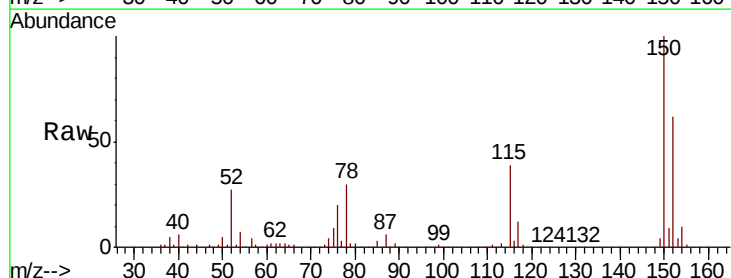
Acq: 17 Apr 2020 18:23

Tgt Ion: 75 Resp: 18484

Ion Ratio Lower Upper

75 100

77 35.1 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

10000

5000

0

11.75 11.80 11.85

Time-->

