

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041520\
 Data File : VU037725.D
 Acq On : 15 Apr 2020 11:47
 Operator : JC/MD
 Sample : L2275-16DL 5X
 Misc : 25mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 16 01:25:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR041420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 01:23:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	264632	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256325	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	124752	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	94515	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.93	69	82082	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.59	63	124426	3.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.00%
20) 2-Butanone-d5	4.66	46	296672	53.95	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.90%
24) Chloroform-d	5.10	84	155970	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.74	65	94831	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.76	84	333335	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.72	67	110971	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.92	98	301675	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	8.20	79	48934	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.66	63	266855	51.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.98%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	87509	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	108738	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

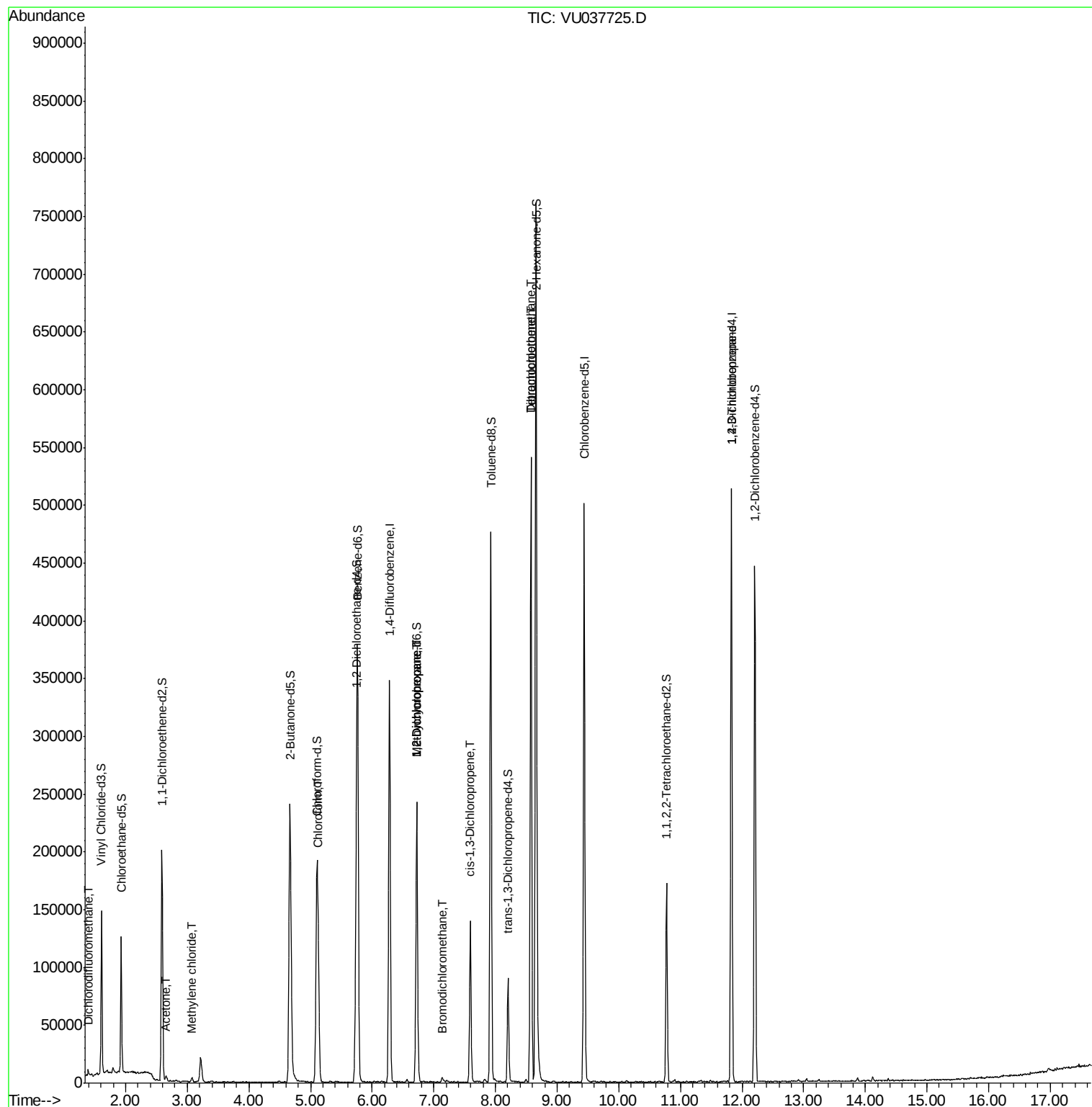
					Ovalue
2) Dichlorodifluoromethane	1.39	85	2560	0.112 ug/L	99
13) Acetone	2.66	43	5153	1.421 ug/L	97
16) Methylene chloride	3.07	84	1755	0.085 ug/L #	84
25) Chloroform	5.13	83	75790	2.083 ug/L	97
35) Methylcyclohexane	6.72	83	24677	0.677 ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12520	0.557 ug/L #	87
38) Bromodichloromethane	7.13	83	2609	0.098 ug/L	97
39) cis-1,3-Dichloropropene	7.59	75	3233	0.092 ug/L #	54
47) Tetrachloroethene	8.58	164	113230	7.571 ug/L	100
49) Dibromochloromethane	8.57	129	109815	6.349 ug/L #	11
59) 1,2,3-Trichloropropane	11.83	75	17848	1.214 ug/L #	88

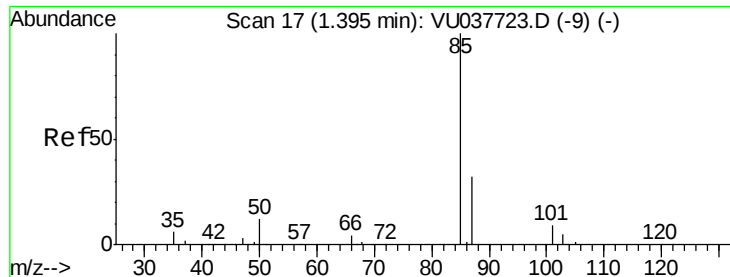
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.112 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU037725.D

Acq: 15 Apr 2020 11:47

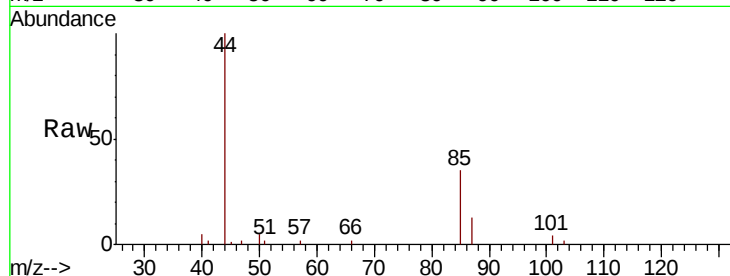
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 2560

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU037725.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU037725.D (-9) (-)

1.39

2500

2000

1500

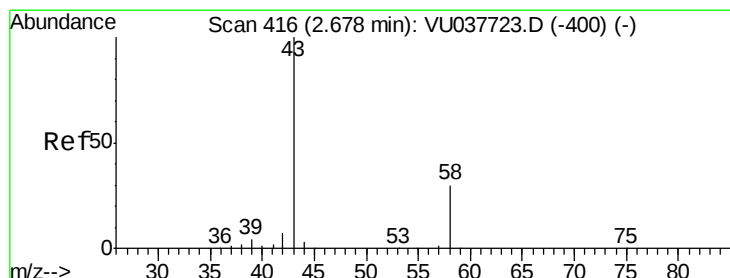
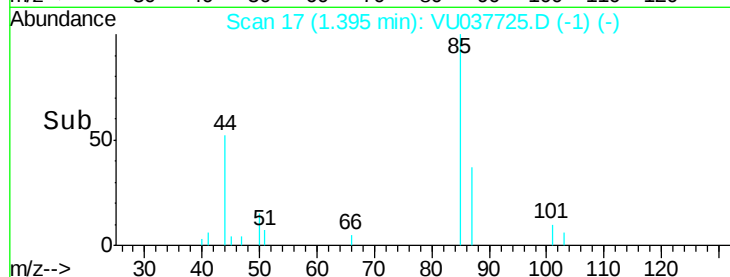
1000

500

0

1.36 1.38 1.40 1.42

Time-->



#13

Acetone

Concen: 1.421 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.02 min

Lab File: VU037725.D

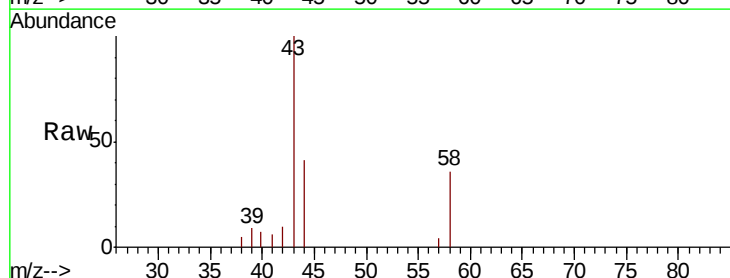
Acq: 15 Apr 2020 11:47

Tgt Ion: 43 Resp: 5153

Ion Ratio Lower Upper

43 100

58 30.5 0.0 64.8



Abundance Ion 43.05 (42.75 to 43.75): VU037725.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU037725.D (-400) (-)

2.66

3000

2500

2000

1500

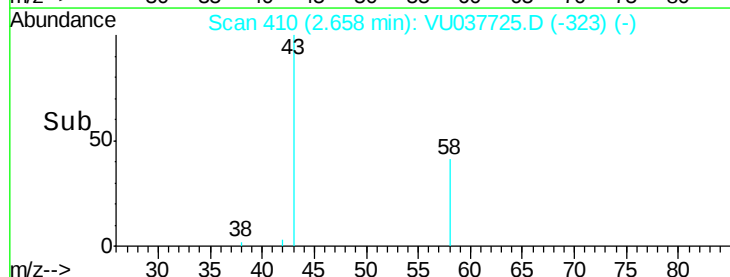
1000

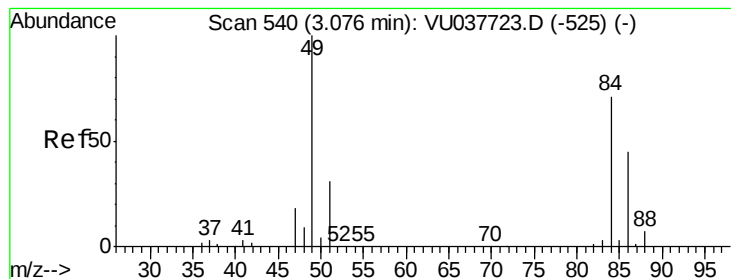
500

0

2.60 2.65 2.70

Time-->





#16

Methylene chloride

Concen: 0.085 ug/L

RT: 3.07 min Scan# 538

Delta R.T. -0.01 min

Lab File: VU037725.D

Acq: 15 Apr 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

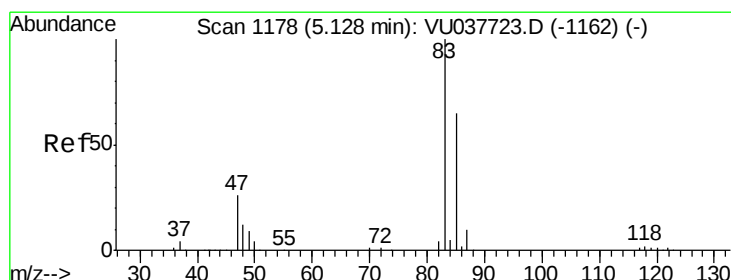
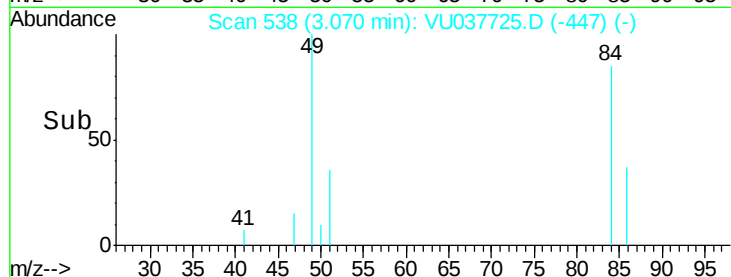
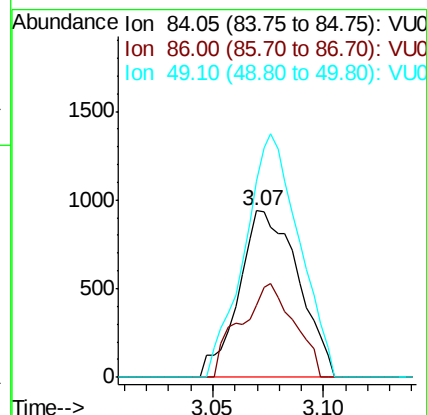
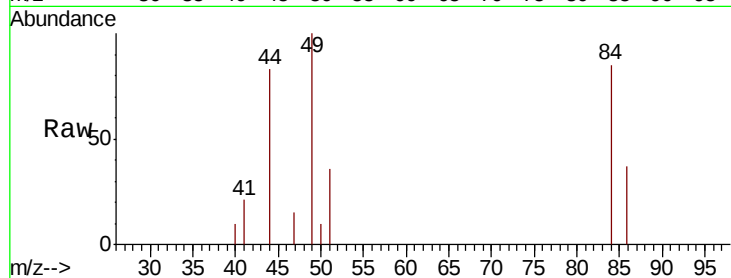
Tot Ion: 84 Resp: 1755

Ion Ratio Lower Upper

84 100

86 43.6 44.2 82.0#

49 118.2 92.4 171.6



#25

Chloroform

Concen: 2.083 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VU037725.D

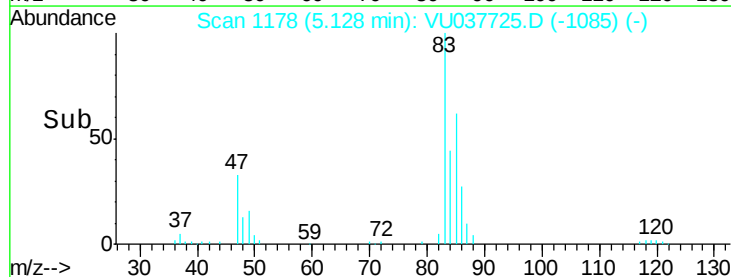
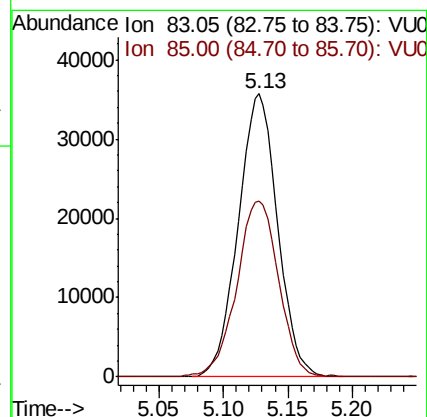
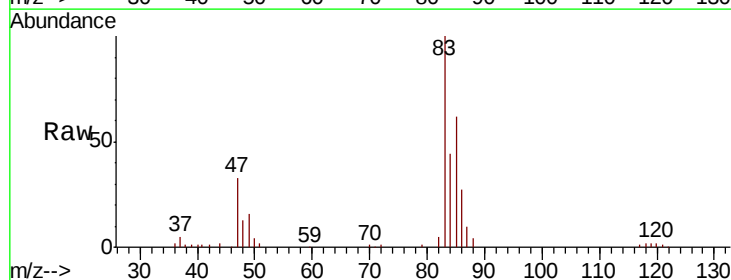
Acq: 15 Apr 2020 11:47

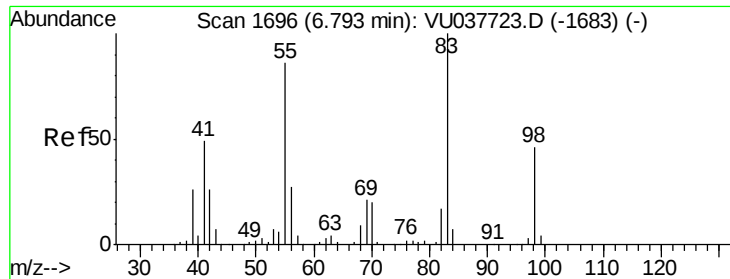
Tgt Ion: 83 Resp: 75790

Ion Ratio Lower Upper

83 100

85 62.1 44.9 83.3

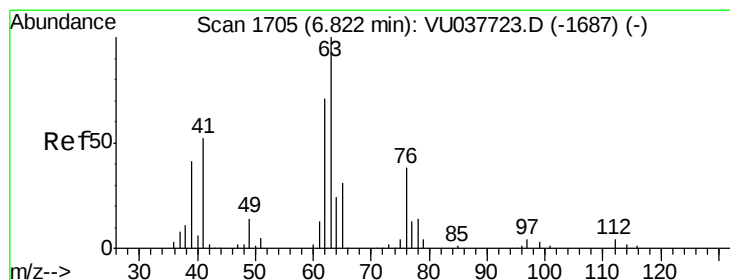
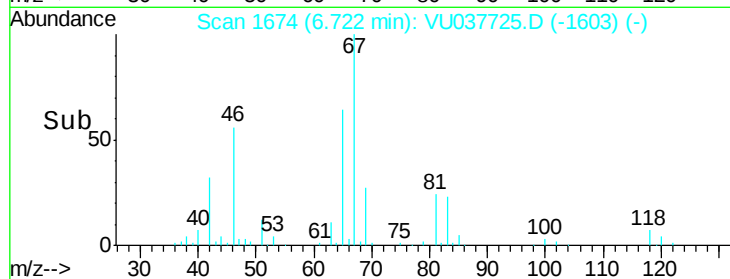
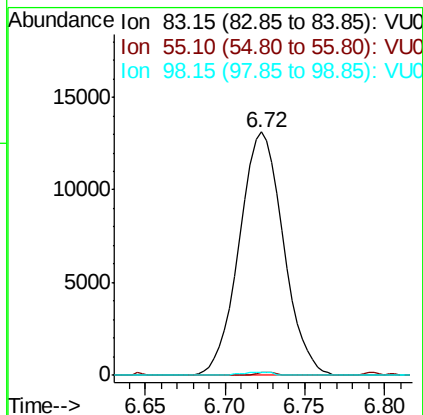
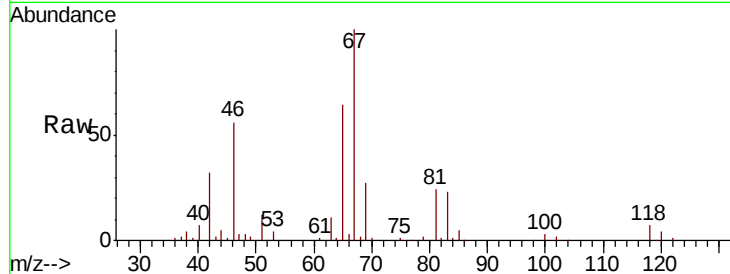




#35
Methvlcvclohexane
Concen: 0.677 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU037725.D
Acq: 15 Apr 2020 11:47

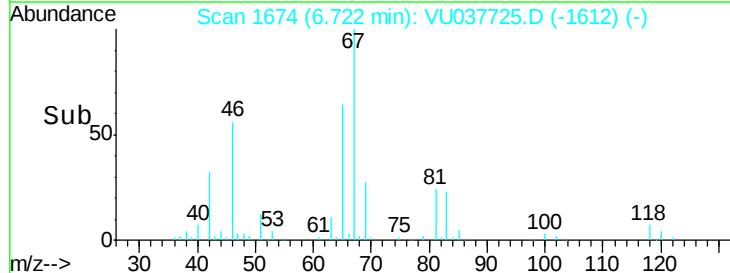
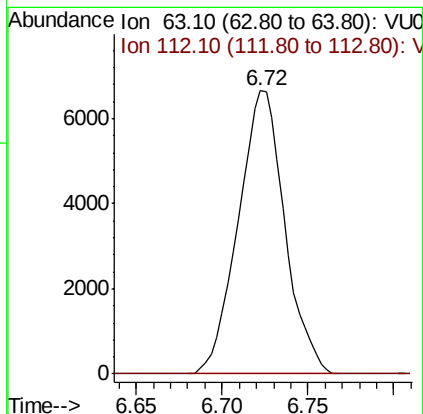
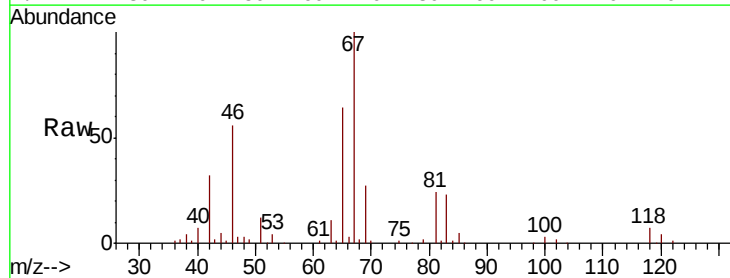
Instrument :
MSVOA_U
ClientSampleId :

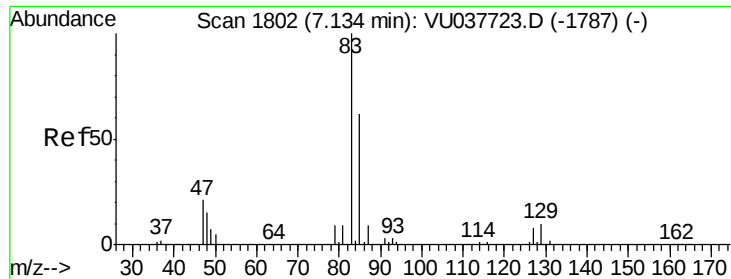
Tot Ion: 83 Resp: 24677
Ion Ratio Lower Upper
83 100
55 0.5 65.5 98.3#
98 0.9 38.2 57.4#



#37
1,2-Dichloropropane
Concen: 0.557 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU037725.D
Acq: 15 Apr 2020 11:47

Tgt Ion: 63 Resp: 12520
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#





#38

Bromodichloromethane

Concen: 0.098 ug/L

RT: 7.13 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VU037725.D

Acq: 15 Apr 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

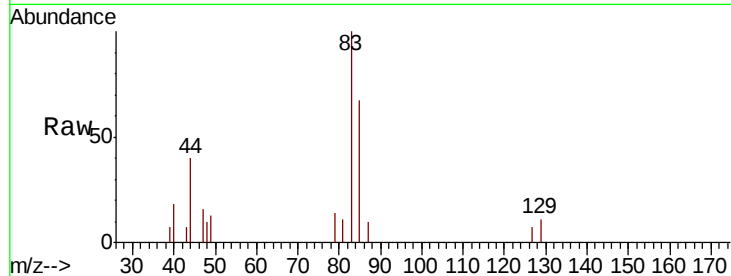
Tot Ion: 83 Resp: 2609

Ion Ratio Lower Upper

83 100

85 67.1 45.1 83.7

127 7.0 6.6 9.8

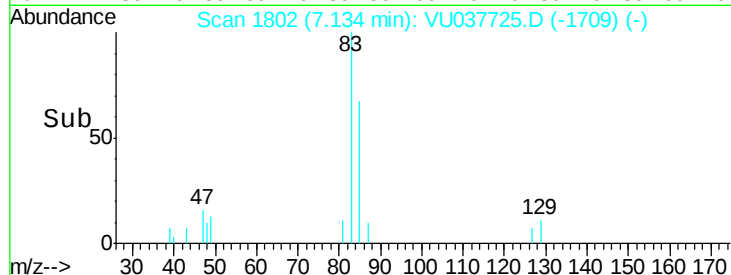


Abundance Ion 82.95 (82.65 to 83.65): VU037725.D (-1787) (-)

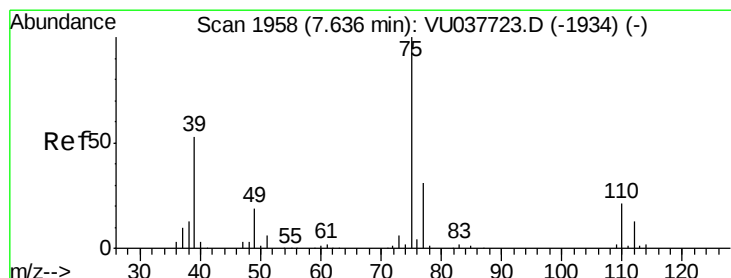
Ion 85.00 (84.70 to 85.70): VU037725.D (-1787) (-)

Ion 126.90 (126.60 to 127.60): VU037725.D (-1787) (-)

Time-->



Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037725.D

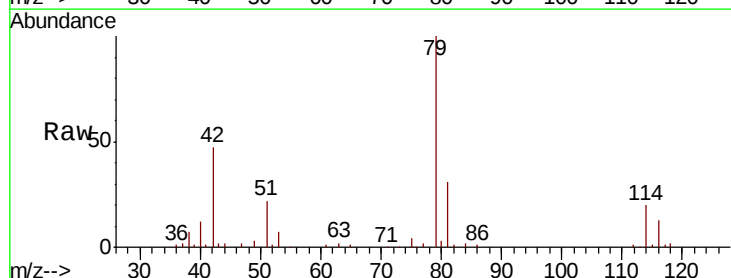
Acq: 15 Apr 2020 11:47

Tgt Ion: 75 Resp: 3233

Ion Ratio Lower Upper

75 100

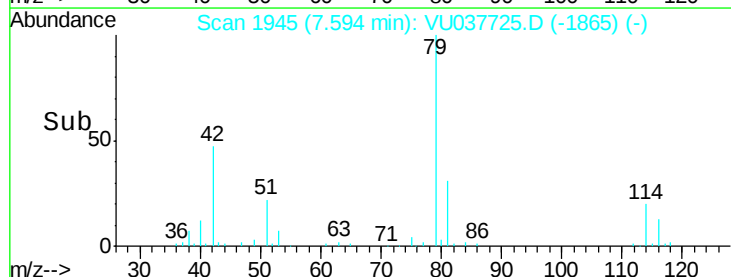
77 57.3 22.2 41.2#



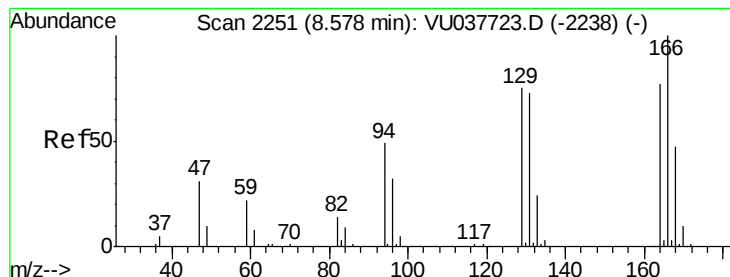
Abundance Ion 75.05 (74.75 to 75.75): VU037725.D (-1865) (-)

Ion 77.05 (76.75 to 77.75): VU037725.D (-1865) (-)

Time-->



Time-->



#47

Tetrachloroethene

Concen: 7.571 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VU037725.D

Acq: 15 Apr 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 113230

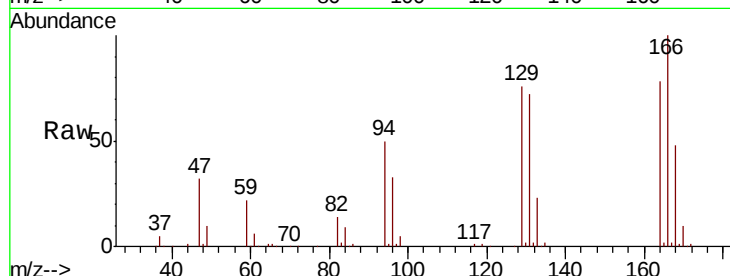
Ion Ratio Lower Upper

164 100

129 97.3 68.1 126.5

131 92.7 65.9 122.5

166 128.3 89.7 166.7

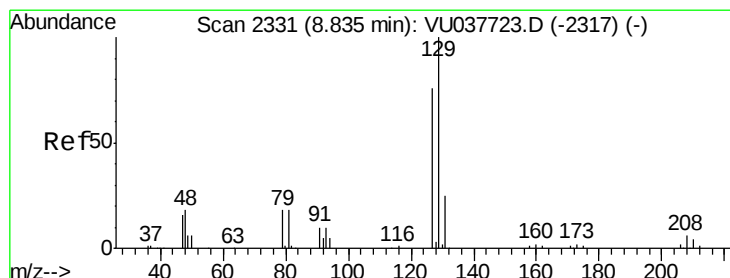
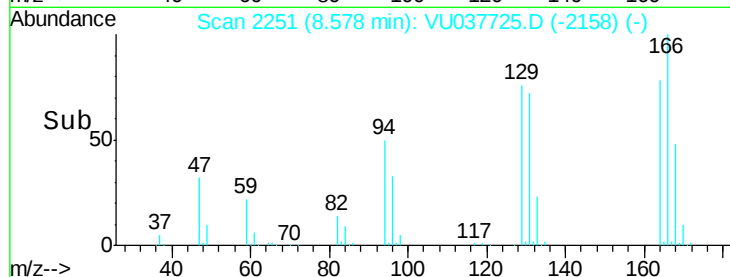
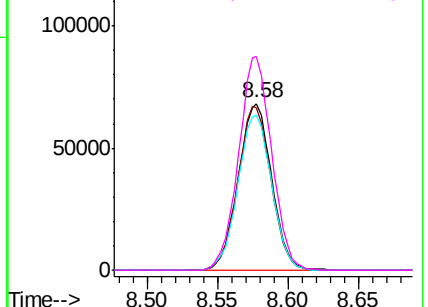


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 6.349 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU037725.D

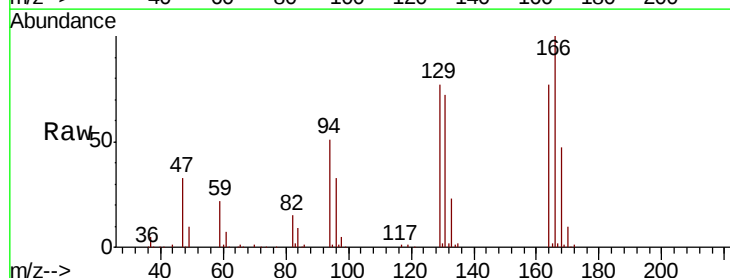
Acq: 15 Apr 2020 11:47

Tgt Ion:129 Resp: 109815

Ion Ratio Lower Upper

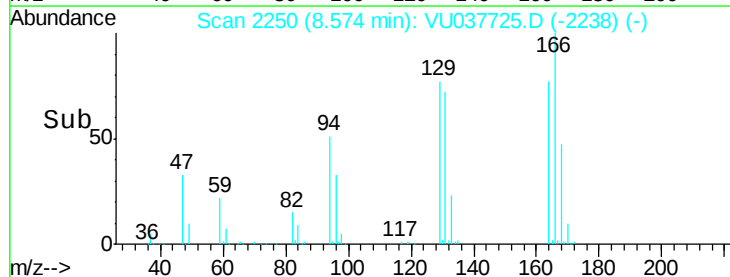
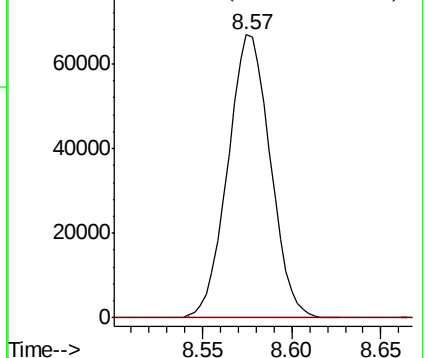
129 100

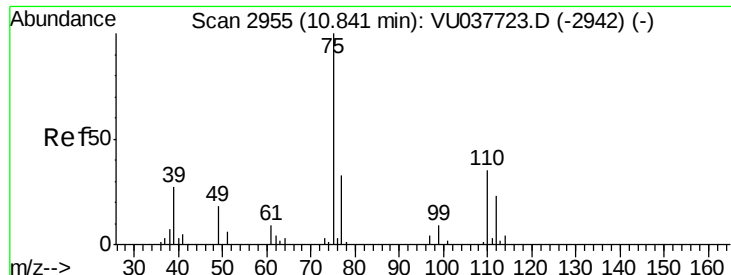
127 0.0 53.3 98.9#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.214 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037725.D

Acq: 15 Apr 2020 11:47

Instrument :

MSVOA_U

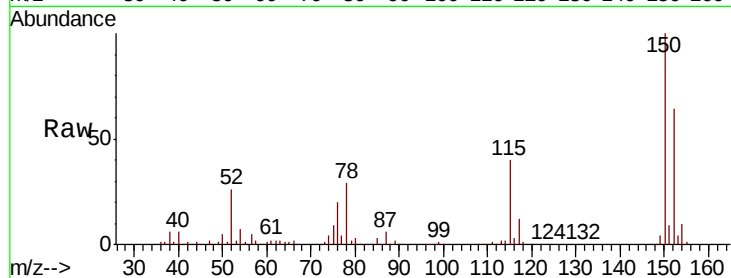
ClientSampleId :

Tot Ion: 75 Resp: 17848

Ion Ratio Lower Upper

75 100

77 38.4 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

