

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040720\
 Data File : VU037600.D
 Acq On : 07 Apr 2020 11:24
 Operator : JC/MD
 Sample : L2173-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS71

Quant Time: Apr 08 02:27:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 08 02:25:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	165123	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	150942	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	69790	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	63581	47.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.82%
7) Chloroethane-d5	1.93	69	51422	47.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.44%
11) 1,1-Dichloroethene-d2	2.59	63	85770	38.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.10%
21) 2-Butanone-d5	4.66	46	97577	96.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.81%
24) Chloroform-d	5.11	84	104697	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.68%
26) 1,2-Dichloroethane-d4	5.74	65	68909	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
32) Benzene-d6	5.76	84	224094	51.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.48%
36) 1,2-Dichloropropane-d6	6.73	67	74608	50.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.36%
41) Toluene-d8	7.92	98	203151	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%
43) trans-1,3-Dichloropropene-	8.20	79	38501	48.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.34%
47) 2-Hexanone-d5	8.66	63	74559	95.59	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.59%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	101930	48.43	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.86%
64) 1,2-Dichlorobenzene-d4	12.21	152	73961	51.93	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.86%

Target Compounds

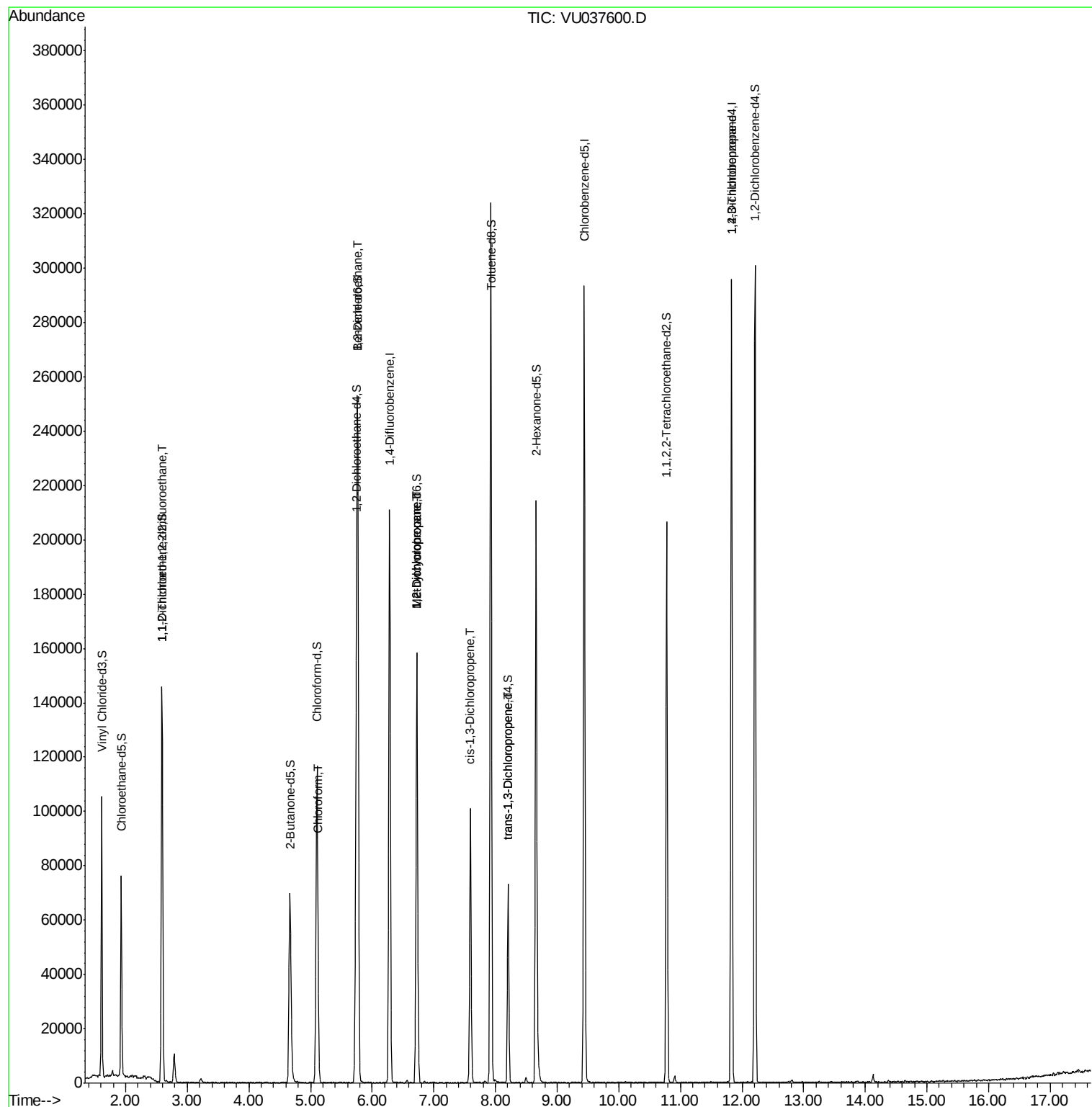
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	765	0.841	ug/L #	22
25) Chloroform	5.13	83	3695	1.902	ug/L	96
27) 1,2-Dichloroethane	5.76	62	1252	0.835	ug/L #	75
35) Methylcyclohexane	6.72	83	16203	10.140	ug/L #	19
37) 1,2-Dichloropropane	6.72	63	8179	7.258	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2546	1.447	ug/L #	72
44) trans-1,3-Dichloropropene	8.20	75	1980	1.142	ug/L #	77
59) 1,2,3-Trichloropropane	11.83	75	10867	7.501	ug/L	98

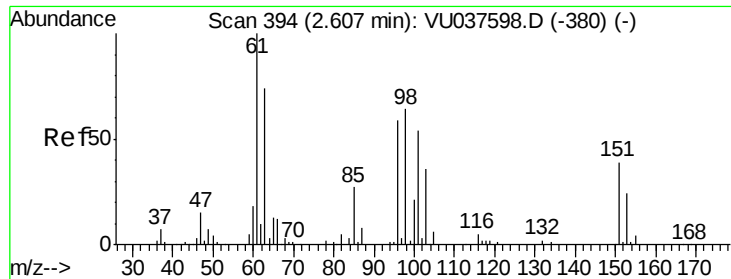
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 08 02:25:30 2020
Response via : Initial Calibration





#10

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

Concen: 0.841 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037600.D

Acq: 07 Apr 2020 11:24

Instrument :

MSVOA_U

ClientSampled :

BFS71

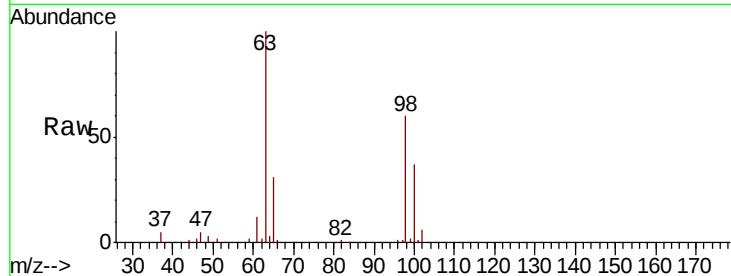
Tot Ion:101 Resp: 765

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

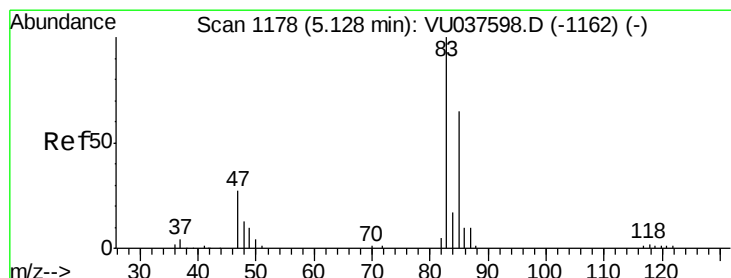
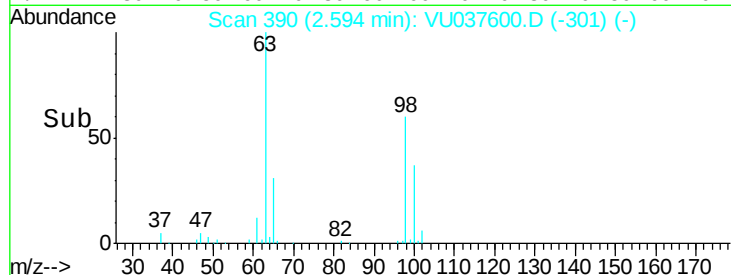
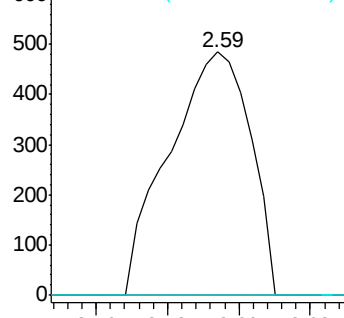
151 0.0 55.3 82.9#



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



#25

Chloroform

Concen: 1.902 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU037600.D

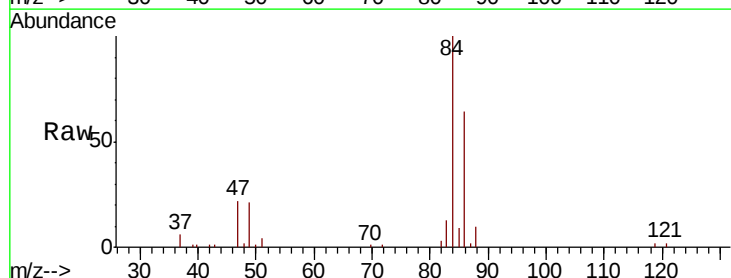
Acq: 07 Apr 2020 11:24

Tgt Ion: 83 Resp: 3695

Ion Ratio Lower Upper

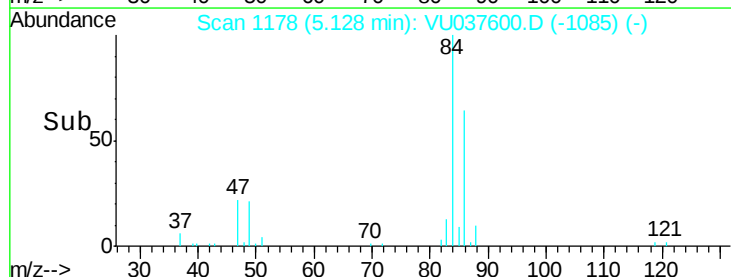
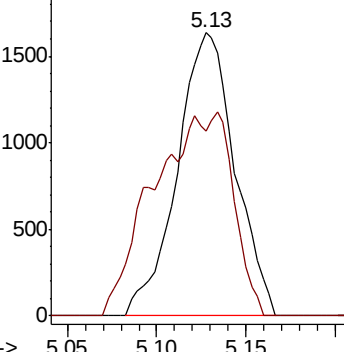
83 100

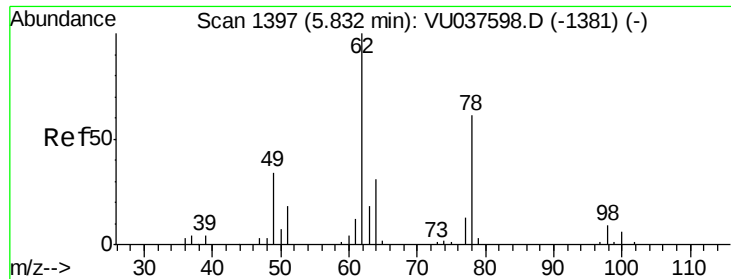
85 65.2 43.7 81.1



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

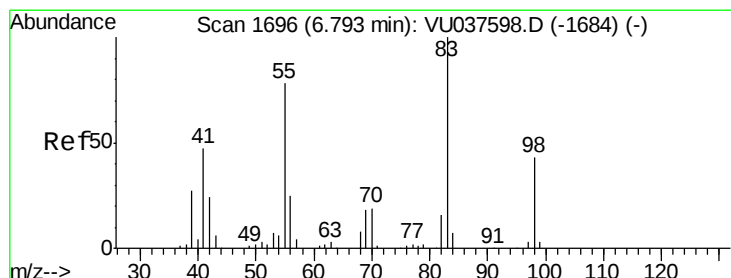
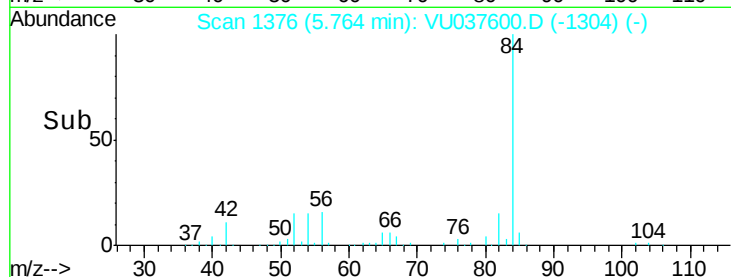
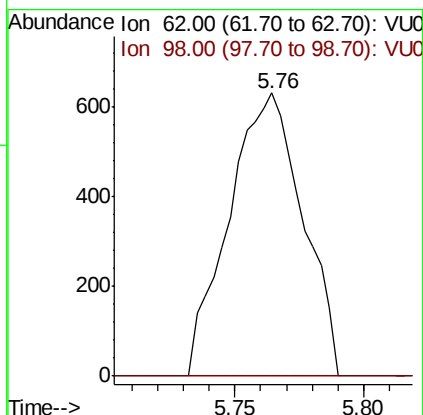
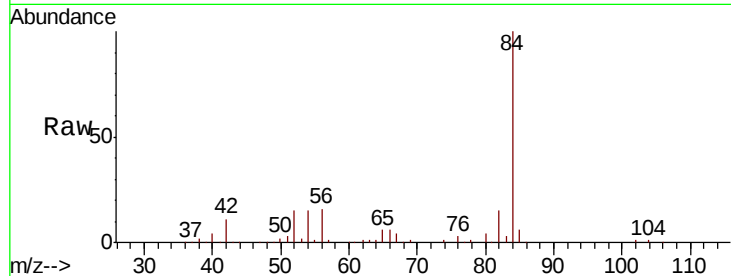




#27
 1,2-Dichloroethane
 Concen: 0.835 ug/L
 RT: 5.76 min Scan# 1376
 Delta R.T. -0.07 min
 Lab File: VU037600.D
 Acq: 07 Apr 2020 11:24

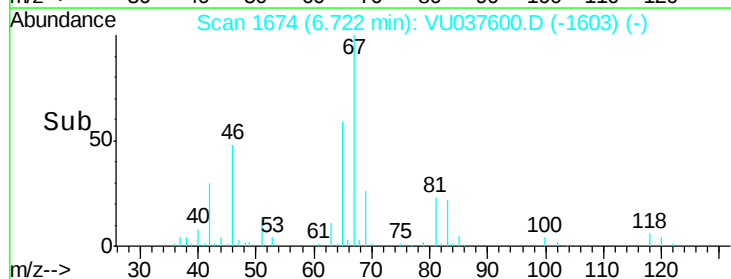
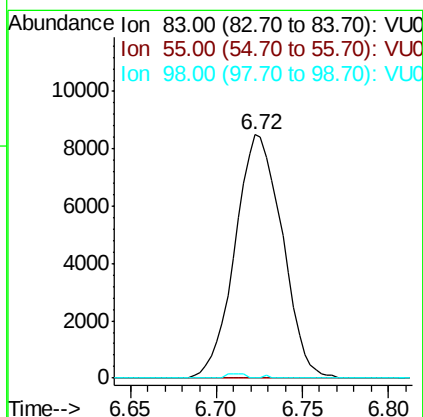
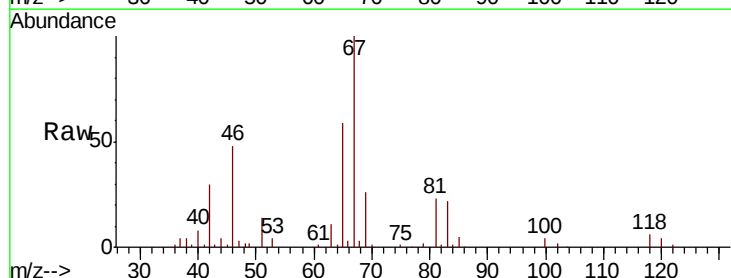
Instrument :
 MSVOA_U
 ClientSampleId :
 BFS71

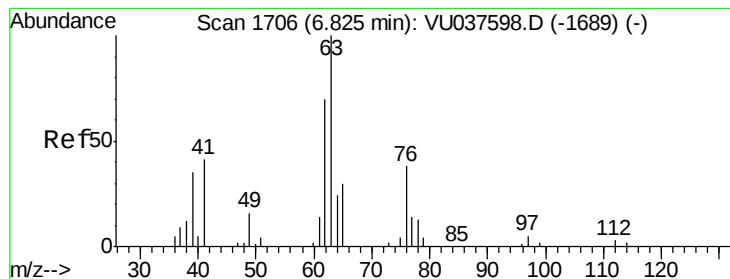
Tot Ion: 62 Resp: 1252
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.1 10.7#



#35
 Methylcyclohexane
 Concen: 10.140 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU037600.D
 Acq: 07 Apr 2020 11:24

Tgt Ion: 83 Resp: 16203
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.1 91.7#
 98 0.7 35.3 52.9#





#37

1,2-Dichloropropane

Concen: 7.258 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037600.D

Acq: 07 Apr 2020 11:24

Instrument :

MSVOA_U

ClientSampleId :

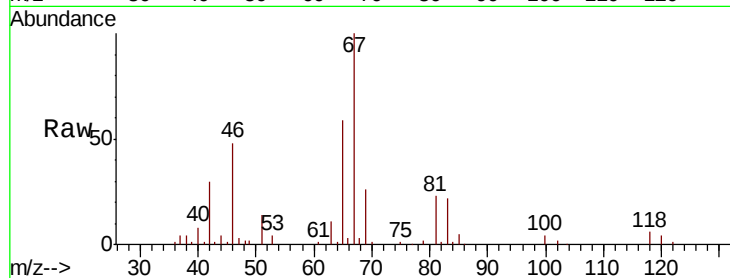
BFS71

Tot Ion: 63 Resp: 8179

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU037598.D (-1689) (-)

Ion 112.00 (111.70 to 112.70): VU037598.D (-1689) (-)

6.72

4000

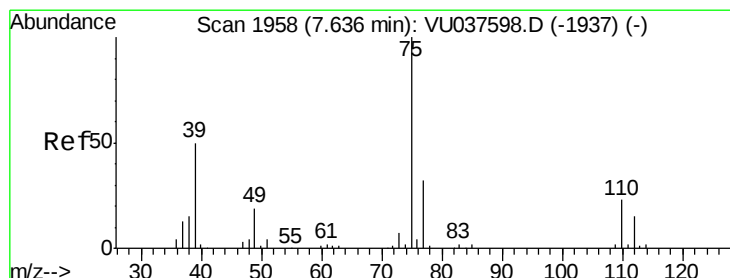
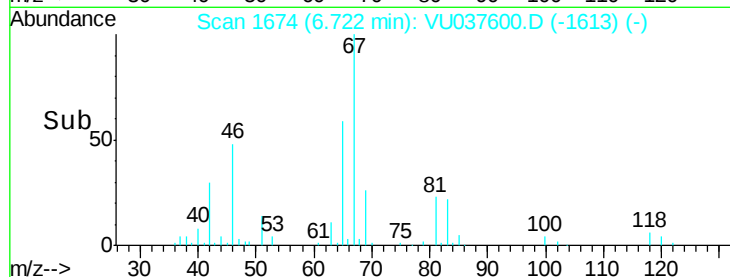
3000

2000

1000

0

Time--> 6.65 6.70 6.75



#39

cis-1,3-Dichloropropene

Concen: 1.447 ug/L

RT: 7.59 min Scan# 1945

Delta R.T. -0.04 min

Lab File: VU037600.D

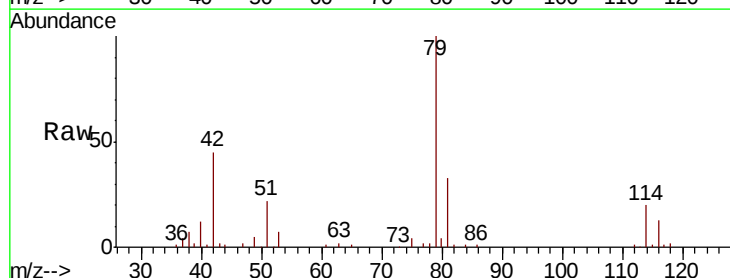
Acq: 07 Apr 2020 11:24

Tgt Ion: 75 Resp: 2546

Ion Ratio Lower Upper

75 100

77 47.8 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VU037598.D (-1937) (-)

Ion 77.00 (76.70 to 77.70): VU037598.D (-1937) (-)

7.59

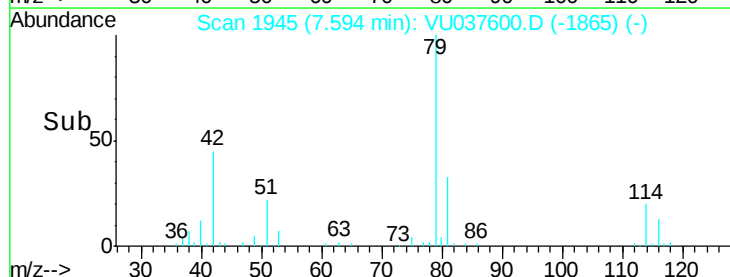
1500

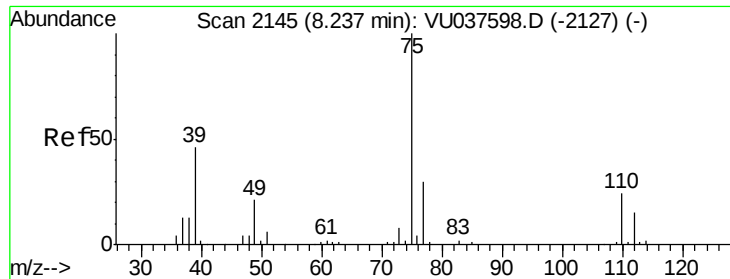
1000

500

0

Time--> 7.55 7.60





#44

trans-1,3-Dichloropropene

Concen: 1.142 ug/L

RT: 8.20 min Scan# 2135

Delta R.T. -0.03 min

Lab File: VU037600.D

Acq: 07 Apr 2020 11:24

Instrument :

MSVOA_U

ClientSampled :

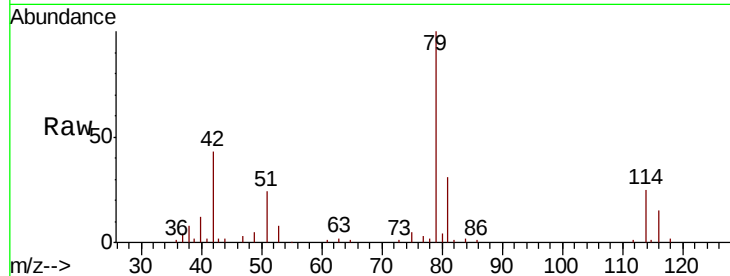
BFS71

Tot Ion: 75 Resp: 1980

Ion Ratio Lower Upper

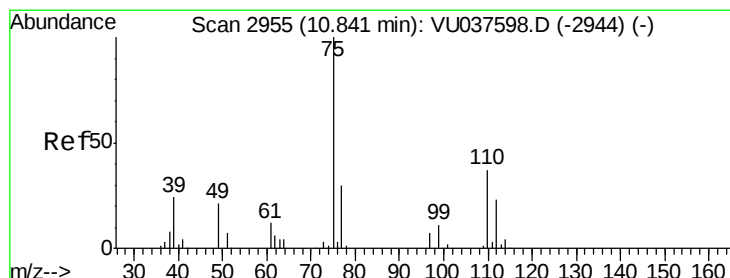
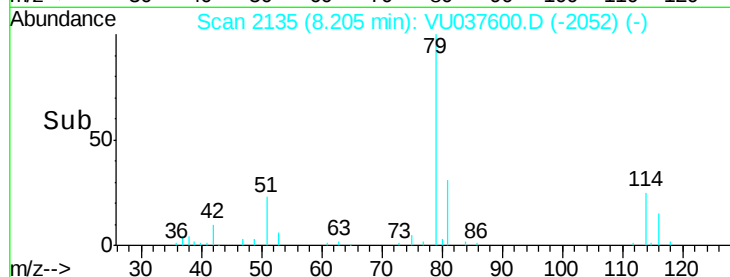
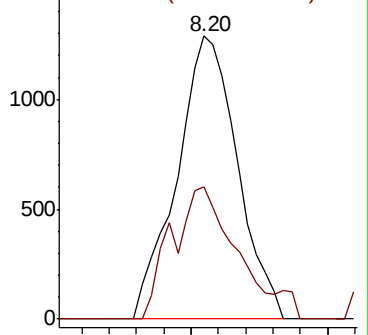
75 100

77 46.8 23.4 43.6#



Abundance Ion 75.00 (74.70 to 75.70): VU037598.D (-2127) (-)

Ion 77.00 (76.70 to 77.70): VU037598.D (-2127) (-)



#59

1,2,3-Trichloropropane

Concen: 7.501 ug/L

RT: 11.83 min Scan# 3262

Delta R.T. 0.99 min

Lab File: VU037600.D

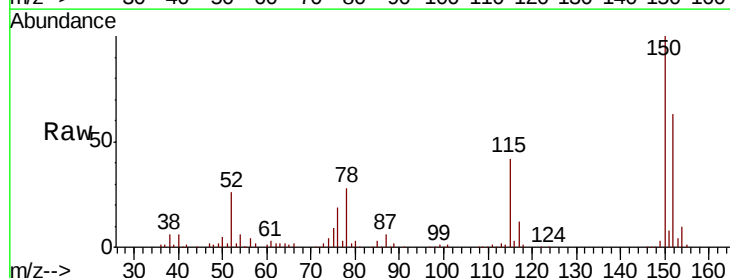
Acq: 07 Apr 2020 11:24

Tgt Ion: 75 Resp: 10867

Ion Ratio Lower Upper

75 100

77 32.9 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU037598.D (-2944) (-)

Ion 77.00 (76.70 to 77.70): VU037598.D (-2944) (-)

