

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040720\
 Data File : VU037603.D
 Acq On : 07 Apr 2020 12:33
 Operator : JC/MD
 Sample : L2173-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFS69

Quant Time: Apr 08 02:28:24 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	154381	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	141589	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	65993	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	62115	49.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.08%
7) Chloroethane-d5	1.93	69	48536	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.36%
11) 1,1-Dichloroethene-d2	2.59	63	81892	38.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.72%
21) 2-Butanone-d5	4.67	46	102732	109.02	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.02%
24) Chloroform-d	5.11	84	103337	48.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.84%
26) 1,2-Dichloroethane-d4	5.74	65	70525	50.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.56%
32) Benzene-d6	5.76	84	215517	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.06%
36) 1,2-Dichloropropane-d6	6.72	67	72804	52.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.44%
41) Toluene-d8	7.92	98	200582	52.46	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.92%
43) trans-1,3-Dichloropropene-	8.20	79	37088	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
47) 2-Hexanone-d5	8.65	63	77287	105.63	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.63%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	104735	53.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.10%
64) 1,2-Dichlorobenzene-d4	12.21	152	71771	53.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.60%

Target Compounds

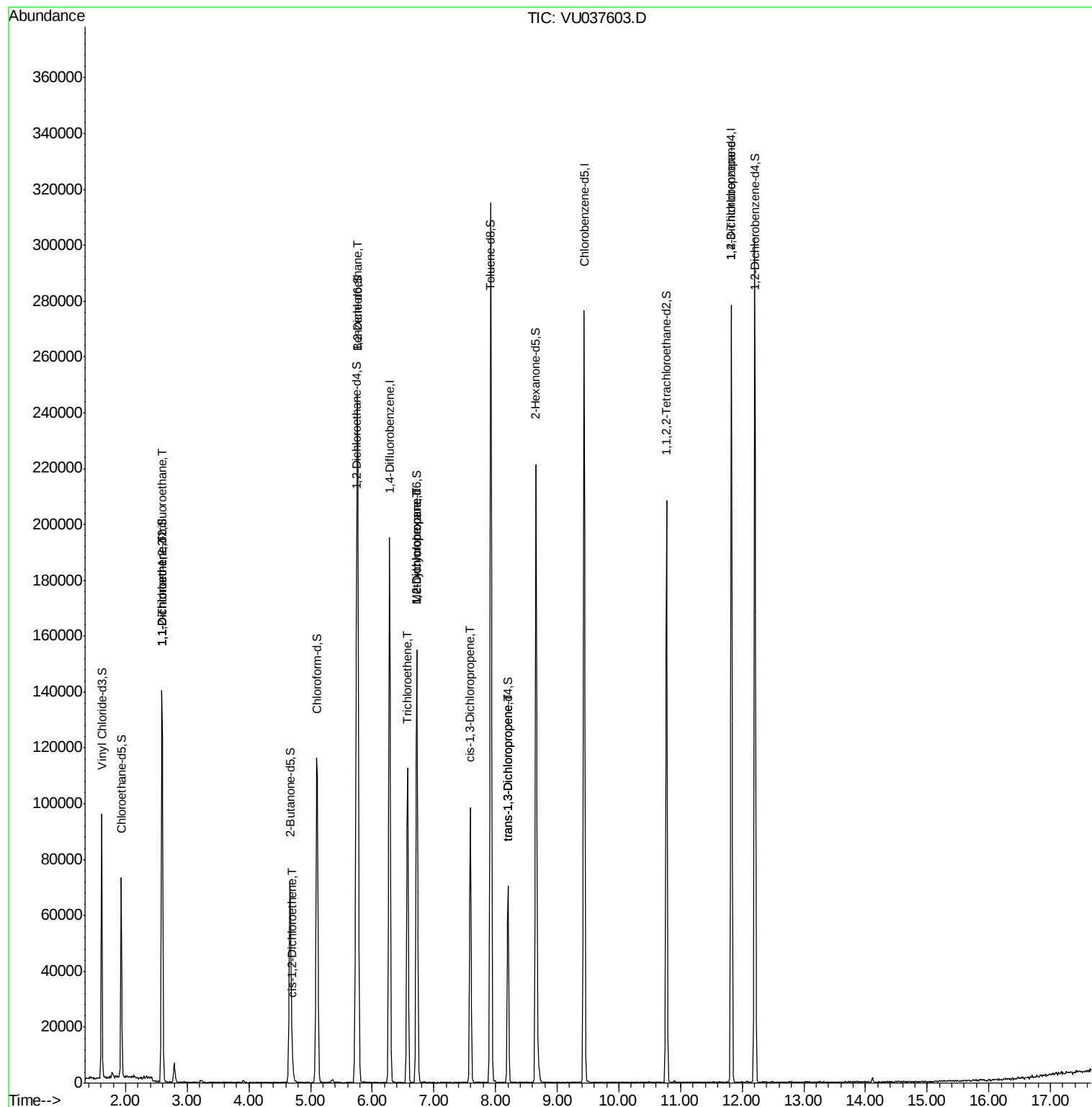
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	681	0.801	ug/L #	22
12) 1,1-Dichloroethene	2.59	96	665	0.805	ug/L #	1
20) cis-1,2-Dichloroethene	4.71	96	2279	2.225	ug/L	96
27) 1,2-Dichloroethane	5.76	62	1169	0.834	ug/L #	75
34) Trichloroethene	6.57	95	38516	39.704	ug/L	97
35) Methylcyclohexane	6.72	83	15933	10.630	ug/L #	20
37) 1,2-Dichloropropane	6.73	63	7787	7.367	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	2564	1.553	ug/L #	45
44) trans-1,3-Dichloropropene	8.20	75	1925	1.184	ug/L #	73
59) 1,2,3-Trichloropropane	11.82	75	9422	6.934	ug/L	90

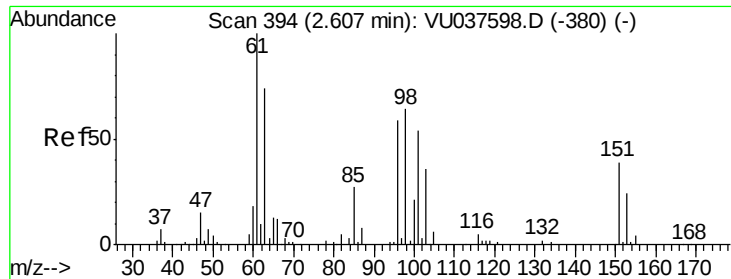
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.801 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU037603.D

Acq: 07 Apr 2020 12:33

Instrument :

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ClientSampleId :

BFS69

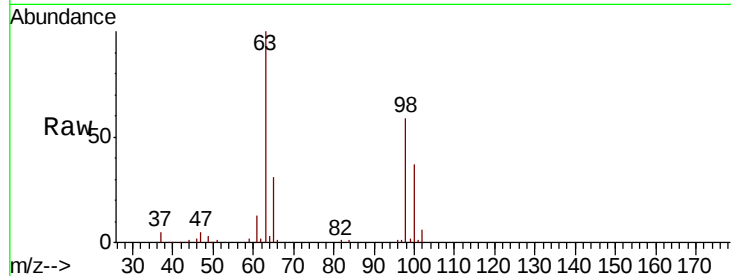
Tot Ion:101 Resp: 681

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.2#

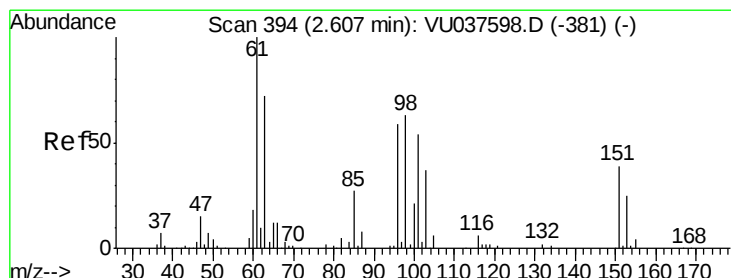
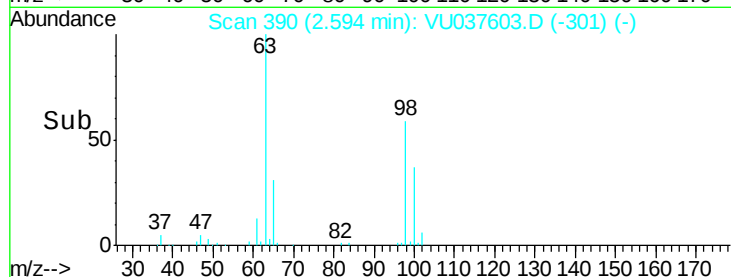
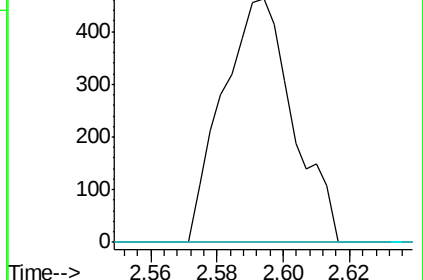
151 0.0 55.3 82.9#



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



#12

1,1-Dichloroethene

Concen: 0.805 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU037603.D

Acq: 07 Apr 2020 12:33

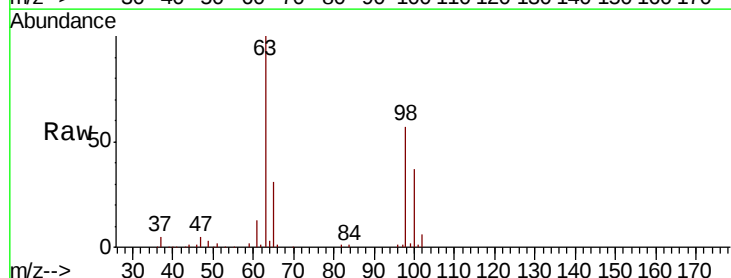
Tgt Ion: 96 Resp: 665

Ion Ratio Lower Upper

96 100

61 1302.0 117.2 217.8#

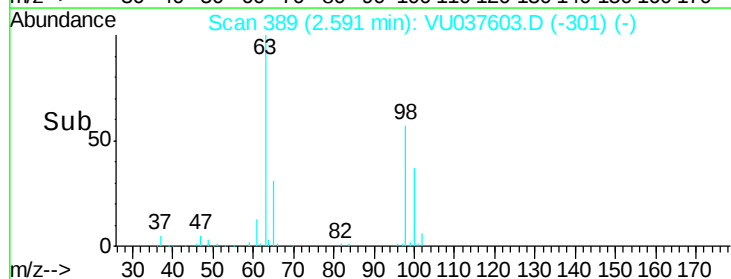
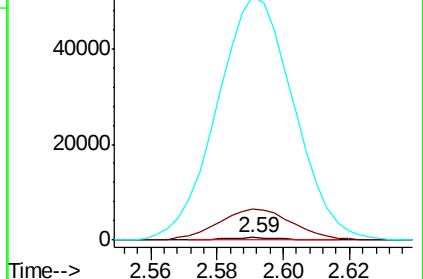
63 10208.8 90.9 168.9#

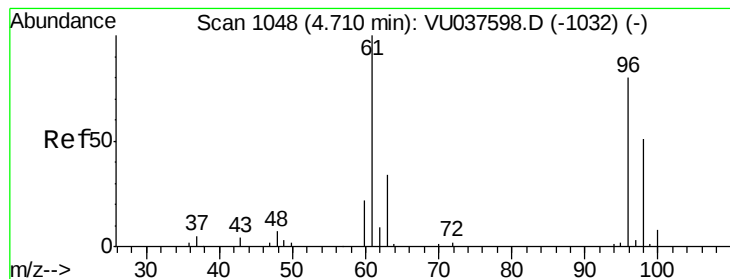


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 2.225 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037603.D

Acq: 07 Apr 2020 12:33

Instrument :

MSVOA_U

ClientSampleId :

BFS69

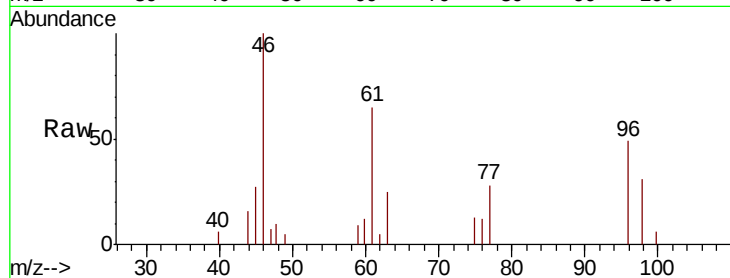
Tot Ion: 96 Resp: 2279

Ion Ratio Lower Upper

96 100

61 133.7 90.2 167.6

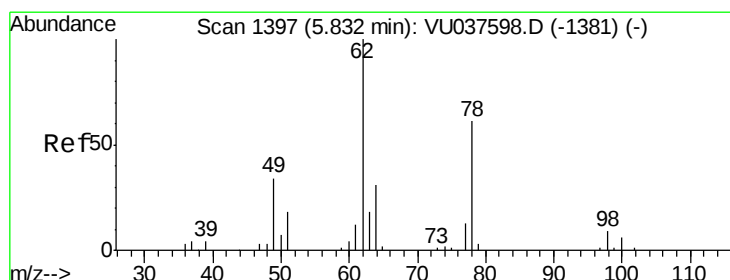
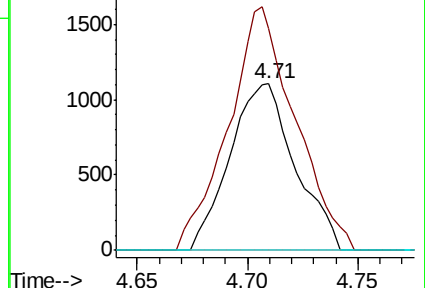
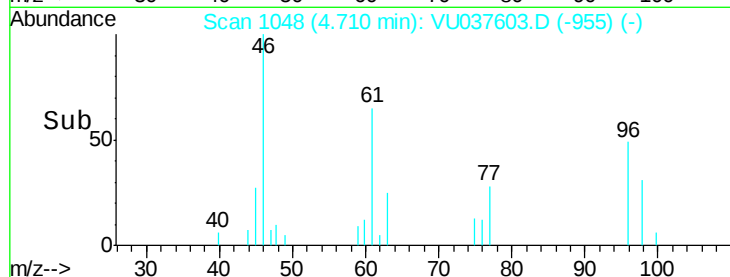
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037603.D (-955) (-)

Ion 61.00 (60.70 to 61.70): VU037603.D (-955) (-)

Ion 68.00 (67.70 to 68.70): VU037603.D (-955) (-)



#27

1,2-Dichloroethane

Concen: 0.834 ug/L

RT: 5.76 min Scan# 1376

Delta R.T. -0.07 min

Lab File: VU037603.D

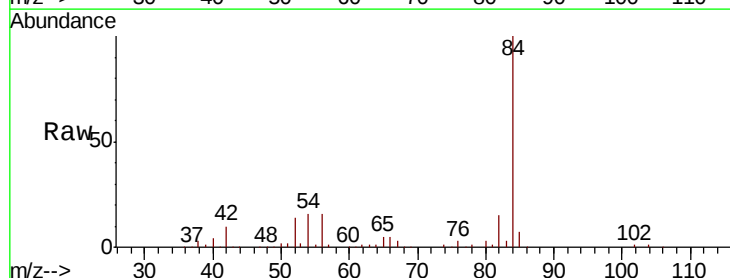
Acq: 07 Apr 2020 12:33

Tgt Ion: 62 Resp: 1169

Ion Ratio Lower Upper

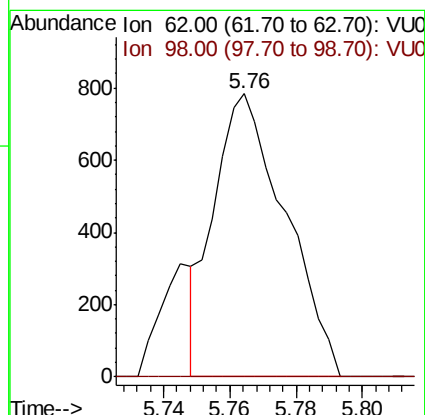
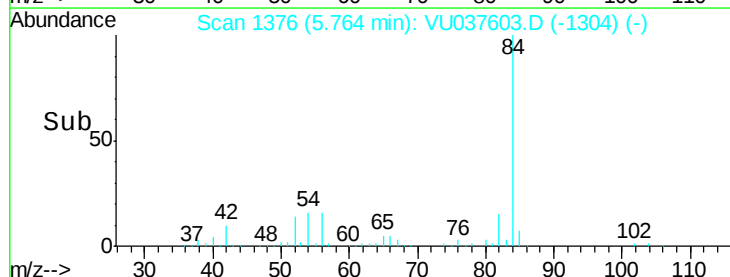
62 100

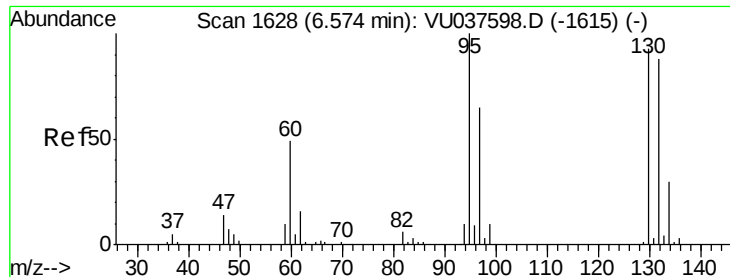
98 0.0 7.1 10.7#



Abundance Ion 62.00 (61.70 to 62.70): VU037603.D (-1304) (-)

Ion 98.00 (97.70 to 98.70): VU037603.D (-1304) (-)

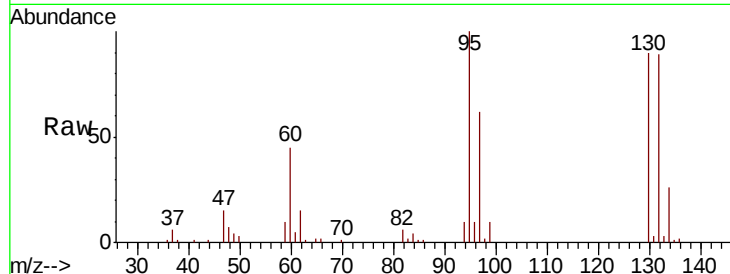




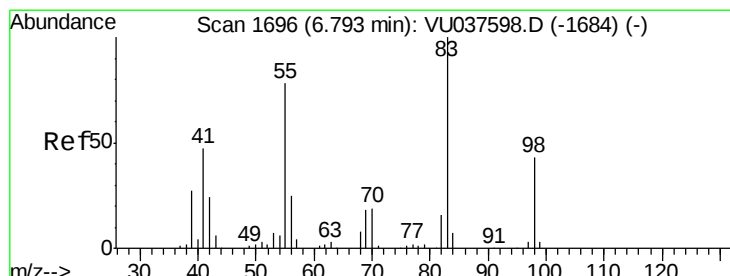
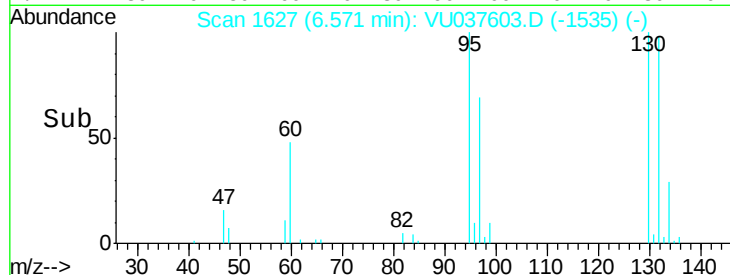
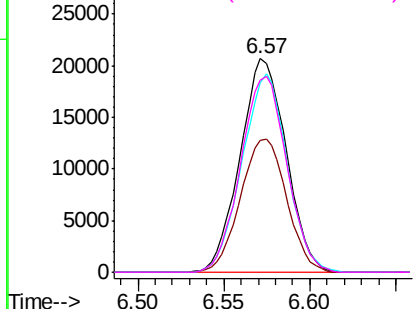
#34
 Trichloroethene
 Concen: 39.704 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037603.D
 Acq: 07 Apr 2020 12:33

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Tot Ion: 95 Resp: 38516
 Ion Ratio Lower Upper
 95 100
 97 61.9 45.2 84.0
 132 88.7 63.7 118.3
 130 89.9 64.5 119.7

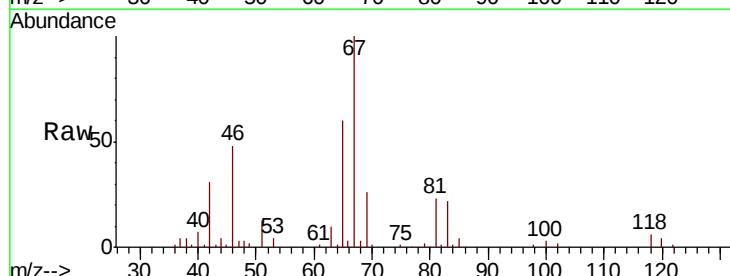


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

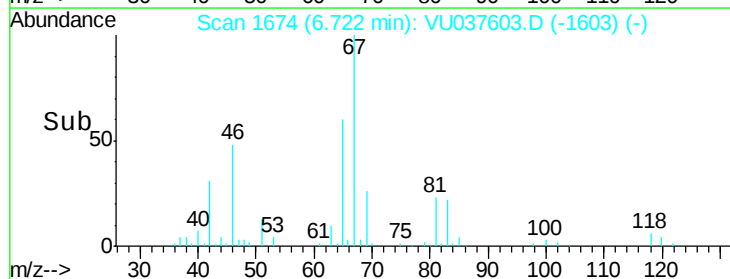
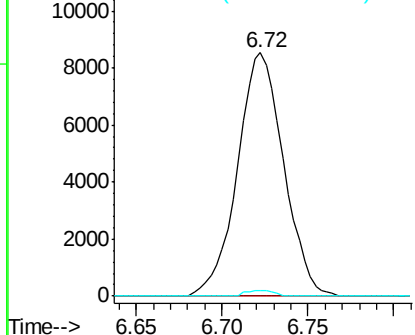


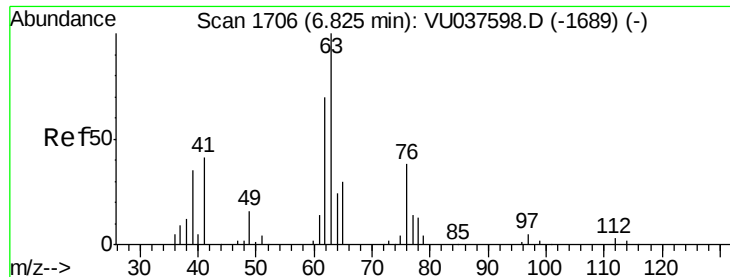
#35
 Methylcyclohexane
 Concen: 10.630 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU037603.D
 Acq: 07 Apr 2020 12:33

Tgt Ion: 83 Resp: 15933
 Ion Ratio Lower Upper
 83 100
 55 0.0 61.1 91.7#
 98 1.4 35.3 52.9#



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

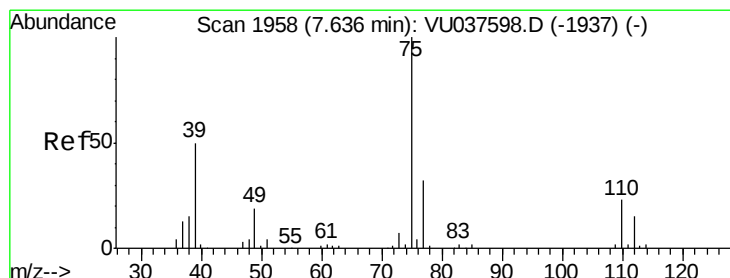
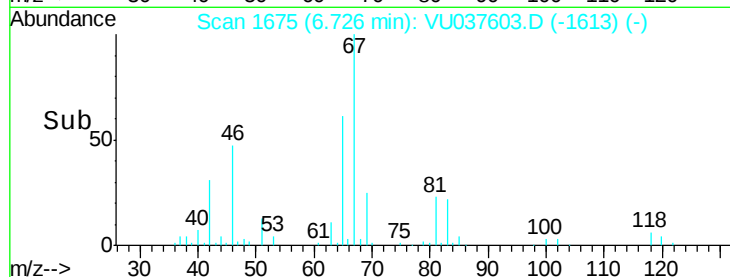
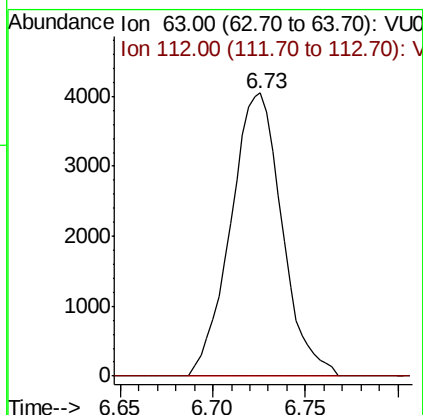
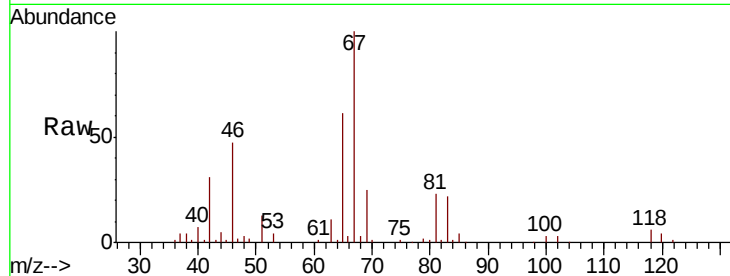




#37
 1,2-Dichloropropane
 Concen: 7.367 ug/L
 RT: 6.73 min Scan# 1675
 Delta R.T. -0.10 min
 Lab File: VU037603.D
 Acq: 07 Apr 2020 12:33

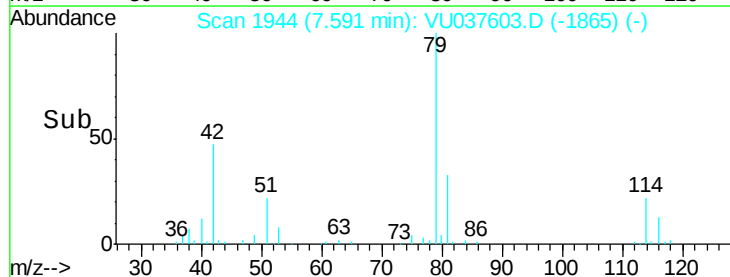
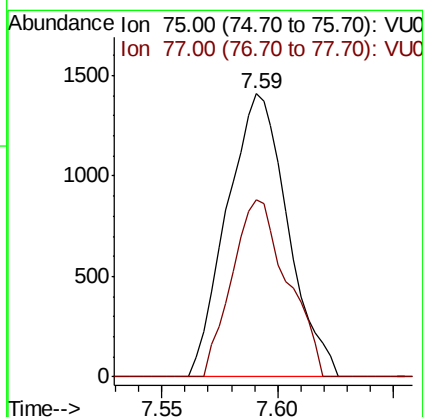
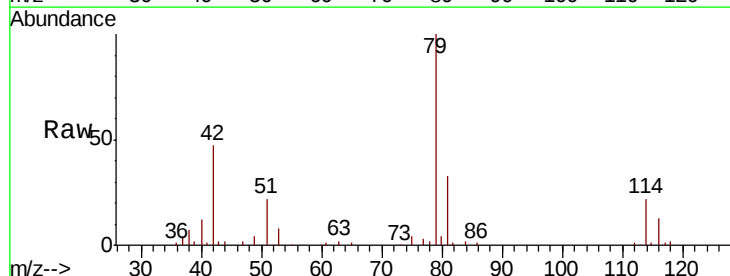
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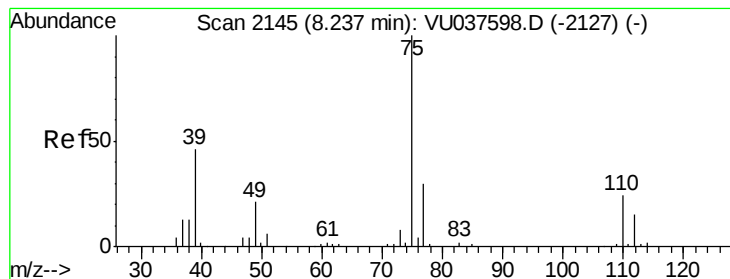
Tot Ion: 63 Resp: 7787
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.553 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU037603.D
 Acq: 07 Apr 2020 12:33

Tgt Ion: 75 Resp: 2564
 Ion Ratio Lower Upper
 75 100
 77 62.6 22.5 41.7#





#44

trans-1,3-Dichloropropene

Concen: 1.184 ug/L

RT: 8.20 min Scan# 2134

Delta R.T. -0.04 min

Lab File: VU037603.D

Acq: 07 Apr 2020 12:33

Instrument :

MSVOA_U

ClientSampleId :

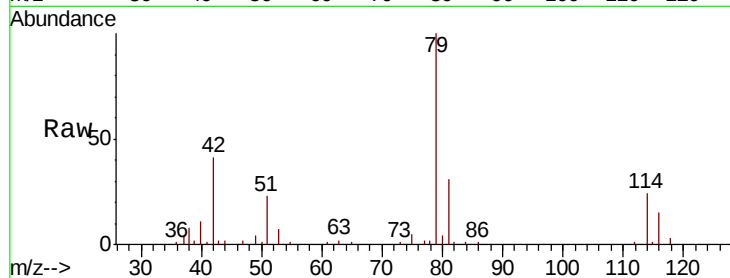
BFS69

Tot Ion: 75 Resp: 1925

Ion Ratio Lower Upper

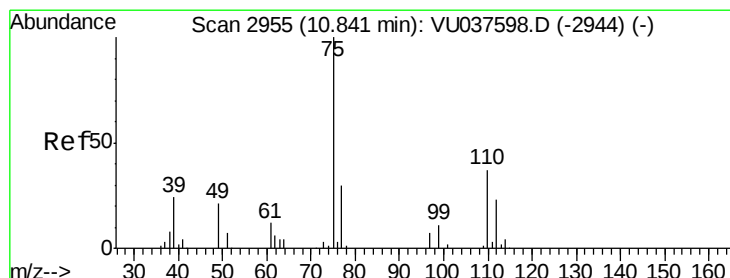
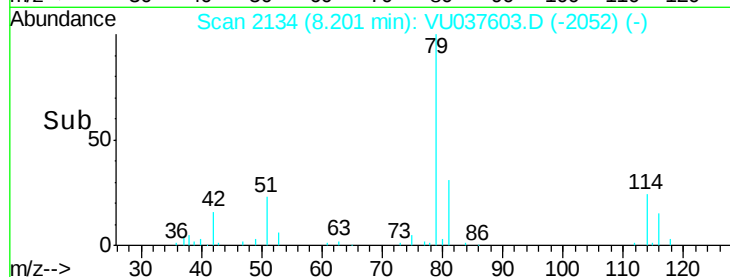
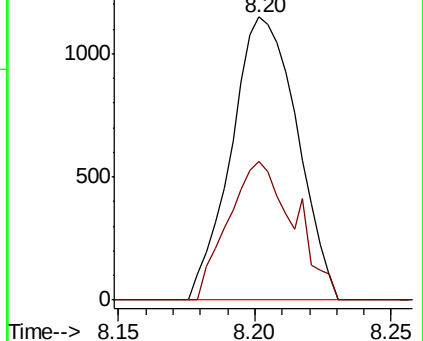
75 100

77 48.9 23.4 43.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 6.934 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU037603.D

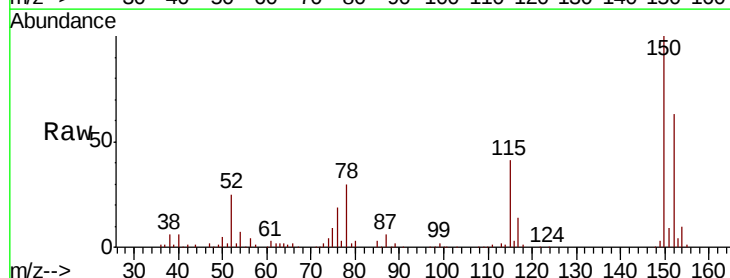
Acq: 07 Apr 2020 12:33

Tgt Ion: 75 Resp: 9422

Ion Ratio Lower Upper

75 100

77 37.2 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

