

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042820\
 Data File : VU037888.D
 Acq On : 28 Apr 2020 19:44
 Operator : JC/MD
 Sample : L2395-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Apr 29 04:18:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 29 04:16:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	652860	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	633417	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	288017	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	227604	39.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	79.80%
7) Chloroethane-d5	1.93	69	202243	45.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.50%
11) 1,1-Dichloroethene-d2	2.59	63	302934	32.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.62%
21) 2-Butanone-d5	4.66	46	420728	93.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.08%
24) Chloroform-d	5.10	84	405776	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.74	65	289844	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
32) Benzene-d6	5.76	84	876777	48.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.90%
36) 1,2-Dichloropropane-d6	6.72	67	293661	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.04%
41) Toluene-d8	7.92	98	792824	48.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.32%
43) trans-1,3-Dichloropropene-	8.20	79	130989	42.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.96%
47) 2-Hexanone-d5	8.65	63	331223	101.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.56%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	416378	49.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	287434	51.29	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.58%

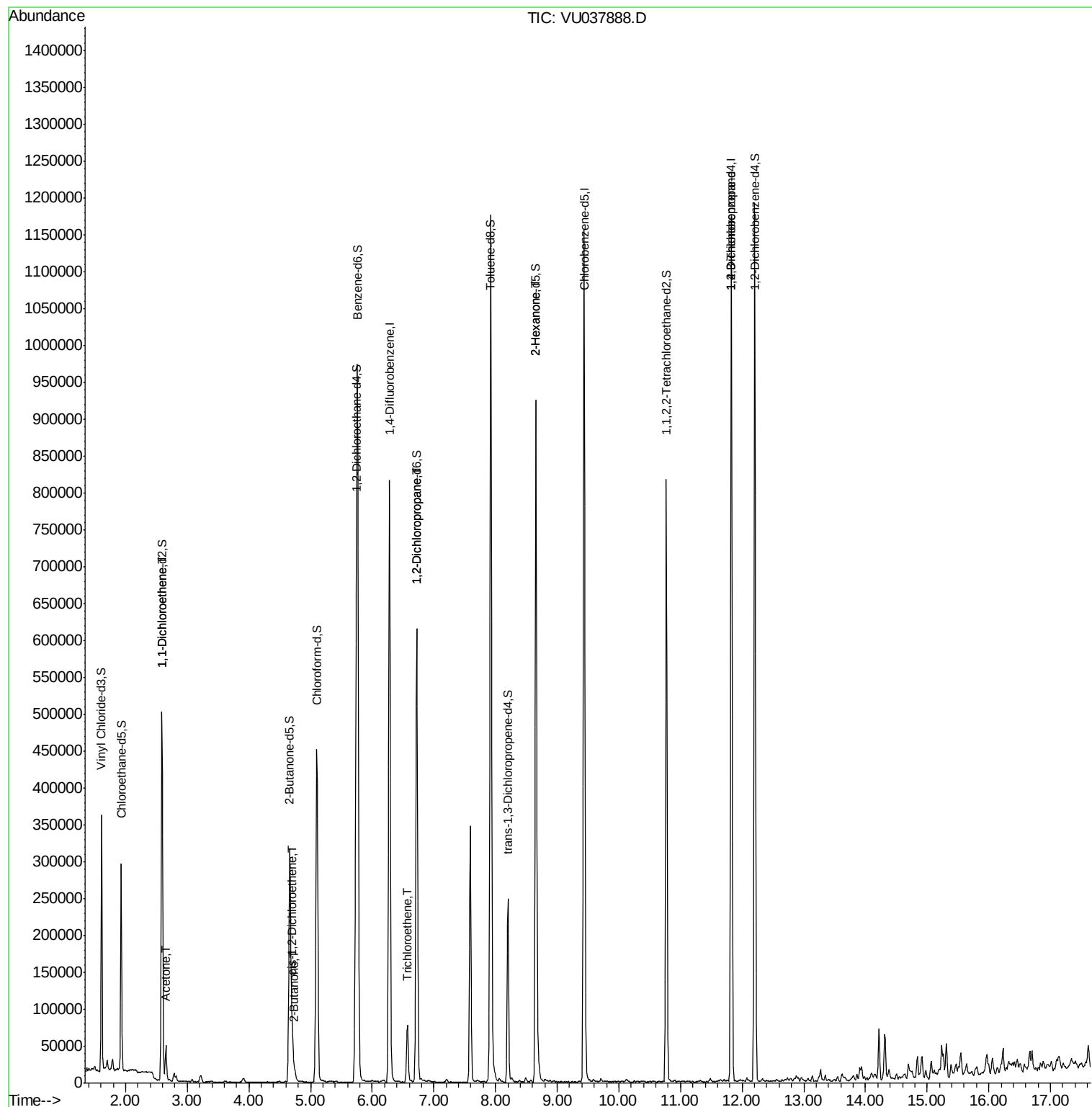
Target Compounds

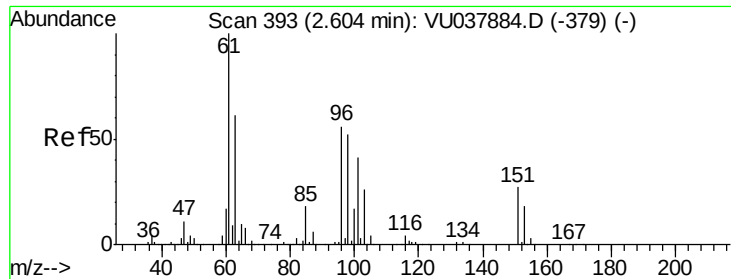
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	4567	1.152	ug/L #	1
13) Acetone	2.65	43	51164	18.973	ug/L	100
20) cis-1,2-Dichloroethene	4.71	96	26268	5.413	ug/L	91
22) 2-Butanone	4.75	43	18794	3.980	ug/L	96
34) Trichloroethene	6.57	95	24386	5.171	ug/L	98
37) 1,2-Dichloropropane	6.72	63	31205	5.943	ug/L #	89
48) 2-Hexanone	8.65	43	38091	5.276	ug/L #	74
59) 1,2,3-Trichloropropane	11.83	75	41582	5.895	ug/L	94

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

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#12

1,1-Dichloroethene

Concen: 1.152 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU037888.D

Acq: 28 Apr 2020 19:44

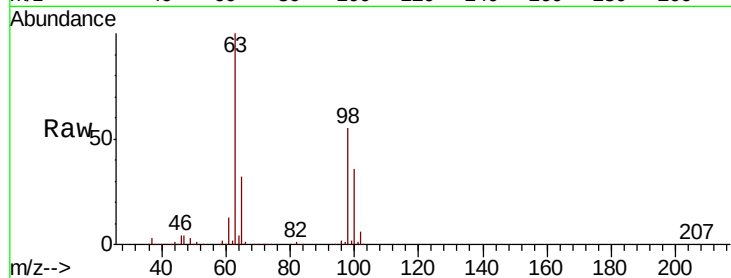
Tot Ion: 96 Resp: 4567

Ion Ratio Lower Upper

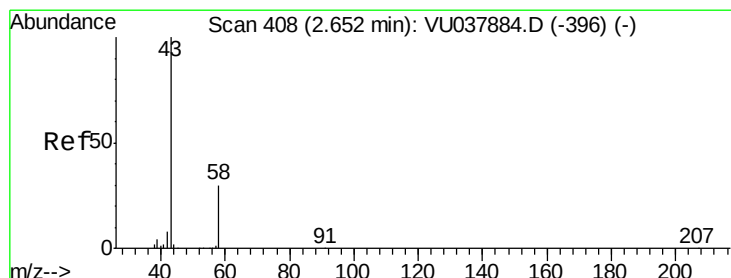
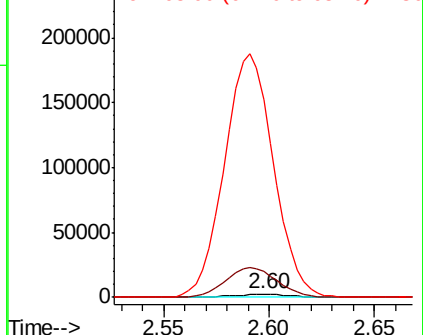
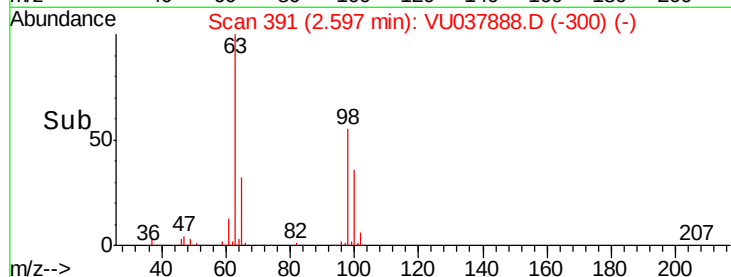
96 100

61 844.7 134.1 249.0#

63 6481.9 96.5 179.1#



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: 18.973 ug/L

RT: 2.65 min Scan# 408

Delta R.T. 0.00 min

Lab File: VU037888.D

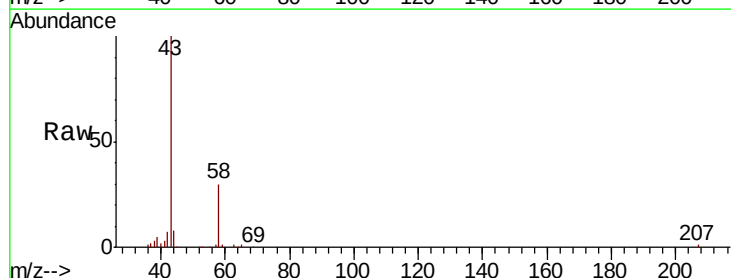
Acq: 28 Apr 2020 19:44

Tgt Ion: 43 Resp: 51164

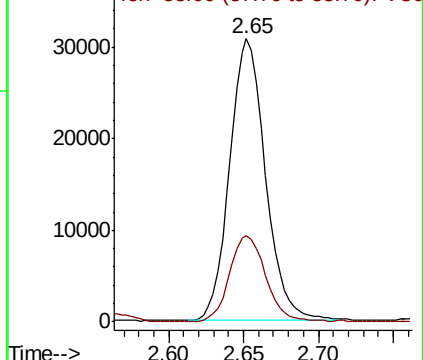
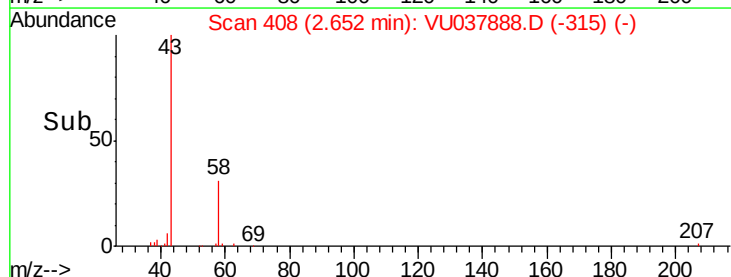
Ion Ratio Lower Upper

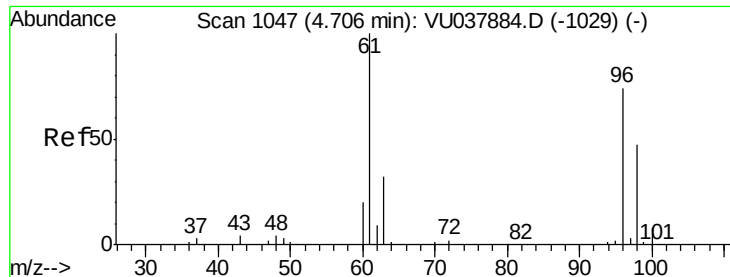
43 100

58 31.1 0.0 62.0



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 5.413 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU037888.D

Acq: 28 Apr 2020 19:44

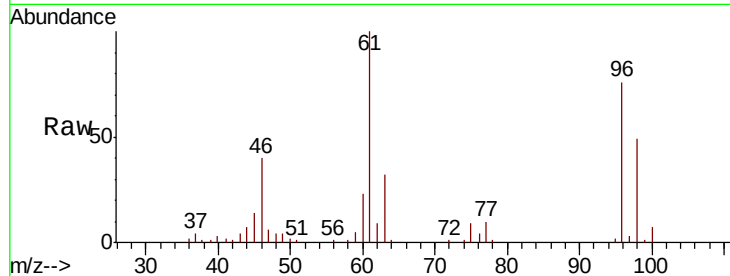
Tot Ion: 96 Resp: 26268

Ion Ratio Lower Upper

96 100

61 131.9 100.4 186.4

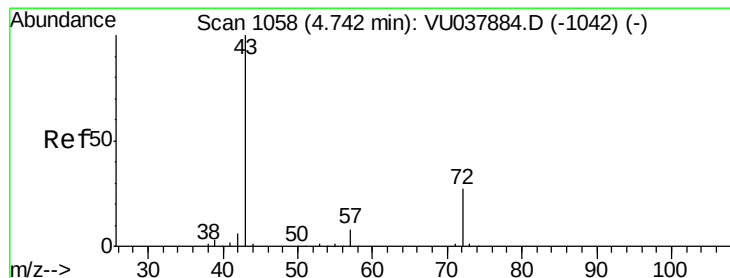
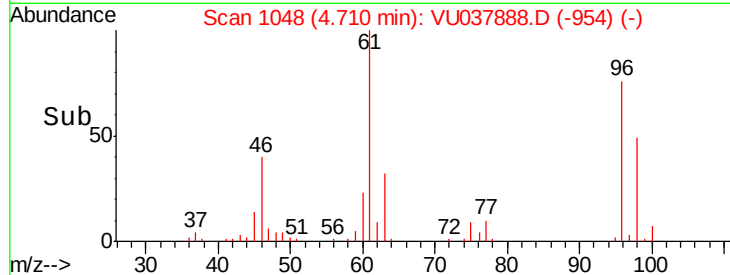
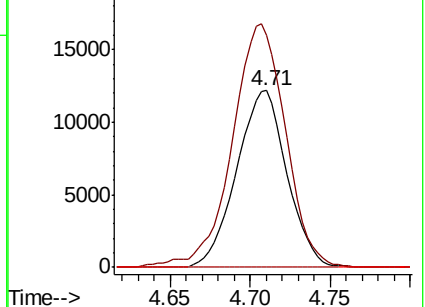
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU037888.D (-1029) (-)

Ion 61.00 (60.70 to 61.70): VU037888.D (-1029) (-)

Ion 68.00 (67.70 to 68.70): VU037888.D (-1029) (-)



#22

2-Butanone

Concen: 3.980 ug/L

RT: 4.75 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VU037888.D

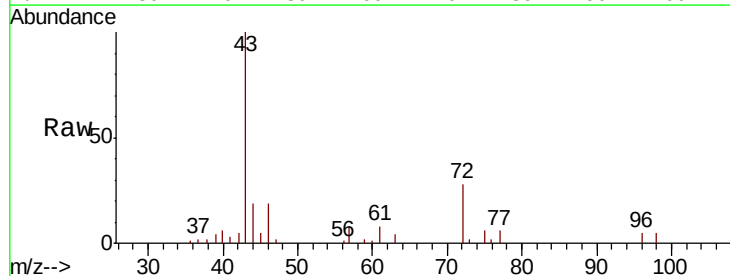
Acq: 28 Apr 2020 19:44

Tgt Ion: 43 Resp: 18794

Ion Ratio Lower Upper

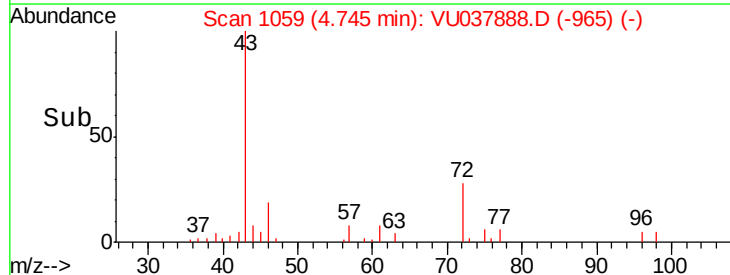
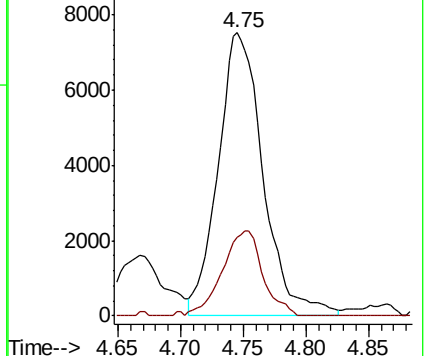
43 100

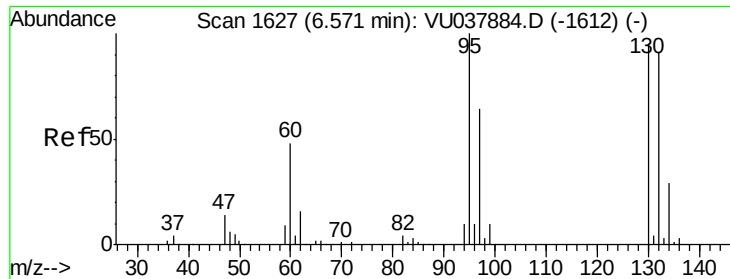
72 26.9 12.6 37.6



Abundance Ion 43.00 (42.70 to 43.70): VU037888.D (-1042) (-)

Ion 72.00 (71.70 to 72.70): VU037888.D (-1042) (-)





#34

Trichloroethene

Concen: 5.171 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU037888.D

Acq: 28 Apr 2020 19:44

Tot Ion: 95 Resp: 24386

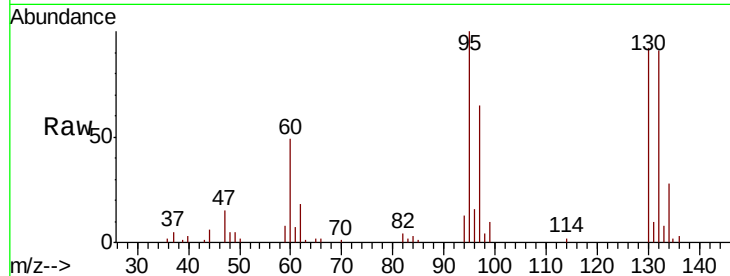
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.5

132 90.8 65.0 120.6

130 92.4 65.5 121.7

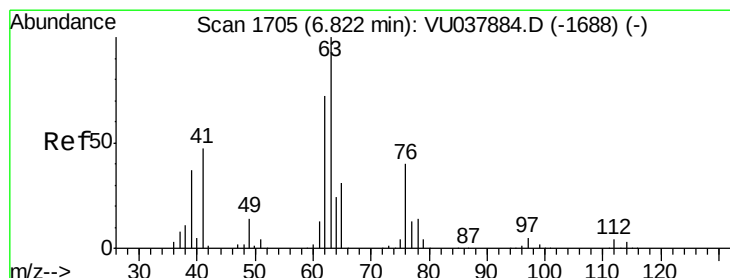
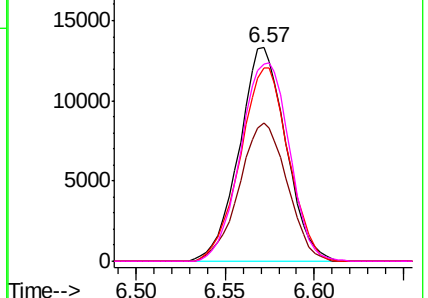
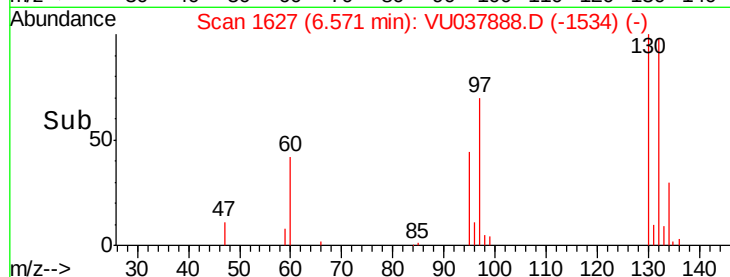


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 5.943 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU037888.D

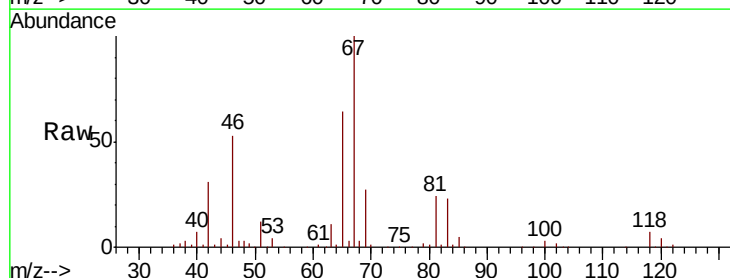
Acq: 28 Apr 2020 19:44

Tgt Ion: 63 Resp: 31205

Ion Ratio Lower Upper

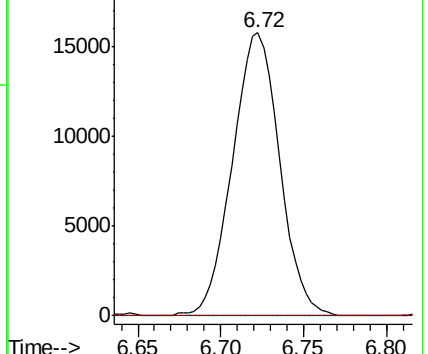
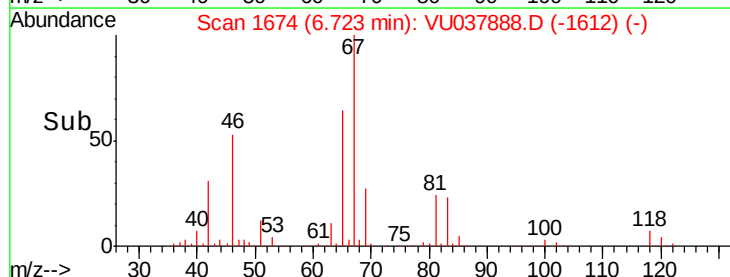
63 100

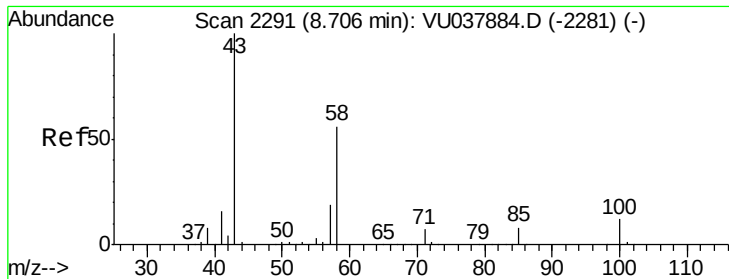
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#48

2-Hexanone

Concen: 5.276 ug/L

RT: 8.65 min Scan# 2275

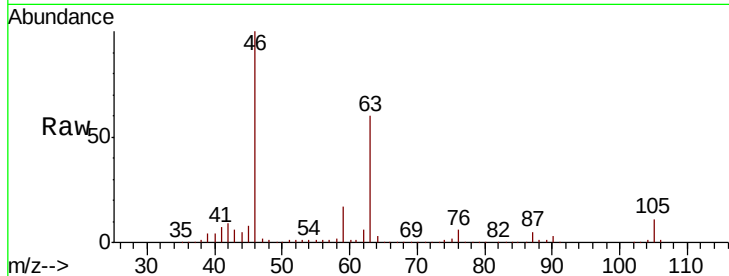
Delta R.T. -0.05 min

Lab File: VU037888.D

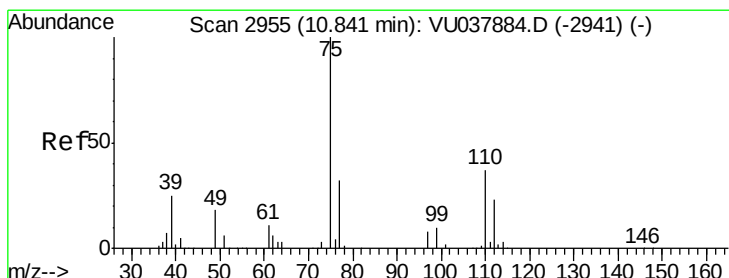
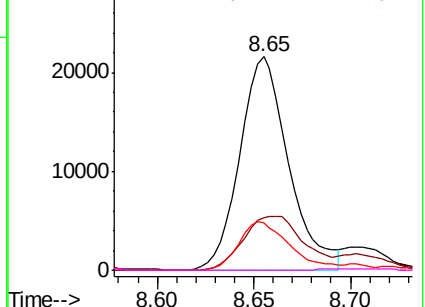
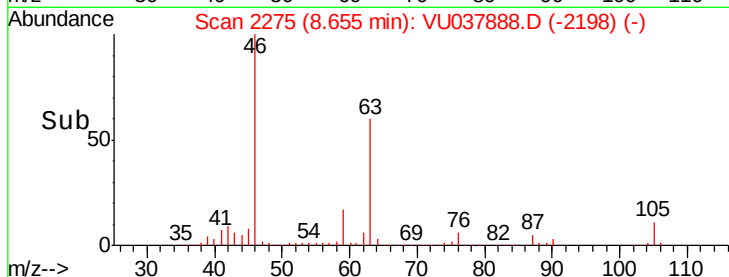
Acq: 28 Apr 2020 19:44

Tot Ion: 43 Resp: 38091

Ion	Ratio	Lower	Upper
43	100		
58	31.2	42.6	63.8#
57	23.9	14.6	22.0#
100	0.6	8.6	13.0#



Abundance Ion 43.00 (42.70 to 43.70): VU037888.D (-2281) (-)



#59

1,2,3-Trichloropropane

Concen: 5.895 ug/L

RT: 11.83 min Scan# 3261

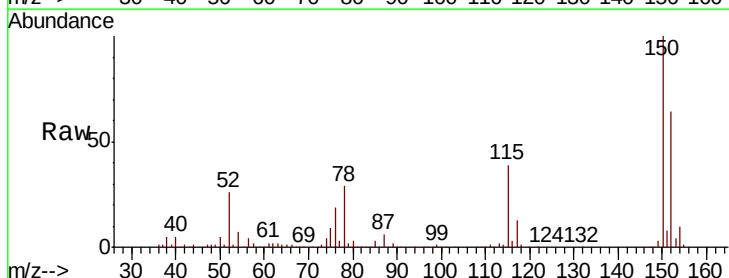
Delta R.T. 0.98 min

Lab File: VU037888.D

Acq: 28 Apr 2020 19:44

Tgt Ion: 75 Resp: 41582

Ion	Ratio	Lower	Upper
75	100		
77	35.4	25.8	38.6



Abundance Ion 75.00 (74.70 to 75.70): VU037888.D (-2333) (-)

