

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\
 Data File : VU038055.D
 Acq On : 07 May 2020 21:36
 Operator : JC/MD
 Sample : L2527-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSK5

Quant Time: May 08 04:32:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 01:51:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	368523	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	359544	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	165049	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	144757	4.30	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.00%
7) Chloroethane-d5	1.93	69	124195	4.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.20%
11) 1,1-Dichloroethene-d2	2.59	63	177453	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	4.66	46	321264	38.63	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	77.26%
24) Chloroform-d	5.10	84	195608	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.40%
26) 1,2-Dichloroethane-d4	5.74	65	126484	4.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.40%
32) Benzene-d6	5.76	84	488454	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	6.72	67	158057	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.00%
41) Toluene-d8	7.92	98	435758	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
43) trans-1,3-Dichloropropene-	8.20	79	54020	3.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.60%
46) 2-Hexanone-d5	8.65	63	274196	41.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.38%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	111838	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	153869	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

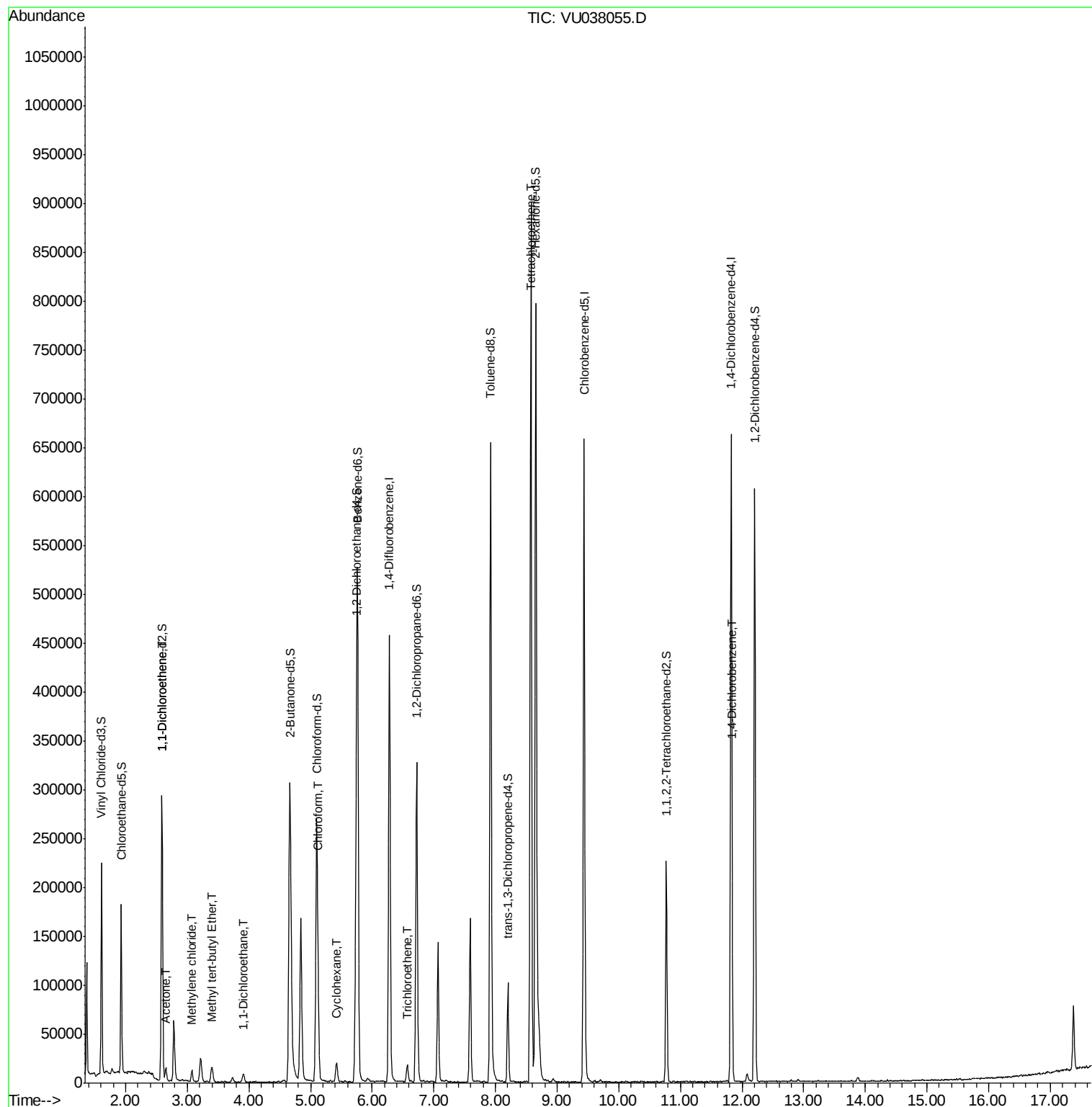
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	1912	0.075	ug/L #	1
13) Acetone	2.65	43	15096	2.893	ug/L	98
16) Methylene chloride	3.08	84	5447	0.183	ug/L	85
17) Methyl tert-butyl Ether	3.40	73	15298	0.215	ug/L #	88
19) 1,1-Dichloroethane	3.92	63	9540	0.175	ug/L	96
25) Chloroform	5.12	83	38377	0.754	ug/L	93
30) Cyclohexane	5.43	56	8987	0.185	ug/L	97
34) Trichloroethene	6.57	95	5221	0.181	ug/L	93
47) Tetrachloroethene	8.57	164	202225	10.040	ug/L	97
63) 1,4-Dichlorobenzene	11.85	146	4203	0.077	ug/L	97

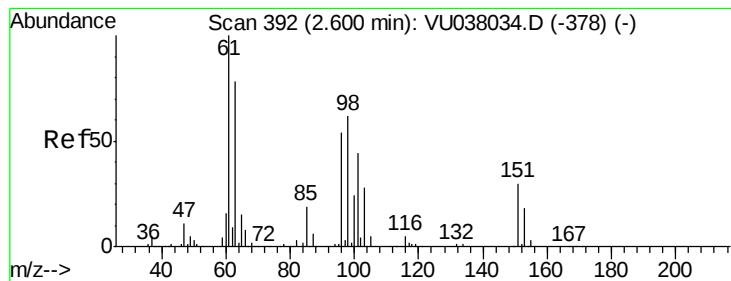
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 08 01:51:41 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.075 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038055.D

Acq: 07 May 2020 21:36

Instrument :

MSVOA_U

ClientSampleID :

BFSK5

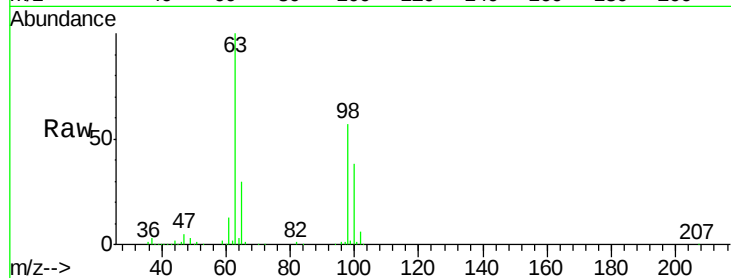
Tot Ion: 96 Resp: 1912

Ion Ratio Lower Upper

96 100

61 925.4 126.2 234.4#

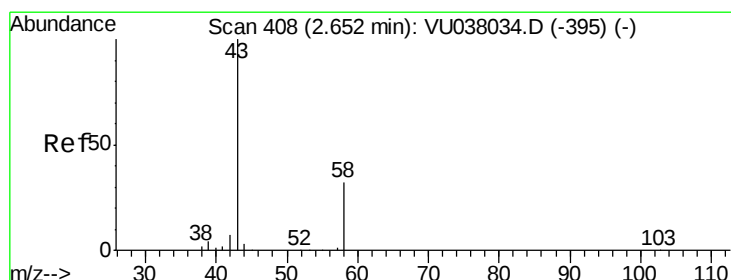
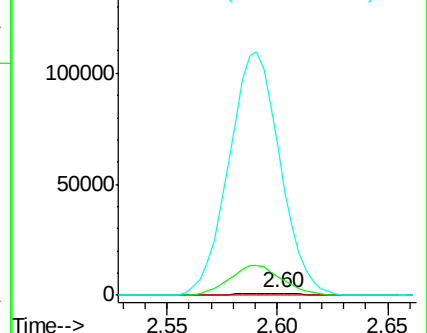
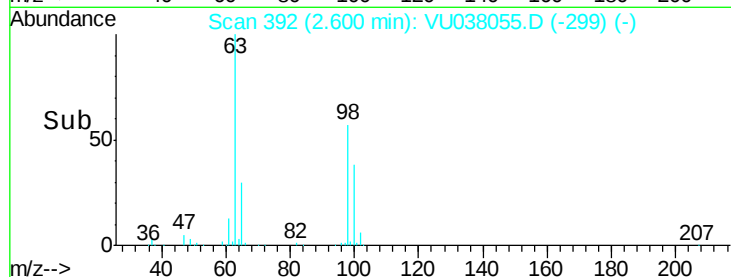
63 7338.6 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038055.D (-299) (-)

Ion 61.05 (60.75 to 61.75): VU038055.D (-299) (-)

Ion 63.00 (62.70 to 63.70): VU038055.D (-299) (-)



#13

Acetone

Concen: 2.893 ug/L

RT: 2.65 min Scan# 409

Delta R.T. 0.00 min

Lab File: VU038055.D

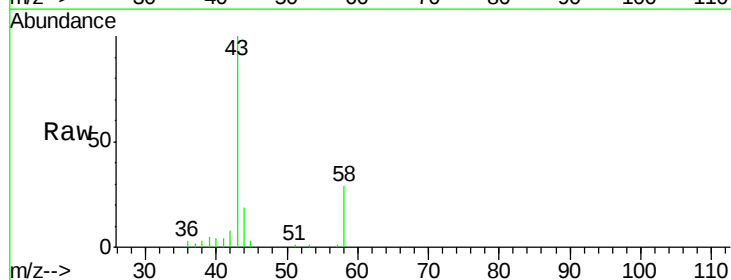
Acq: 07 May 2020 21:36

Tgt Ion: 43 Resp: 15096

Ion Ratio Lower Upper

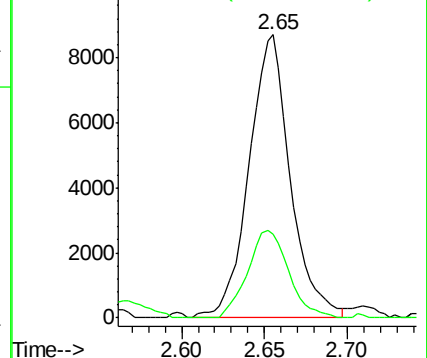
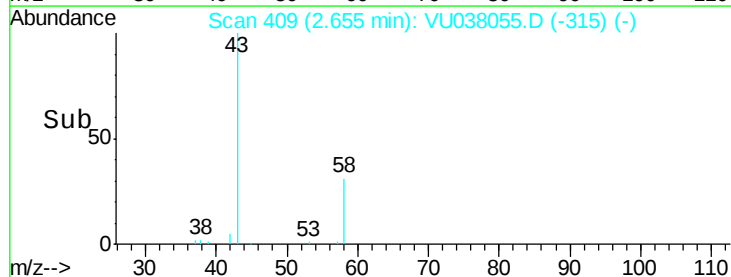
43 100

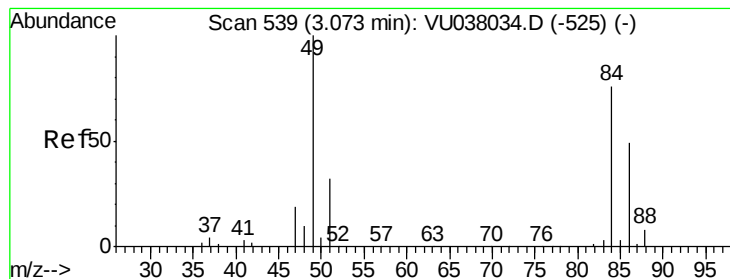
58 30.7 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038055.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VU038055.D (-315) (-)





#16

Methylene chloride

Concen: 0.183 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU038055.D

Acq: 07 May 2020 21:36

Instrument :

MSVOA_U

ClientSampleID :

BFSK5

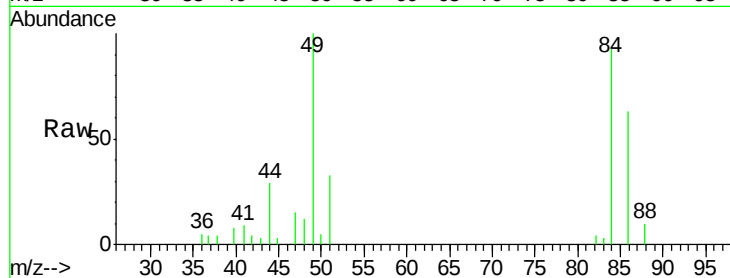
Tot Ion: 84 Resp: 5447

Ion Ratio Lower Upper

84 100

86 67.8 44.9 83.3

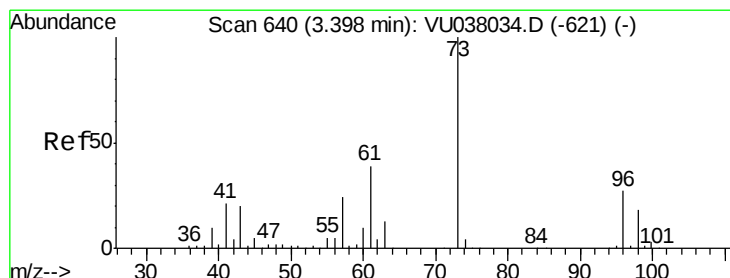
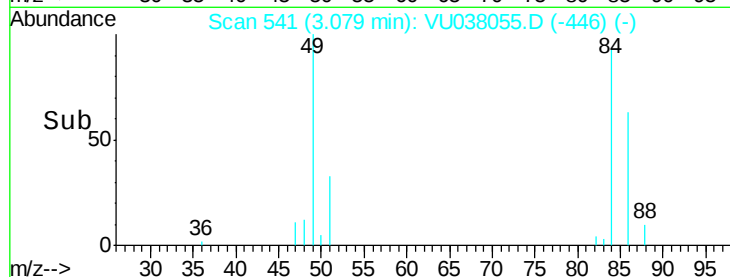
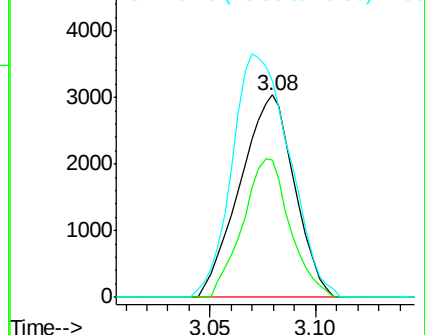
49 107.4 92.0 170.9



Abundance Ion 84.05 (83.75 to 84.75): VU038034.D (-525) (-)

Ion 86.00 (85.70 to 86.70): VU038034.D (-525) (-)

Ion 49.10 (48.80 to 49.80): VU038034.D (-525) (-)



#17

Methyl tert-butyl Ether

Concen: 0.215 ug/L

RT: 3.40 min Scan# 641

Delta R.T. 0.00 min

Lab File: VU038055.D

Acq: 07 May 2020 21:36

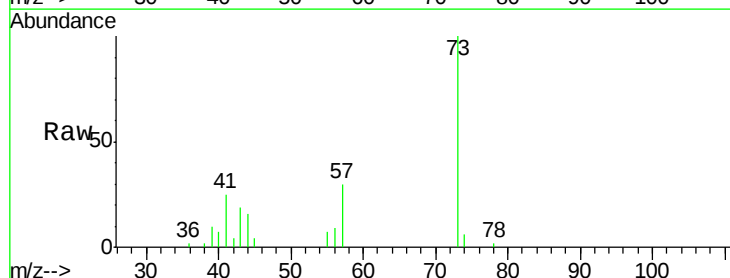
Tgt Ion: 73 Resp: 15298

Ion Ratio Lower Upper

73 100

43 23.9 16.9 25.3

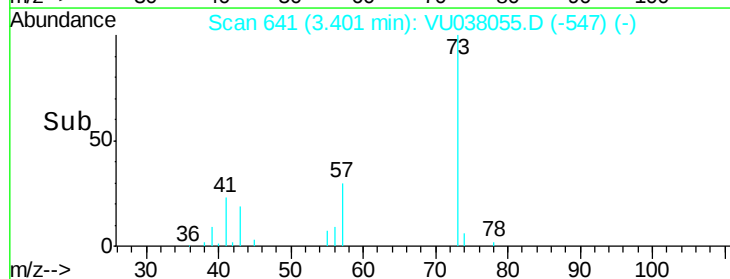
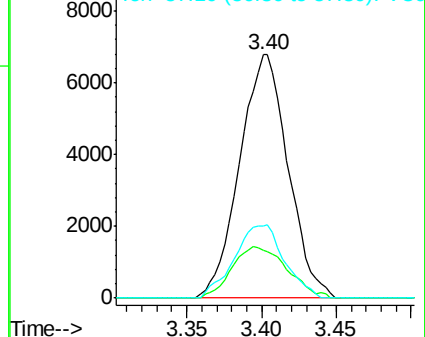
57 31.0 18.2 27.2#

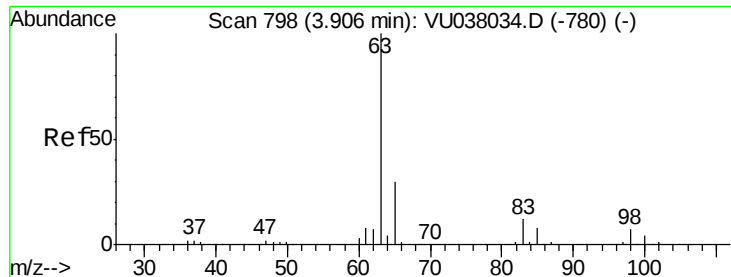


Abundance Ion 73.10 (72.80 to 73.80): VU038034.D (-621) (-)

Ion 43.05 (42.75 to 43.75): VU038034.D (-621) (-)

Ion 57.10 (56.80 to 57.80): VU038034.D (-621) (-)





#19

1,1-Dichloroethane

Concen: 0.175 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.01 min

Lab File: VU038055.D

Acq: 07 May 2020 21:36

Instrument :

MSVOA_U

ClientSampled :

BFSK5

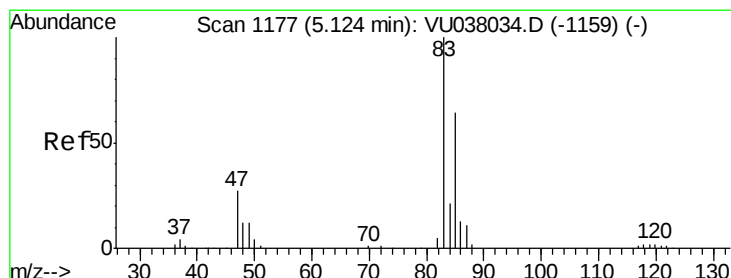
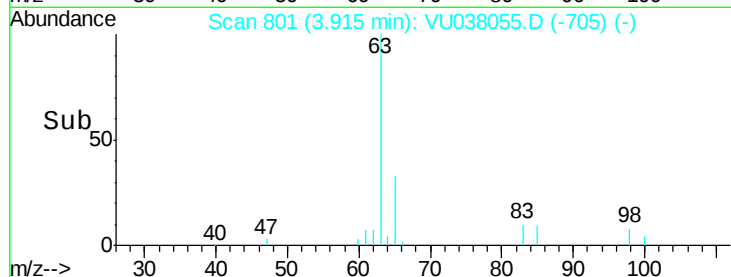
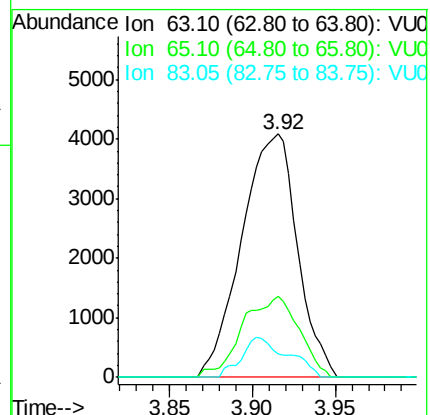
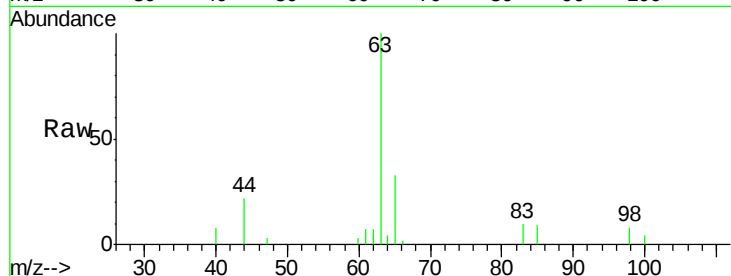
Tot Ion: 63 Resp: 9540

Ion Ratio Lower Upper

63 100

65 33.2 22.5 41.7

83 9.5 8.9 16.5



#25

Chloroform

Concen: 0.754 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038055.D

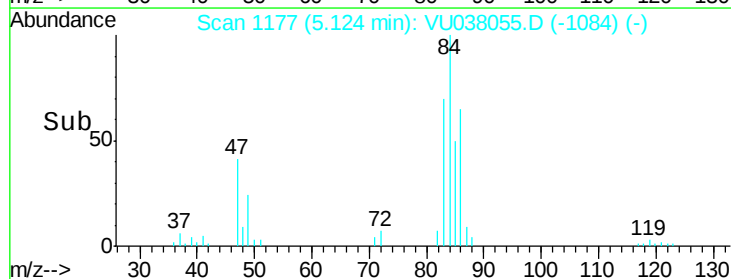
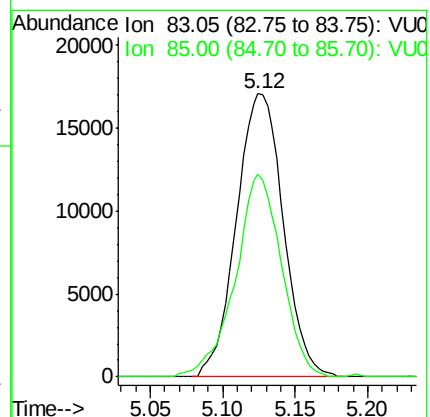
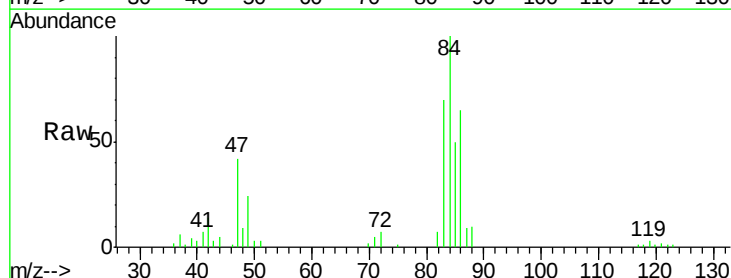
Acq: 07 May 2020 21:36

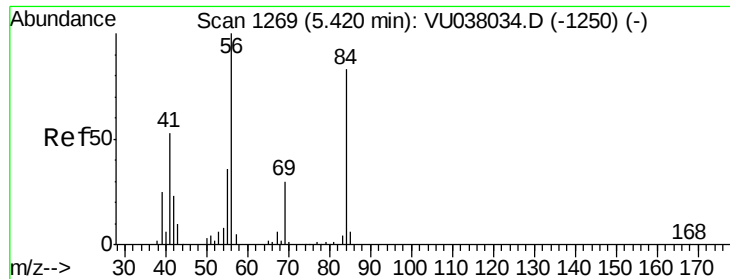
Tgt Ion: 83 Resp: 38377

Ion Ratio Lower Upper

83 100

85 71.5 46.2 85.8

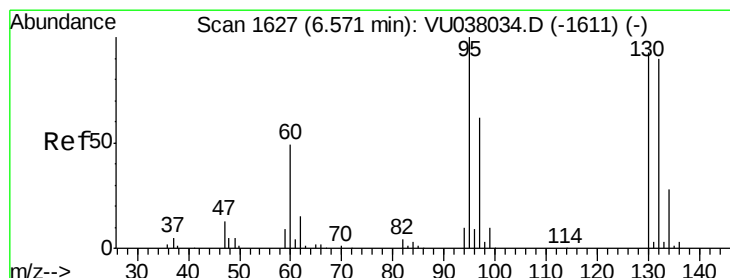
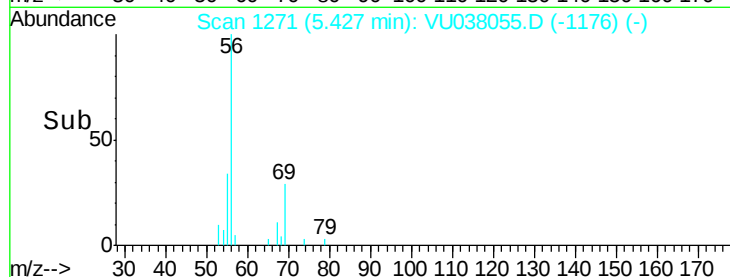
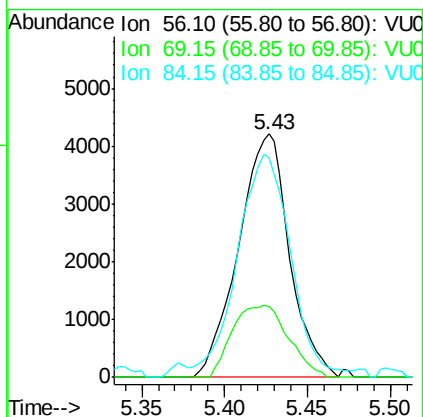
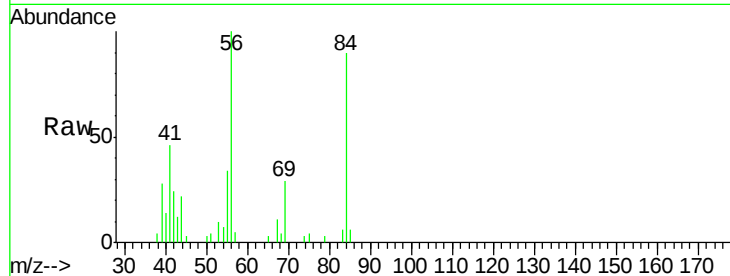




#30
Cyclohexane
Concen: 0.185 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VU038055.D
Acq: 07 May 2020 21:36

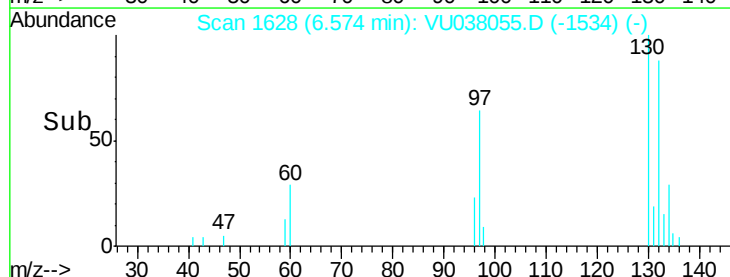
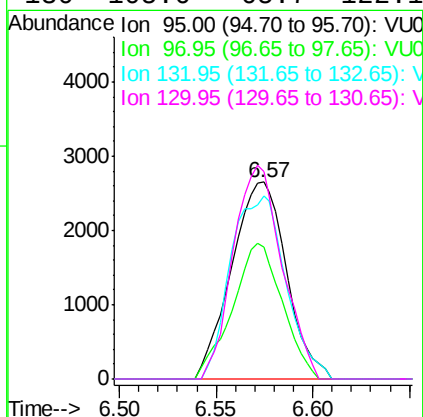
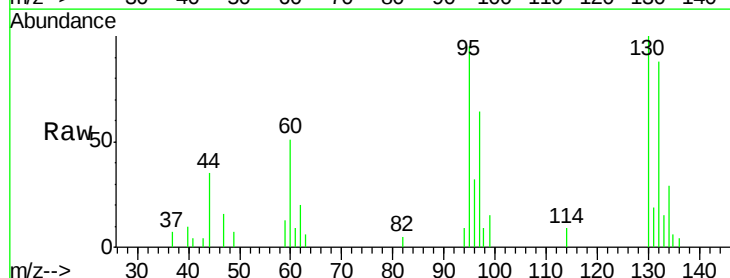
Instrument :
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BFSK5

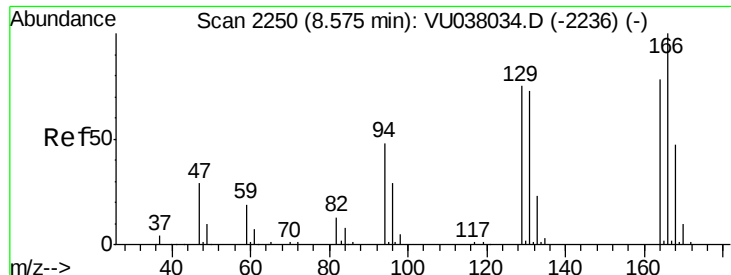
Tot Ion: 56 Resp: 8987
Ion Ratio Lower Upper
56 100
69 32.5 24.2 36.4
84 88.4 68.5 102.7



#34
Trichloroethene
Concen: 0.181 ug/L
RT: 6.57 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VU038055.D
Acq: 07 May 2020 21:36

Tgt Ion: 95 Resp: 5221
Ion Ratio Lower Upper
95 100
97 67.3 44.9 83.3
132 93.1 63.3 117.5
130 105.6 65.7 122.1





#47

Tetrachloroethene

Concen: 10.040 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038055.D

Acq: 07 May 2020 21:36

Instrument :

MSVOA_U

ClientSampled :

BFSK5

Tot Ion:164 Resp: 202225

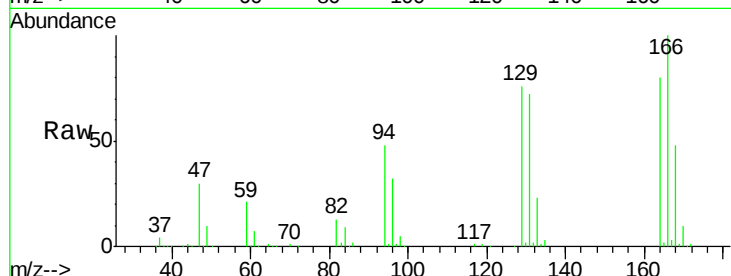
Ion Ratio Lower Upper

164 100

129 95.1 68.8 127.8

131 90.5 66.8 124.2

166 124.9 88.9 165.1

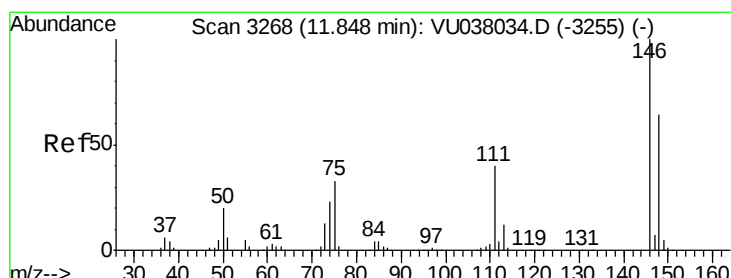
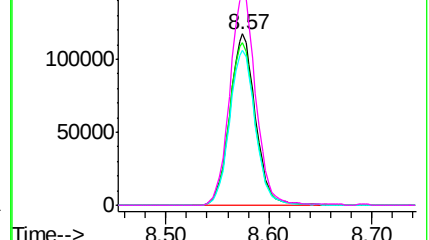
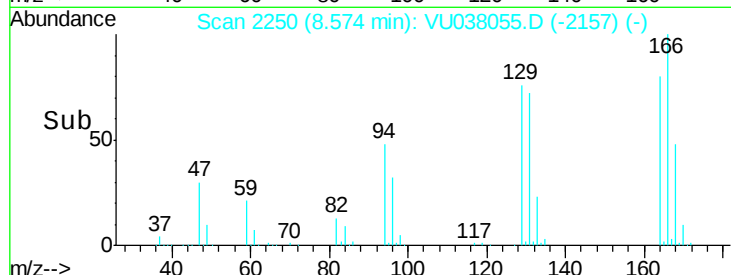


Abundance Ion 163.90 (163.60 to 164.60): V

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



#63

1,4-Dichlorobenzene

Concen: 0.077 ug/L

RT: 11.85 min Scan# 3268

Delta R.T. -0.00 min

Lab File: VU038055.D

Acq: 07 May 2020 21:36

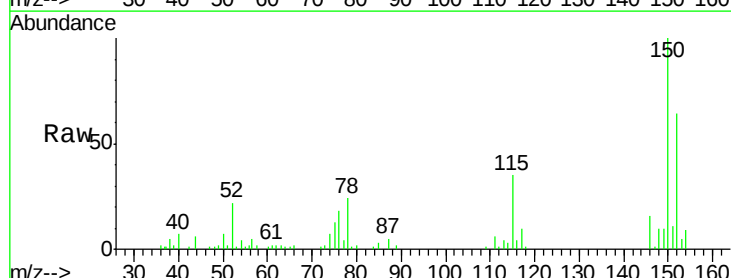
Tgt Ion:146 Resp: 4203

Ion Ratio Lower Upper

146 100

111 35.0 27.2 50.6

148 62.4 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

