

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038229.D
 Acq On : 19 May 2020 13:00
 Operator : JC/MD
 Sample : L2657-03DL 4X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 20 01:27:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 20 01:25:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	397578	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	394474	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	189888	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	106075	2.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.40%
7) Chloroethane-d5	1.93	69	107332	3.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.20%
11) 1,1-Dichloroethene-d2	2.58	63	133622	2.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	44.00%#
20) 2-Butanone-d5	4.67	46	449685	50.12	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.24%
24) Chloroform-d	5.10	84	195839	3.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.00%
26) 1,2-Dichloroethane-d4	5.74	65	125900	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
32) Benzene-d6	5.76	84	406302	3.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.80%#
36) 1,2-Dichloropropane-d6	6.72	67	140316	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.60%
41) Toluene-d8	7.92	98	345302	3.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.00%#
43) trans-1,3-Dichloropropene-	8.20	79	53334	3.49	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.80%
46) 2-Hexanone-d5	8.67	63	351076	48.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.30%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	126341	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	140891	3.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	76.20%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	15634	0.430	ug/L 100
9) Trichlorofluoromethane	2.14	101	210739	4.800	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	5909	0.217	ug/L # 86
12) 1,1-Dichloroethene	2.59	96	4678	0.170	ug/L # 1
16) Methylene chloride	3.07	84	2331	0.072	ug/L # 70
17) Methyl tert-butyl Ether	3.40	73	26081	0.340	ug/L 99
18) trans-1,2-Dichloroethene	3.38	96	5872	0.195	ug/L 89
19) 1,1-Dichloroethane	3.90	63	12321	0.209	ug/L 97
22) cis-1,2-Dichloroethene	4.71	96	13979	0.431	ug/L 93
34) Trichloroethene	6.57	95	132885	4.206	ug/L 98
35) Methylcyclohexane	6.72	83	30617	0.598	ug/L # 15
37) 1,2-Dichloropropane	6.72	63	14229	0.415	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	3716	0.076	ug/L # 72
47) Tetrachloroethene	8.57	164	114074	5.162	ug/L 99
48) 2-Hexanone	8.72	43	19230	1.104	ug/L # 94
49) Dibromochloromethane	8.57	129	111880	4.524	ug/L # 10
59) 1,2,3-Trichloropropane	11.83	75	27781	1.206	ug/L 97

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Response via : Initial Calibration

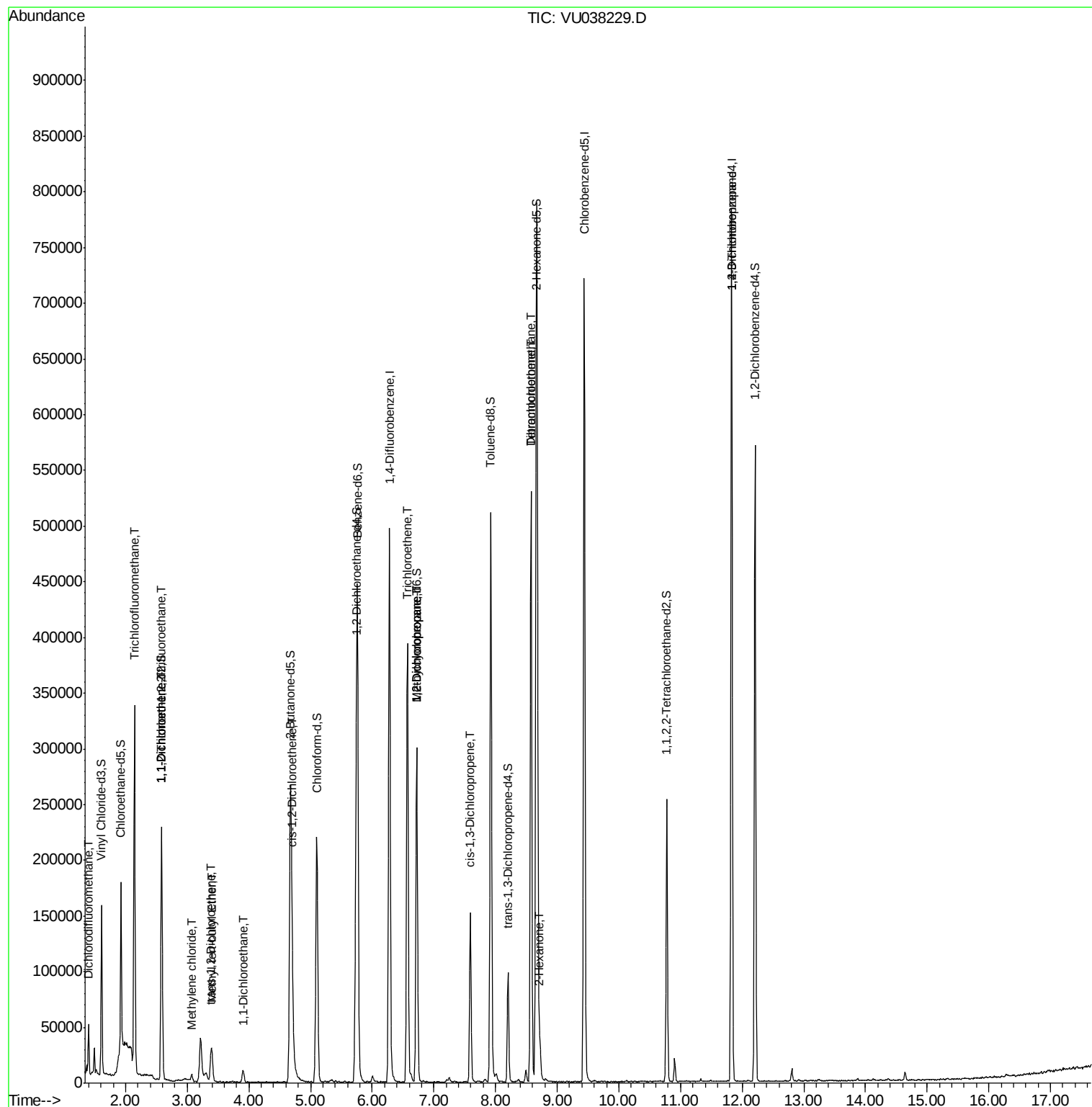
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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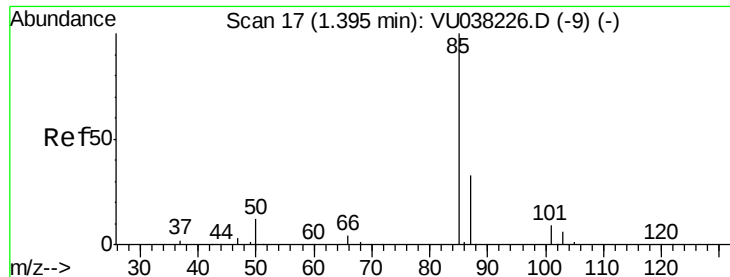
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU051920\
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#2

Dichlorodifluoromethane

Concen: 0.430 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

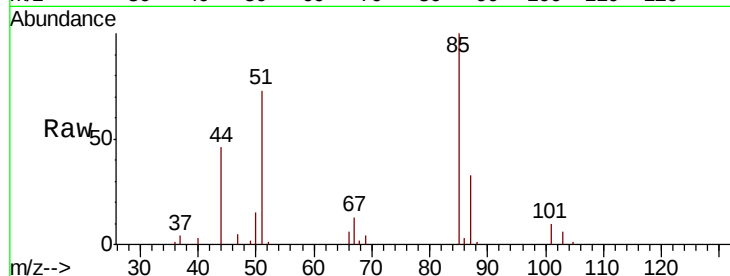
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 15634

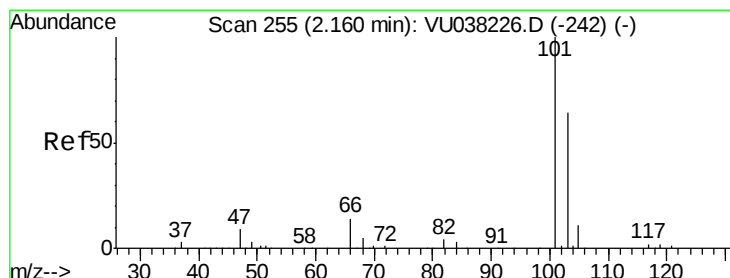
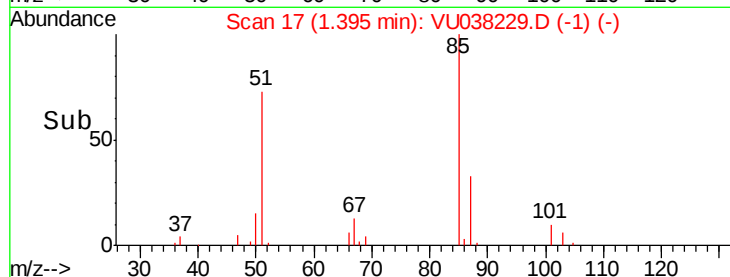
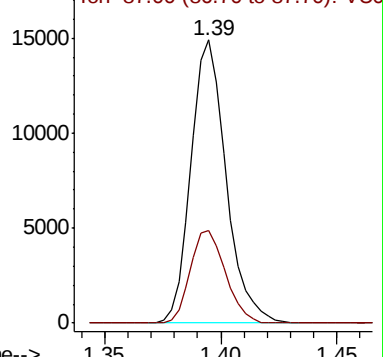
Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038226.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 4.800 ug/L

RT: 2.14 min Scan# 250

Delta R.T. -0.02 min

Lab File: VU038229.D

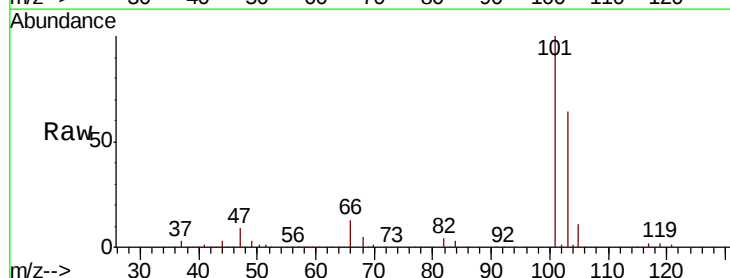
Acq: 19 May 2020 13:00

Tgt Ion: 101 Resp: 210739

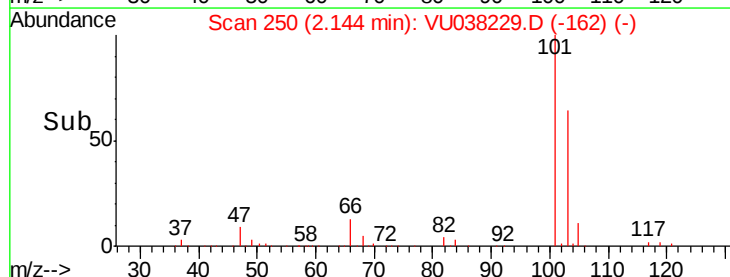
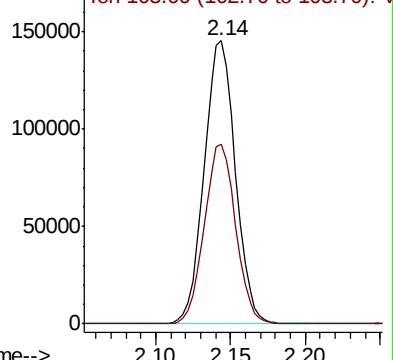
Ion Ratio Lower Upper

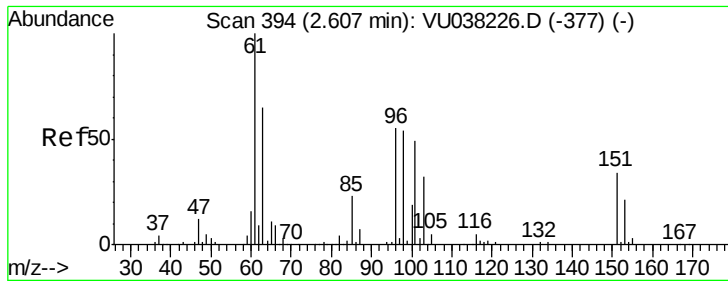
101 100

103 64.0 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038226.D (-242) (-)





#10

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

Concen: 0.217 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Instrument :

MSVOA_U

ClientSampled :

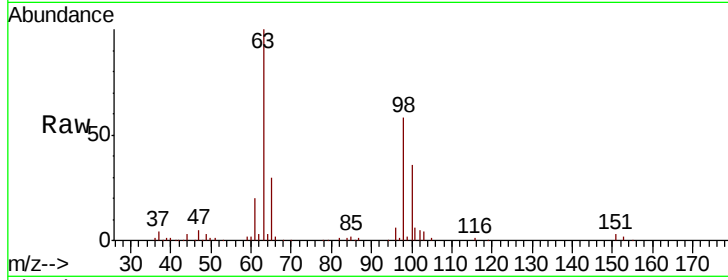
Tot Ion:101 Resp: 5909

Ion Ratio Lower Upper

101 100

85 42.0 35.3 52.9

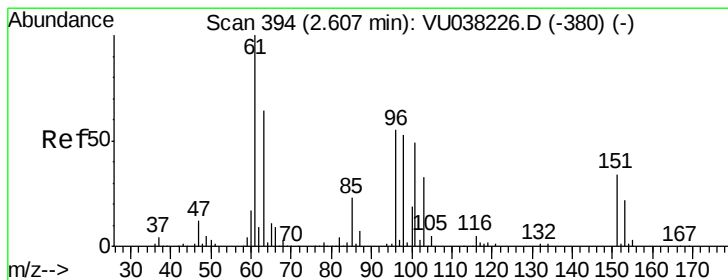
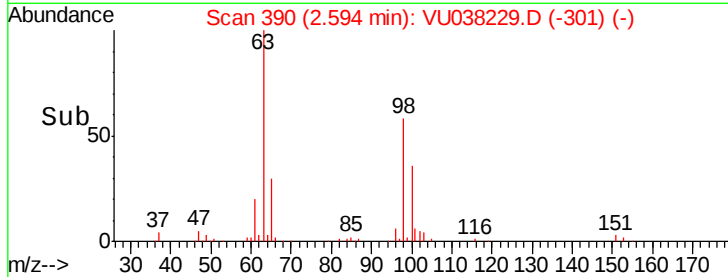
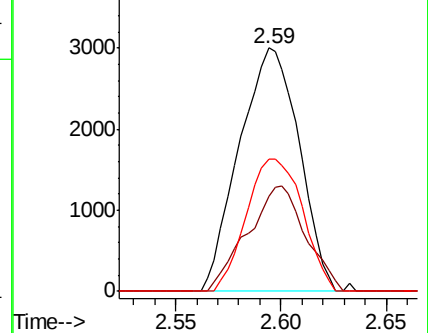
151 51.2 54.2 81.2#



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: 0.170 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

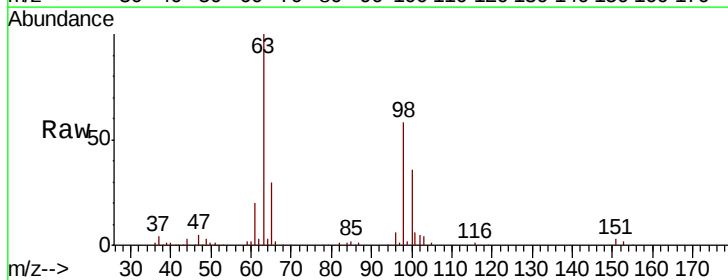
Tgt Ion: 96 Resp: 4678

Ion Ratio Lower Upper

96 100

61 348.5 126.2 234.4#

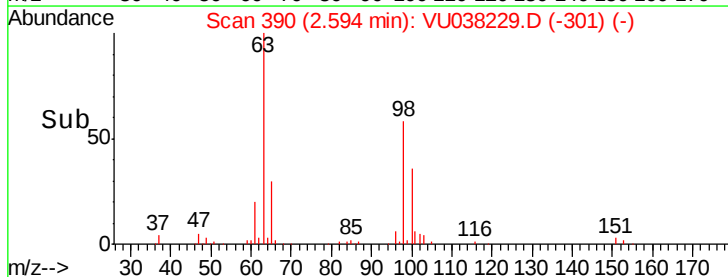
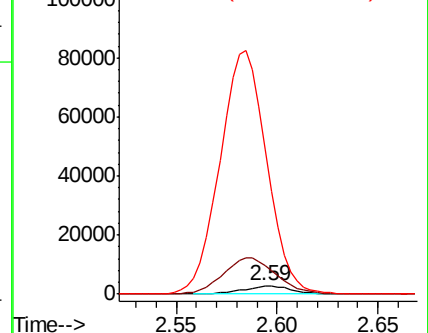
63 1768.6 96.9 179.9#

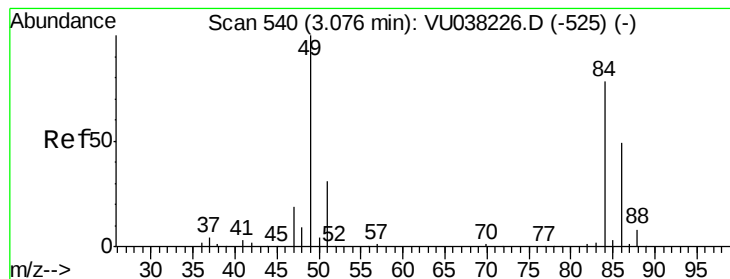


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 0.072 ug/L

RT: 3.07 min Scan# 538

Delta R.T. -0.01 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Instrument :

MSVOA_U

ClientSampled :

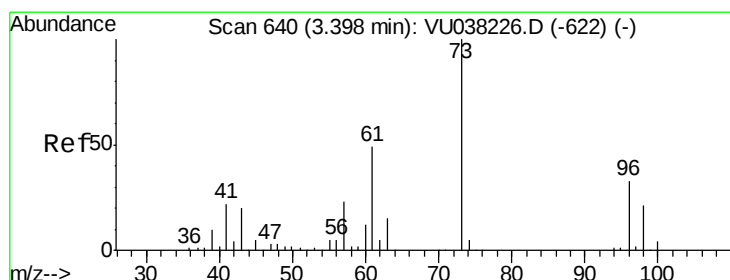
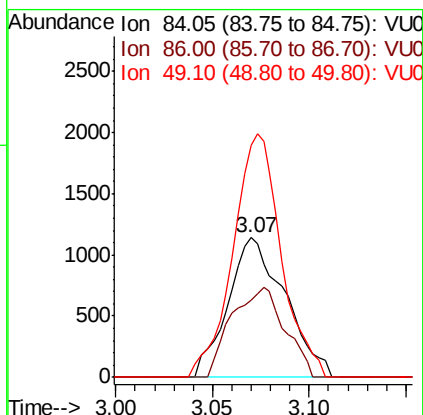
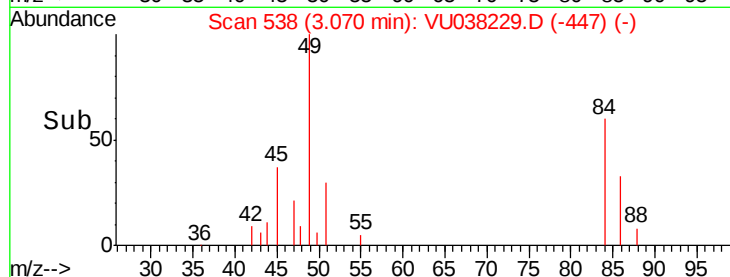
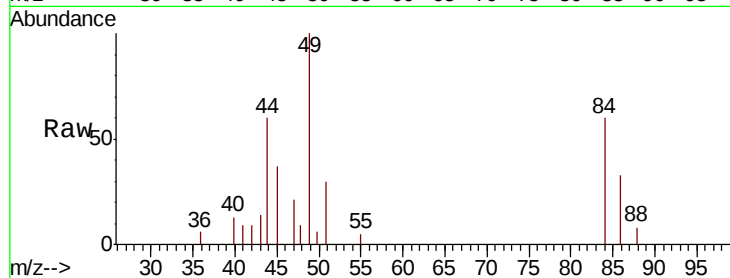
Tot Ion: 84 Resp: 2331

Ion Ratio Lower Upper

84 100

86 55.0 44.9 83.3

49 176.9 92.0 170.9#



#17

Methyl tert-butyl Ether

Concen: 0.340 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

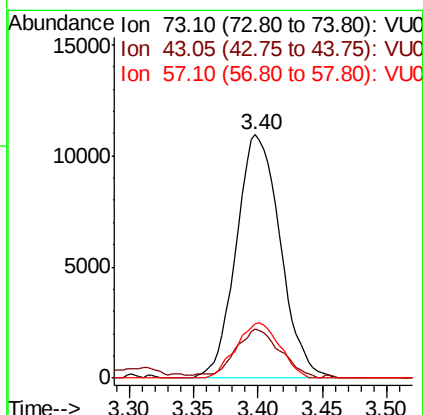
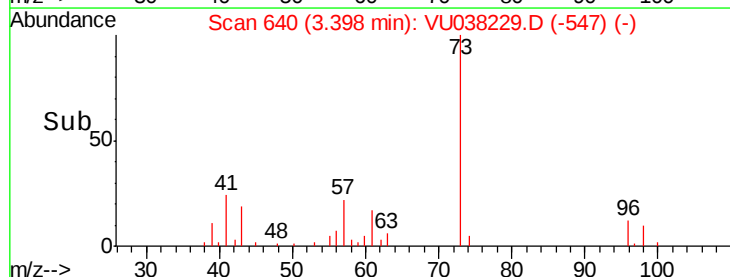
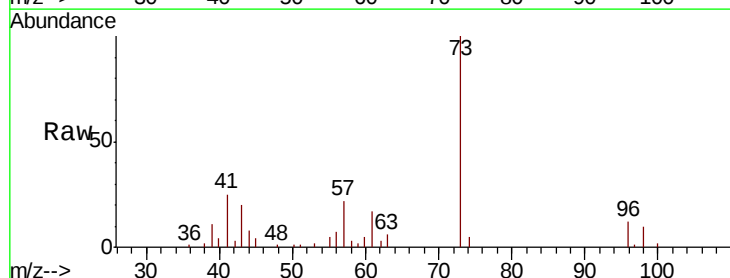
Tgt Ion: 73 Resp: 26081

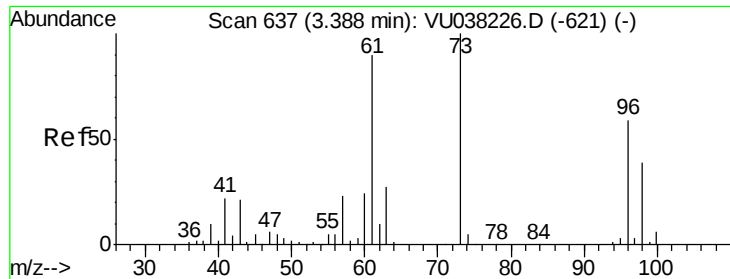
Ion Ratio Lower Upper

73 100

43 20.3 16.9 25.3

57 22.3 18.2 27.2





#18

trans-1,2-Dichloroethene

Concen: 0.195 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.01 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Instrument :

MSVOA_U

ClientSampled :

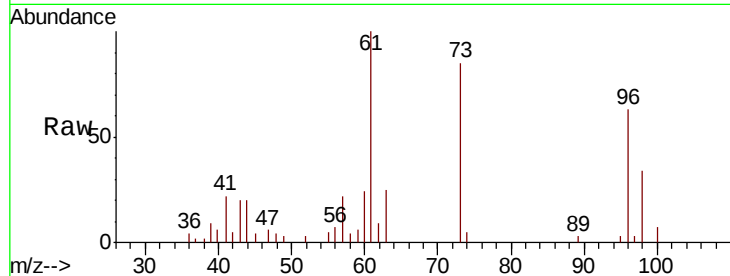
Tot Ion: 96 Resp: 5872

Ion Ratio Lower Upper

96 100

61 157.9 102.1 189.5

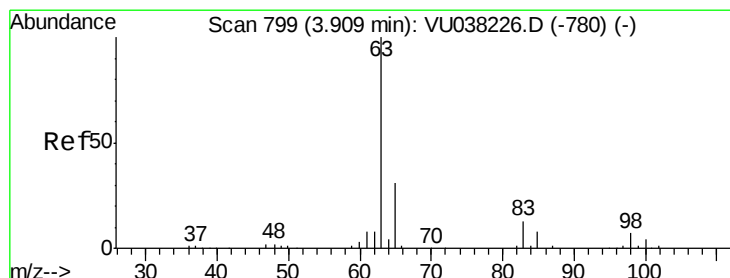
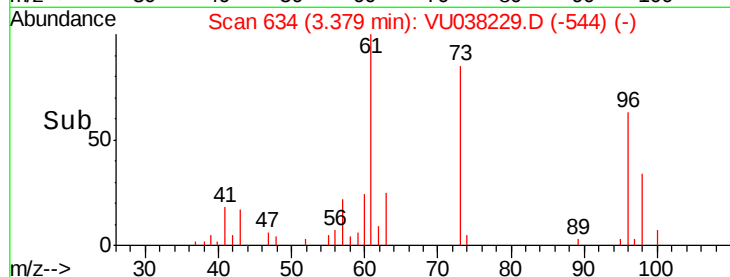
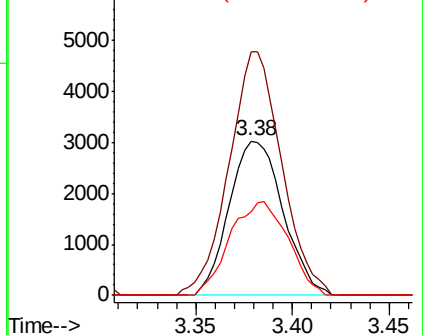
98 54.1 45.6 84.8



Abundance Ion 96.00 (95.70 to 96.70): VU038229.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU038229.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU038229.D (-544) (-)



#19

1,1-Dichloroethane

Concen: 0.209 ug/L

RT: 3.90 min Scan# 797

Delta R.T. -0.01 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

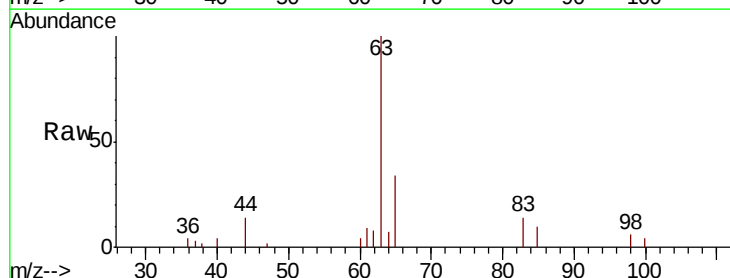
Tgt Ion: 63 Resp: 12321

Ion Ratio Lower Upper

63 100

65 33.7 22.5 41.7

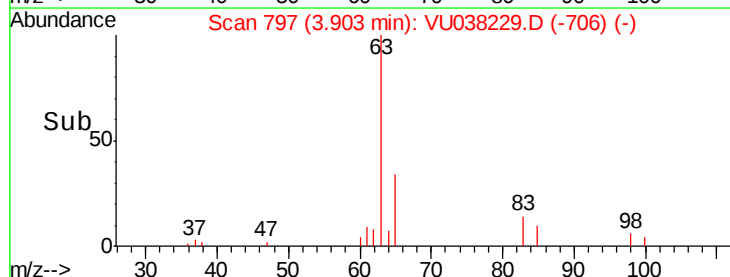
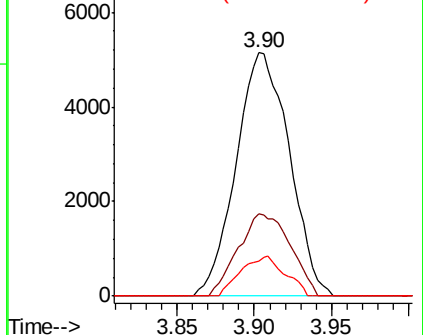
83 14.4 8.9 16.5

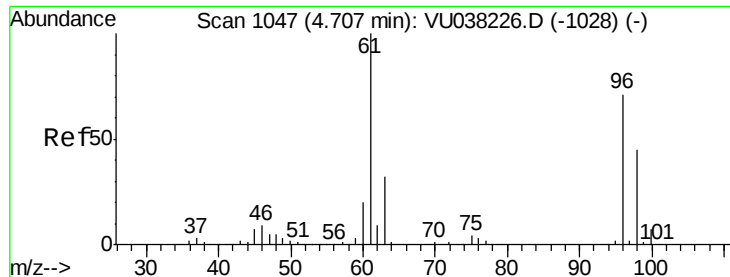


Abundance Ion 63.10 (62.80 to 63.80): VU038229.D (-706) (-)

Ion 65.10 (64.80 to 65.80): VU038229.D (-706) (-)

Ion 83.05 (82.75 to 83.75): VU038229.D (-706) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.431 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Instrument :

MSVOA_U

ClientSampleId :

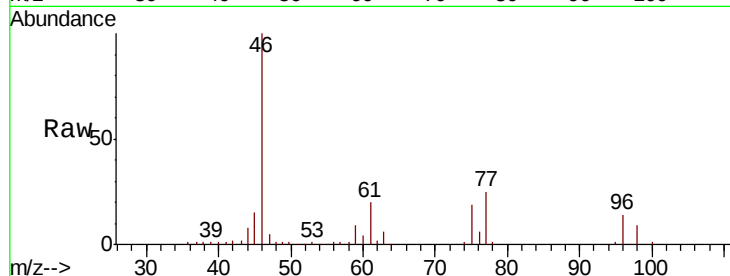
Tot Ion: 96 Resp: 13979

Ion Ratio Lower Upper

96 100

61 144.7 95.3 176.9

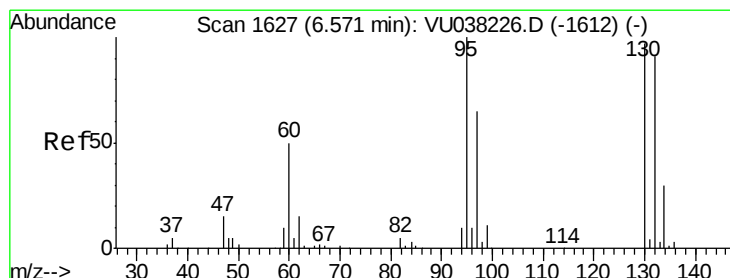
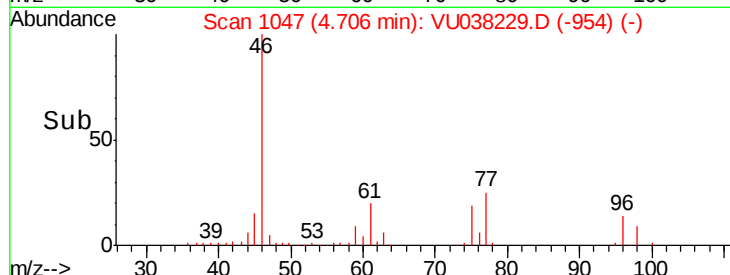
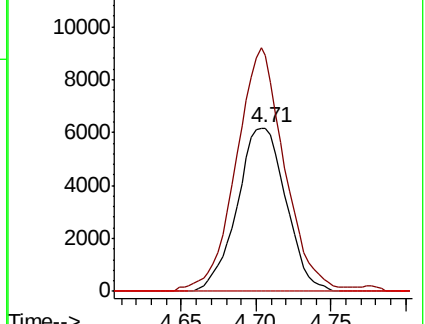
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038229.D (-1534) (-)

Ion 61.05 (60.75 to 61.75): VU038229.D (-1534) (-)

Ion 68.15 (67.85 to 68.85): VU038229.D (-1534) (-)



#34

Trichloroethene

Concen: 4.206 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Tgt Ion: 95 Resp: 132885

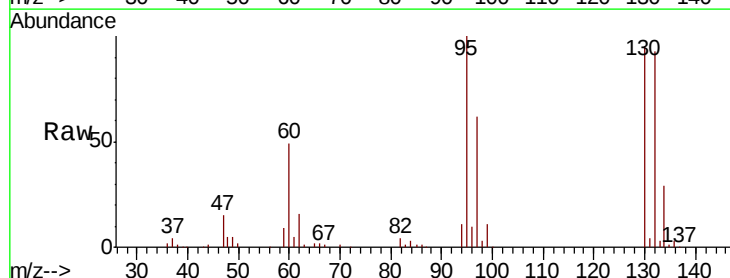
Ion Ratio Lower Upper

95 100

97 61.9 44.9 83.3

132 92.7 63.3 117.5

130 95.0 65.7 122.1

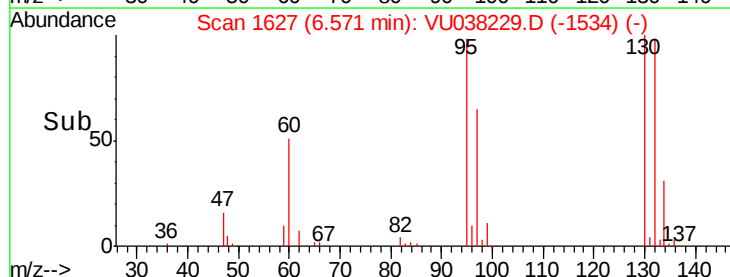
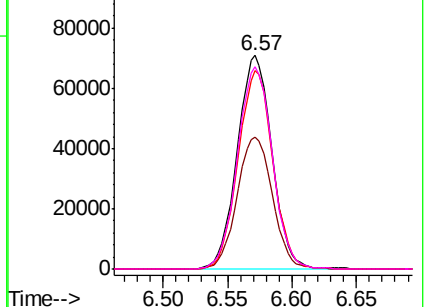


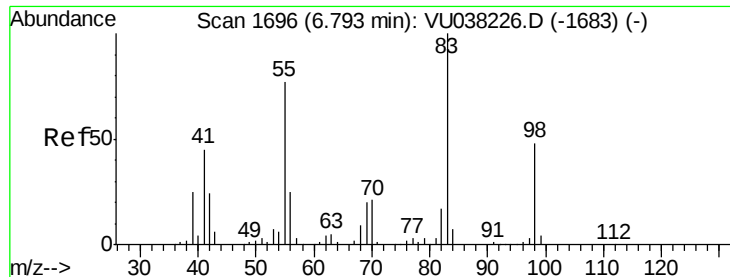
Abundance Ion 95.00 (94.70 to 95.70): VU038229.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038229.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038229.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038229.D (-1534) (-)

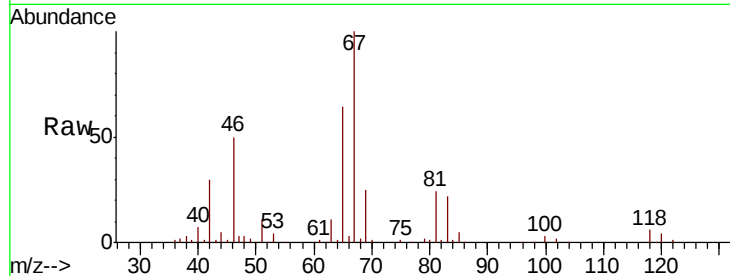




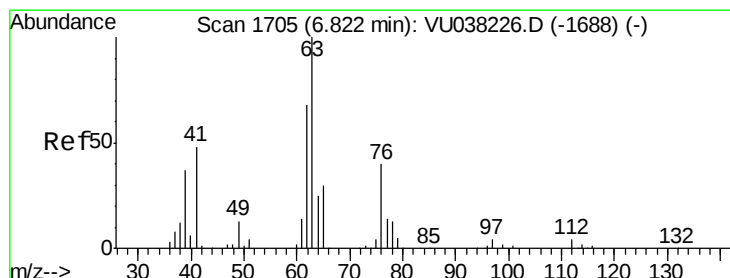
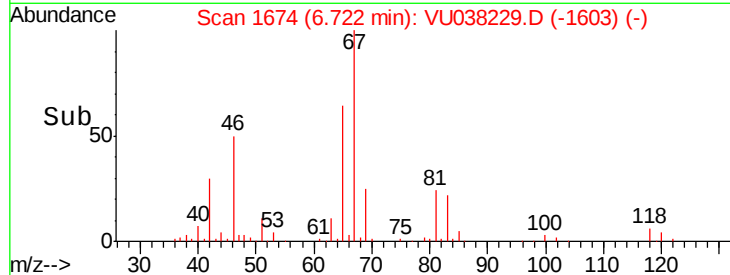
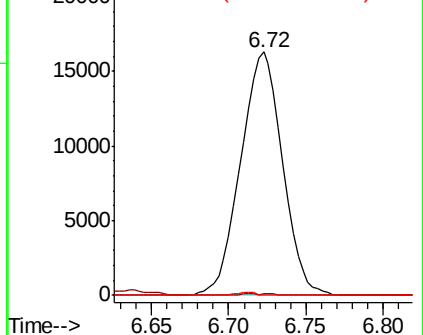
#35
Methvlcvclohexane
Concen: 0.598 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038229.D
Acq: 19 May 2020 13:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 30617
Ion Ratio Lower Upper
83 100
55 0.2 66.7 100.1#
98 0.0 39.4 59.2#

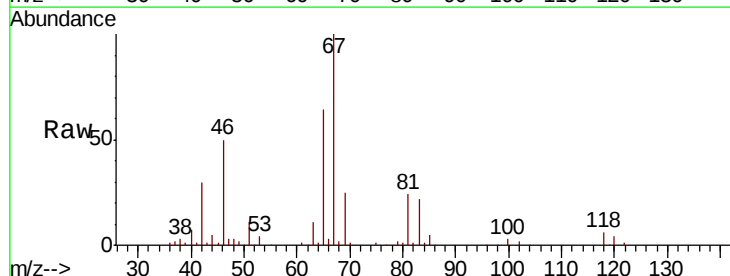


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

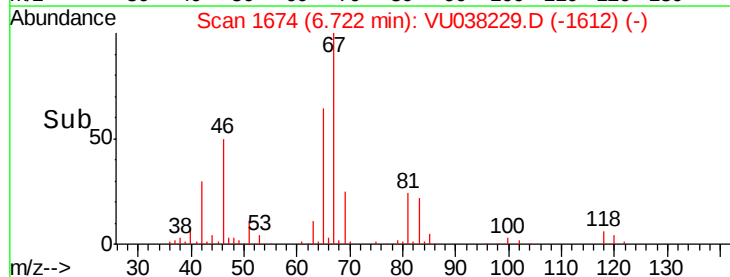
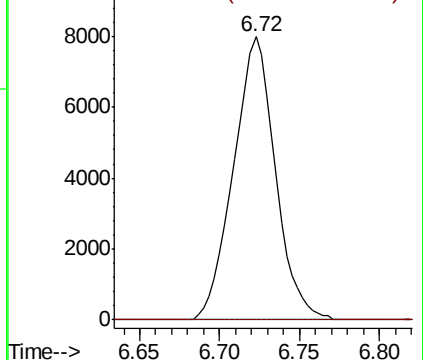


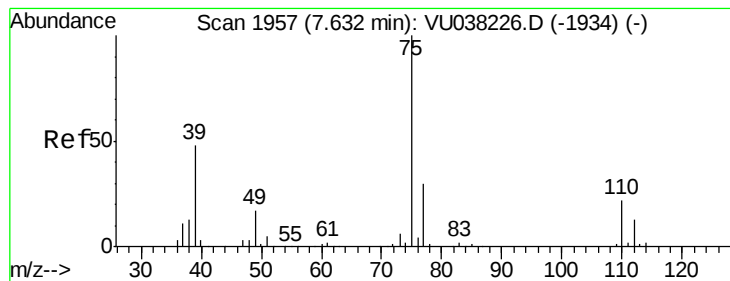
#37
1,2-Dichloropropane
Concen: 0.415 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038229.D
Acq: 19 May 2020 13:00

Tgt Ion: 63 Resp: 14229
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



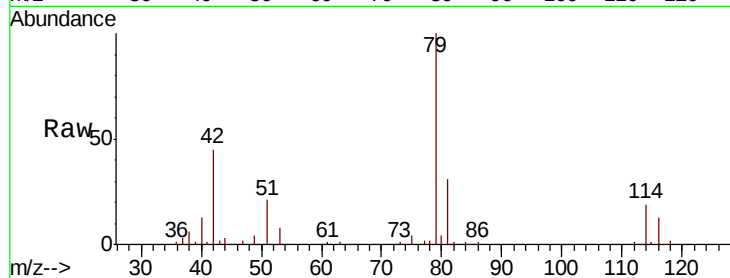


#39

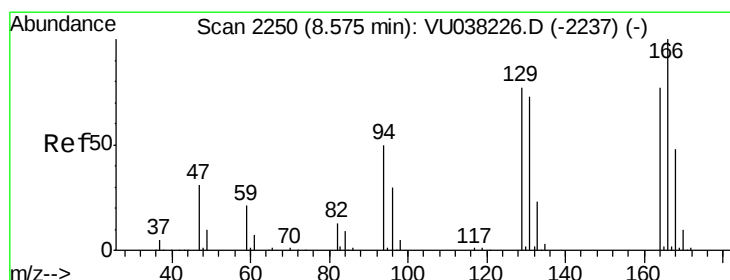
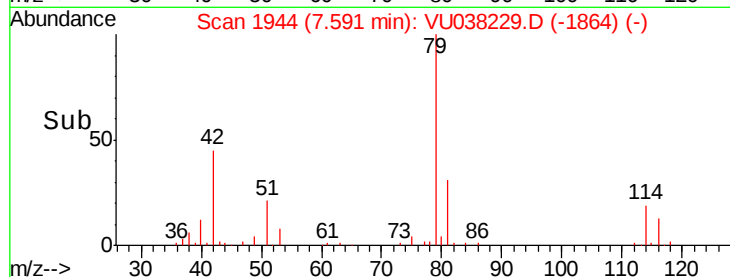
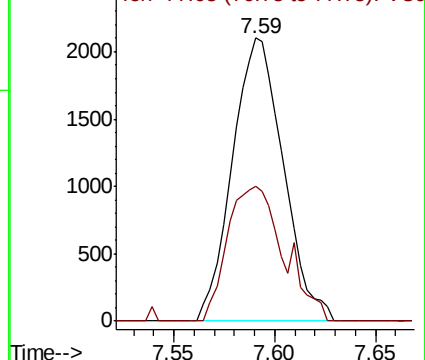
cis-1,3-Dichloropropene
Concen: 0.076 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038229.D
Acq: 19 May 2020 13:00

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 75 Resp: 3716
Ion Ratio Lower Upper
75 100
77 47.6 22.4 41.6#



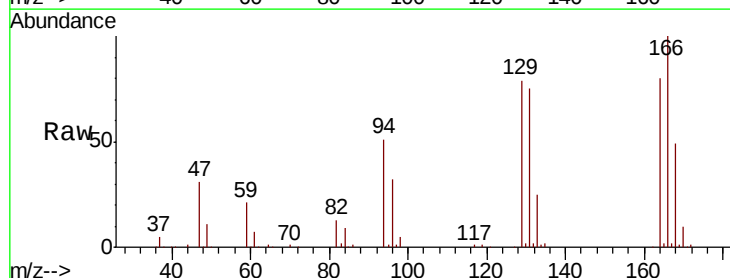
Abundance Ion 75.05 (74.75 to 75.75): VU038229.D (-1864) (-)
Ion 77.05 (76.75 to 77.75): VU038229.D (-1864) (-)



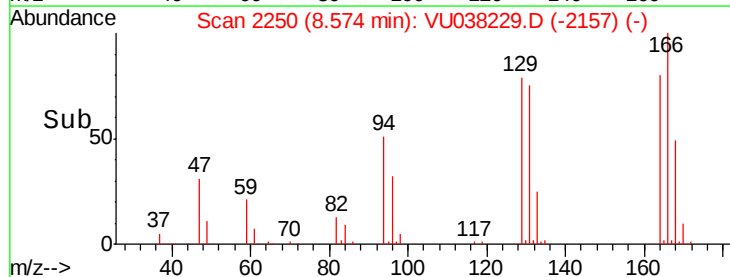
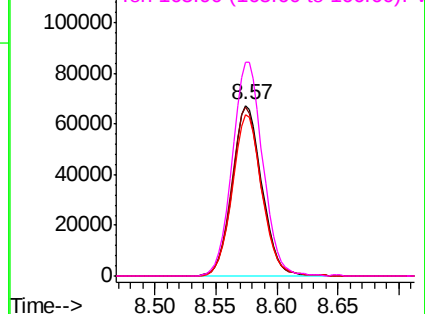
#47

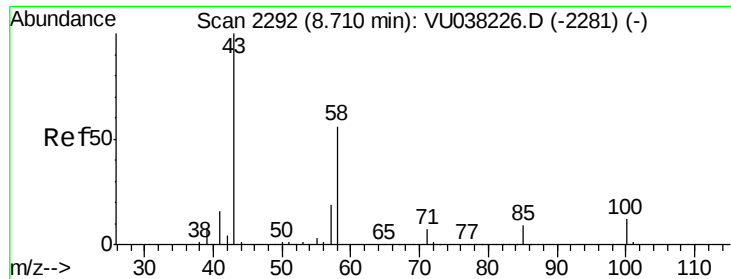
Tetrachloroethene
Concen: 5.162 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038229.D
Acq: 19 May 2020 13:00

Tgt Ion: 164 Resp: 114074
Ion Ratio Lower Upper
164 100
129 99.2 68.8 127.8
131 94.2 66.8 124.2
166 125.0 88.9 165.1



Abundance Ion 163.90 (163.60 to 164.60): VU038229.D (-2157) (-)
Ion 128.95 (128.65 to 129.65): VU038229.D (-2157) (-)
Ion 130.95 (130.65 to 131.65): VU038229.D (-2157) (-)
Ion 165.90 (165.60 to 166.60): VU038229.D (-2157) (-)

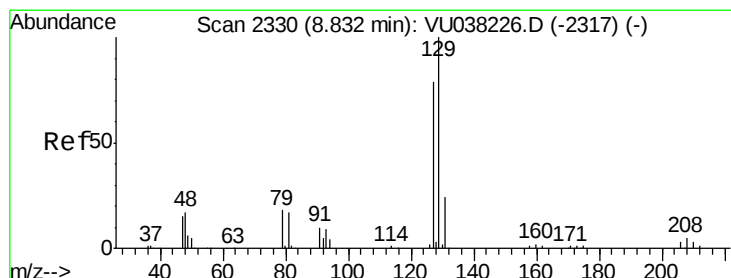
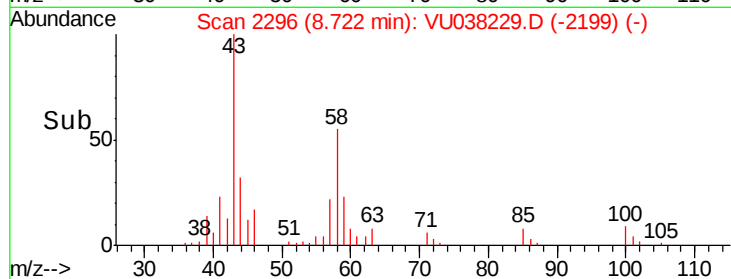
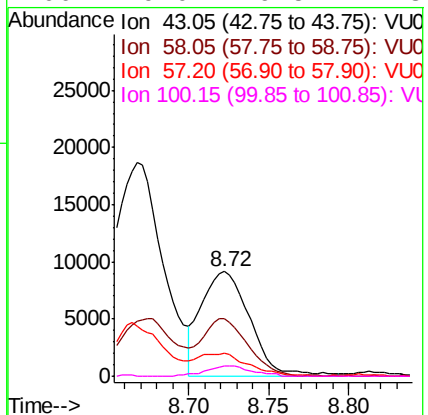
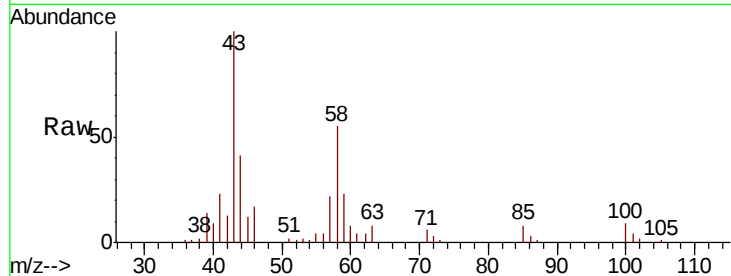




#48
2-Hexanone
Concen: 1.104 ug/L
RT: 8.72 min Scan# 2296
Delta R.T. 0.01 min
Lab File: VU038229.D
Acq: 19 May 2020 13:00

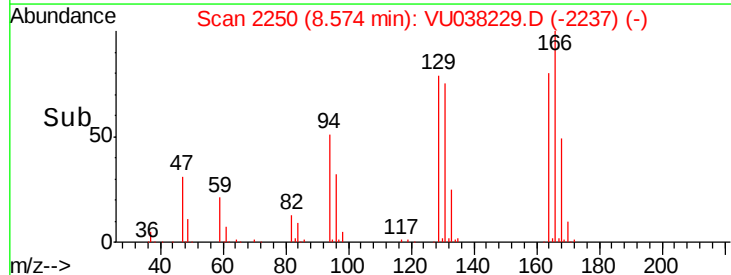
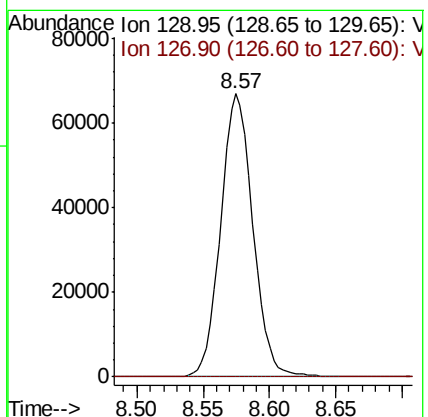
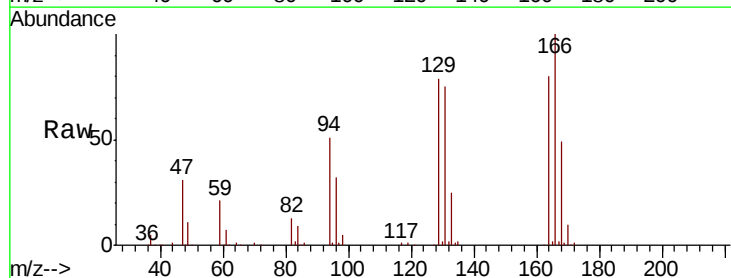
Instrument :
MSVOA_U
ClientSampled :

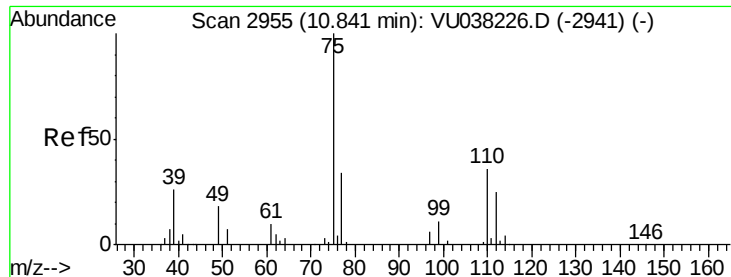
Tot Ion: 43 Resp: 19230
Ion Ratio Lower Upper
43 100
58 52.2 45.2 67.8
57 22.0 15.5 23.3
100 9.0 9.5 14.3#



#49
Dibromochloromethane
Concen: 4.524 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038229.D
Acq: 19 May 2020 13:00

Tgt Ion: 129 Resp: 111880
Ion Ratio Lower Upper
129 100
127 0.2 55.6 103.4#





#59

1,2,3-Trichloropropane

Concen: 1.206 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038229.D

Acq: 19 May 2020 13:00

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 27781

Ion Ratio Lower Upper

75 100

77 33.1 25.4 38.0

