

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051920\
 Data File : VU038228.D
 Acq On : 19 May 2020 12:24
 Operator : JC/MD
 Sample : L2657-01DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 20 01:26:56 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	371389	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	361436	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	172250	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	105398	3.10	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.00%
7) Chloroethane-d5	1.93	69	103237	3.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.20%
11) 1,1-Dichloroethene-d2	2.59	63	134726	2.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	47.40%#
20) 2-Butanone-d5	4.68	46	448011	53.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.90%
24) Chloroform-d	5.10	84	202367	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.74	65	126619	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.76	84	405514	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.80%
36) 1,2-Dichloropropane-d6	6.72	67	138902	3.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.40%
41) Toluene-d8	7.92	98	336512	3.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.20%#
43) trans-1,3-Dichloropropene-	8.20	79	53519	3.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.40%
46) 2-Hexanone-d5	8.66	63	331407	50.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.24%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	124605	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	137936	4.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.20%

Target Compounds

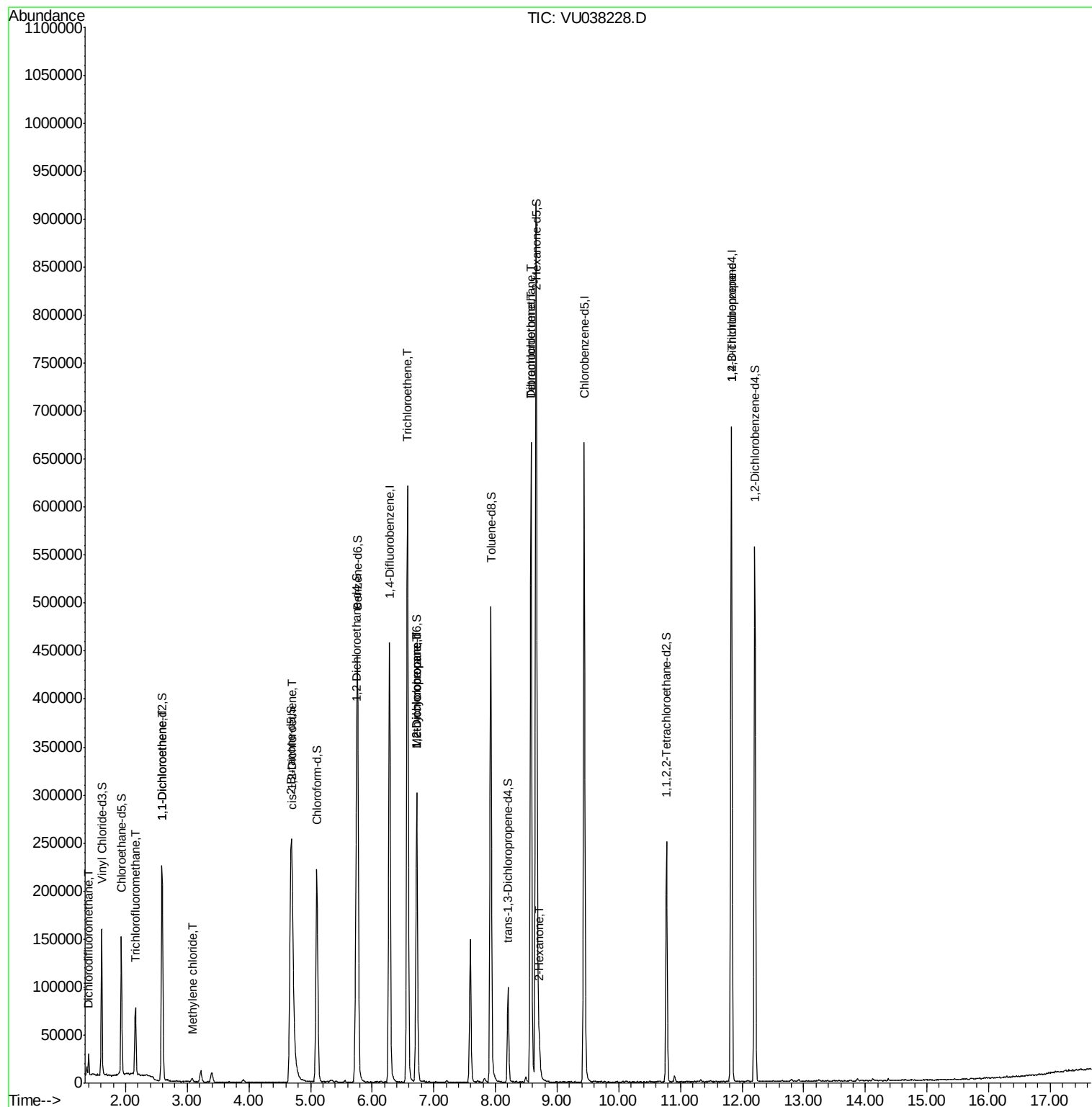
					Ovalue
2) Dichlorodifluoromethane	1.39	85	6321	0.186 ug/L	99
9) Trichlorofluoromethane	2.16	101	44065	1.074 ug/L	97
12) 1,1-Dichloroethene	2.60	96	4339	0.168 ug/L #	1
16) Methylene chloride	3.08	84	1816	0.060 ug/L	94
22) cis-1,2-Dichloroethene	4.71	96	23482	0.774 ug/L	99
34) Trichloroethene	6.57	95	214425	7.407 ug/L	99
35) Methylcyclohexane	6.72	83	31803	0.678 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	15165	0.482 ug/L #	88
47) Tetrachloroethene	8.58	164	148507	7.334 ug/L	98
48) 2-Hexanone	8.71	43	22597	1.416 ug/L	95
49) Dibromochloromethane	8.58	129	142050	6.270 ug/L #	10
59) 1,2,3-Trichloropropane	11.83	75	23548	1.116 ug/L	89

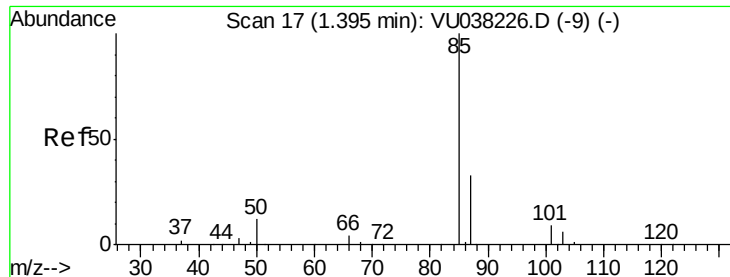
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 20 01:25:15 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.186 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

Instrument :

MSVOA_U

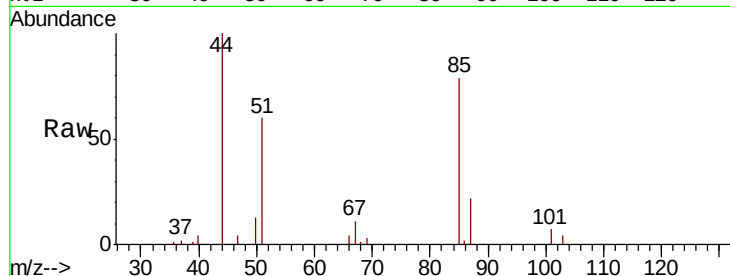
ClientSampleId :

Tot Ion: 85 Resp: 6321

Ion Ratio Lower Upper

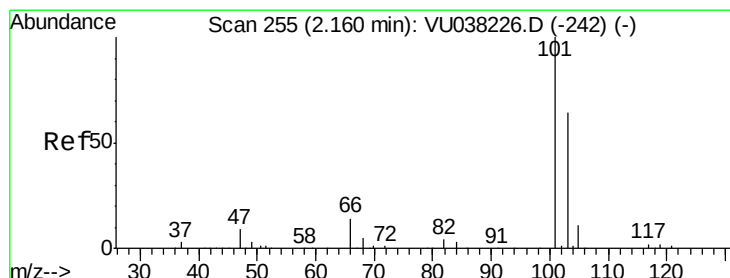
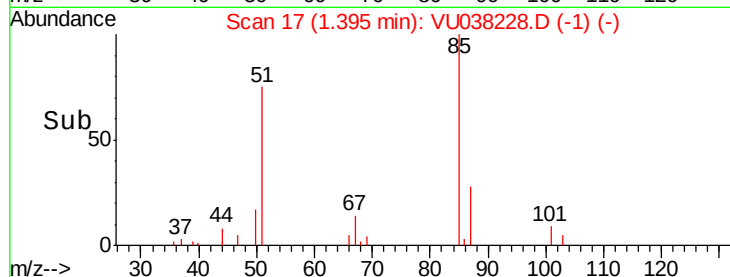
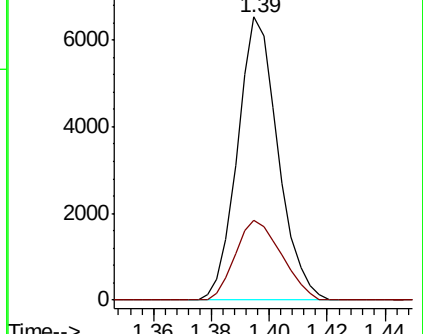
85 100

87 32.3 26.2 39.4



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

Ion 87.00 (86.70 to 87.70): VU038226.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 1.074 ug/L

RT: 2.16 min Scan# 255

Delta R.T. -0.00 min

Lab File: VU038228.D

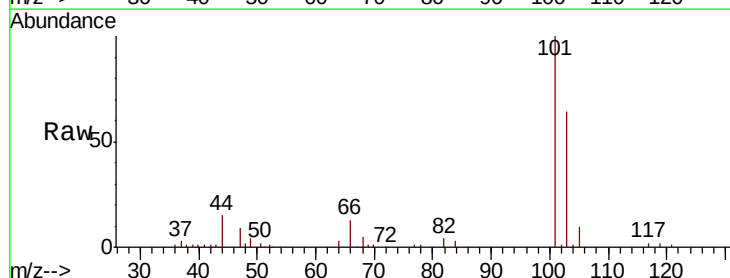
Acq: 19 May 2020 12:24

Tgt Ion: 101 Resp: 44065

Ion Ratio Lower Upper

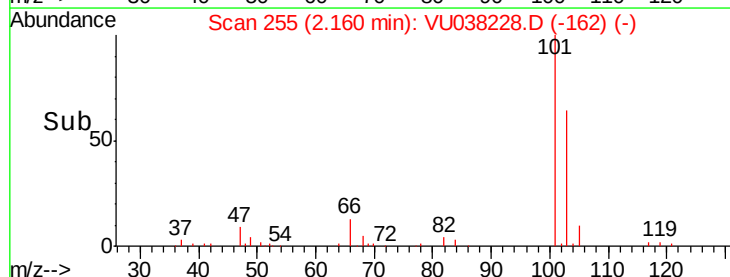
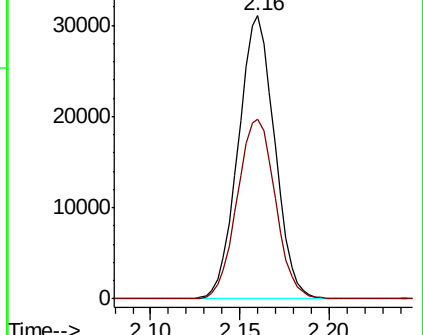
101 100

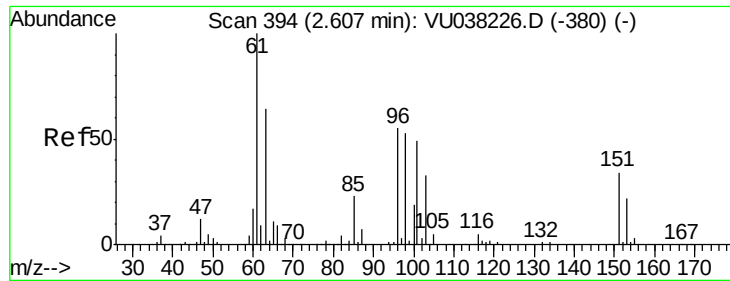
103 66.4 51.0 76.4



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

Ion 103.00 (102.70 to 103.70): VU038226.D (-242) (-)





#12

1,1-Dichloroethene

Concen: 0.168 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

Instrument :

MSVOA_U

ClientSampleId :

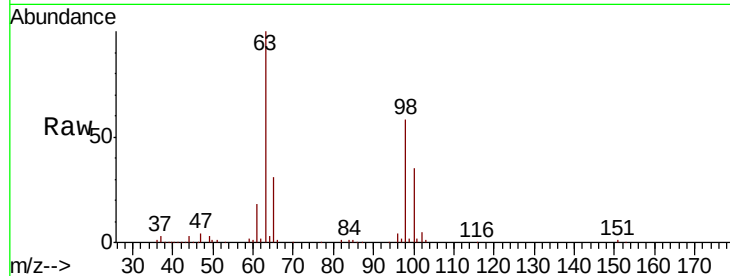
Tot Ion: 96 Resp: 4339

Ion Ratio Lower Upper

96 100

61 512.1 126.2 234.4#

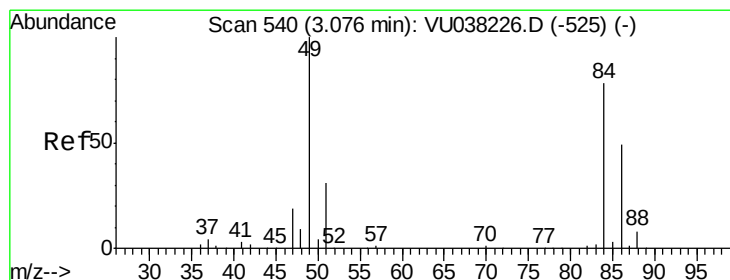
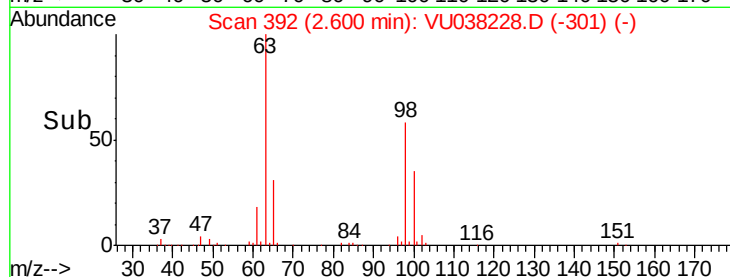
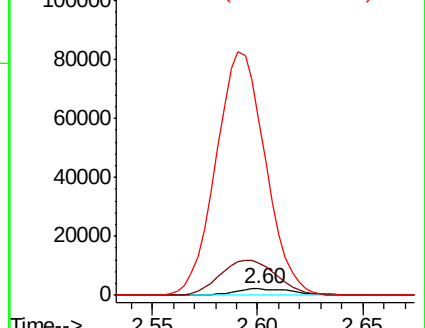
63 2795.2 96.9 179.9#



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: 0.060 ug/L

RT: 3.08 min Scan# 541

Delta R.T. 0.00 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

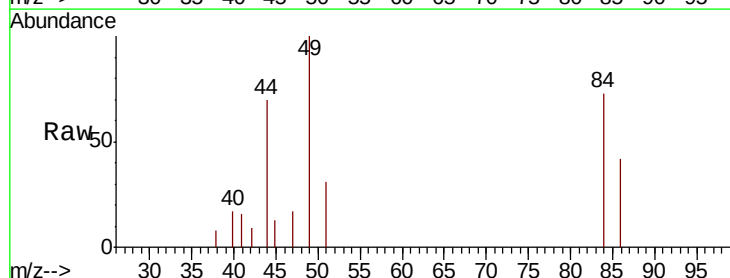
Tgt Ion: 84 Resp: 1816

Ion Ratio Lower Upper

84 100

86 57.0 44.9 83.3

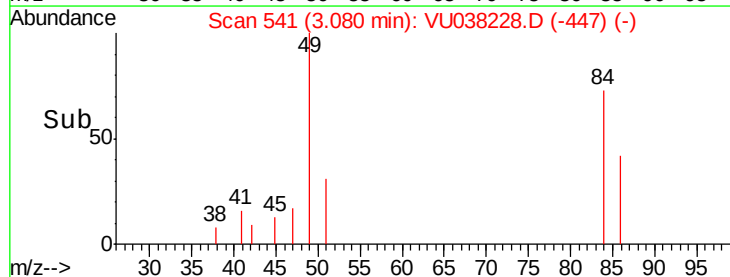
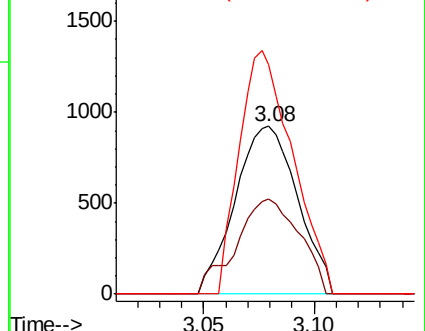
49 137.2 92.0 170.9

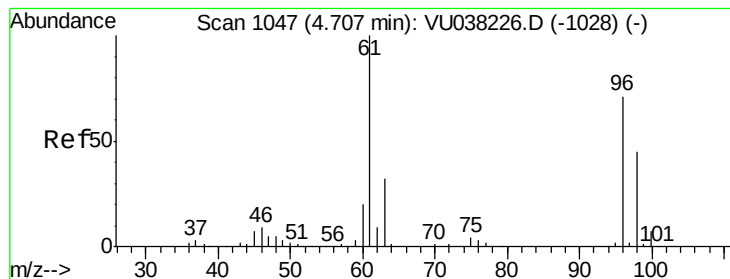


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.774 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

Instrument :

MSVOA_U

ClientSampleId :

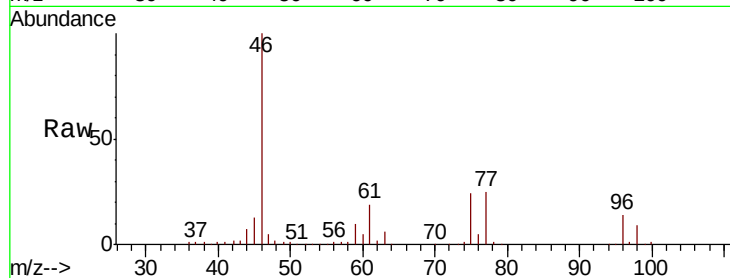
Tot Ion: 96 Resp: 23482

Ion Ratio Lower Upper

96 100

61 136.9 95.3 176.9

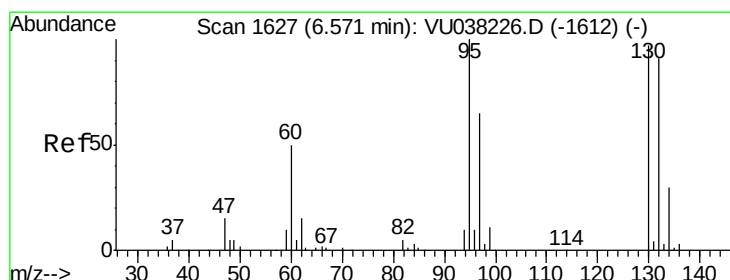
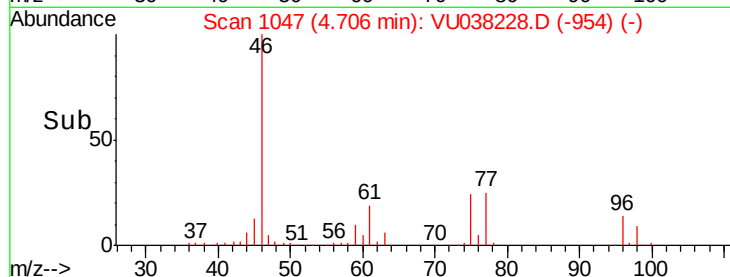
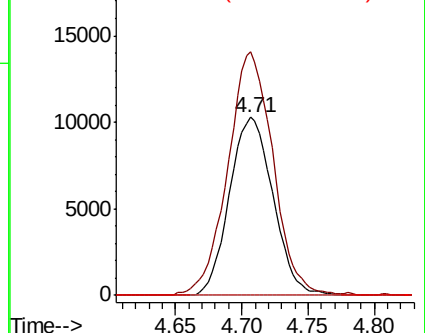
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038228.D (-1534) (-)

Ion 61.05 (60.75 to 61.75): VU038228.D (-1534) (-)

Ion 68.15 (67.85 to 68.85): VU038228.D (-1534) (-)



#34

Trichloroethene

Concen: 7.407 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

Tgt Ion: 95 Resp: 214425

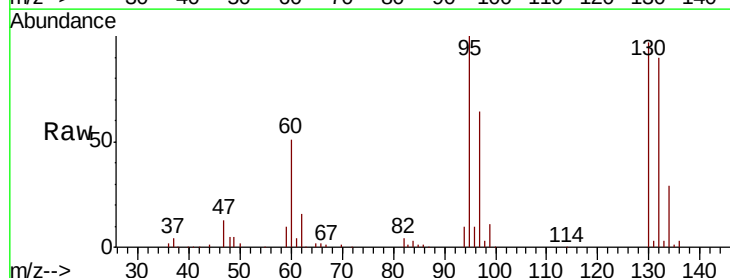
Ion Ratio Lower Upper

95 100

97 64.1 44.9 83.3

132 90.3 63.3 117.5

130 96.6 65.7 122.1

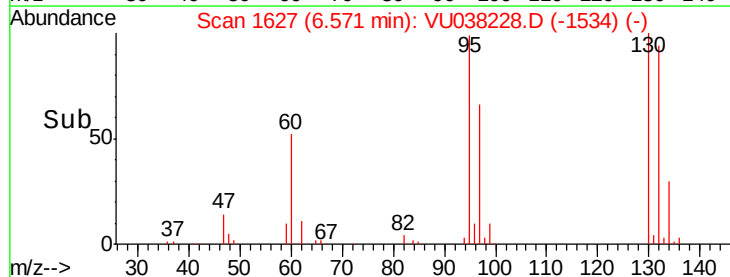
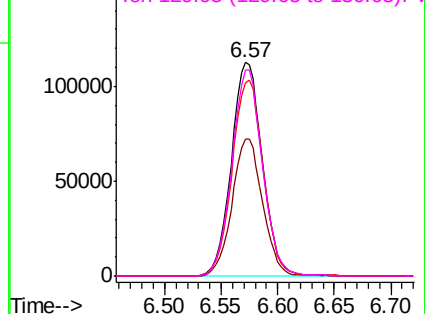


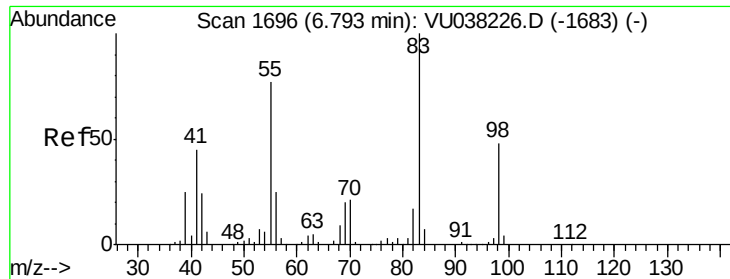
Abundance Ion 95.00 (94.70 to 95.70): VU038228.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038228.D (-1534) (-)

Ion 131.95 (131.65 to 132.65): VU038228.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038228.D (-1534) (-)

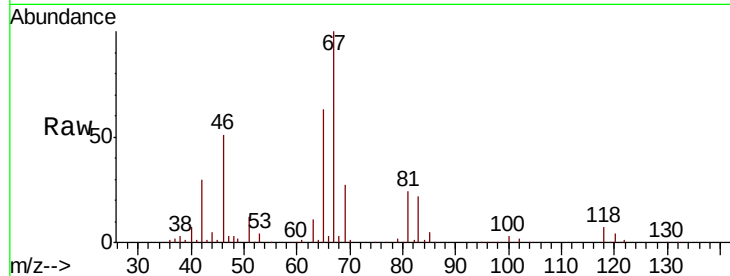




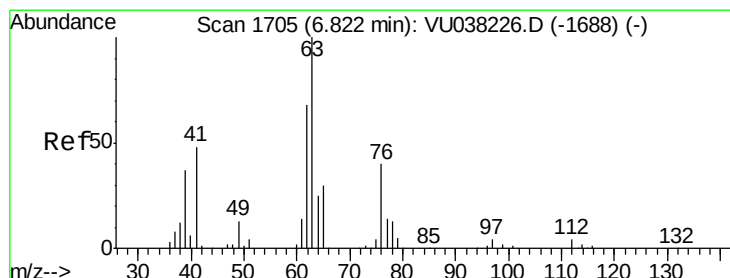
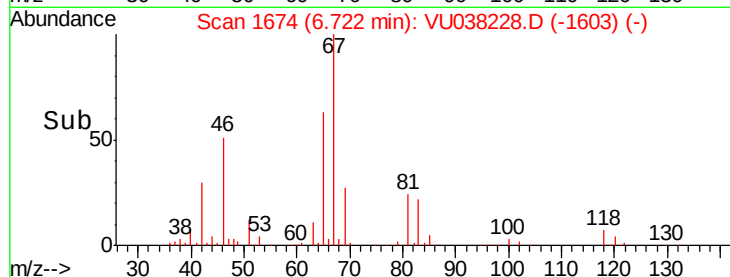
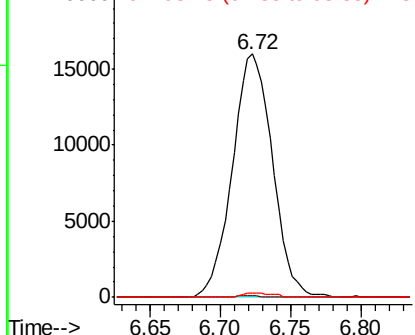
#35
Methylvlcyclohexane
Concen: 0.678 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038228.D
Acq: 19 May 2020 12:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 31803
Ion Ratio Lower Upper
83 100
55 0.4 66.7 100.1#
98 1.3 39.4 59.2#

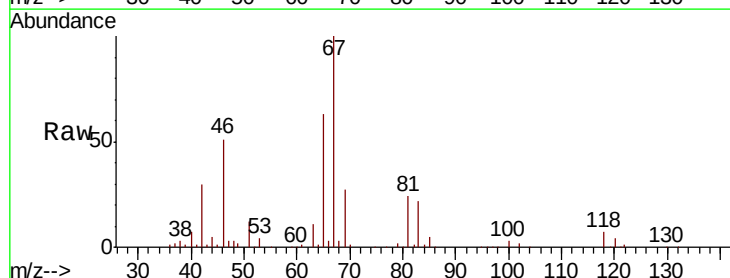


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

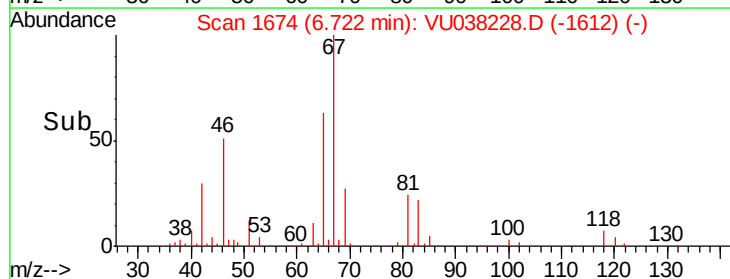
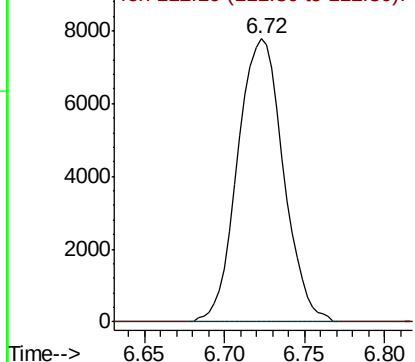


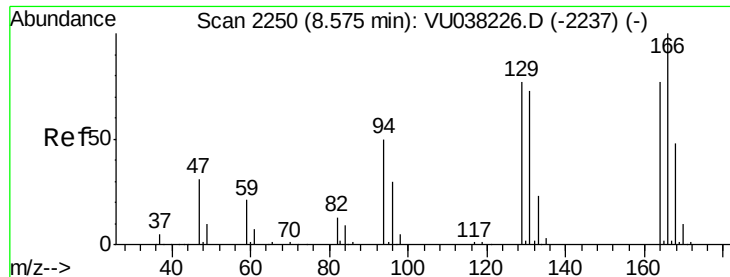
#37
1,2-Dichloropropane
Concen: 0.482 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038228.D
Acq: 19 May 2020 12:24

Tgt Ion: 63 Resp: 15165
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





#47

Tetrachloroethene

Concen: 7.334 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 148507

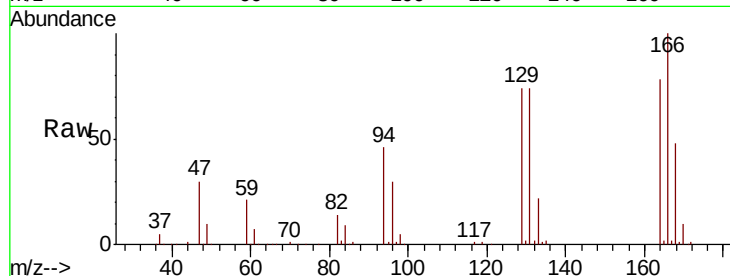
Ion Ratio Lower Upper

164 100

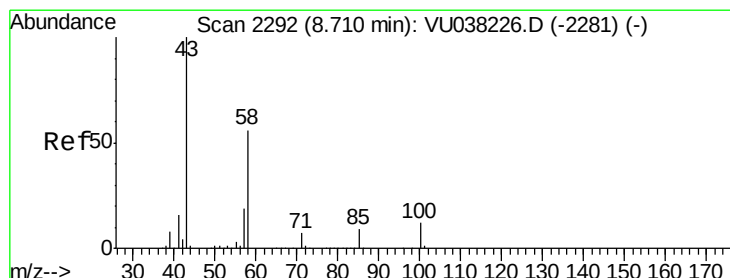
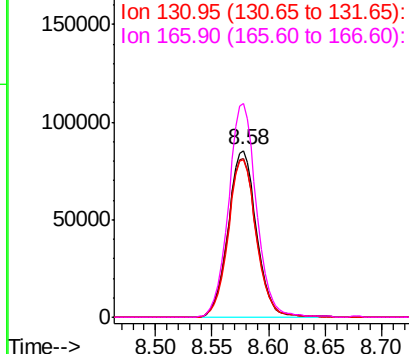
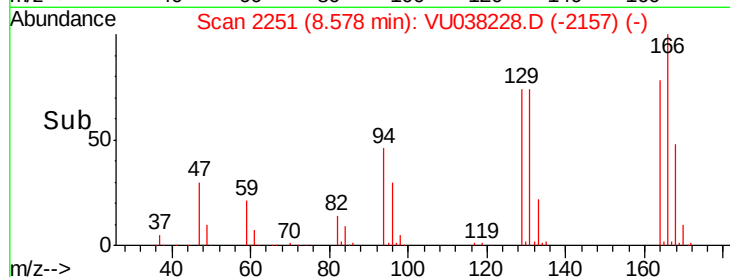
129 95.2 68.8 127.8

131 94.7 66.8 124.2

166 128.2 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



#48

2-Hexanone

Concen: 1.416 ug/L

RT: 8.71 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VU038228.D

Acq: 19 May 2020 12:24

Tgt Ion: 43 Resp: 22597

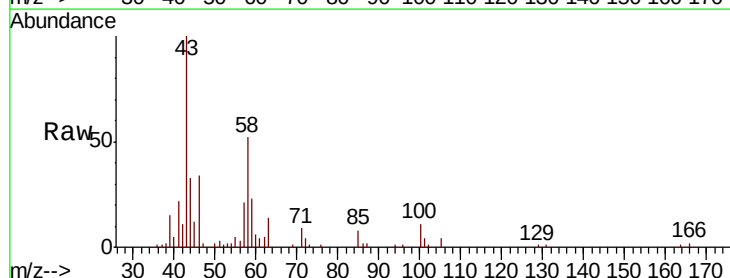
Ion Ratio Lower Upper

43 100

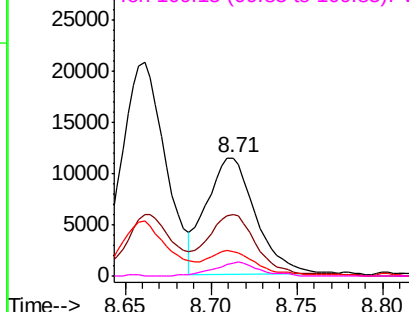
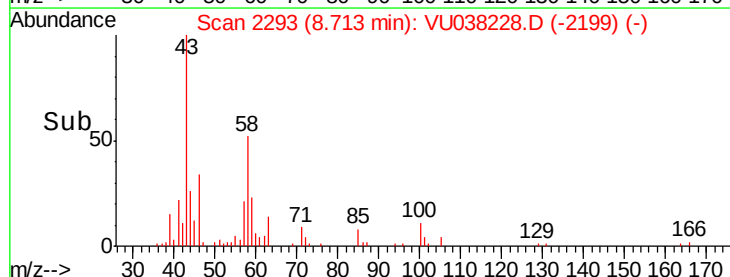
58 51.1 45.2 67.8

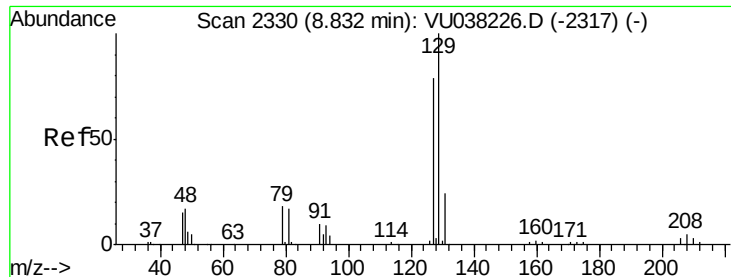
57 20.1 15.5 23.3

100 10.8 9.5 14.3



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

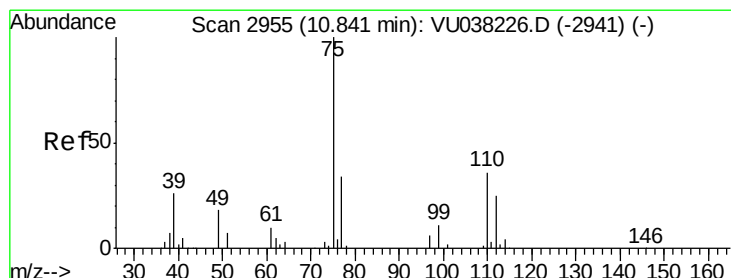
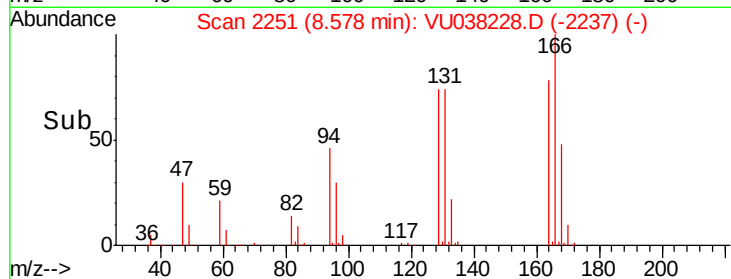
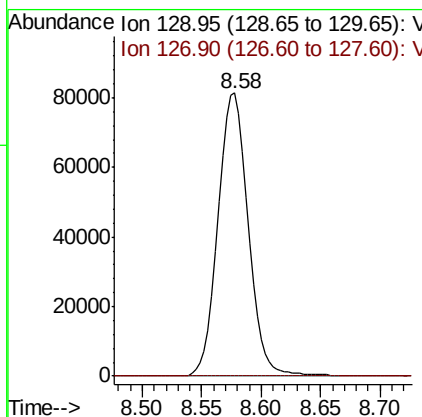
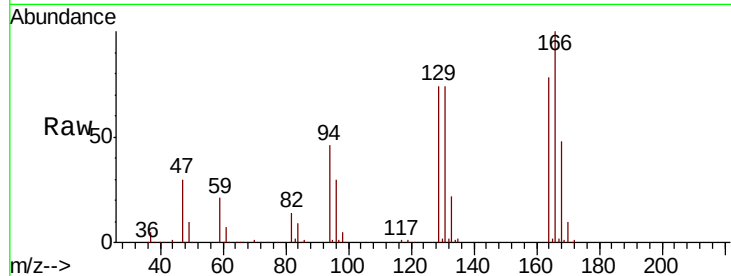




#49
 Dibromochloromethane
 Concen: 6.270 ug/L
 RT: 8.58 min Scan# 2251
 Delta R.T. -0.25 min
 Lab File: VU038228.D
 Acq: 19 May 2020 12:24

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:129 Resp: 142050
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.6 103.4#



#59
 1,2,3-Trichloropropane
 Concen: 1.116 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. 0.99 min
 Lab File: VU038228.D
 Acq: 19 May 2020 12:24

Tgt Ion: 75 Resp: 23548
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.4 38.0

