

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\
 Data File : VU038215.D
 Acq On : 18 May 2020 13:16
 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 18 22:25:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon May 18 22:23:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	381706	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	374275	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	179127	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	119071	3.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.20%
7) Chloroethane-d5	1.92	69	106068	3.51	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.20%
11) 1,1-Dichloroethene-d2	2.58	63	147174	2.52	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.40%#
20) 2-Butanone-d5	4.67	46	446190	51.80	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.60%
24) Chloroform-d	5.10	84	209014	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.74	65	131994	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.76	84	429949	3.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.60%
36) 1,2-Dichloropropane-d6	6.72	67	150638	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.20%
41) Toluene-d8	7.92	98	370938	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	8.20	79	57078	3.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.80%
46) 2-Hexanone-d5	8.66	63	347799	50.79	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	131305	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	148217	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

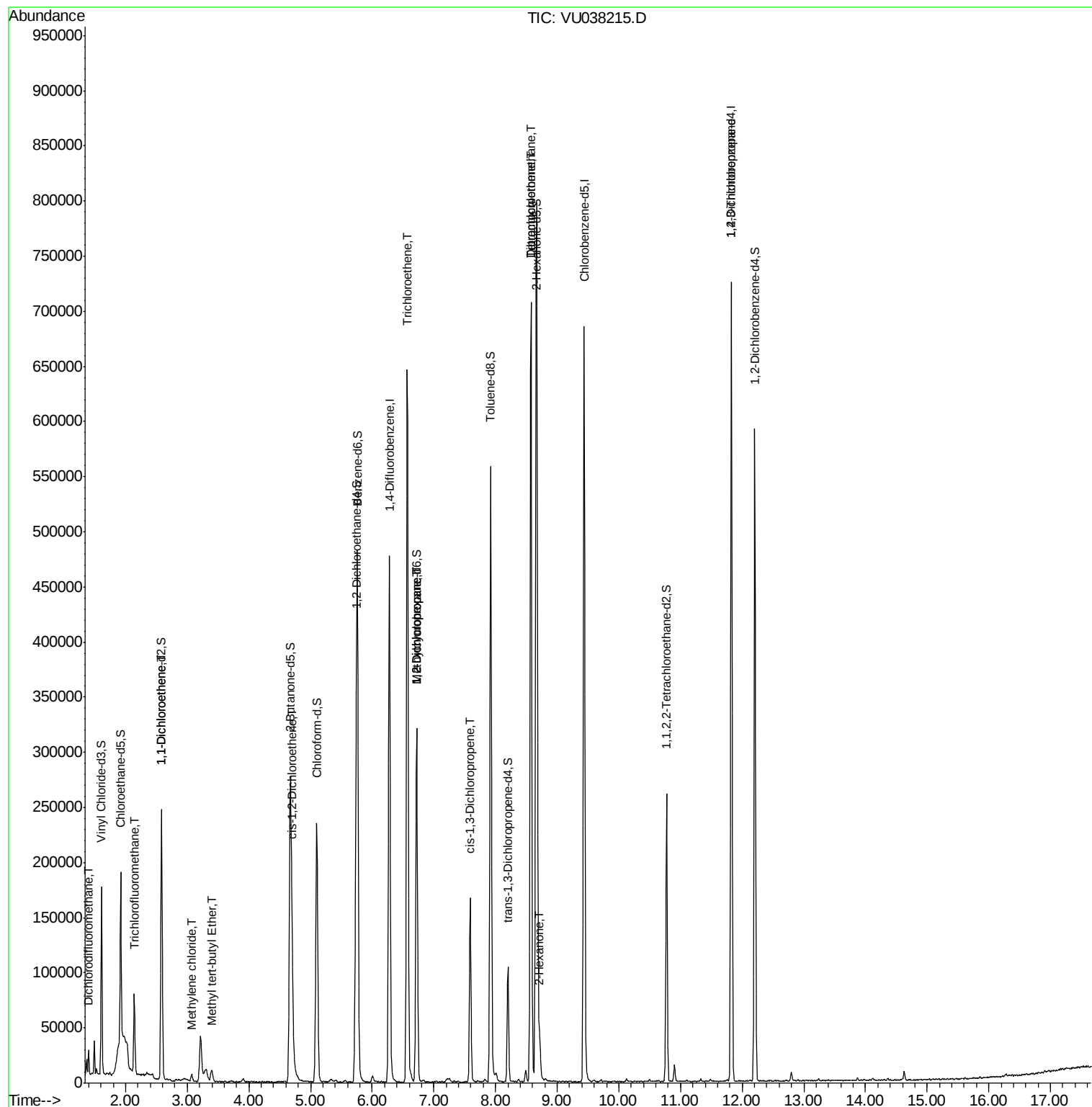
					Ovalue
2) Dichlorodifluoromethane	1.39	85	6511	0.187	ug/L 99
9) Trichlorofluoromethane	2.14	101	44284	1.051	ug/L 97
12) 1,1-Dichloroethene	2.59	96	5204	0.196	ug/L # 1
16) Methylene chloride	3.07	84	2833	0.092	ug/L 98
17) Methyl tert-butyl Ether	3.40	73	9166	0.125	ug/L 94
22) cis-1,2-Dichloroethene	4.70	96	24000	0.770	ug/L 99
34) Trichloroethene	6.57	95	221432	7.387	ug/L 99
35) Methylcyclohexane	6.72	83	33445	0.689	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	15289	0.470	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	3644	0.078	ug/L # 69
47) Tetrachloroethene	8.57	164	156504	7.464	ug/L 98
48) 2-Hexanone	8.72	43	20369	1.233	ug/L # 88
49) Dibromochloromethane	8.57	129	150773	6.426	ug/L # 10
59) 1,2,3-Trichloropropane	11.83	75	24255	1.110	ug/L # 88

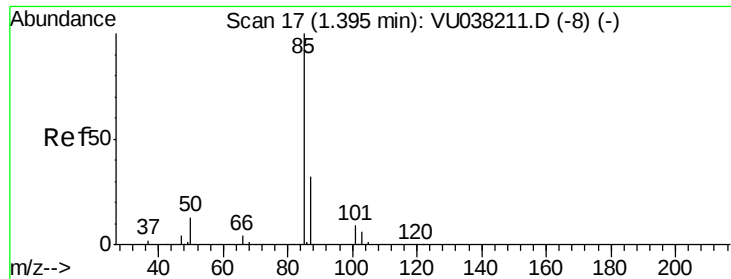
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon May 18 22:23:30 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.187 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038215.D

Acq: 18 May 2020 13:16

Instrument :

MSVOA_U

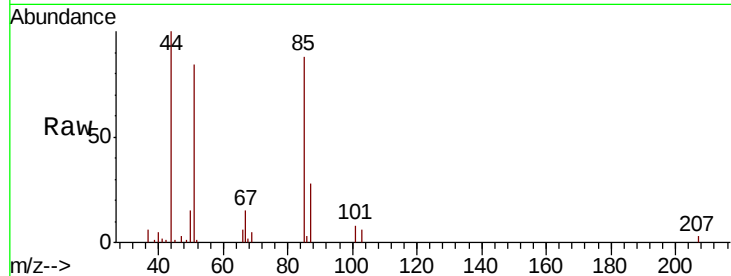
ClientSampleId :

Tot Ion: 85 Resp: 6511

Ion Ratio Lower Upper

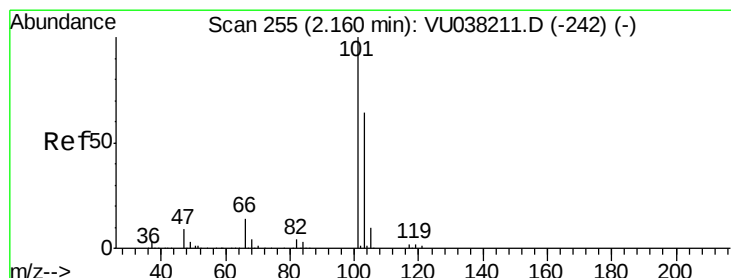
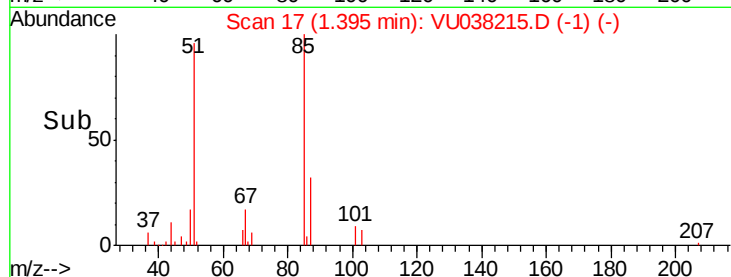
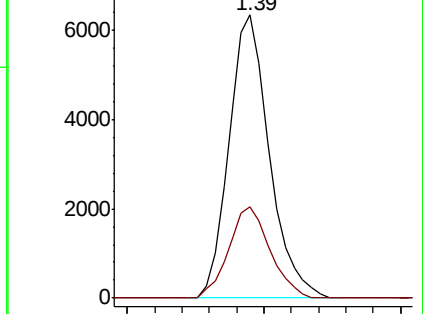
85 100

87 33.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038215.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VU038215.D (-8) (-)



#9

Trichlorofluoromethane

Concen: 1.051 ug/L

RT: 2.14 min Scan# 249

Delta R.T. -0.02 min

Lab File: VU038215.D

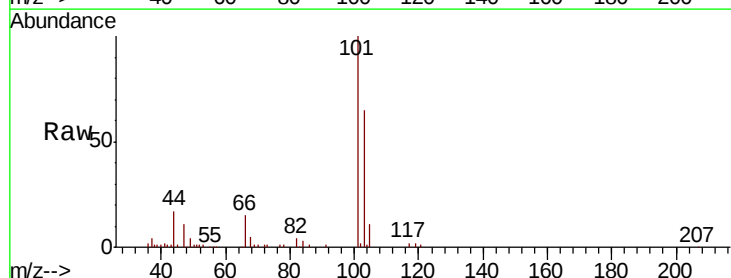
Acq: 18 May 2020 13:16

Tgt Ion:101 Resp: 44284

Ion Ratio Lower Upper

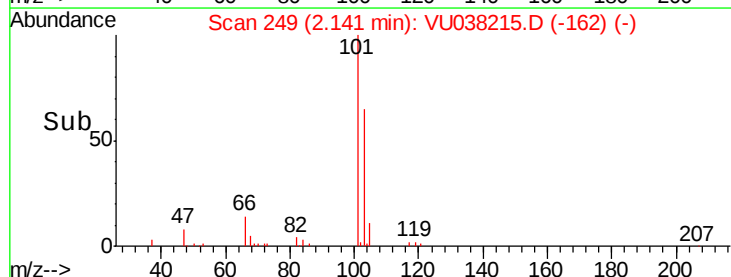
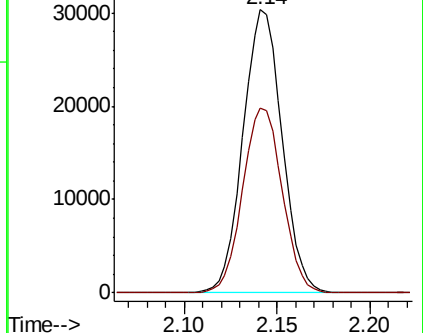
101 100

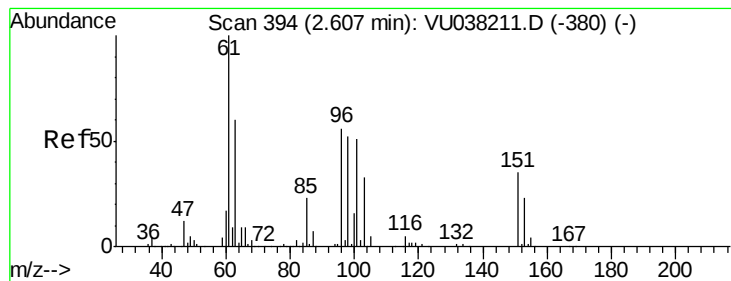
103 66.3 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038215.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038215.D (-242) (-)





#12

1,1-Dichloroethene

Concen: 0.196 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038215.D

Acq: 18 May 2020 13:16

Instrument :

MSVOA_U

ClientSampleId :

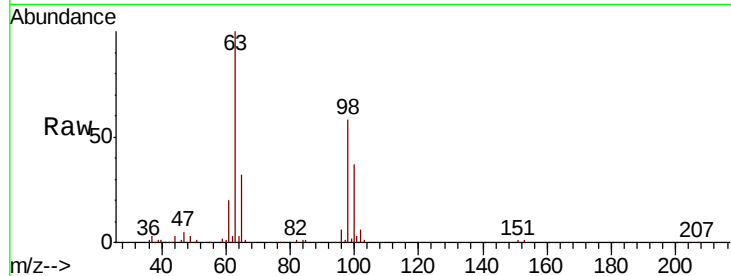
Tot Ion: 96 Resp: 5204

Ion Ratio Lower Upper

96 100

61 347.9 126.2 234.4#

63 1771.5 96.9 179.9#

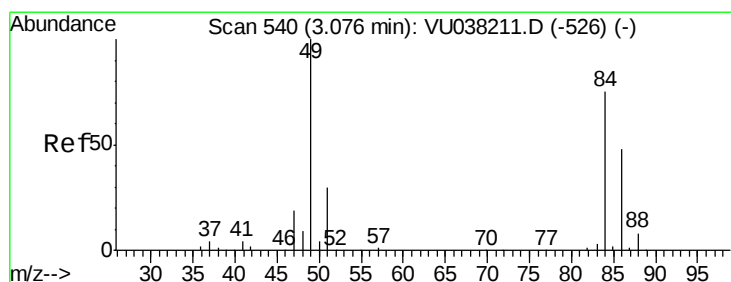
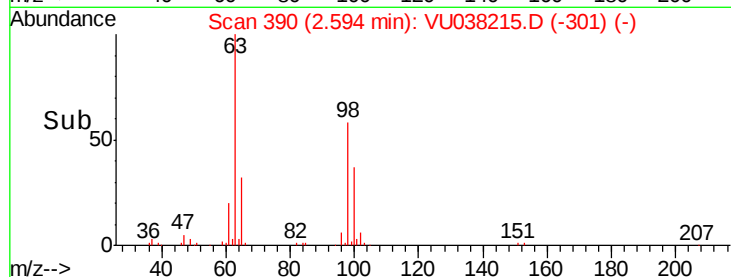
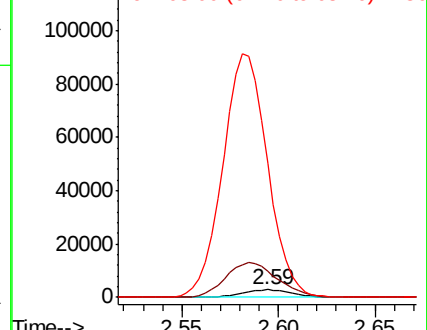


Abundance

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: 0.092 ug/L

RT: 3.07 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU038215.D

Acq: 18 May 2020 13:16

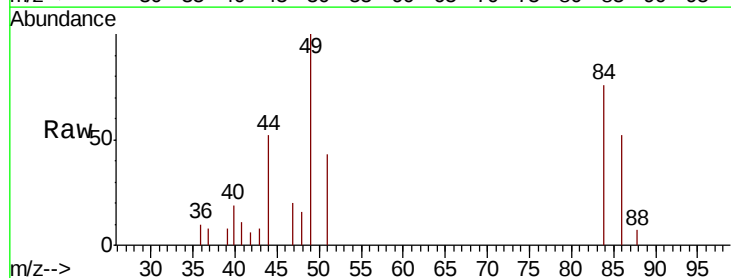
Tgt Ion: 84 Resp: 2833

Ion Ratio Lower Upper

84 100

86 67.8 44.9 83.3

49 131.7 92.0 170.9

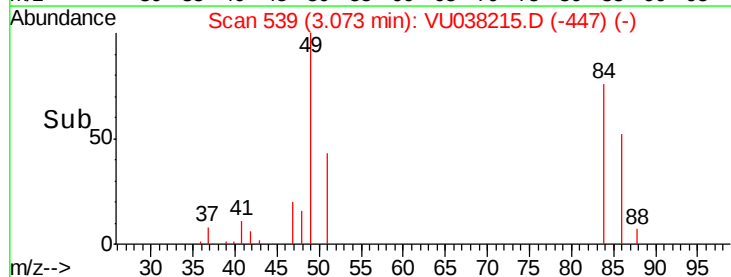
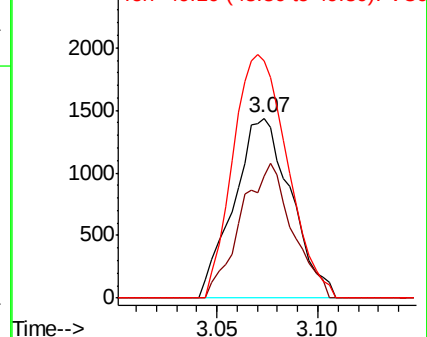


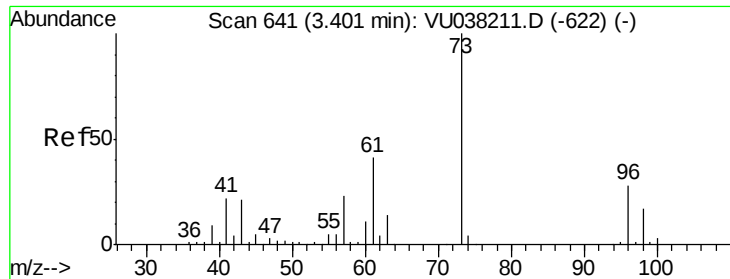
Abundance

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

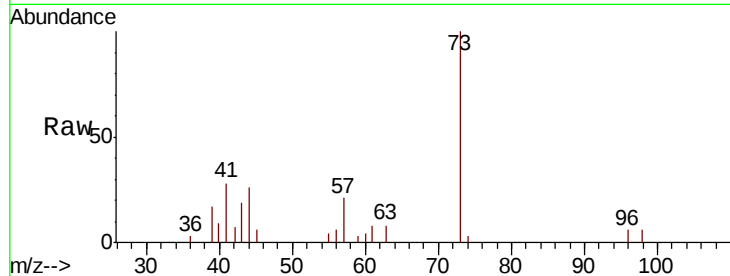




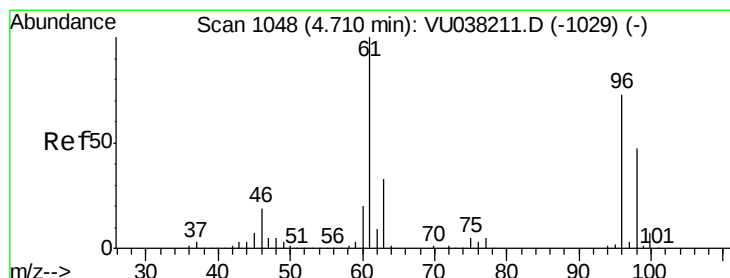
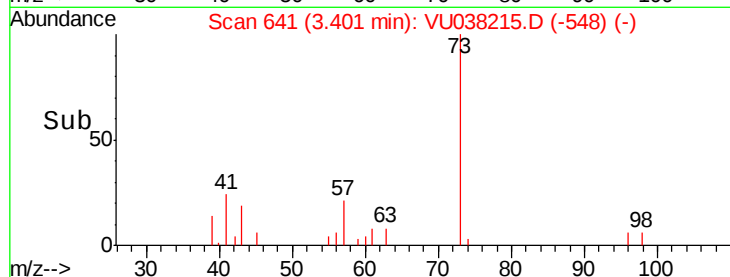
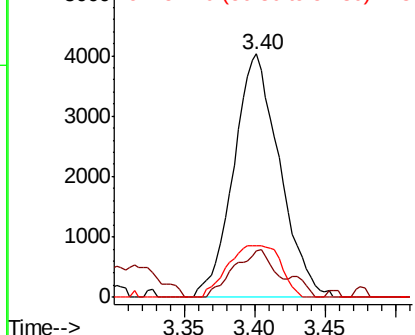
#17
Methvl tert-butvl Ether
Concen: 0.125 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038215.D
Acq: 18 May 2020 13:16

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 73 Resp: 9166
Ion Ratio Lower Upper
73 100
43 17.0 16.9 25.3
57 24.5 18.2 27.2

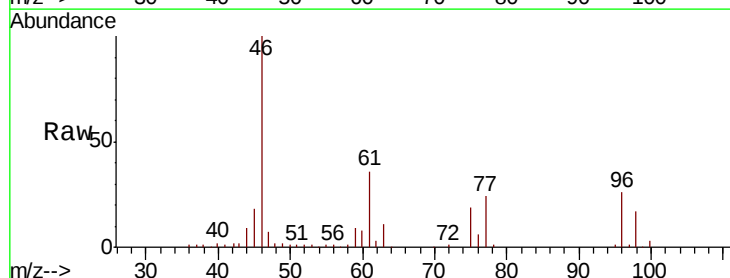


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

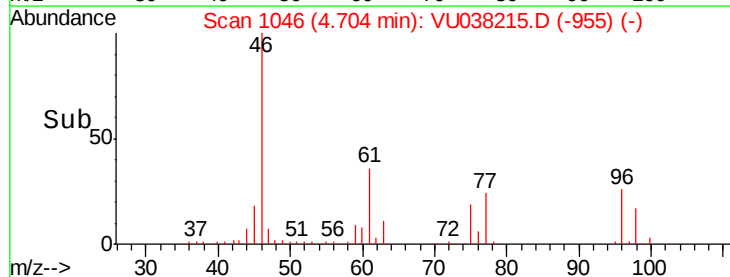
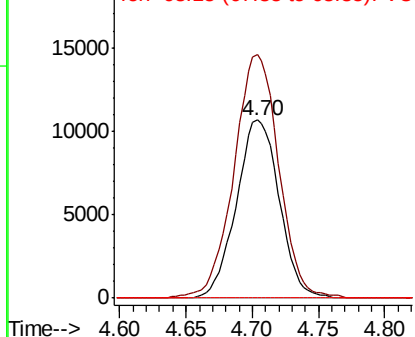


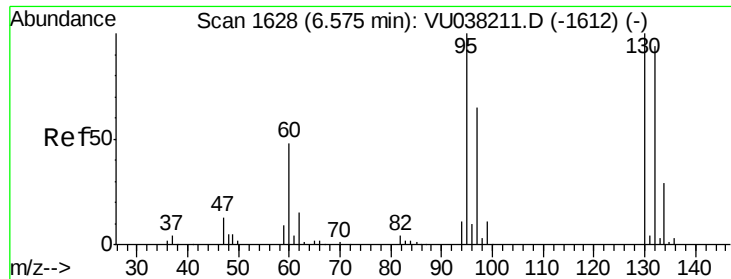
#22
cis-1,2-Dichloroethene
Concen: 0.770 ug/L
RT: 4.70 min Scan# 1046
Delta R.T. -0.01 min
Lab File: VU038215.D
Acq: 18 May 2020 13:16

Tgt Ion: 96 Resp: 24000
Ion Ratio Lower Upper
96 100
61 136.8 95.3 176.9
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0

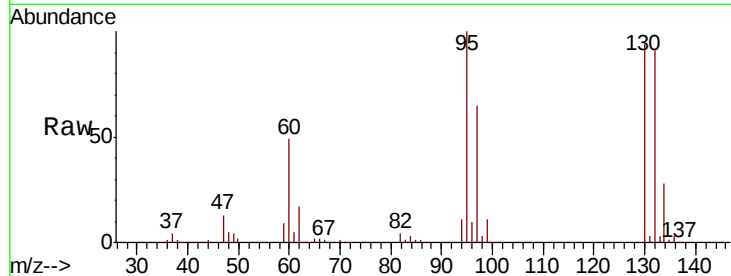




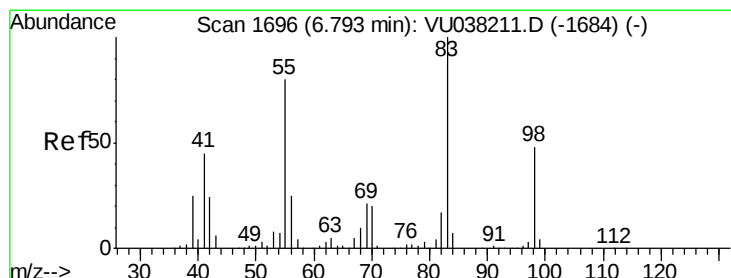
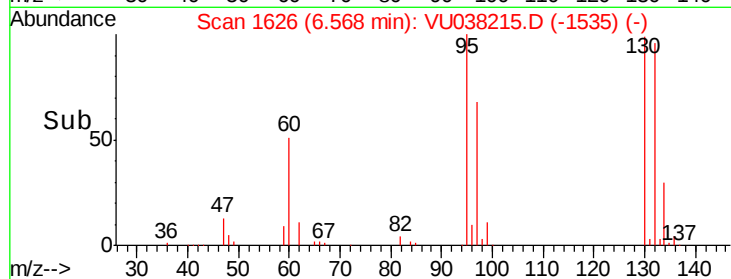
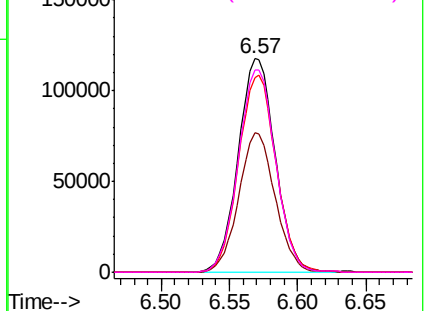
#34
 Trichloroethene
 Concen: 7.387 ug/L
 RT: 6.57 min Scan# 1626
 Delta R.T. -0.01 min
 Lab File: VU038215.D
 Acq: 18 May 2020 13:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 221432
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.9 83.3
 132 91.3 63.3 117.5
 130 94.4 65.7 122.1

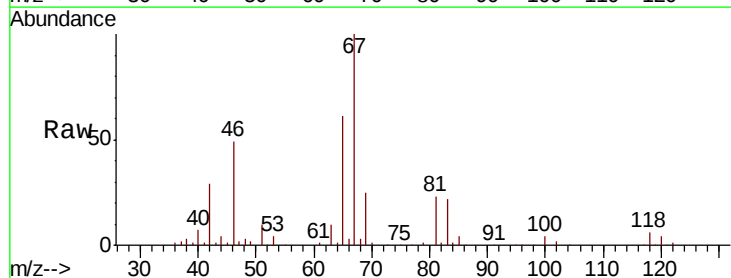


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

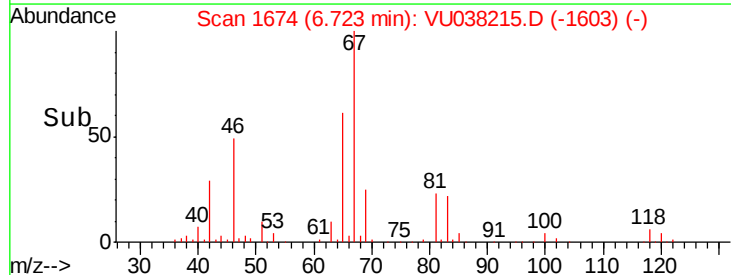
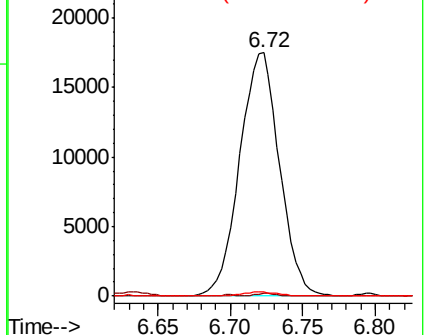


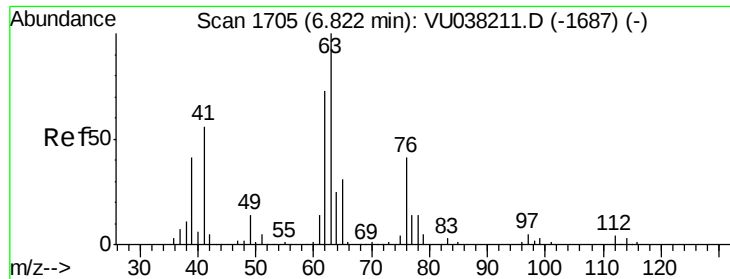
#35
 Methylcyclohexane
 Concen: 0.689 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038215.D
 Acq: 18 May 2020 13:16

Tgt Ion: 83 Resp: 33445
 Ion Ratio Lower Upper
 83 100
 55 0.6 66.7 100.1#
 98 1.4 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

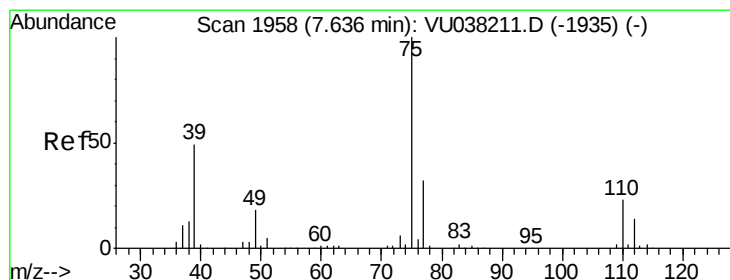
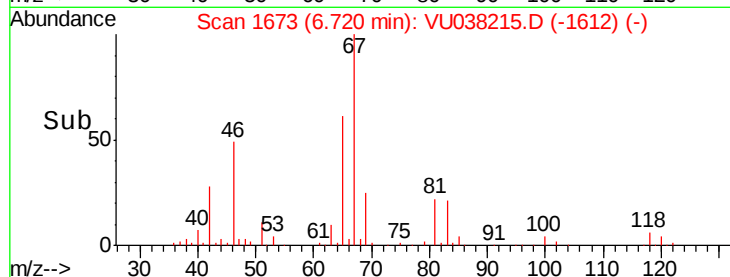
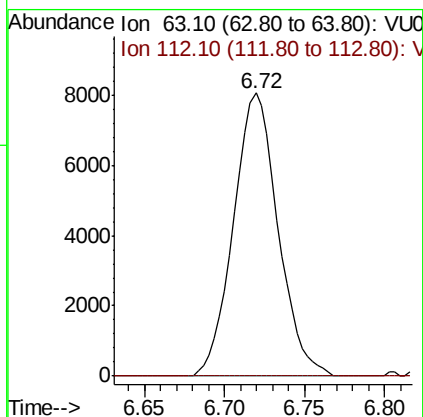
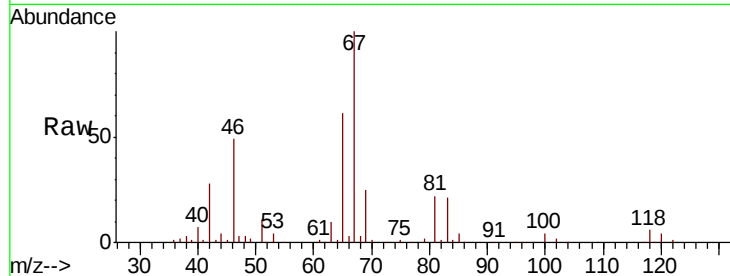




#37
 1,2-Dichloropropane
 Concen: 0.470 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038215.D
 Acq: 18 May 2020 13:16

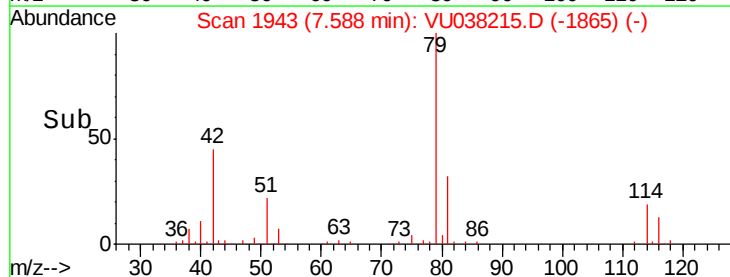
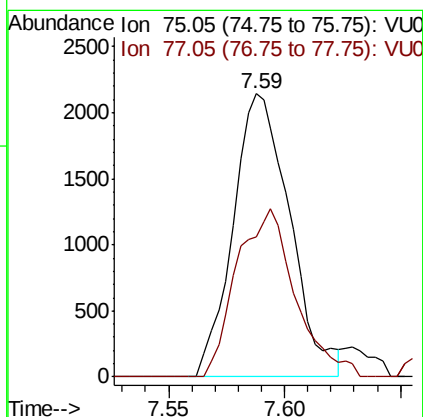
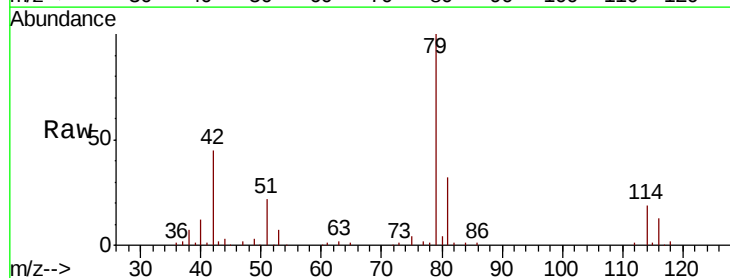
Instrument :
 MSVOA_U
 ClientSampled :

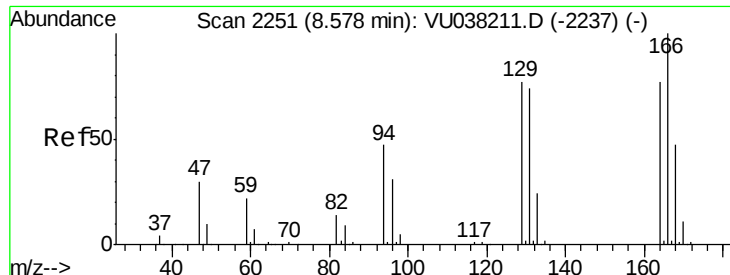
Tot Ion: 63 Resp: 15289
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.078 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038215.D
 Acq: 18 May 2020 13:16

Tgt Ion: 75 Resp: 3644
 Ion Ratio Lower Upper
 75 100
 77 49.4 22.4 41.6#





#47

Tetrachloroethene

Concen: 7.464 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038215.D

Acq: 18 May 2020 13:16

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 156504

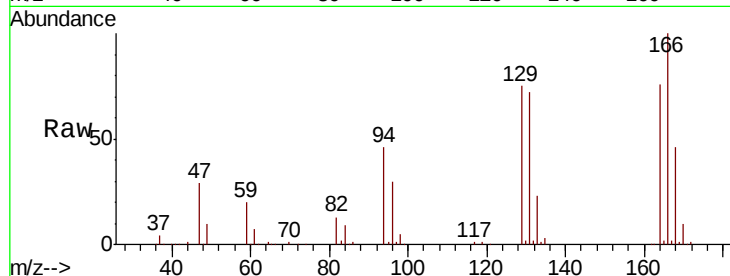
Ion Ratio Lower Upper

164 100

129 99.1 68.8 127.8

131 94.4 66.8 124.2

166 132.0 88.9 165.1

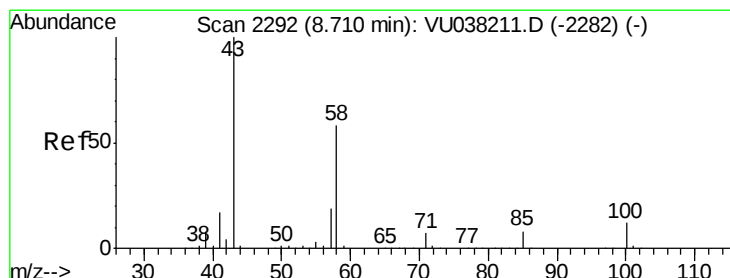
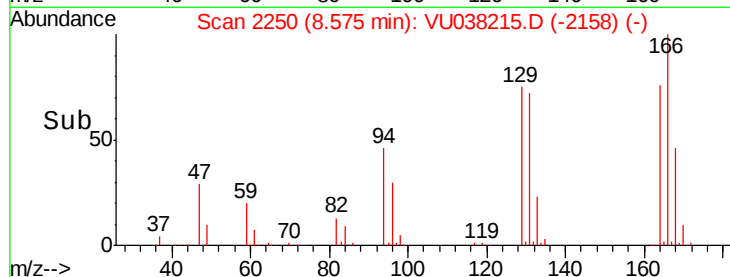
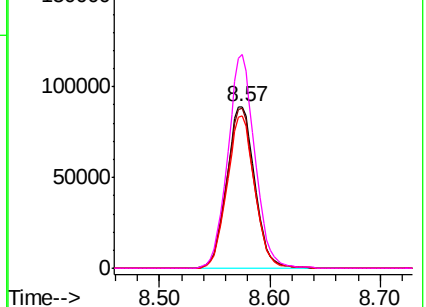


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.233 ug/L

RT: 8.72 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VU038215.D

Acq: 18 May 2020 13:16

Tgt Ion: 43 Resp: 20369

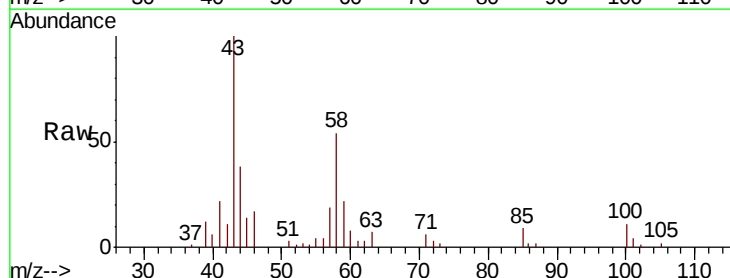
Ion Ratio Lower Upper

43 100

58 51.8 45.2 67.8

57 3.8 15.5 23.3#

100 10.6 9.5 14.3

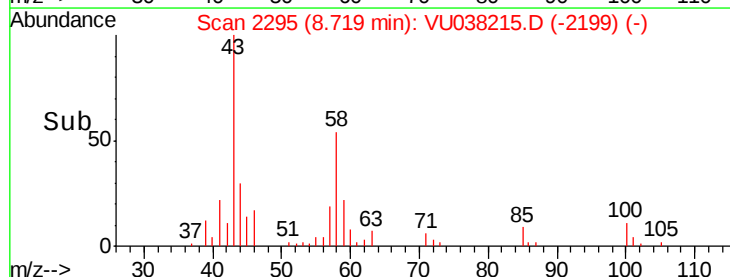
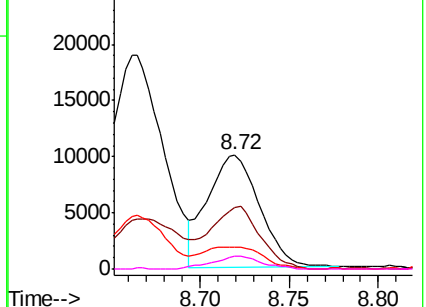


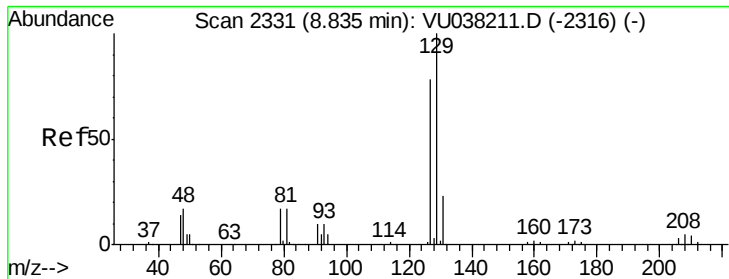
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 6.426 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038215.D

Acq: 18 May 2020 13:16

Instrument :

MSVOA_U

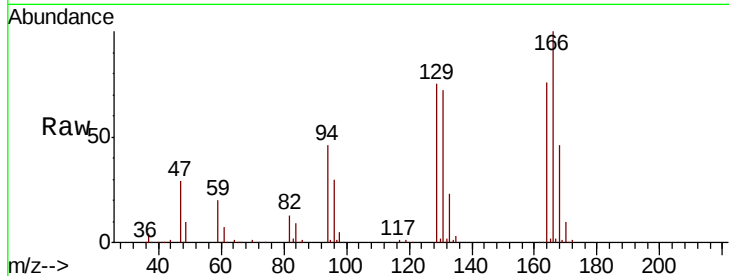
ClientSampleId :

Tot Ion:129 Resp: 150773

Ion Ratio Lower Upper

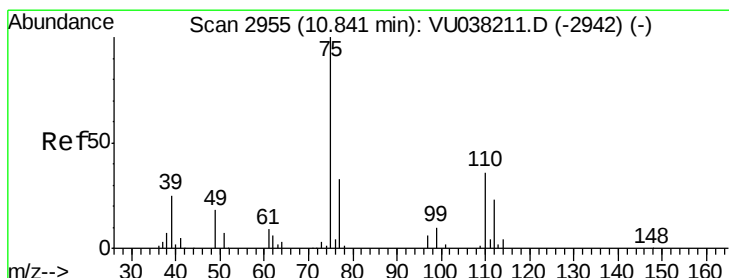
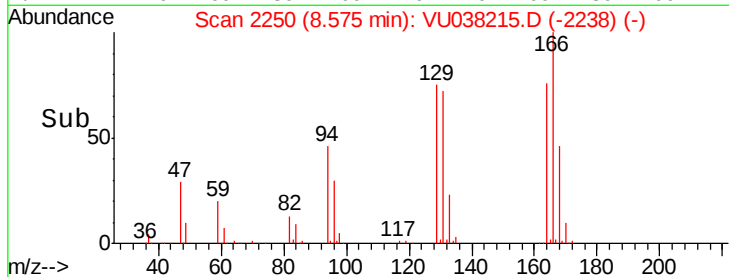
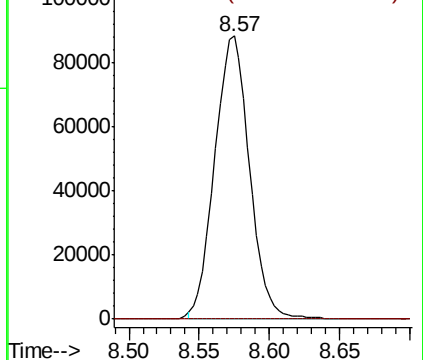
129 100

127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 1.110 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038215.D

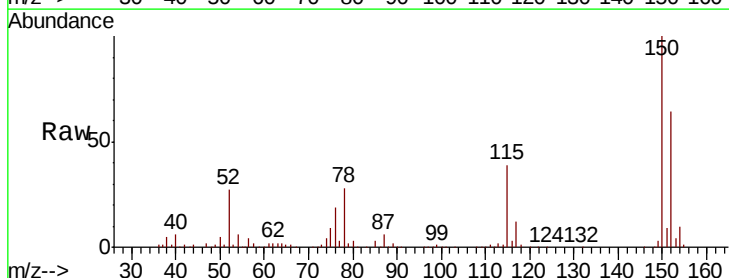
Acq: 18 May 2020 13:16

Tgt Ion: 75 Resp: 24255

Ion Ratio Lower Upper

75 100

77 38.4 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

