

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038201.D
 Acq On : 15 May 2020 16:26
 Operator : JC/MD
 Sample : L2657-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 16 03:35:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 16 03:30:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	328930	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	321280	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	149804	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	113098	3.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.20%
7) Chloroethane-d5	1.93	69	114863	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	2.59	63	209079	4.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.20%
20) 2-Butanone-d5	4.67	46	416024	56.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.08%
24) Chloroform-d	5.10	84	217063	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.74	65	130384	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
32) Benzene-d6	5.76	84	450199	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.72	67	150945	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.92	98	390750	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	8.20	79	52228	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.65	63	336117	57.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.38%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120287	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	146664	5.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	40404	1.343	ug/L 97
9) Trichlorofluoromethane	2.16	101	331477	9.126	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	17301	0.768	ug/L 91
12) 1,1-Dichloroethene	2.60	96	100511	4.403	ug/L 97
19) 1,1-Dichloroethane	3.91	63	19738	0.406	ug/L 98
22) cis-1,2-Dichloroethene	4.71	96	220966	8.228	ug/L 99
25) Chloroform	5.13	83	16529	0.364	ug/L 97
29) 1,1,1-Trichloroethane	5.35	97	27980	0.760	ug/L 93
31) Carbon tetrachloride	5.56	117	9119	0.308	ug/L 98
34) Trichloroethene	6.57	95	2352376	91.418	ug/L 99
35) Methylcyclohexane	6.72	83	32938	0.790	ug/L # 16
39) cis-1,3-Dichloropropene	7.59	75	3498	0.087	ug/L # 72
47) Tetrachloroethene	8.57	164	2747983	152.677	ug/L 99
48) 2-Hexanone	8.71	43	21597	1.523	ug/L # 92
49) Dibromochloromethane	8.57	129	2642671	131.216	ug/L # 10
59) 1,2,3-Trichloropropane	11.83	75	19973	1.065	ug/L 89

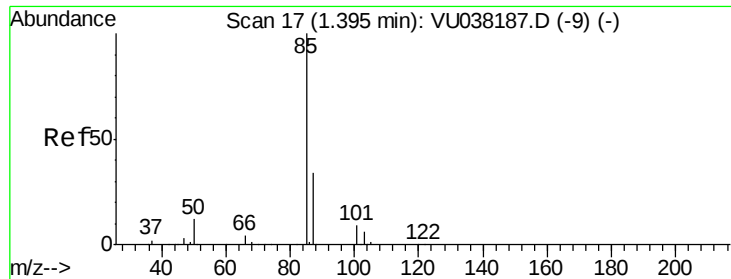
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
Data File : VU038201.D
Acq On : 15 May 2020 16:26
Operator : JC/MD
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 16 03:30:00 2020
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



#2

Dichlorodifluoromethane

Concen: 1.343 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038201.D

Acq: 15 May 2020 16:26

Instrument :

MSVOA_U

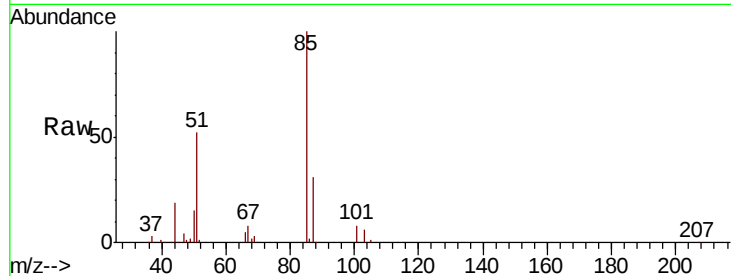
ClientSampleId :

Tot Ion: 85 Resp: 40404

Ion Ratio Lower Upper

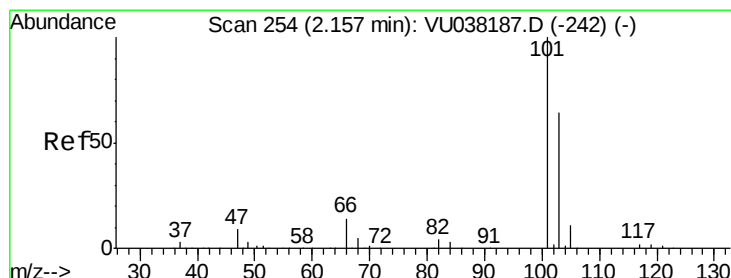
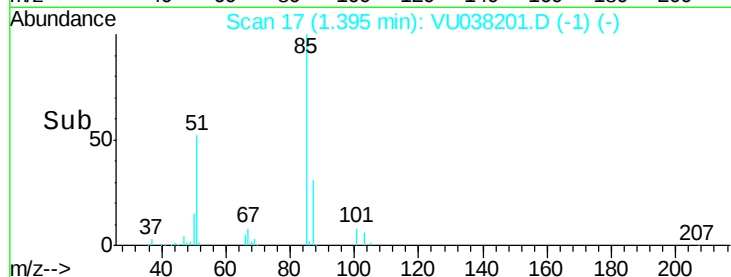
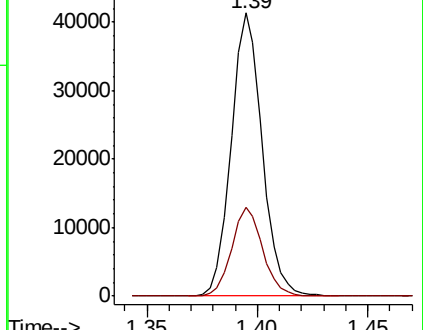
85 100

87 31.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU038187.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VU038187.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 9.126 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038201.D

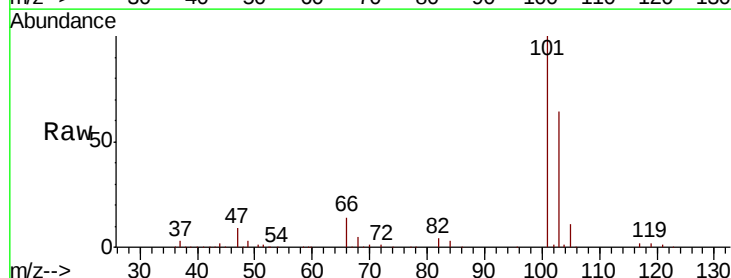
Acq: 15 May 2020 16:26

Tgt Ion: 101 Resp: 331477

Ion Ratio Lower Upper

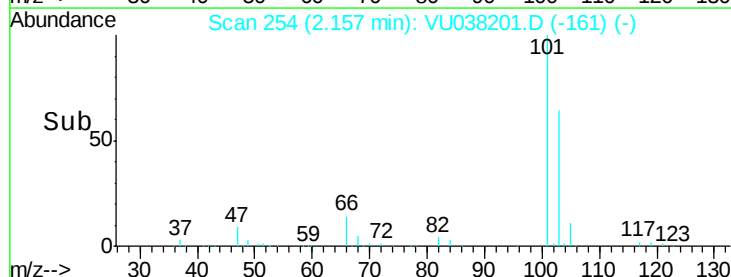
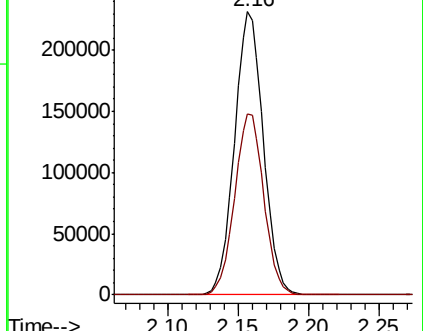
101 100

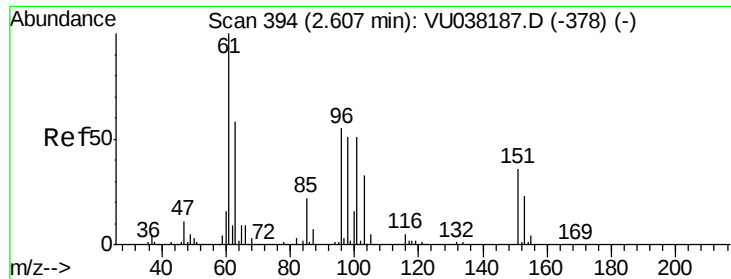
103 64.6 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VU038187.D (-242) (-)

Ion 103.00 (102.70 to 103.70): VU038187.D (-242) (-)





#10

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

Concen: 0.768 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038201.D

Acq: 15 May 2020 16:26

Instrument :

MSVOA_U

ClientSampleId :

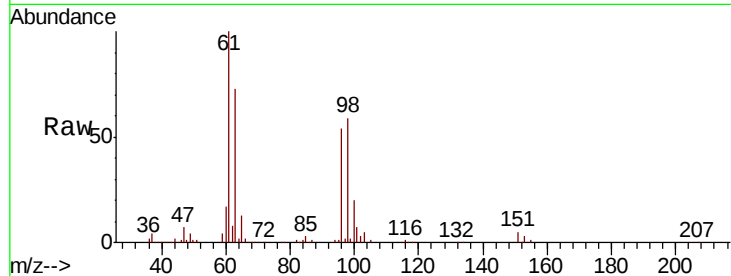
Tot Ion:101 Resp: 17301

Ion Ratio Lower Upper

101 100

85 39.3 35.3 52.9

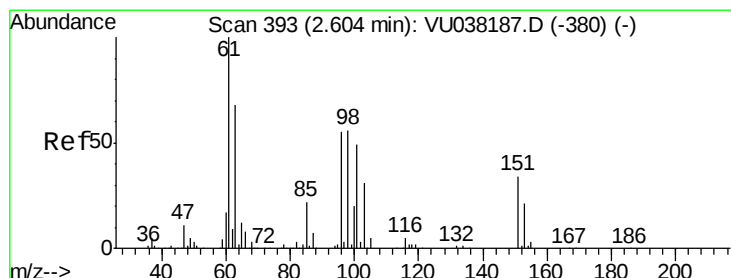
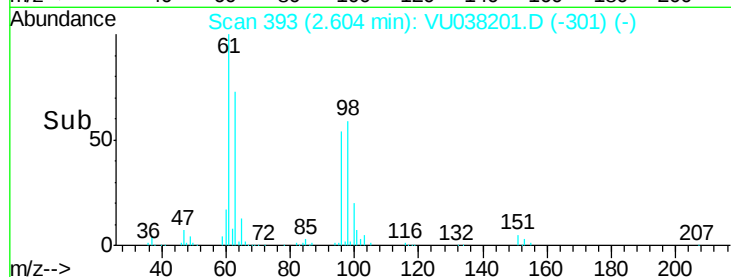
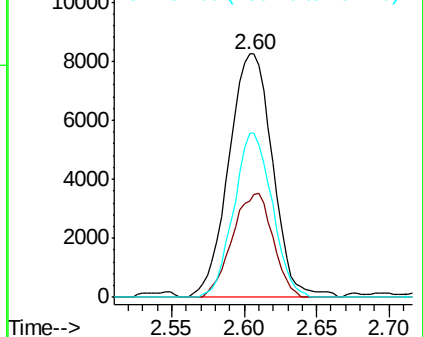
151 59.2 54.2 81.2



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: 4.403 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038201.D

Acq: 15 May 2020 16:26

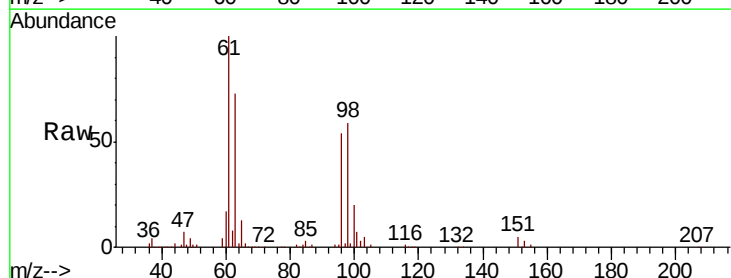
Tgt Ion: 96 Resp: 100511

Ion Ratio Lower Upper

96 100

61 184.8 126.2 234.4

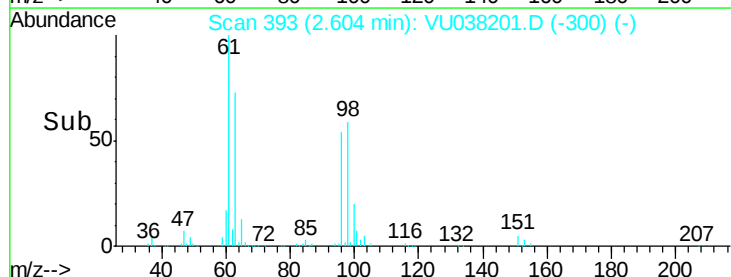
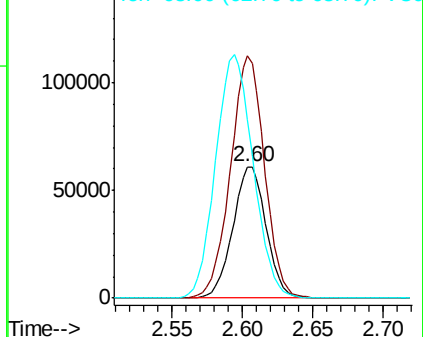
63 135.8 96.9 179.9

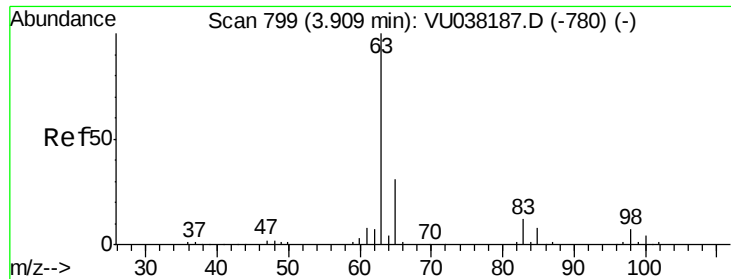


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

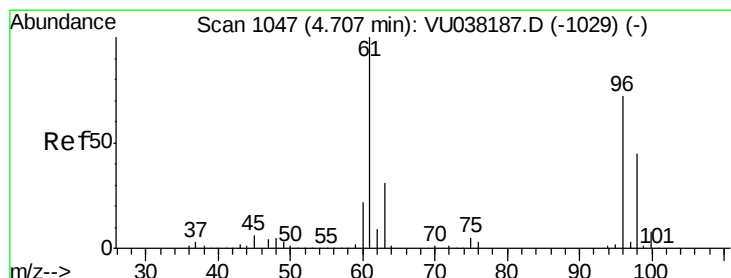
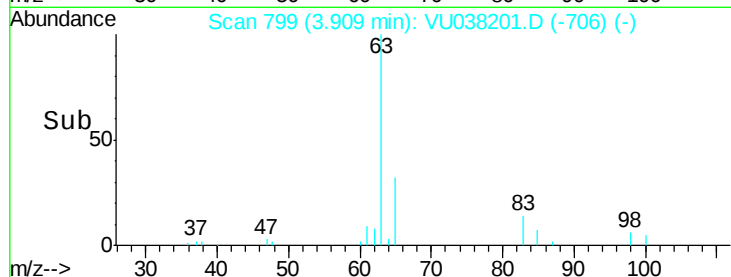
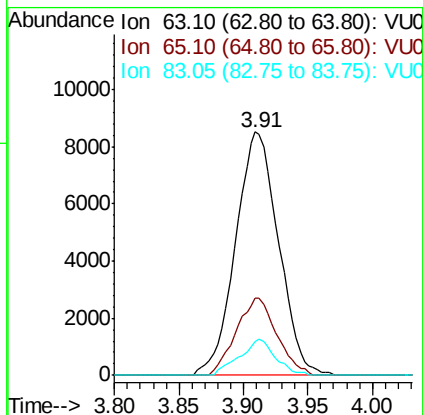
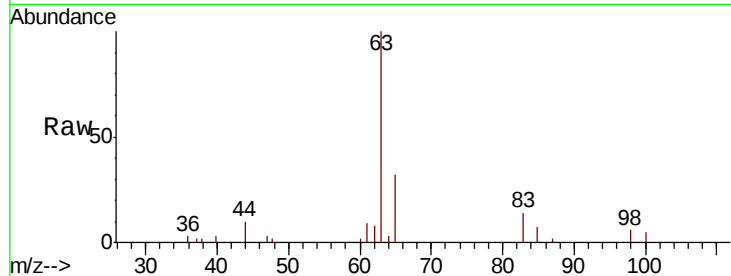




#19
 1,1-Dichloroethane
 Concen: 0.406 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038201.D
 Acq: 15 May 2020 16:26

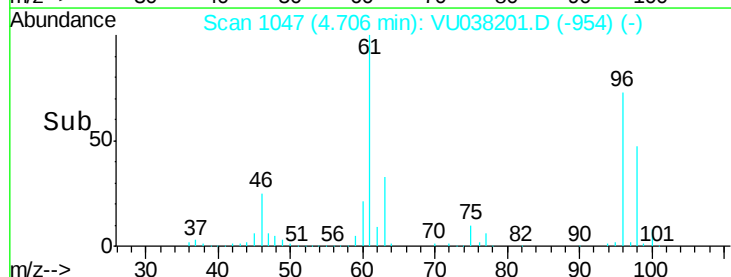
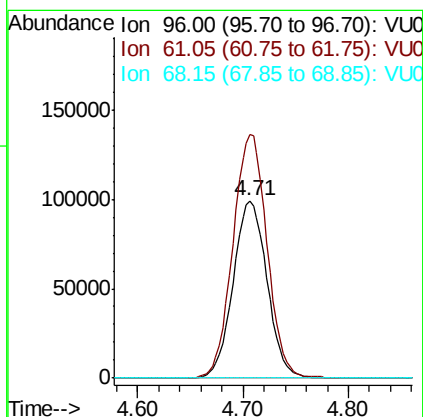
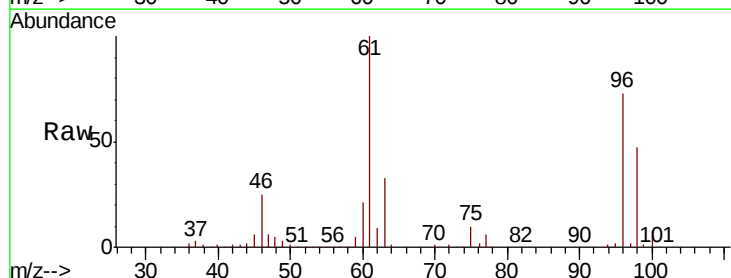
Instrument :
 MSVOA_U
 ClientSampled :

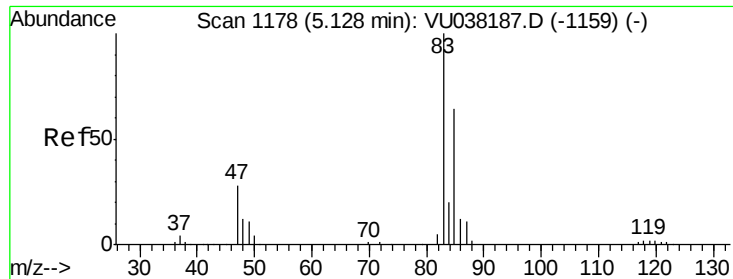
Tot Ion: 63 Resp: 19738
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.5 41.7
 83 14.0 8.9 16.5



#22
 cis-1,2-Dichloroethene
 Concen: 8.228 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038201.D
 Acq: 15 May 2020 16:26

Tgt Ion: 96 Resp: 220966
 Ion Ratio Lower Upper
 96 100
 61 137.4 95.3 176.9
 68 0.0 0.0 0.0

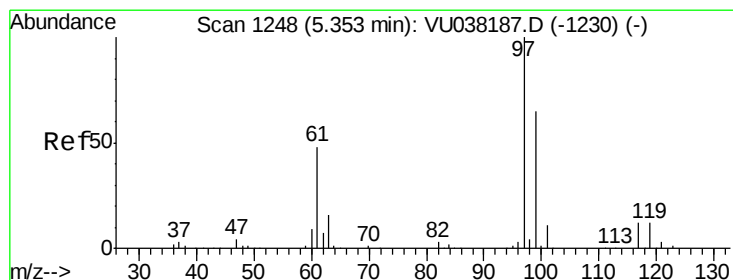
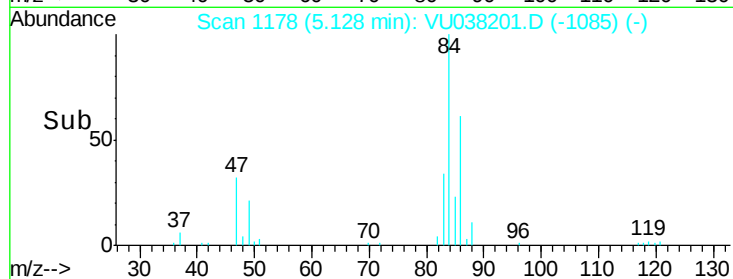
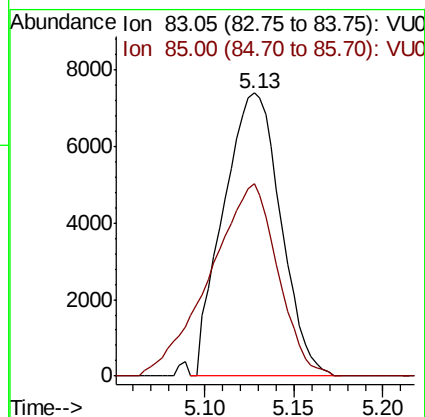
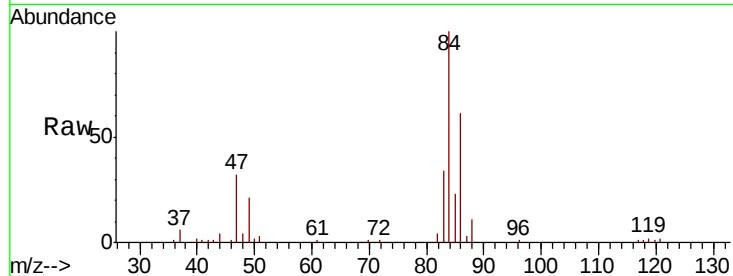




#25
Chloroform
Concen: 0.364 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038201.D
Acq: 15 May 2020 16:26

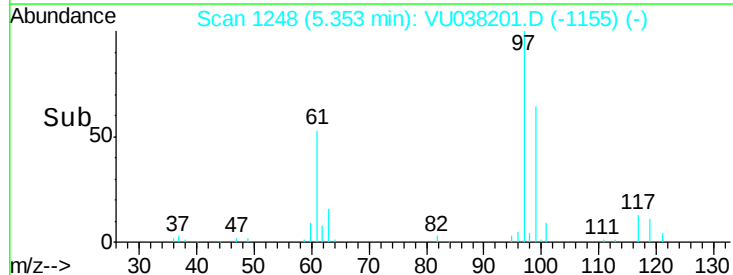
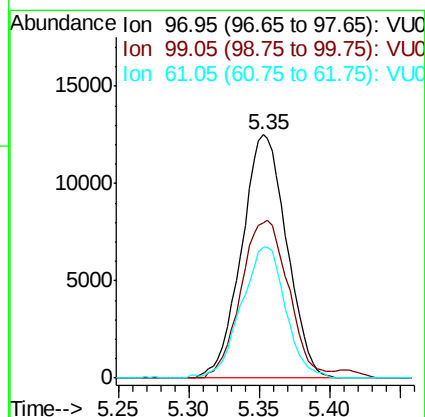
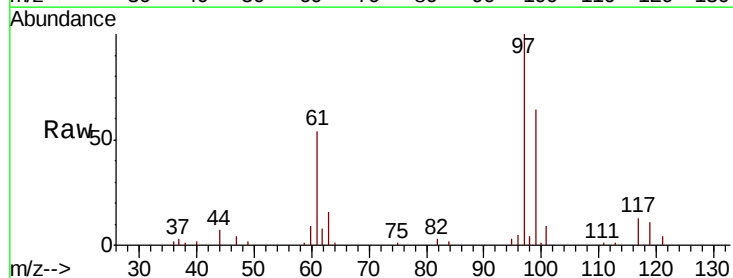
Instrument :
MSVOA_U
ClientSampleId :

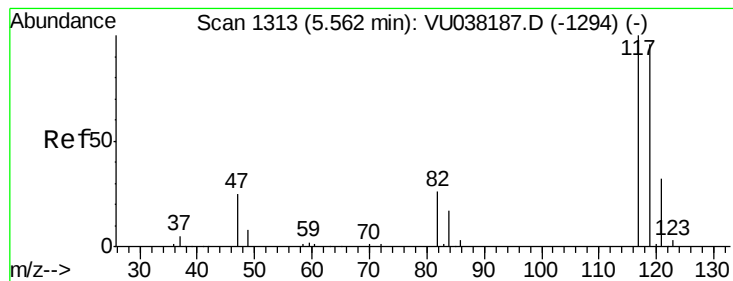
Tot Ion: 83 Resp: 16529
Ion Ratio Lower Upper
83 100
85 68.1 46.2 85.8



#29
1,1,1-Trichloroethane
Concen: 0.760 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VU038201.D
Acq: 15 May 2020 16:26

Tgt Ion: 97 Resp: 27980
Ion Ratio Lower Upper
97 100
99 68.1 51.0 76.4
61 53.2 38.2 57.4





#31

Carbon tetrachloride

Concen: 0.308 ug/L

RT: 5.56 min Scan# 1313

Delta R.T. -0.00 min

Lab File: VU038201.D

Acq: 15 May 2020 16:26

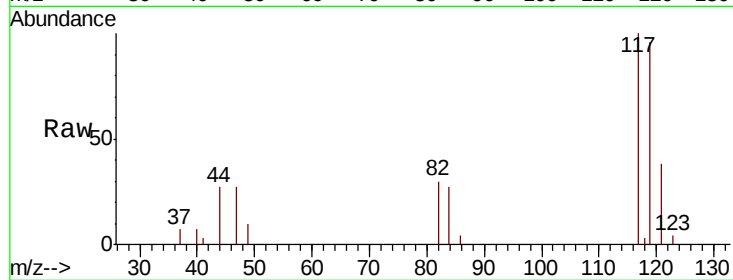
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 9119

Ion Ratio Lower Upper

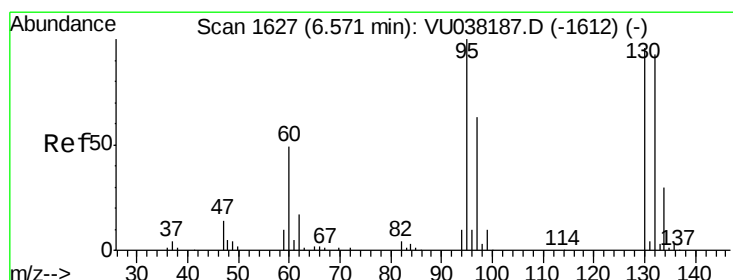
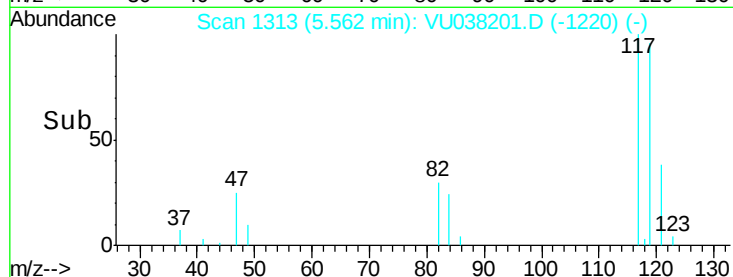
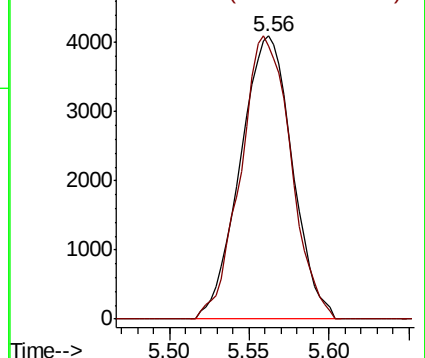
117 100

119 96.6 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 91.418 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038201.D

Acq: 15 May 2020 16:26

Tgt Ion: 95 Resp: 2352376

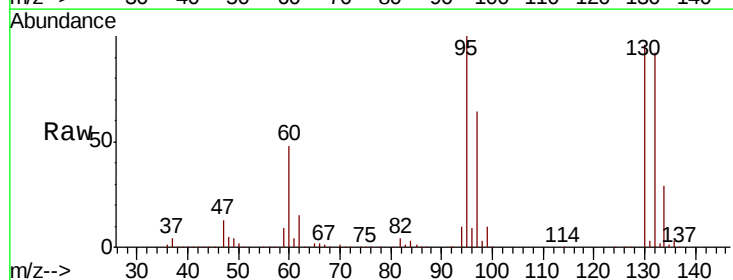
Ion Ratio Lower Upper

95 100

97 63.8 44.9 83.3

132 91.6 63.3 117.5

130 95.9 65.7 122.1

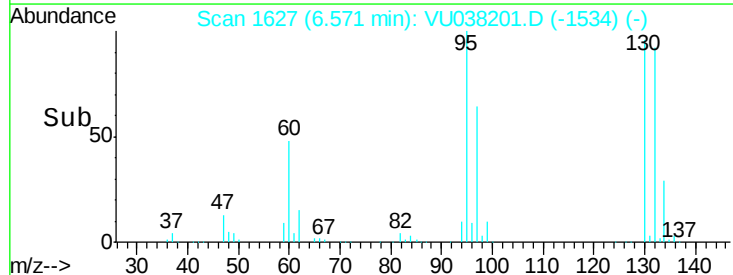
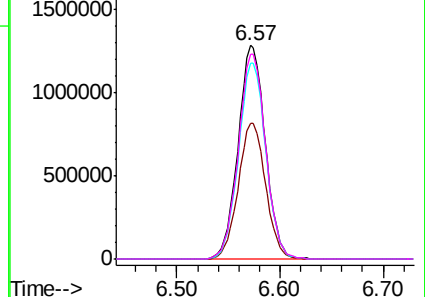


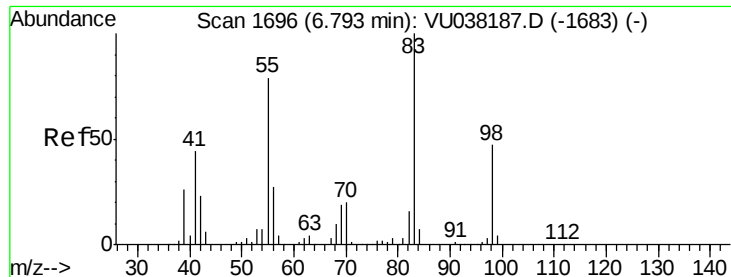
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

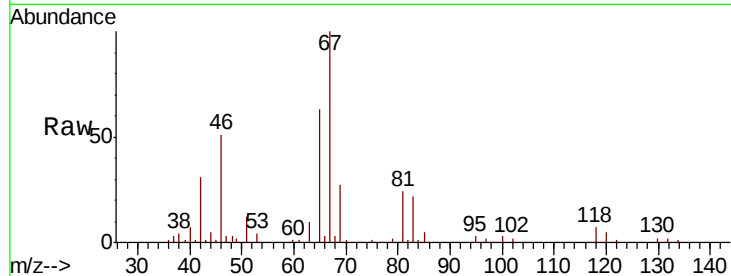




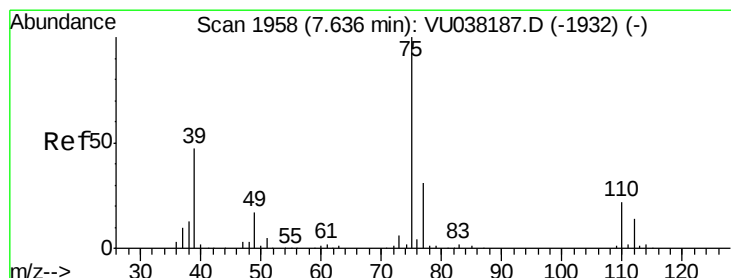
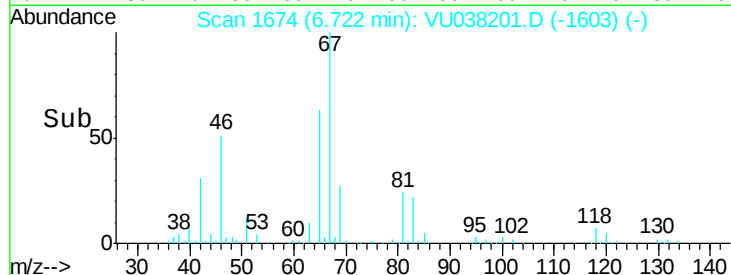
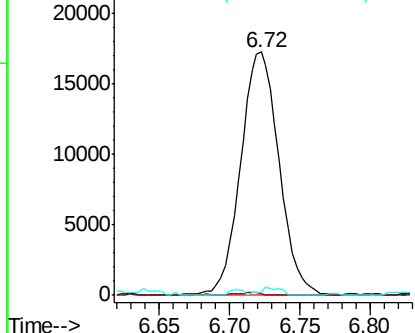
#35
Methylcyclohexane
Concen: 0.790 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038201.D
Acq: 15 May 2020 16:26

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 83 Resp: 32938
Ion Ratio Lower Upper
83 100
55 0.7 66.7 100.1#
98 0.0 39.4 59.2#

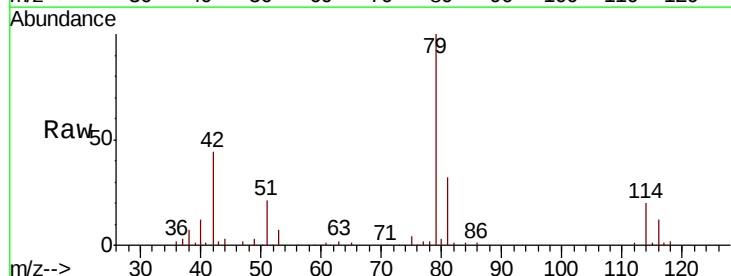


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

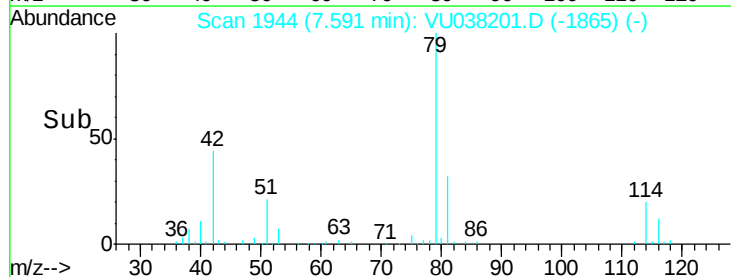
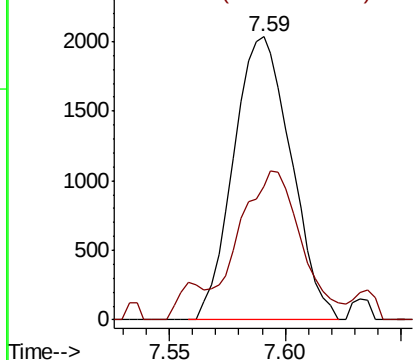


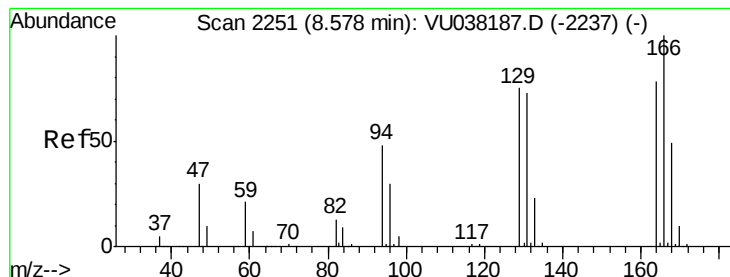
#39
cis-1,3-Dichloropropene
Concen: 0.087 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.05 min
Lab File: VU038201.D
Acq: 15 May 2020 16:26

Tgt Ion: 75 Resp: 3498
Ion Ratio Lower Upper
75 100
77 47.4 22.4 41.6#



Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 152.677 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038201.D

Acq: 15 May 2020 16:26

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 2747983

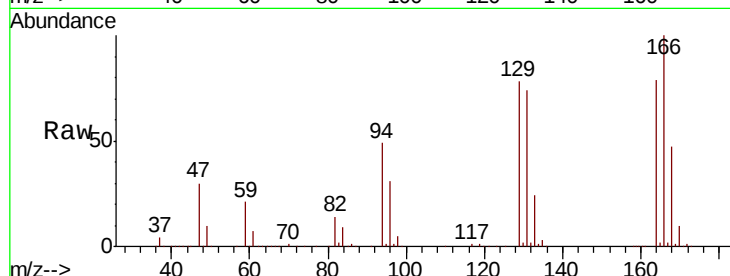
Ion Ratio Lower Upper

164 100

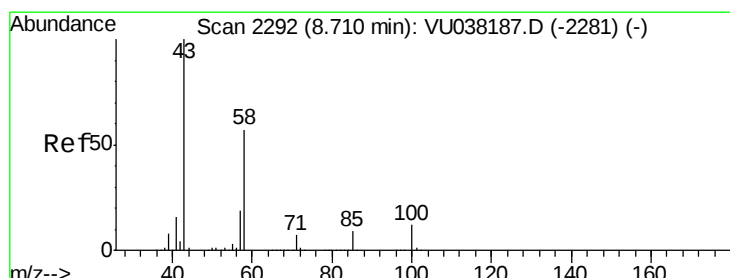
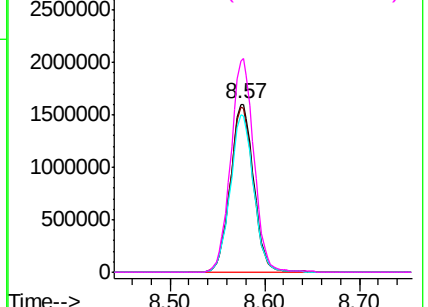
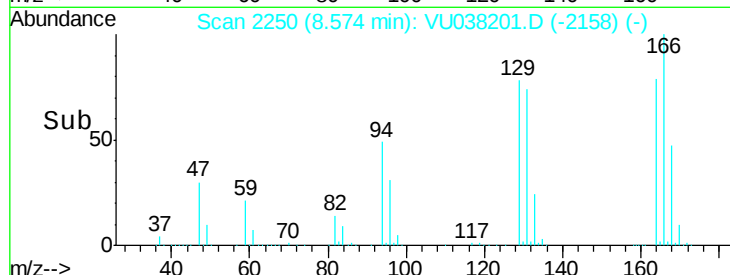
129 98.0 68.8 127.8

131 93.6 66.8 124.2

166 126.1 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: 1.523 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038201.D

Acq: 15 May 2020 16:26

Tgt Ion: 43 Resp: 21597

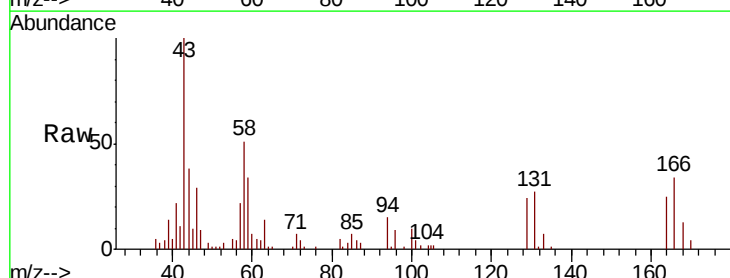
Ion Ratio Lower Upper

43 100

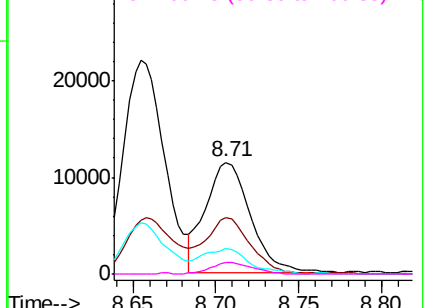
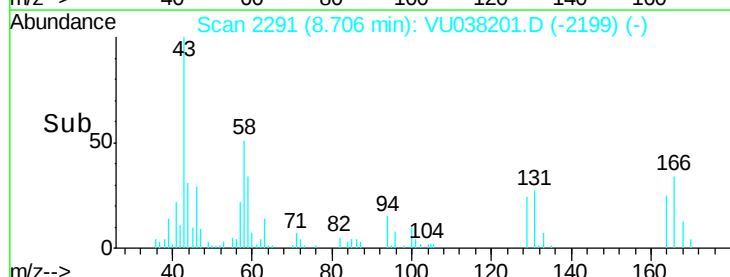
58 51.2 45.2 67.8

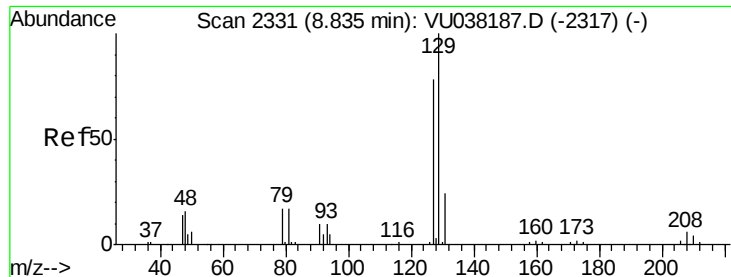
57 24.0 15.5 23.3#

100 9.5 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: 131.216 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038201.D

Acq: 15 May 2020 16:26

Instrument :

MSVOA_U

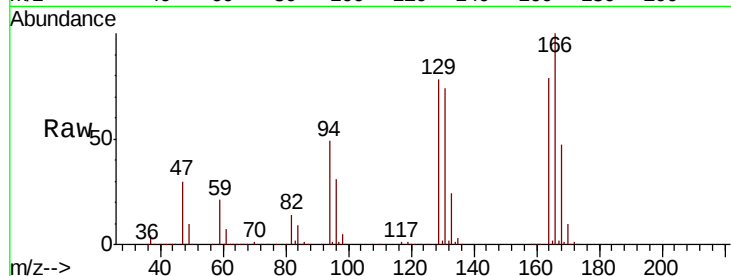
ClientSampleId :

Tot Ion:129 Resp: 2642671

Ion Ratio Lower Upper

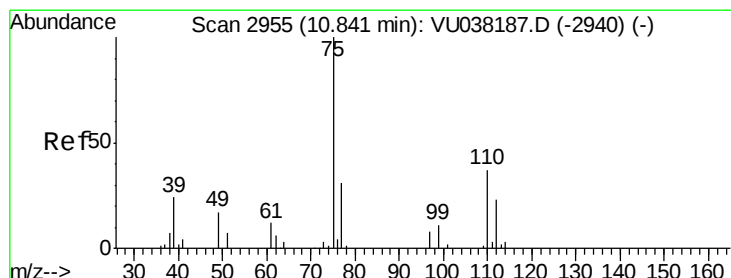
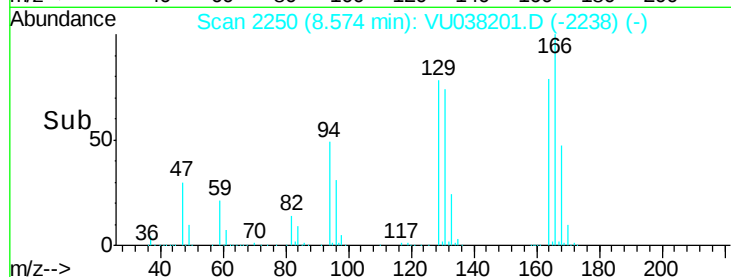
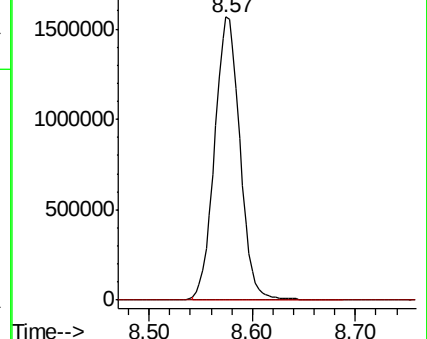
129 100

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: 1.065 ug/L

RT: 11.83 min Scan# 3261

Delta R.T. 0.98 min

Lab File: VU038201.D

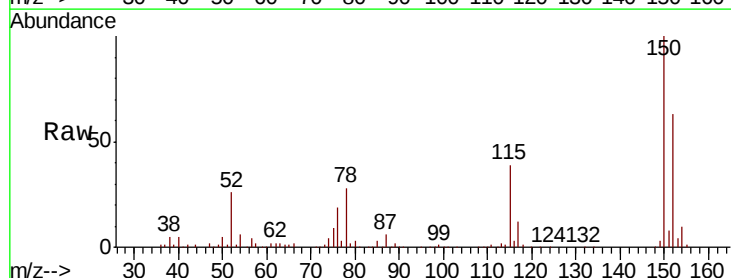
Acq: 15 May 2020 16:26

Tgt Ion: 75 Resp: 19973

Ion Ratio Lower Upper

75 100

77 38.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

