

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038881.D
 Acq On : 13 Jun 2020 04:22
 Operator : SY/MD
 Sample : L2985-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 06:10:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 02:52:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	232203	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	236073	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	102750	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	56307	4.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.00%
7) Chloroethane-d5	1.93	69	58631	5.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.40%
11) 1,1-Dichloroethene-d2	2.59	63	98461	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	4.69	46	309229	77.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	155.70%#
24) Chloroform-d	5.10	84	164911	5.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.80%
26) 1,2-Dichloroethane-d4	5.74	65	102063	6.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	128.80%
32) Benzene-d6	5.76	84	296350	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
36) 1,2-Dichloropropane-d6	6.72	67	100828	6.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	122.20%
41) Toluene-d8	7.92	98	226798	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
43) trans-1,3-Dichloropropene-	8.20	79	33745	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.66	63	259900	79.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	159.62%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	95571	6.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	132.40%#
64) 1,2-Dichlorobenzene-d4	12.20	152	100889	6.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.60%#

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	5763	0.255 ug/L	95
9) Trichlorofluoromethane	2.16	101	10579	0.360 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	3550	0.211 ug/L #	40
12) 1,1-Dichloroethene	2.60	96	5833	0.359 ug/L #	1
16) Methylene chloride	3.08	84	2241	0.120 ug/L	99
17) Methyl tert-butyl Ether	3.40	73	8104	0.193 ug/L	96
18) trans-1,2-Dichloroethene	3.38	96	3405	0.195 ug/L	94
19) 1,1-Dichloroethane	3.91	63	2830	0.090 ug/L	90
22) cis-1,2-Dichloroethene	4.71	96	198743	10.928 ug/L	100
25) Chloroform	5.12	83	11324	0.349 ug/L	90
31) Carbon tetrachloride	5.56	117	10763	0.438 ug/L	99
34) Trichloroethene	6.57	95	1398424	75.071 ug/L	98
35) Methylcyclohexane	6.72	83	24455	0.844 ug/L #	16
37) 1,2-Dichloropropane	6.72	63	11640	0.648 ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	2308	0.087 ug/L #	58
47) Tetrachloroethene	8.57	164	663729	46.283 ug/L	99
48) 2-Hexanone	8.71	43	11251	1.218 ug/L #	83

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ClientSampleId :

Quant Time: Jun 13 06:10:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 13 02:52:53 2020
Response via : Initial Calibration

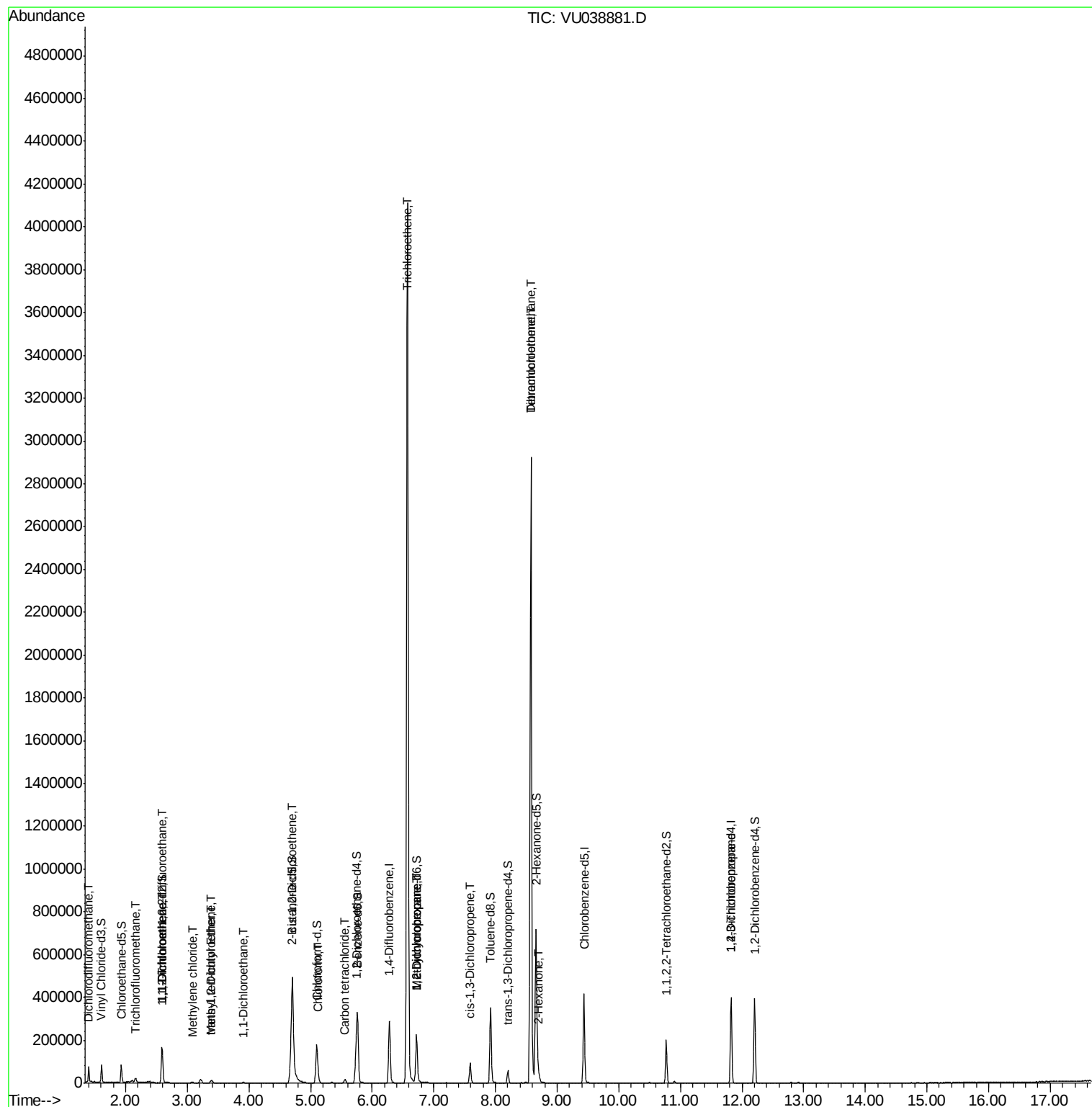
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.57	129	628432	41.076	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	13489	1.012	ug/L #	88

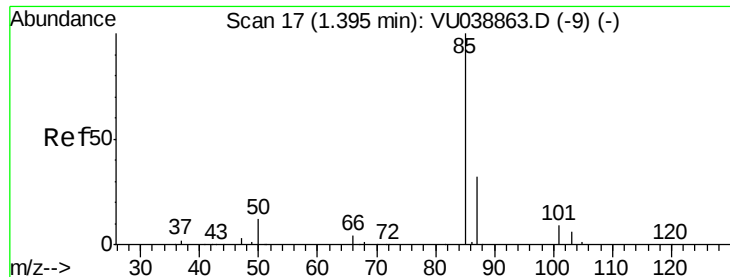
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061320\
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Acq On : 13 Jun 2020 04:22
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MSVOA_U
ClientSampleId :

Quant Time: Jun 13 06:10:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 13 02:52:53 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.255 ug/L

RT: 1.40 min Scan# 18

Delta R.T. 0.00 min

Lab File: VU038881.D

Acq: 13 Jun 2020 04:22

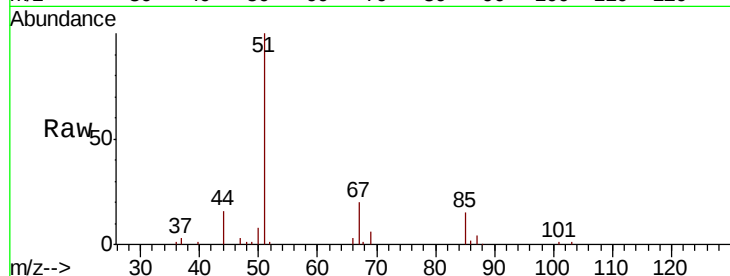
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 5763

Ion Ratio Lower Upper

85 100

87 29.5 25.9 38.9

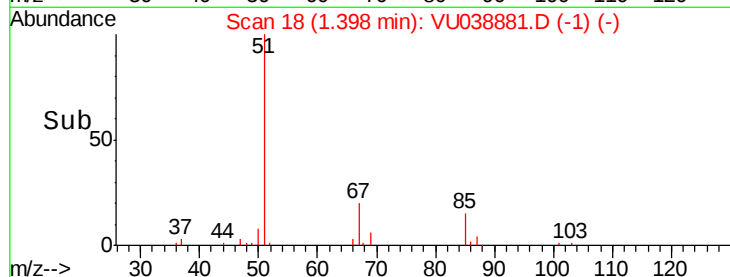


Abundance Ion 85.00 (84.70 to 85.70): VU038881.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038881.D (-1) (-)

1.40

Time-->



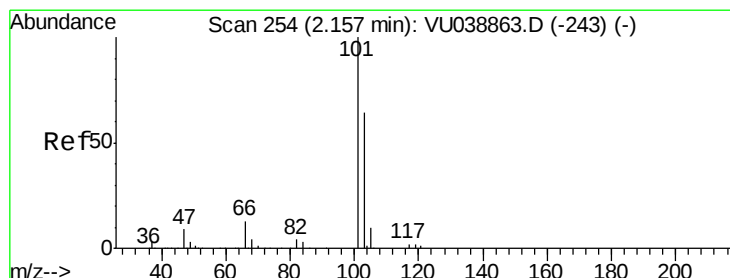
Abundance

Ion 85.00 (84.70 to 85.70): VU038881.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU038881.D (-1) (-)

1.40

Time-->



#9

Trichlorofluoromethane

Concen: 0.360 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038881.D

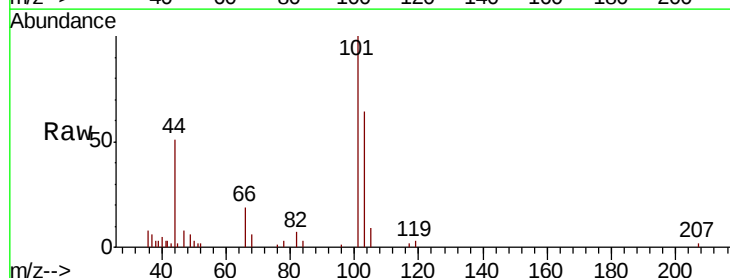
Acq: 13 Jun 2020 04:22

Tgt Ion: 101 Resp: 10579

Ion Ratio Lower Upper

101 100

103 64.8 51.5 77.3

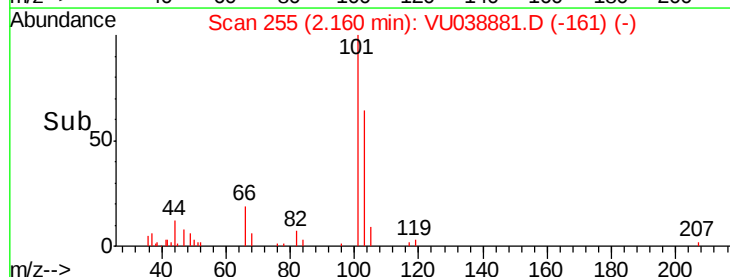


Abundance Ion 101.00 (100.70 to 101.70): VU038881.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU038881.D (-161) (-)

2.16

Time-->



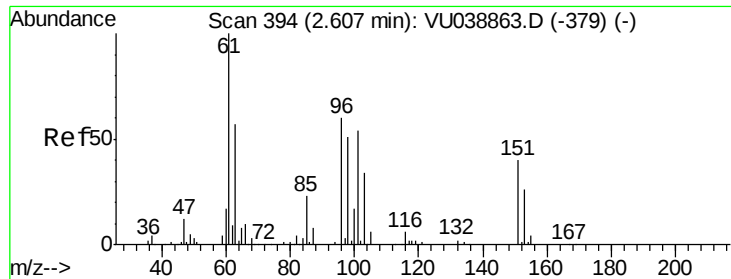
Abundance

Ion 101.00 (100.70 to 101.70): VU038881.D (-161) (-)

Ion 103.00 (102.70 to 103.70): VU038881.D (-161) (-)

2.16

Time-->



#10

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

Concen: 0.211 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU038881.D

Acq: 13 Jun 2020 04:22

Instrument :

MSVOA_U

ClientSampleId :

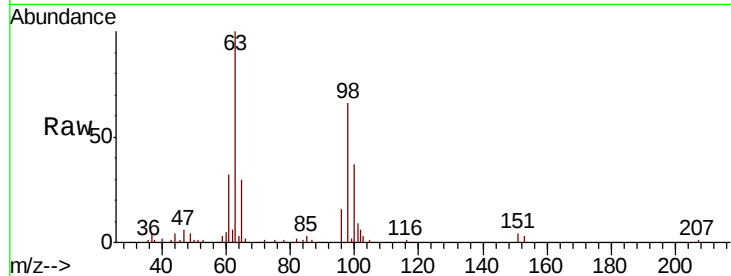
Tot Ion:101 Resp: 3550

Ion Ratio Lower Upper

101 100

85 0.0 34.5 51.7#

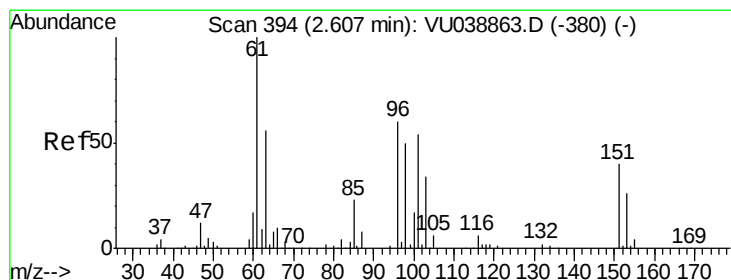
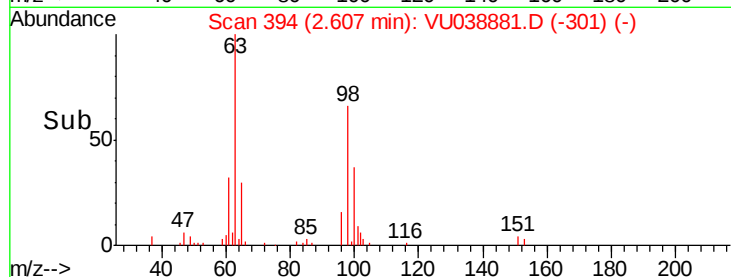
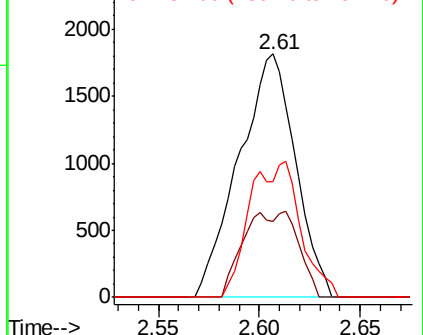
151 24.3 56.5 84.7#



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: 0.359 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038881.D

Acq: 13 Jun 2020 04:22

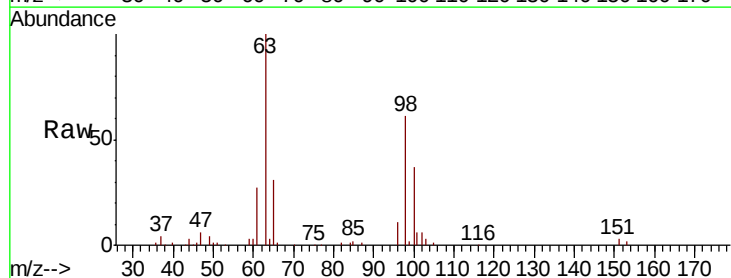
Tgt Ion: 96 Resp: 5833

Ion Ratio Lower Upper

96 100

61 232.3 120.2 223.2#

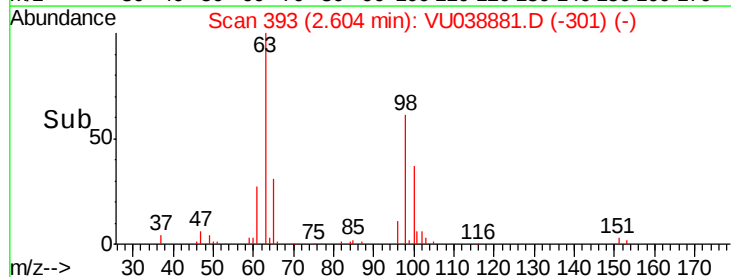
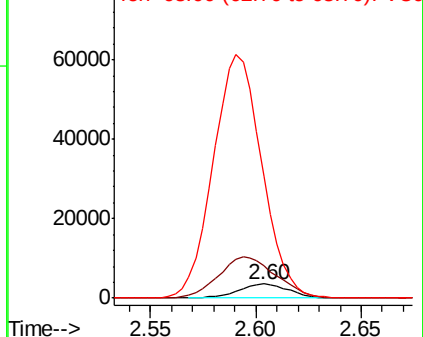
63 873.1 90.1 167.3#

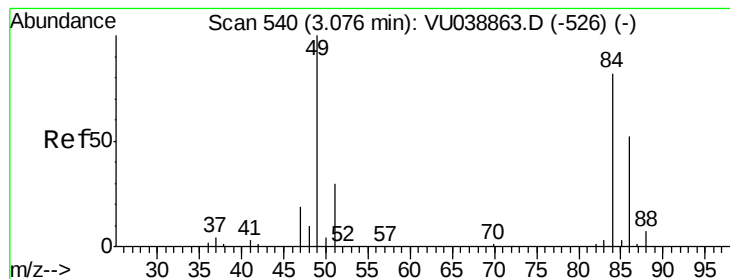


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#16

Methylene chloride

Concen: 0.120 ug/L

RT: 3.08 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU038881.D

Acq: 13 Jun 2020 04:22

Instrument :

MSVOA_U

ClientSampleId :

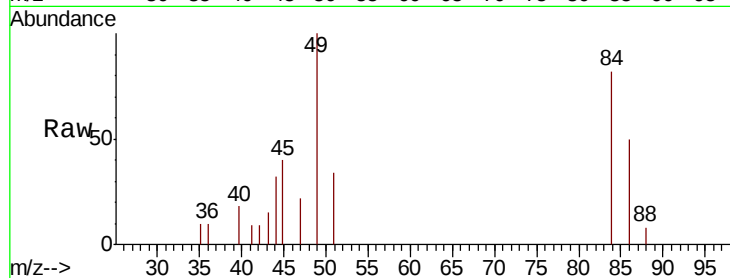
Tot Ion: 84 Resp: 2241

Ion Ratio Lower Upper

84 100

86 60.6 43.0 80.0

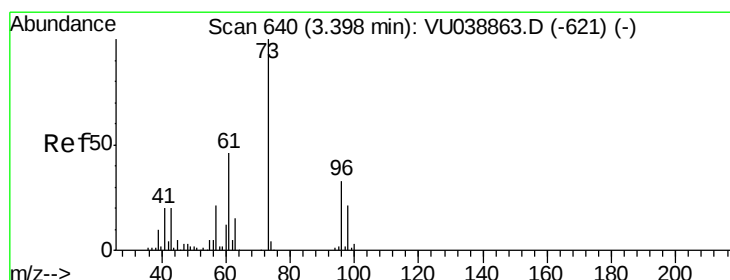
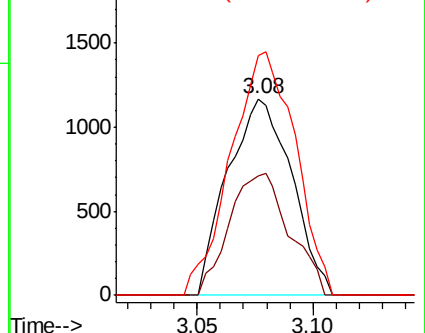
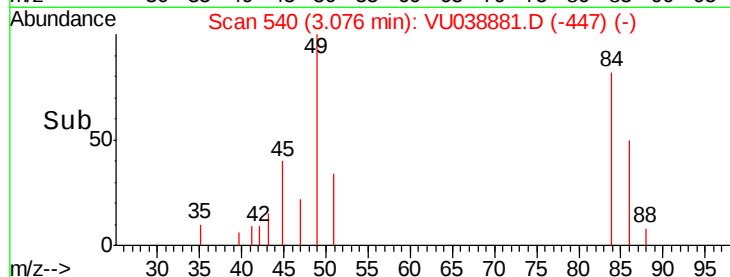
49 121.9 85.0 157.8



Abundance Ion 84.05 (83.75 to 84.75): VU038881.D (-447) (-)

Ion 86.00 (85.70 to 86.70): VU038881.D (-447) (-)

Ion 49.10 (48.80 to 49.80): VU038881.D (-447) (-)



#17

Methyl tert-butyl Ether

Concen: 0.193 ug/L

RT: 3.40 min Scan# 640

Delta R.T. -0.00 min

Lab File: VU038881.D

Acq: 13 Jun 2020 04:22

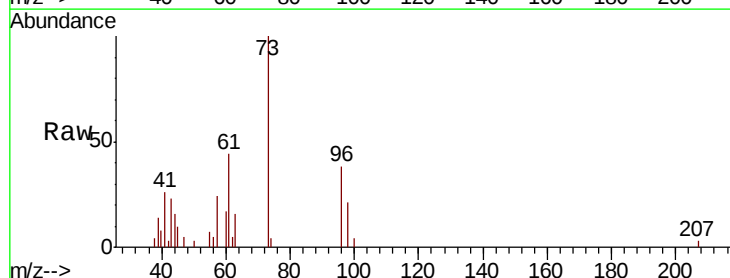
Tgt Ion: 73 Resp: 8104

Ion Ratio Lower Upper

73 100

43 21.8 15.9 23.9

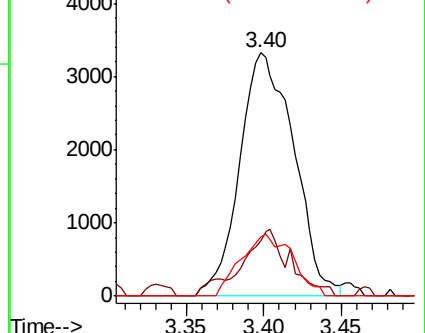
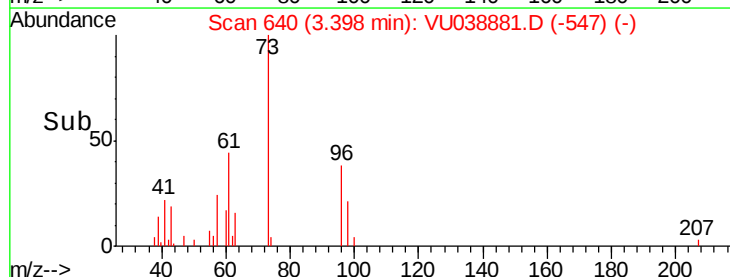
57 24.1 17.5 26.3

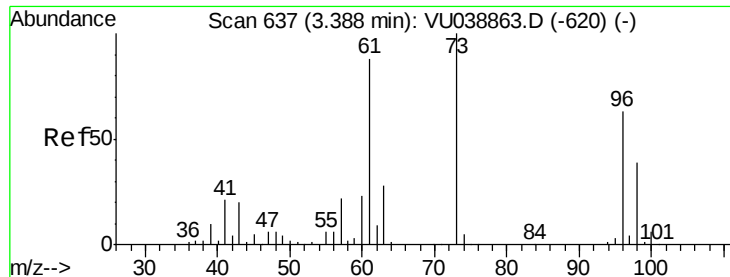


Abundance Ion 73.10 (72.80 to 73.80): VU038881.D (-547) (-)

Ion 43.05 (42.75 to 43.75): VU038881.D (-547) (-)

Ion 57.10 (56.80 to 57.80): VU038881.D (-547) (-)

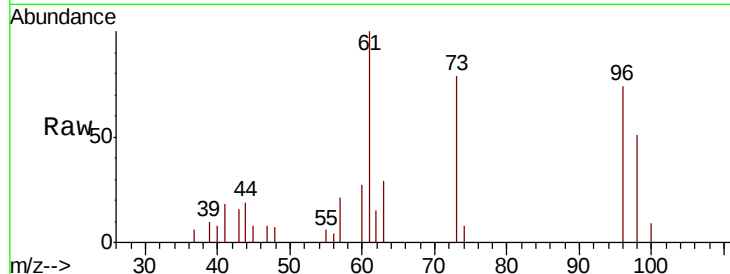




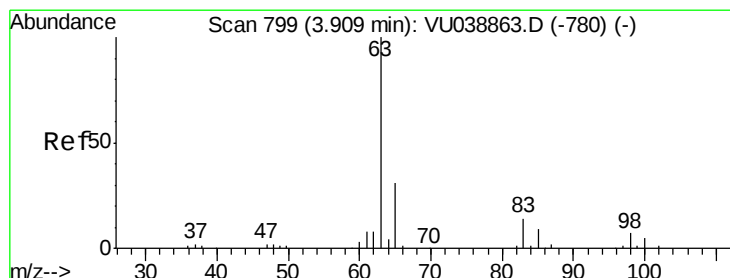
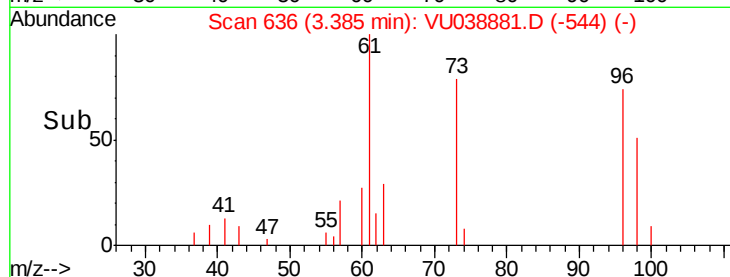
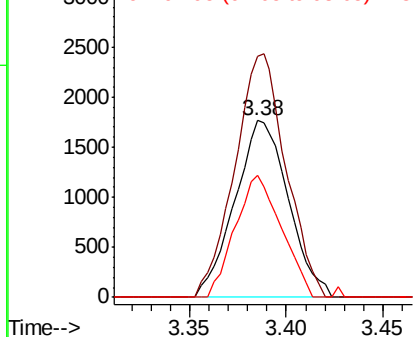
#18
trans-1,2-Dichloroethene
Concen: 0.195 ug/L
RT: 3.38 min Scan# 636
Delta R.T. -0.00 min
Lab File: VU038881.D
Acq: 13 Jun 2020 04:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 3405
Ion Ratio Lower Upper
96 100
61 136.0 99.3 184.5
98 69.1 43.9 81.5

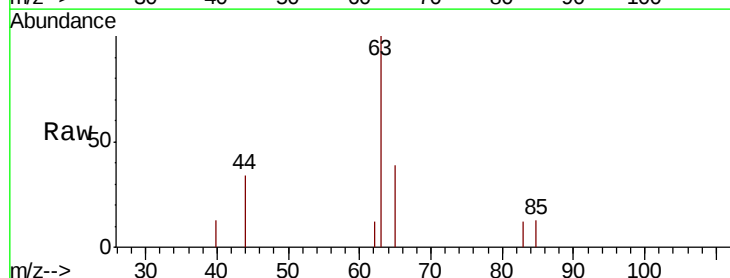


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

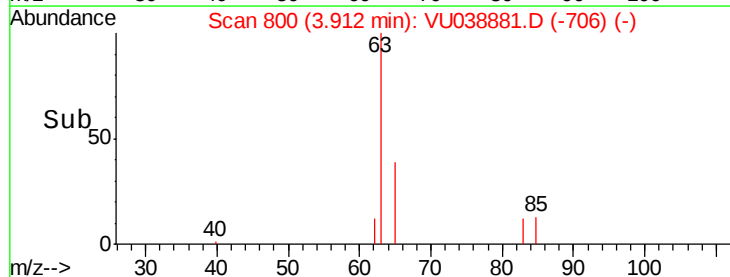
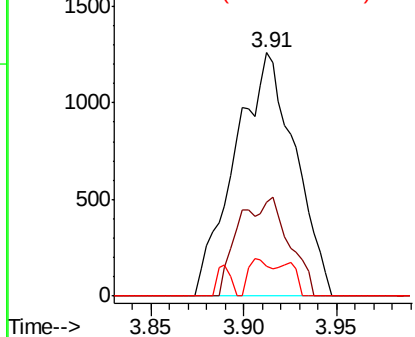


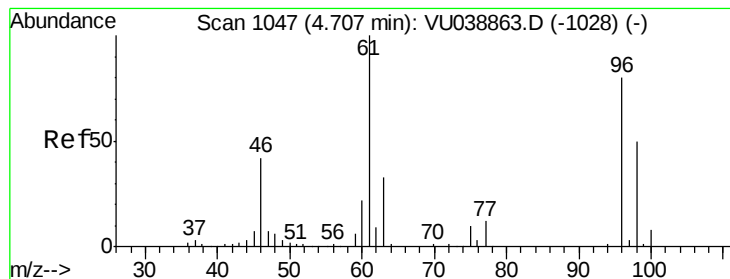
#19
1,1-Dichloroethane
Concen: 0.090 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU038881.D
Acq: 13 Jun 2020 04:22

Tgt Ion: 63 Resp: 2830
Ion Ratio Lower Upper
63 100
65 38.7 22.3 41.5
83 12.5 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 65.10 (64.80 to 65.80): VU0
Ion 83.05 (82.75 to 83.75): VU0





#22

cis-1,2-Dichloroethene

Concen: 10.928 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038881.D

Acq: 13 Jun 2020 04:22

Instrument :
MSVOA_U
ClientSampled :

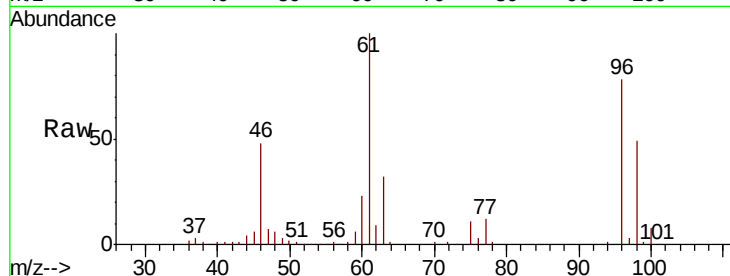
Tot Ion: 96 Resp: 198743

Ion Ratio Lower Upper

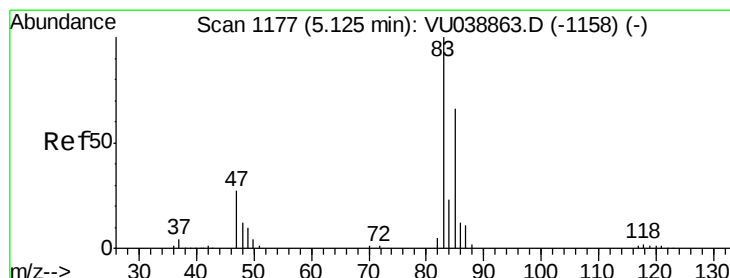
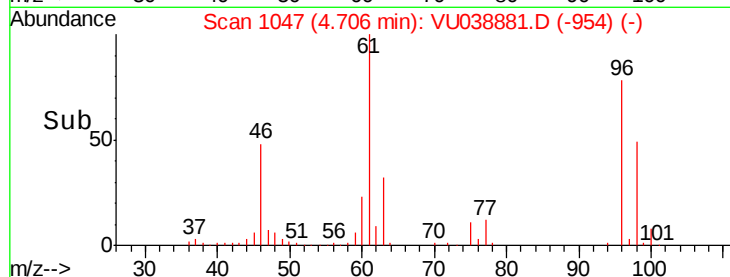
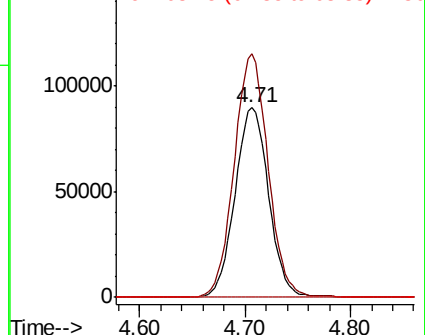
96 100

61 128.6 89.7 166.7

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



#25

Chloroform

Concen: 0.349 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038881.D

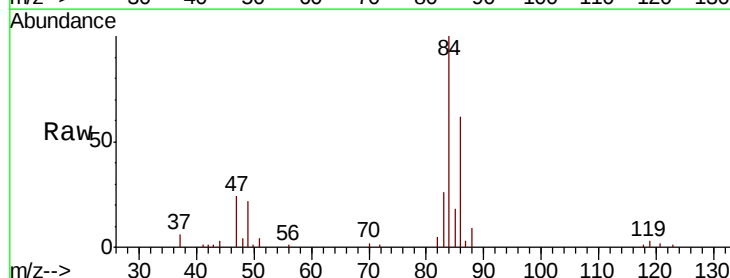
Acq: 13 Jun 2020 04:22

Tgt Ion: 83 Resp: 11324

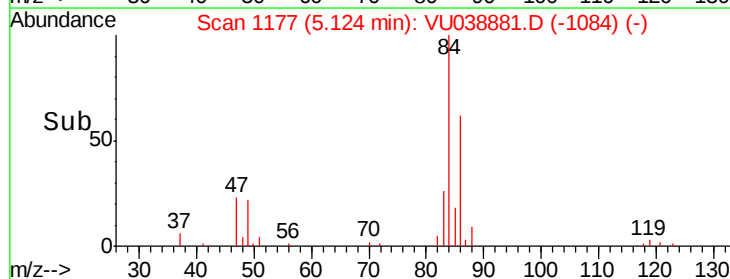
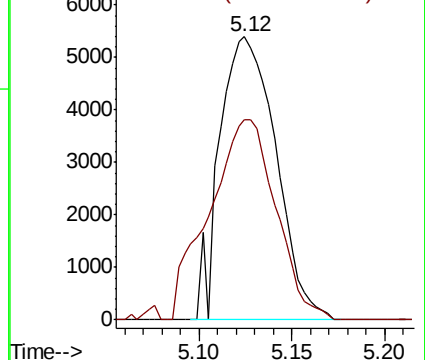
Ion Ratio Lower Upper

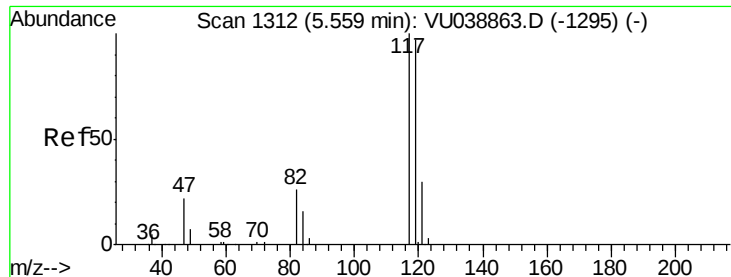
83 100

85 70.8 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

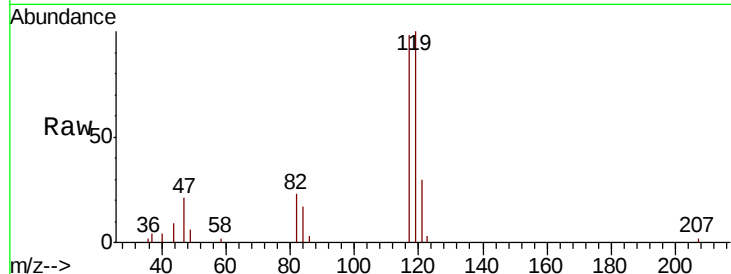




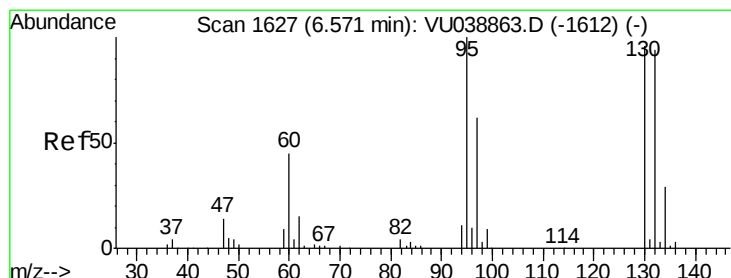
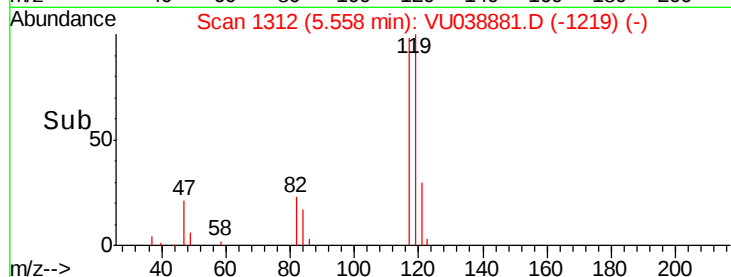
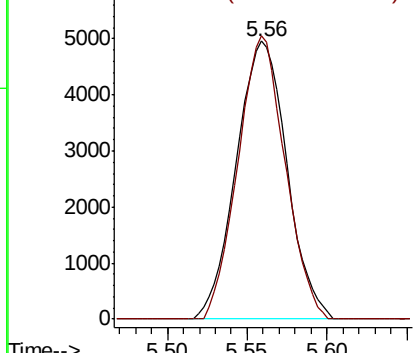
#31
Carbon tetrachloride
Concen: 0.438 ug/L
RT: 5.56 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU038881.D
Acq: 13 Jun 2020 04:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 10763
Ion Ratio Lower Upper
117 100
119 94.7 76.2 114.2

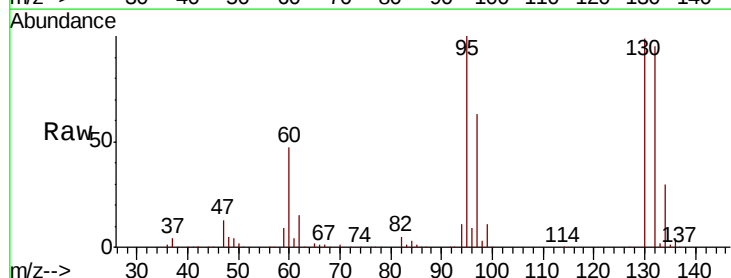


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

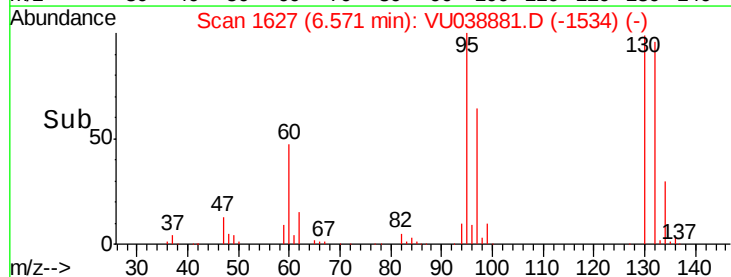
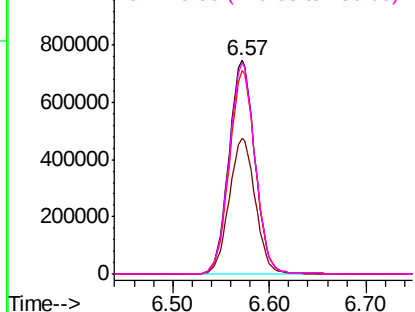


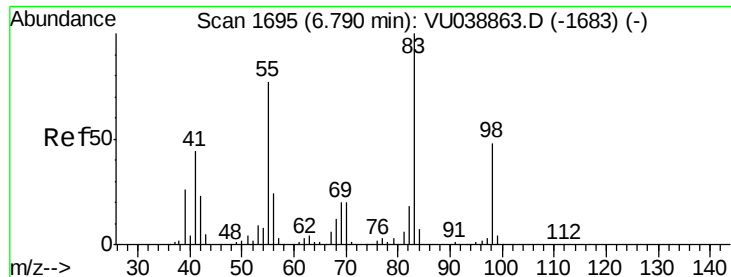
#34
Trichloroethene
Concen: 75.071 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU038881.D
Acq: 13 Jun 2020 04:22

Tgt Ion: 95 Resp: 1398424
Ion Ratio Lower Upper
95 100
97 63.3 46.1 85.5
132 95.3 67.5 125.3
130 98.7 66.7 123.9



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

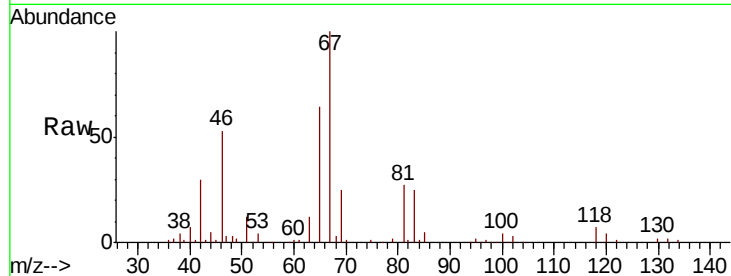




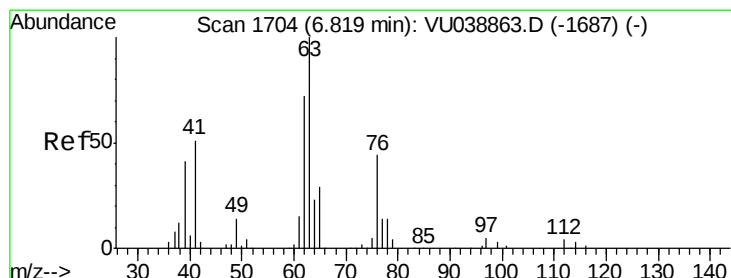
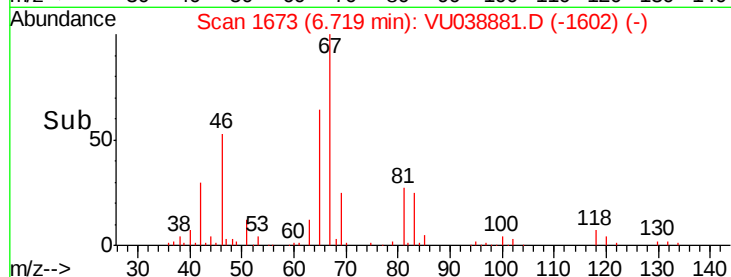
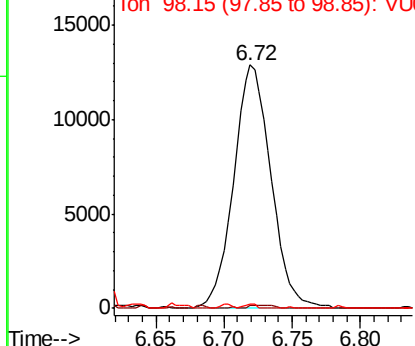
#35
Methvlcvclohexane
Concen: 0.844 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.07 min
Lab File: VU038881.D
Acq: 13 Jun 2020 04:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 24455
Ion Ratio Lower Upper
83 100
55 0.3 64.2 96.2#
98 0.0 40.5 60.7#

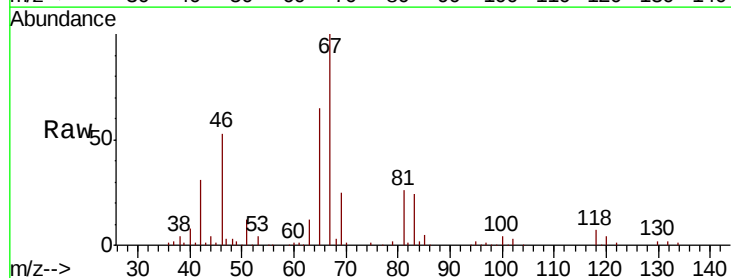


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

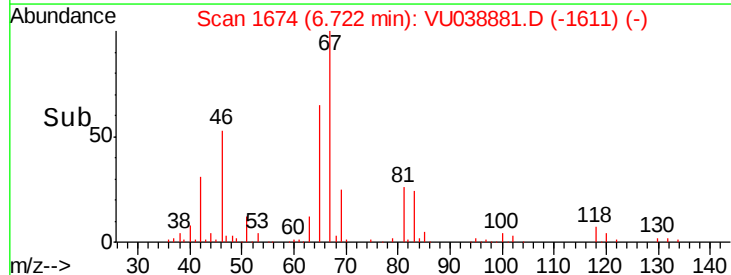
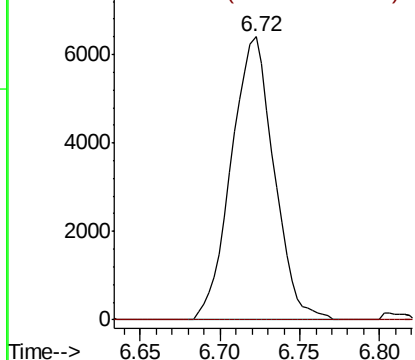


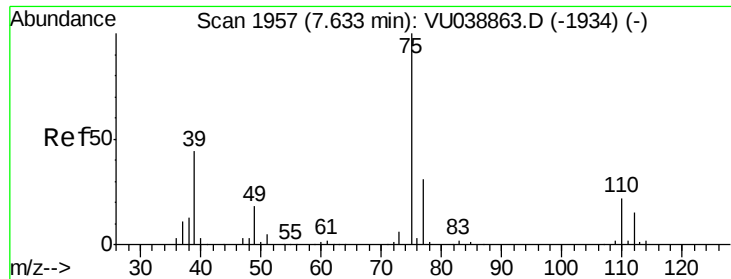
#37
1,2-Dichloropropane
Concen: 0.648 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.10 min
Lab File: VU038881.D
Acq: 13 Jun 2020 04:22

Tgt Ion: 63 Resp: 11640
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



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

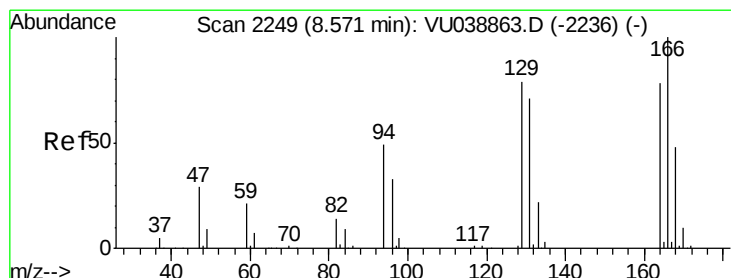
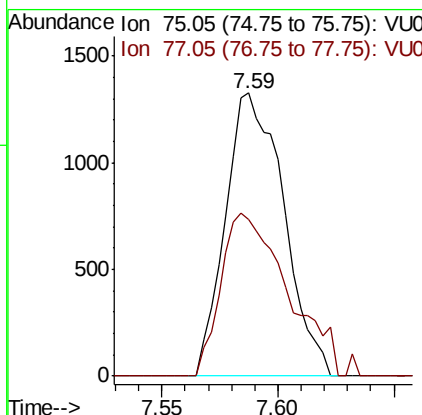
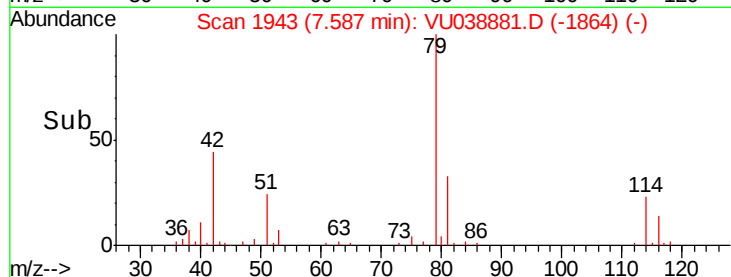
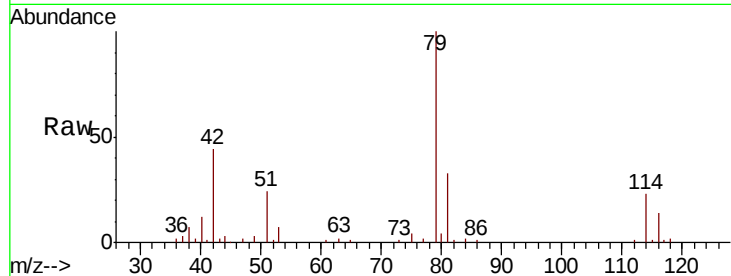




#39
 cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.59 min Scan# 1943
 Delta R.T. -0.05 min
 Lab File: VU038881.D
 Acq: 13 Jun 2020 04:22

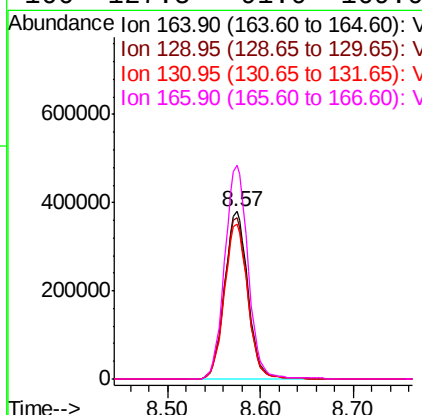
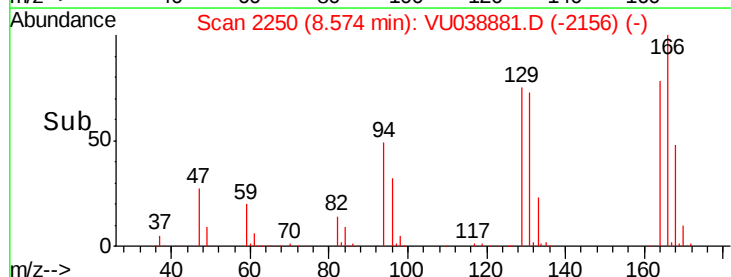
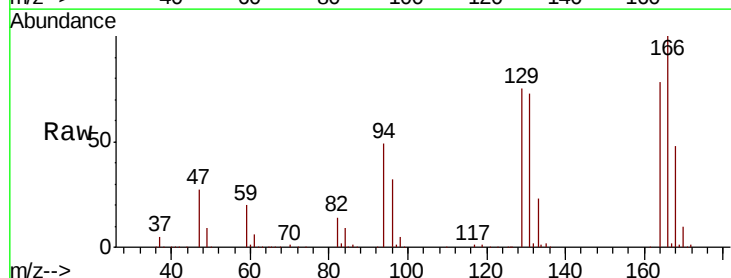
Instrument :
 MSVOA_U
 ClientSampleId :

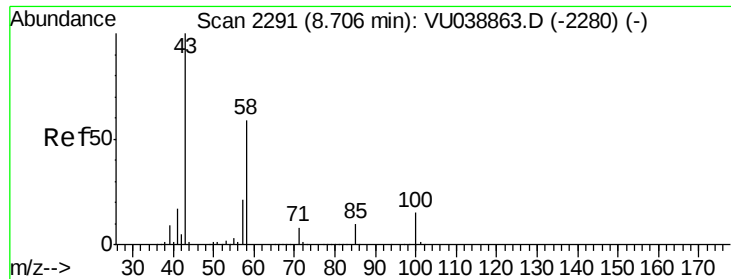
Tot Ion: 75 Resp: 2308
 Ion Ratio Lower Upper
 75 100
 77 55.5 22.4 41.6#



#47
 Tetrachloroethene
 Concen: 46.283 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038881.D
 Acq: 13 Jun 2020 04:22

Tgt Ion:164 Resp: 663729
 Ion Ratio Lower Upper
 164 100
 129 96.2 67.3 124.9
 131 92.7 65.0 120.6
 166 127.5 91.0 169.0

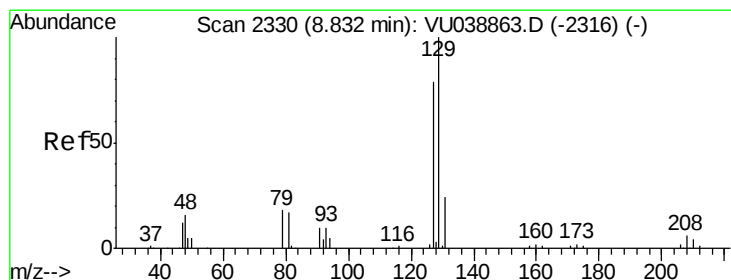
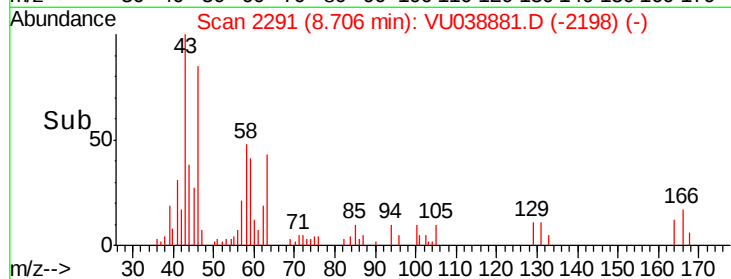
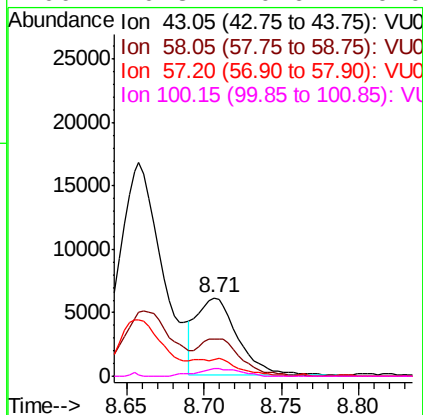
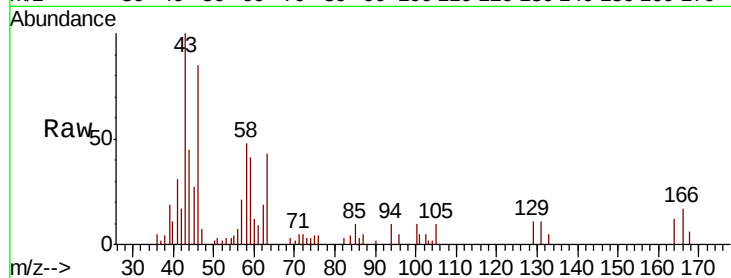




#48
2-Hexanone
Concen: 1.218 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038881.D
Acq: 13 Jun 2020 04:22

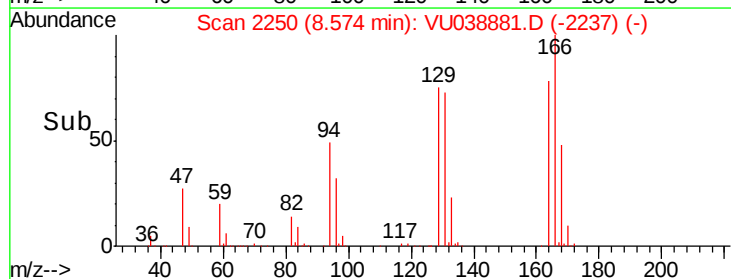
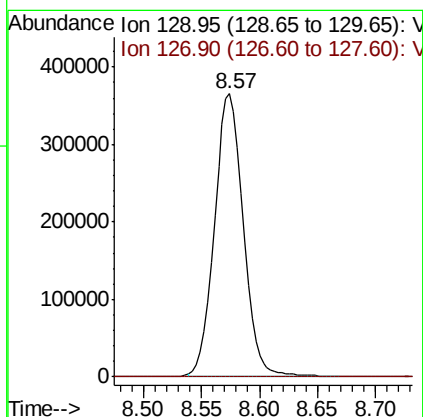
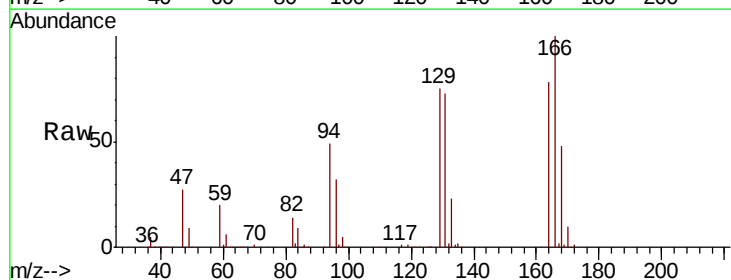
Instrument :
MSVOA_U
ClientSampleId :

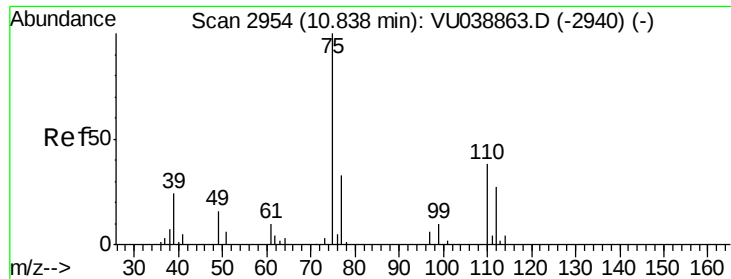
Tot Ion	Ratio	Lower	Upper
43	100		
58	48.6	44.8	67.2
57	0.0	16.2	24.2#
100	10.3	10.6	16.0#



#49
Dibromochloromethane
Concen: 41.076 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038881.D
Acq: 13 Jun 2020 04:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.5	103.1#





#59

1,2,3-Trichloropropane

Concen: 1.012 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038881.D

Acq: 13 Jun 2020 04:22

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 13489

Ion Ratio Lower Upper

75 100

77 38.9 25.8 38.8#

