

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051520\
 Data File : VU038200.D
 Acq On : 15 May 2020 16:03
 Operator : JC/MD
 Sample : L2657-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 16 03:34:47 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	332953	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	322925	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	153638	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	114181	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	1.93	69	114961	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.59	63	165922	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	4.66	46	396216	52.73	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.46%
24) Chloroform-d	5.10	84	218107	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
26) 1,2-Dichloroethane-d4	5.74	65	132101	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
32) Benzene-d6	5.76	84	458391	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.72	67	156623	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.20%
41) Toluene-d8	7.92	98	399846	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	8.20	79	53831	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	8.65	63	326658	55.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.58%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	120984	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	148357	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	26984	0.886	ug/L 98
9) Trichlorofluoromethane	2.16	101	118374	3.220	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	7974	0.350	ug/L # 85
12) 1,1-Dichloroethene	2.60	96	20314	0.879	ug/L # 1
19) 1,1-Dichloroethane	3.91	63	9610	0.195	ug/L 95
22) cis-1,2-Dichloroethene	4.71	96	120975	4.450	ug/L 99
25) Chloroform	5.13	83	8715	0.190	ug/L 95
29) 1,1,1-Trichloroethane	5.35	97	4911	0.133	ug/L 95
31) Carbon tetrachloride	5.57	117	3456	0.116	ug/L 95
34) Trichloroethene	6.57	95	868546	33.581	ug/L 98
35) Methylcyclohexane	6.72	83	34574	0.825	ug/L # 16
37) 1,2-Dichloropropane	6.72	63	16529	0.588	ug/L # 88
39) cis-1,3-Dichloropropene	7.59	75	3626	0.090	ug/L # 69
47) Tetrachloroethene	8.57	164	545642	30.161	ug/L 99
48) 2-Hexanone	8.71	43	22875	1.604	ug/L 91
49) Dibromochloromethane	8.57	129	539352	26.644	ug/L # 10
59) 1,2,3-Trichloropropane	11.82	75	20946	1.111	ug/L 89

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Quant Time: May 16 03:34:47 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 16 03:30:00 2020
Response via : Initial Calibration

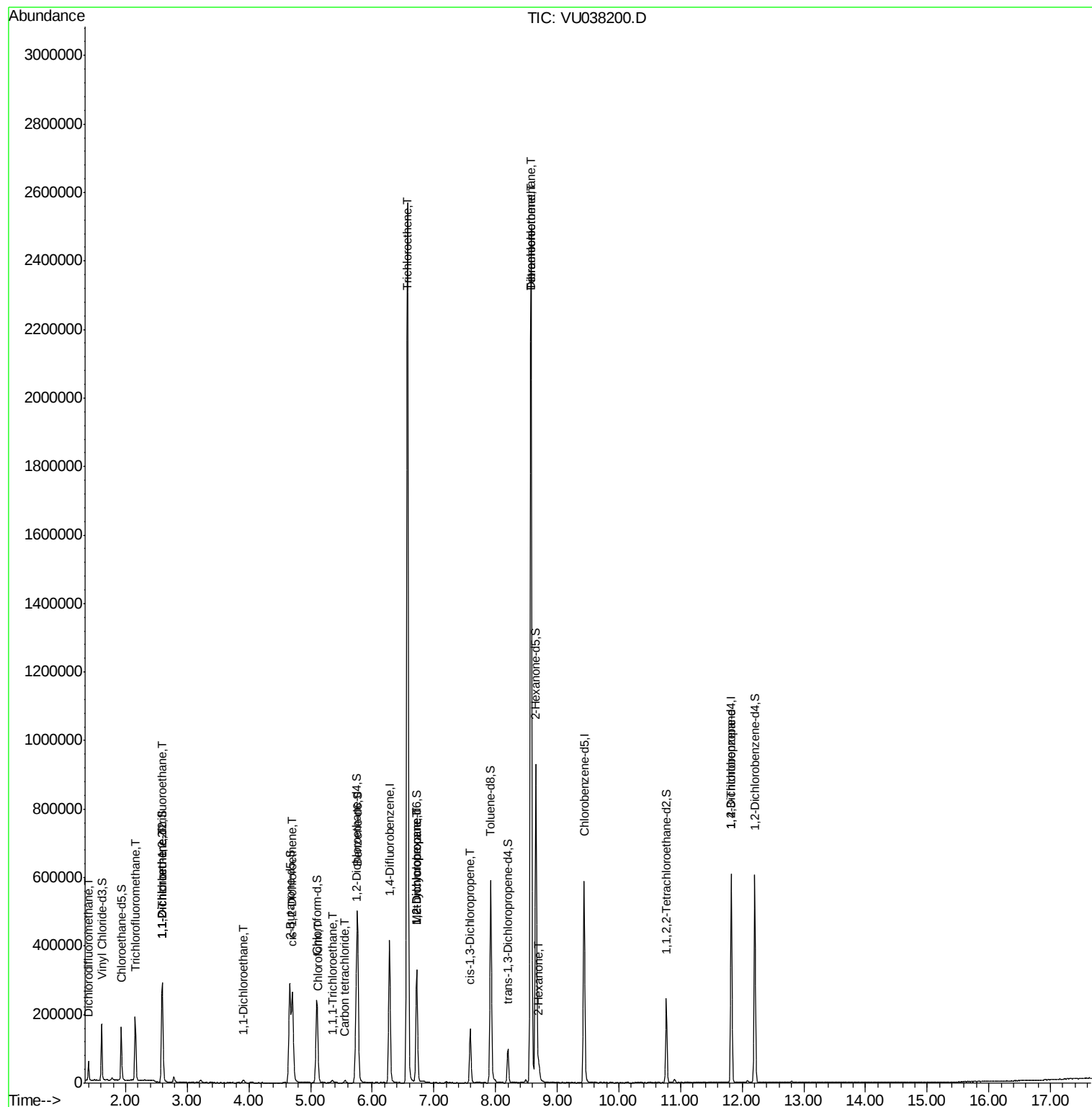
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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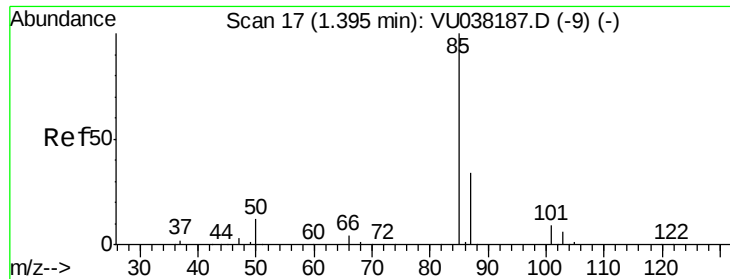
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.886 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

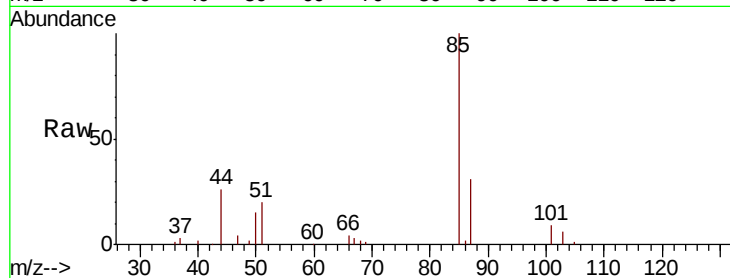
ClientSampled :

Tot Ion: 85 Resp: 26984

Ion Ratio Lower Upper

85 100

87 31.5 26.2 39.4

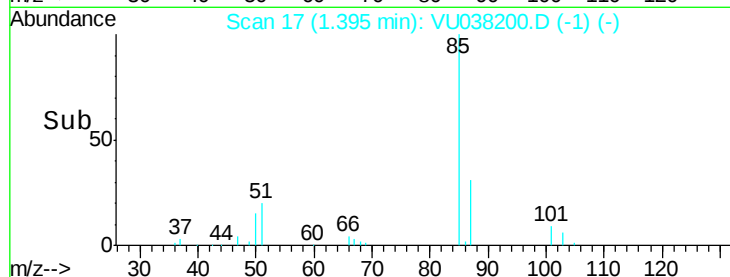


Abundance Ion 85.00 (84.70 to 85.70): VU038187.D (-9) (-)

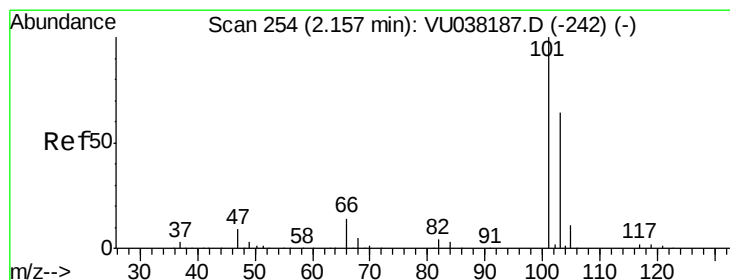
Ion 87.00 (86.70 to 87.70): VU038187.D (-9) (-)

1.39

Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 3.220 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038200.D

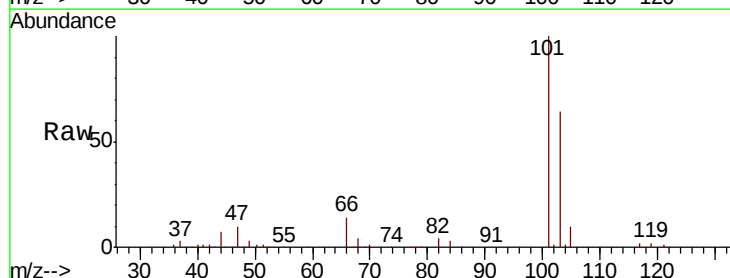
Acq: 15 May 2020 16:03

Tgt Ion: 101 Resp: 118374

Ion Ratio Lower Upper

101 100

103 64.4 51.0 76.4

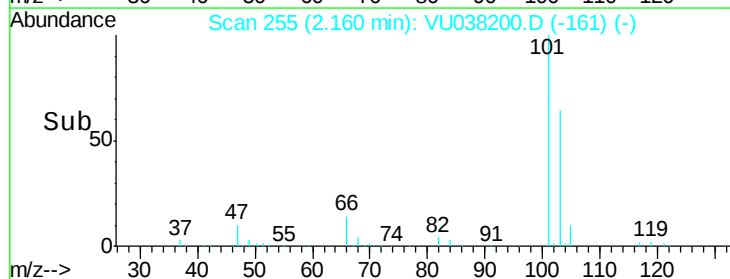


Abundance Ion 101.00 (100.70 to 101.70): VU038187.D (-242) (-)

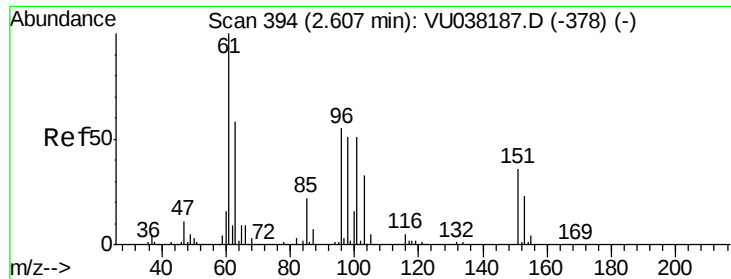
Ion 103.00 (102.70 to 103.70): VU038187.D (-242) (-)

2.16

Time-->



Time-->



#10

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

Concen: 0.350 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

ClientSampleId :

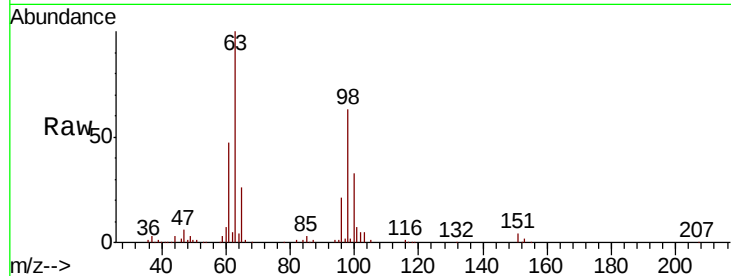
Tot Ion:101 Resp: 7974

Ion Ratio Lower Upper

101 100

85 35.2 35.3 52.9#

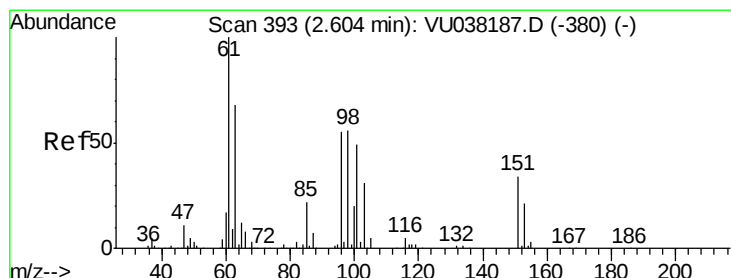
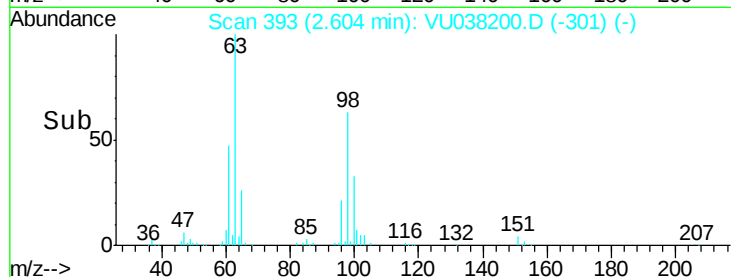
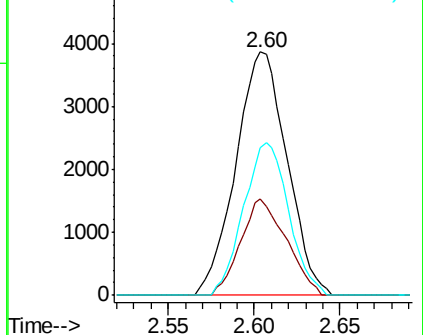
151 55.1 54.2 81.2



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: 0.879 ug/L

RT: 2.60 min Scan# 393

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

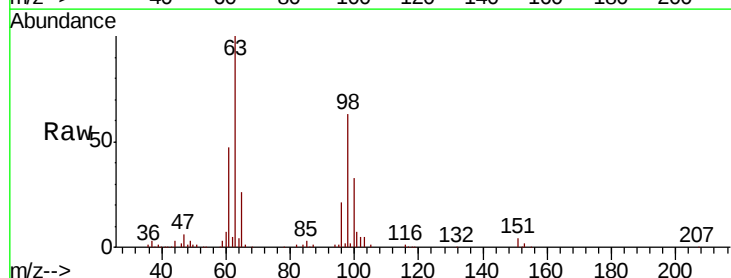
Tgt Ion: 96 Resp: 20314

Ion Ratio Lower Upper

96 100

61 220.3 126.2 234.4

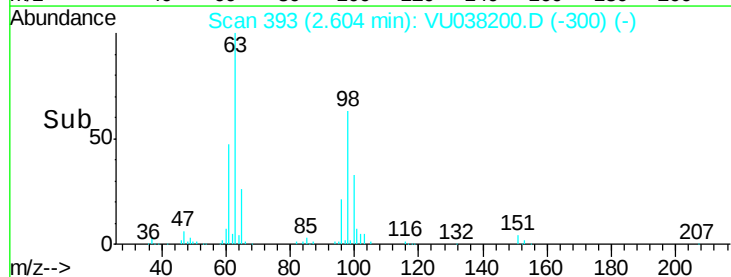
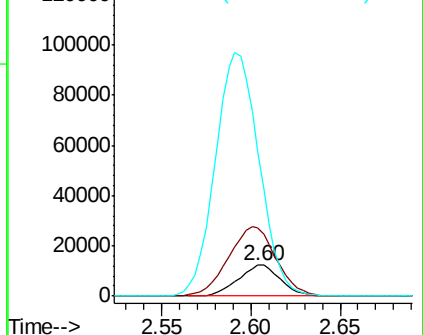
63 468.5 96.9 179.9#

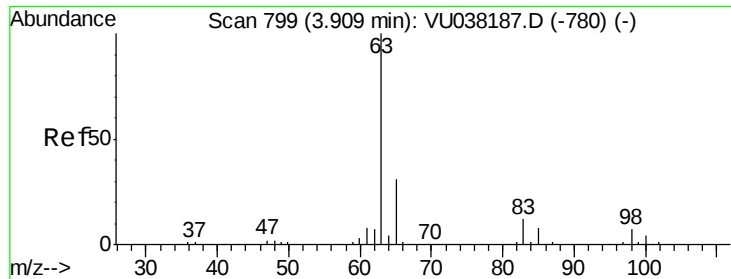


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

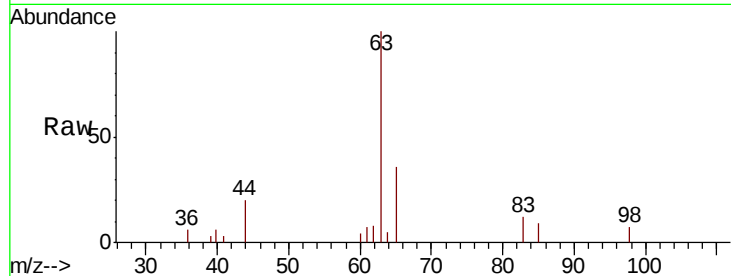




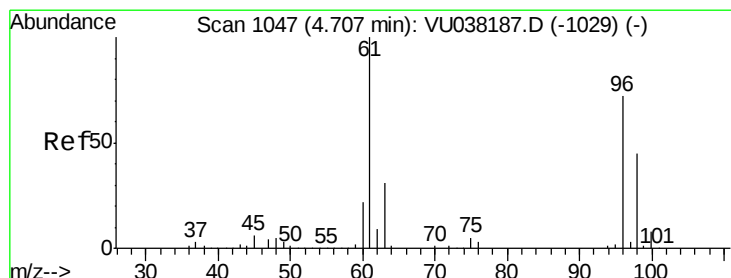
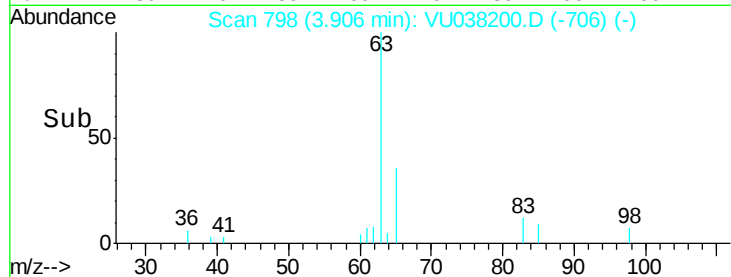
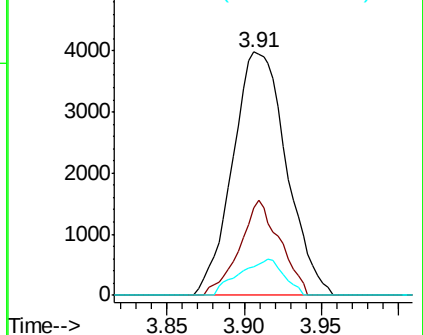
#19
 1,1-Dichloroethane
 Concen: 0.195 ug/L
 RT: 3.91 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: VU038200.D
 Acq: 15 May 2020 16:03

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 9610
 Ion Ratio Lower Upper
 63 100
 65 35.8 22.5 41.7
 83 11.9 8.9 16.5

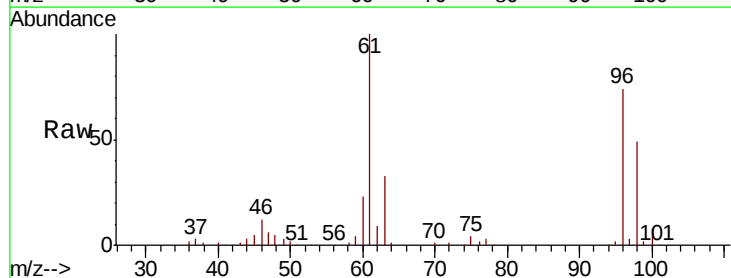


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

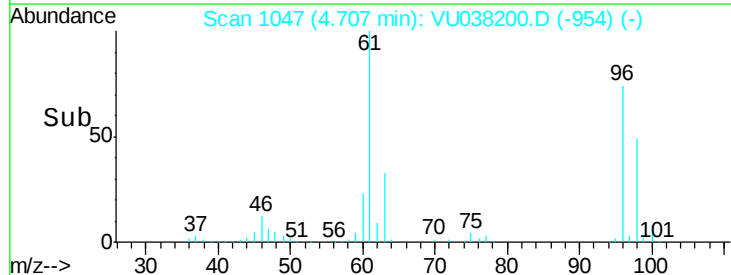
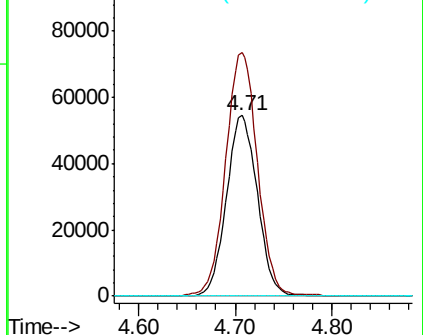


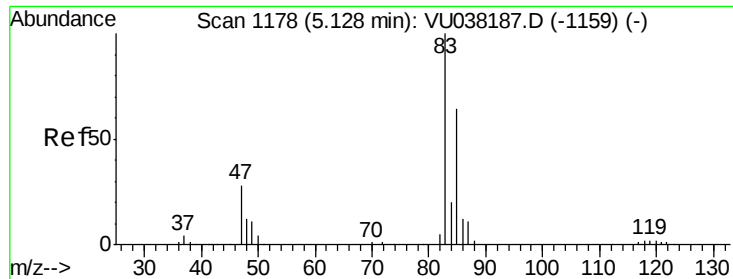
#22
 cis-1,2-Dichloroethene
 Concen: 4.450 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU038200.D
 Acq: 15 May 2020 16:03

Tgt Ion: 96 Resp: 120975
 Ion Ratio Lower Upper
 96 100
 61 134.6 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

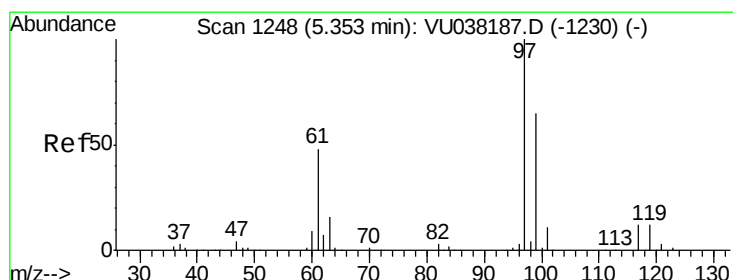
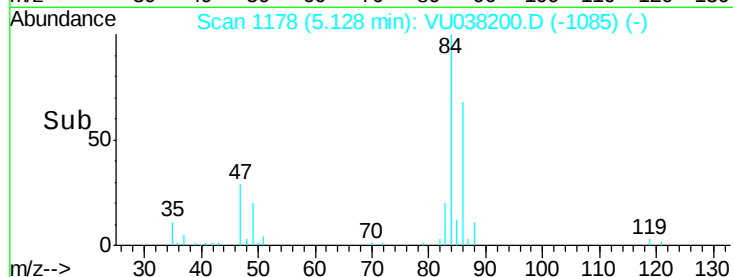
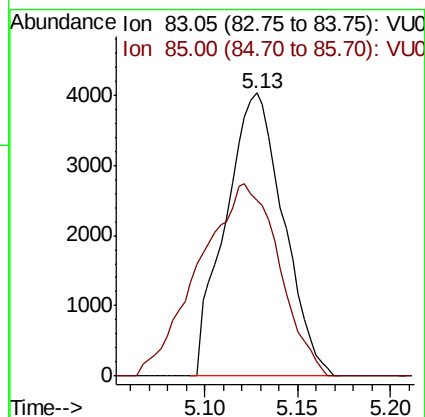
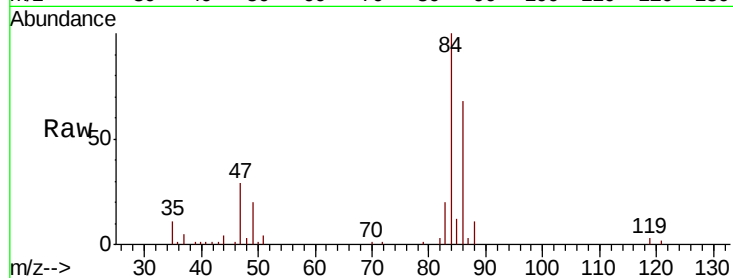




#25
Chloroform
Concen: 0.190 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038200.D
Acq: 15 May 2020 16:03

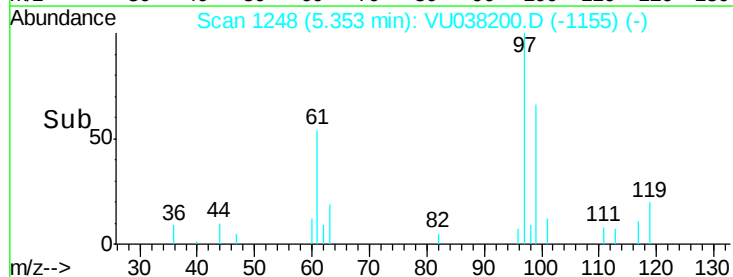
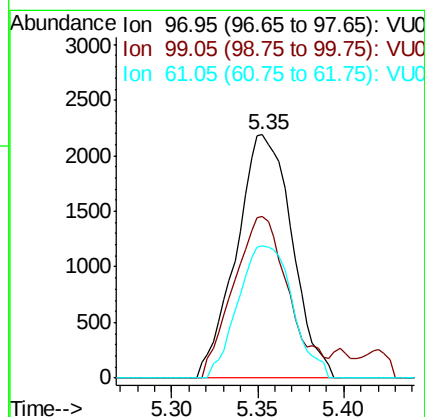
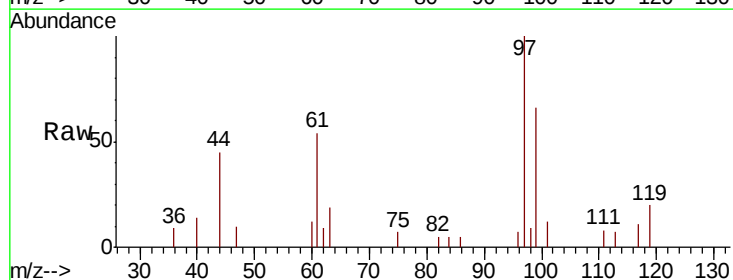
Instrument :
MSVOA_U
ClientSampleId :

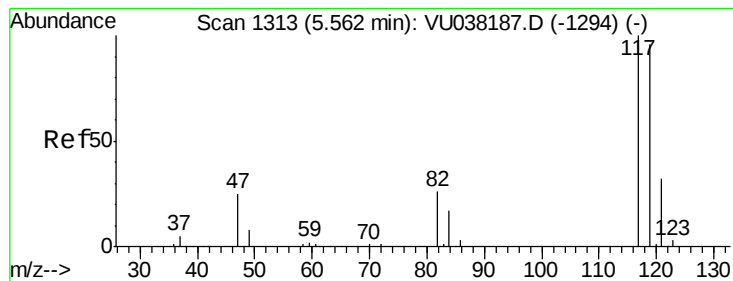
Tot Ion: 83 Resp: 8715
Ion Ratio Lower Upper
83 100
85 62.2 46.2 85.8



#29
1,1,1-Trichloroethane
Concen: 0.133 ug/L
RT: 5.35 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VU038200.D
Acq: 15 May 2020 16:03

Tgt Ion: 97 Resp: 4911
Ion Ratio Lower Upper
97 100
99 66.4 51.0 76.4
61 53.1 38.2 57.4





#31

Carbon tetrachloride

Concen: 0.116 ug/L

RT: 5.57 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

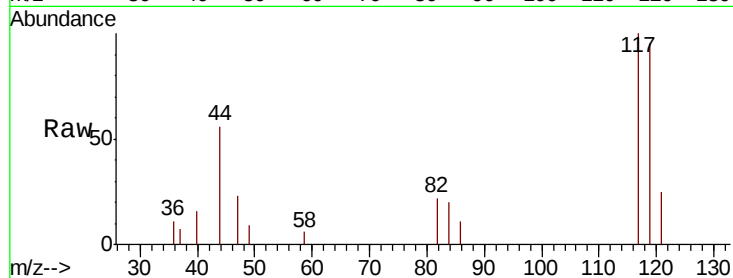
ClientSampleId :

Tot Ion:117 Resp: 3456

Ion Ratio Lower Upper

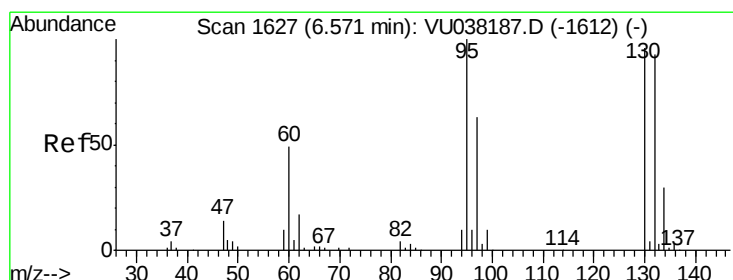
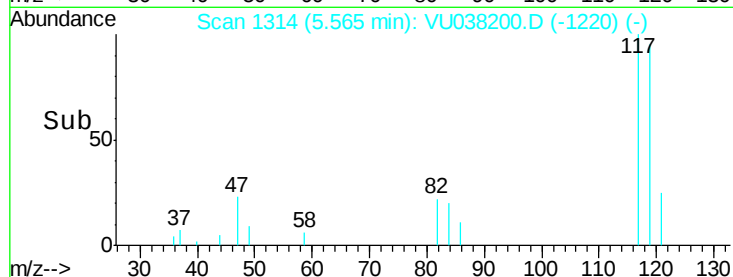
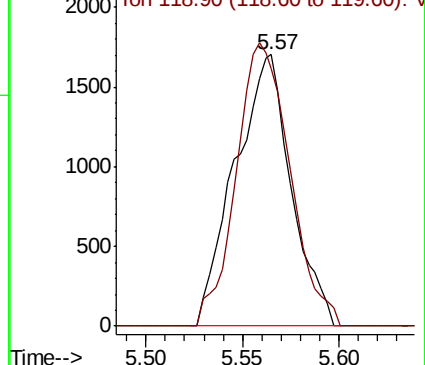
117 100

119 99.4 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: 33.581 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Tgt Ion: 95 Resp: 868546

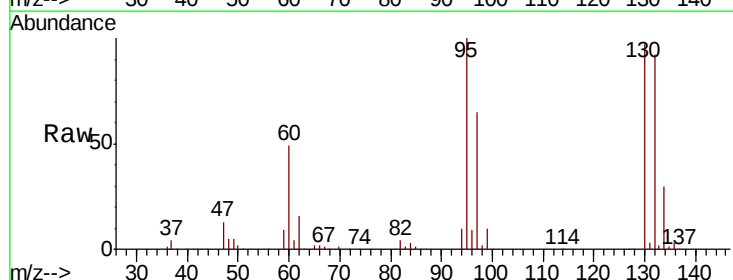
Ion Ratio Lower Upper

95 100

97 64.6 44.9 83.3

132 92.2 63.3 117.5

130 97.5 65.7 122.1

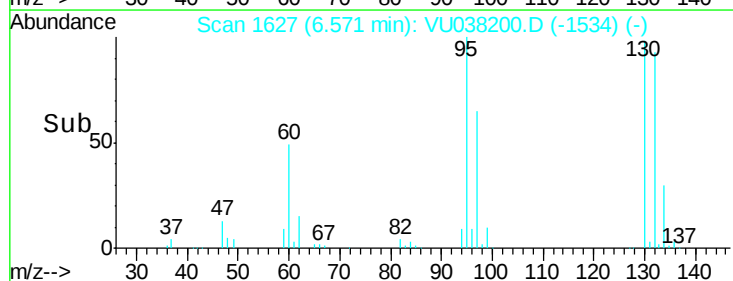
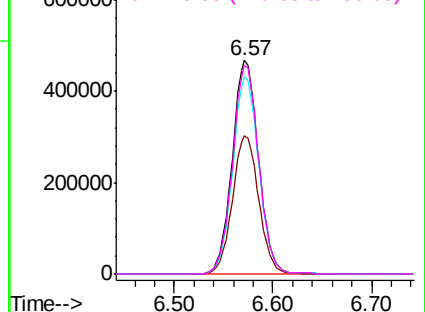


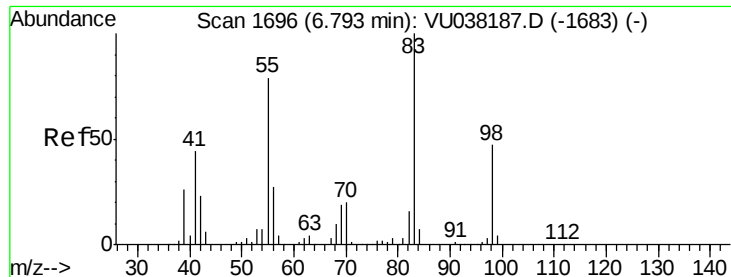
Abundance Ion 95.00 (94.70 to 95.70): VU0

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

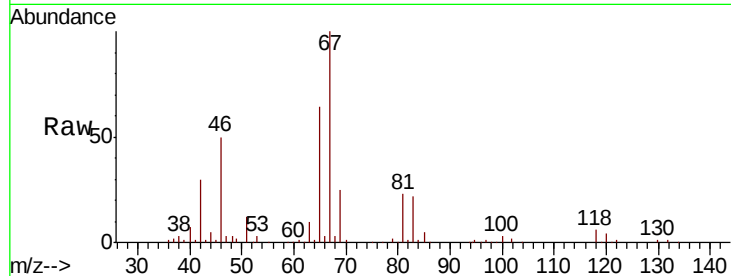




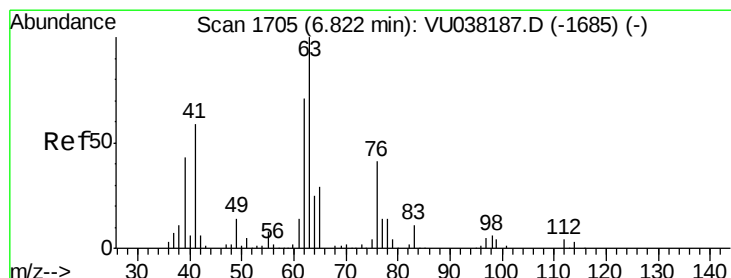
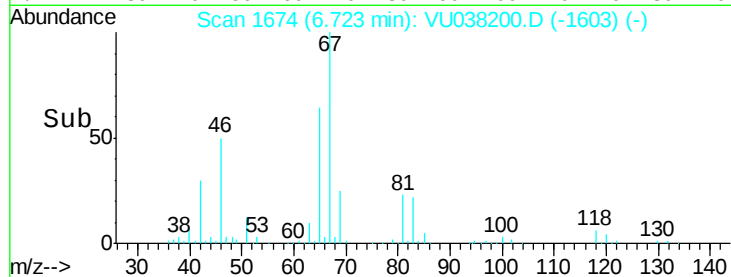
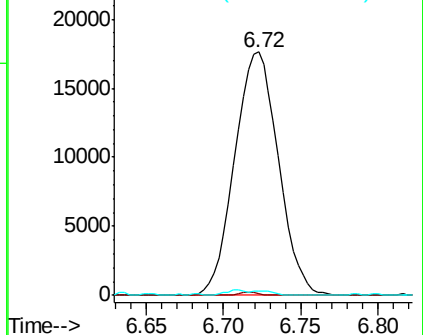
#35
Methvlcvclohexane
Concen: 0.825 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038200.D
Acq: 15 May 2020 16:03

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 34574
Ion Ratio Lower Upper
83 100
55 0.5 66.7 100.1#
98 0.0 39.4 59.2#

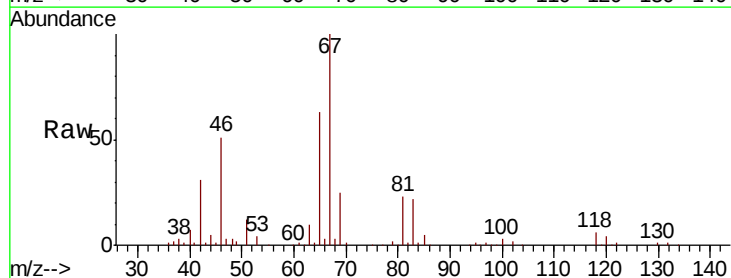


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

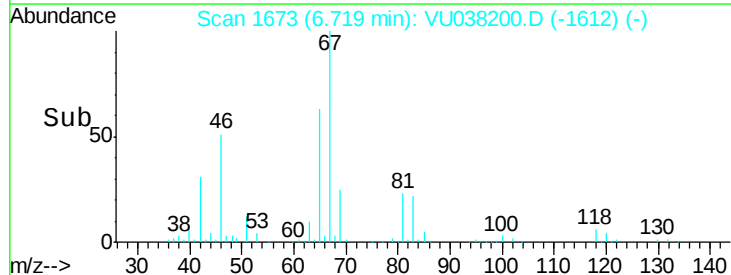
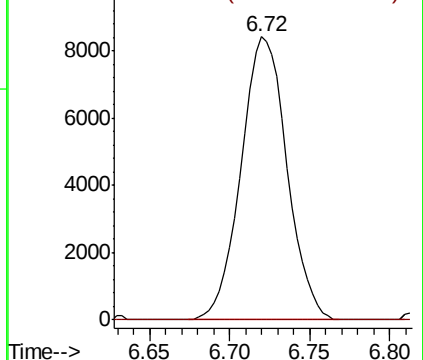


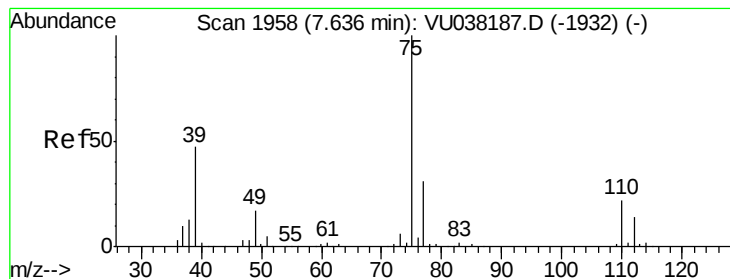
#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038200.D
Acq: 15 May 2020 16:03

Tgt Ion: 63 Resp: 16529
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



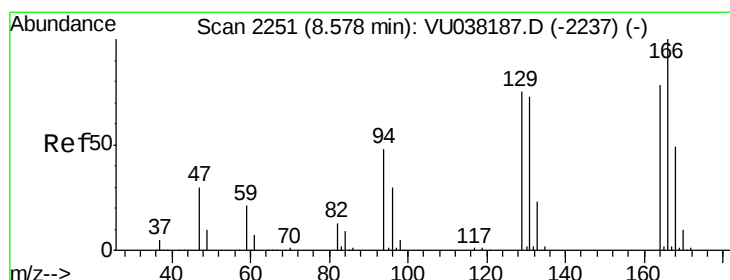
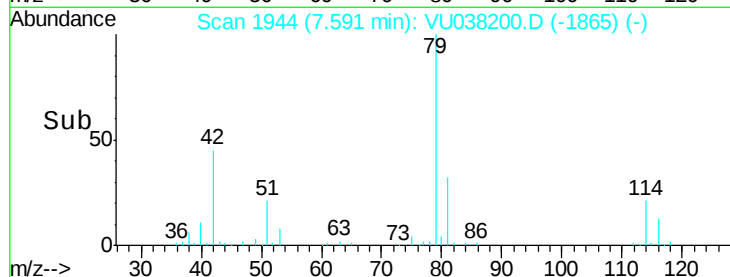
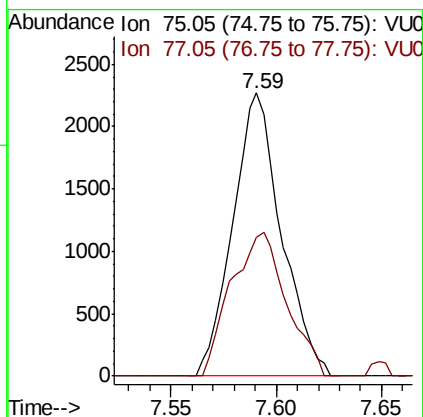
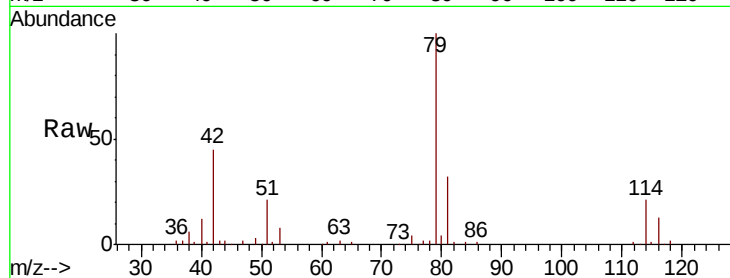


#39

cis-1,3-Dichloropropene
Concen: 0.090 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038200.D
Acq: 15 May 2020 16:03

Instrument :
MSVOA_U
ClientSampled :

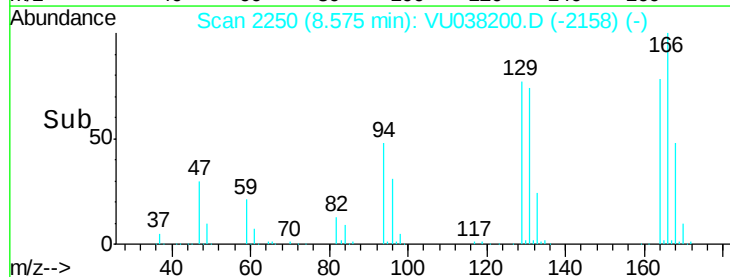
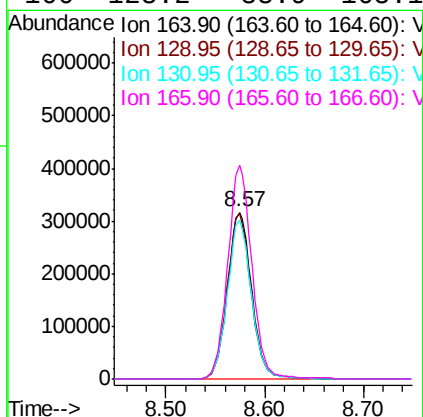
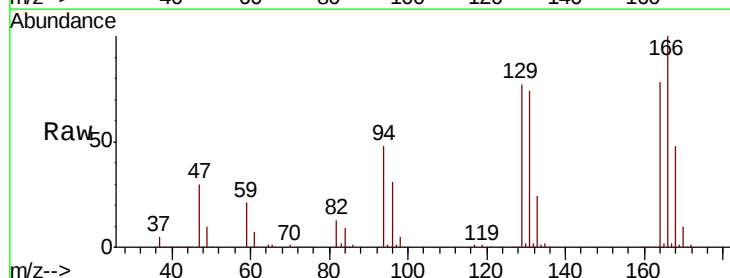
Tot Ion: 75 Resp: 3626
Ion Ratio Lower Upper
75 100
77 49.0 22.4 41.6#

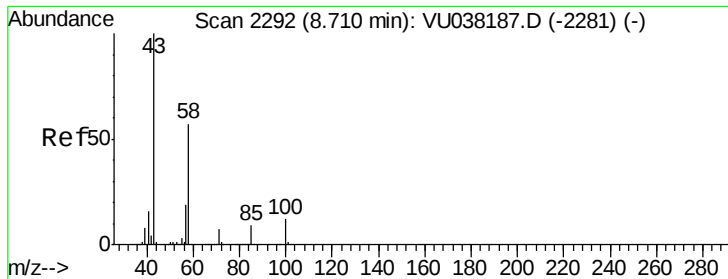


#47

Tetrachloroethene
Concen: 30.161 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.00 min
Lab File: VU038200.D
Acq: 15 May 2020 16:03

Tgt Ion: 164 Resp: 545642
Ion Ratio Lower Upper
164 100
129 98.9 68.8 127.8
131 95.0 66.8 124.2
166 128.2 88.9 165.1

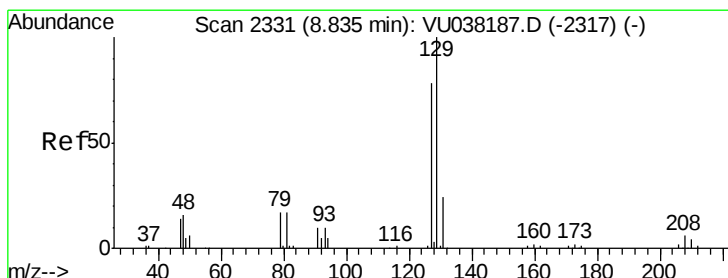
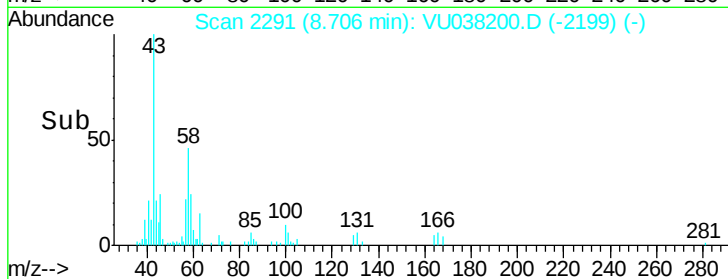
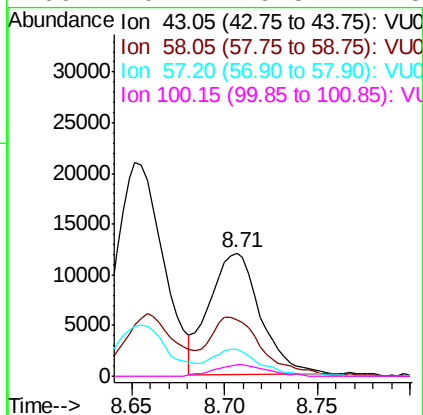
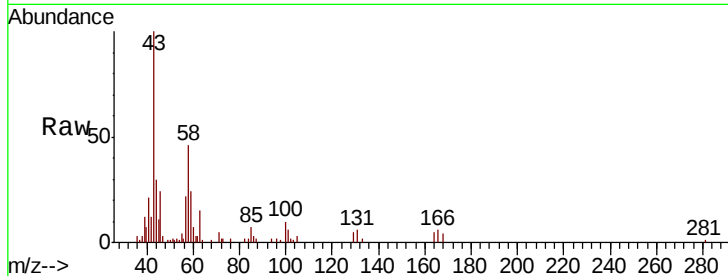




#48
 2-Hexanone
 Concen: 1.604 ug/L
 RT: 8.71 min Scan# 2291
 Delta R.T. -0.00 min
 Lab File: VU038200.D
 Acq: 15 May 2020 16:03

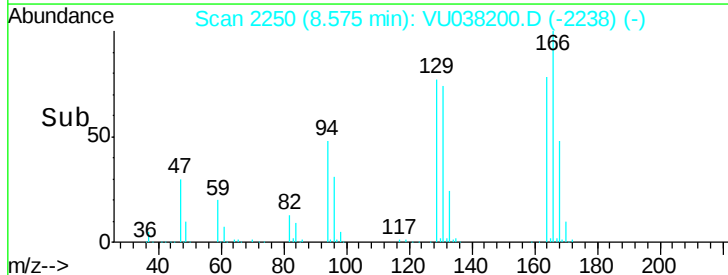
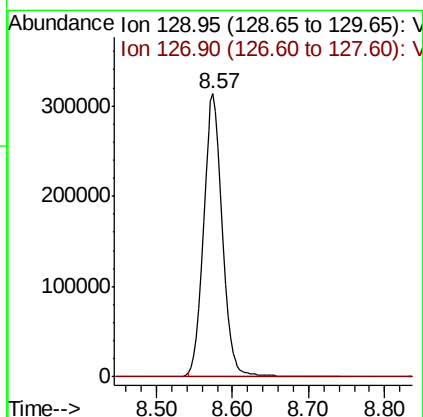
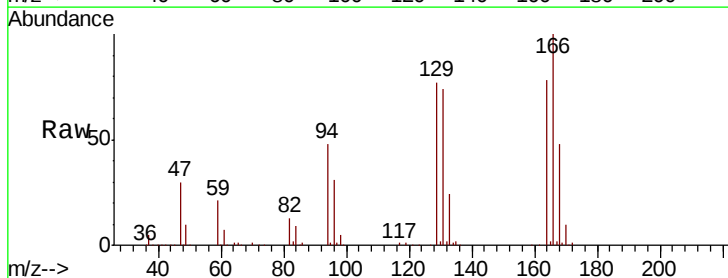
Instrument :
 MSVOA_U
 ClientSampled :

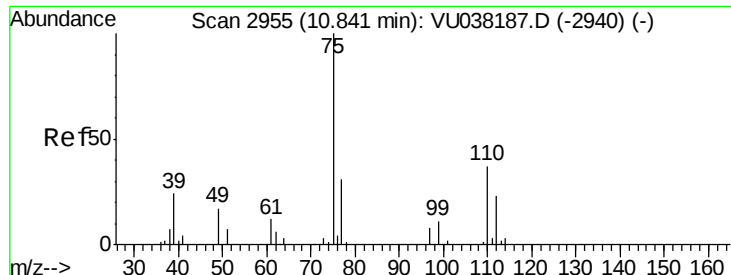
Tot Ion:	43	Resp:	22875
Ion	Ratio	Lower	Upper
43	100		
58	48.3	45.2	67.8
57	21.6	15.5	23.3
100	9.7	9.5	14.3



#49
 Dibromochloromethane
 Concen: 26.644 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.26 min
 Lab File: VU038200.D
 Acq: 15 May 2020 16:03

Tgt Ion:	129	Resp:	539352
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#59

1,2,3-Trichloropropane

Concen: 1.111 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038200.D

Acq: 15 May 2020 16:03

Instrument :

MSVOA_U

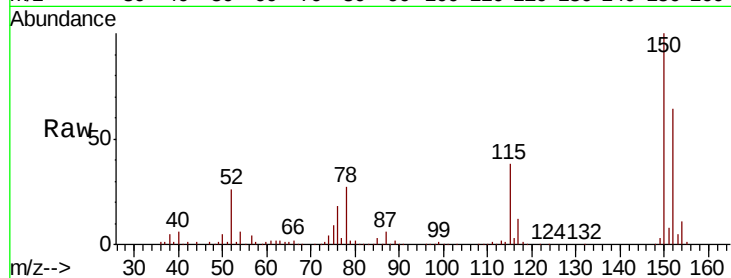
ClientSampleId :

Tot Ion: 75 Resp: 20946

Ion Ratio Lower Upper

75 100

77 37.7 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

