

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038879.D
 Acq On : 13 Jun 2020 03:36
 Operator : SY/MD
 Sample : L2985-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 04:00:29 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	254390	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	256737	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	117657	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	60248	4.35	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.00%
7) Chloroethane-d5	1.93	69	62963	5.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	113.00%
11) 1,1-Dichloroethene-d2	2.59	63	117993	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	4.68	46	308591	70.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.84%#
24) Chloroform-d	5.10	84	172375	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
26) 1,2-Dichloroethane-d4	5.74	65	104179	6.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	120.00%
32) Benzene-d6	5.76	84	320768	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.72	67	104216	5.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.20%
41) Toluene-d8	7.92	98	252693	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.20	79	35399	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.66	63	256440	72.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	144.82%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	94756	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	12.20	152	109811	5.74	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	19813	0.799 ug/L	99
9) Trichlorofluoromethane	2.16	101	116035	3.600 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	5832	0.316 ug/L	93
12) 1,1-Dichloroethene	2.60	96	16386	0.920 ug/L #	1
19) 1,1-Dichloroethane	3.91	63	6559	0.191 ug/L #	94
22) cis-1,2-Dichloroethene	4.71	96	91153	4.575 ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	4664	0.147 ug/L	93
31) Carbon tetrachloride	5.56	117	3707	0.139 ug/L	95
34) Trichloroethene	6.57	95	679378	33.535 ug/L	97
35) Methylcyclohexane	6.72	83	25631	0.814 ug/L #	17
39) cis-1,3-Dichloropropene	7.59	75	2522	0.087 ug/L #	46
47) Tetrachloroethene	8.57	164	459656	29.473 ug/L	99
48) 2-Hexanone	8.71	43	9865	0.982 ug/L #	92
49) Dibromochloromethane	8.57	129	437315	26.283 ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	13593	0.938 ug/L #	77

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Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 13 04:00:29 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

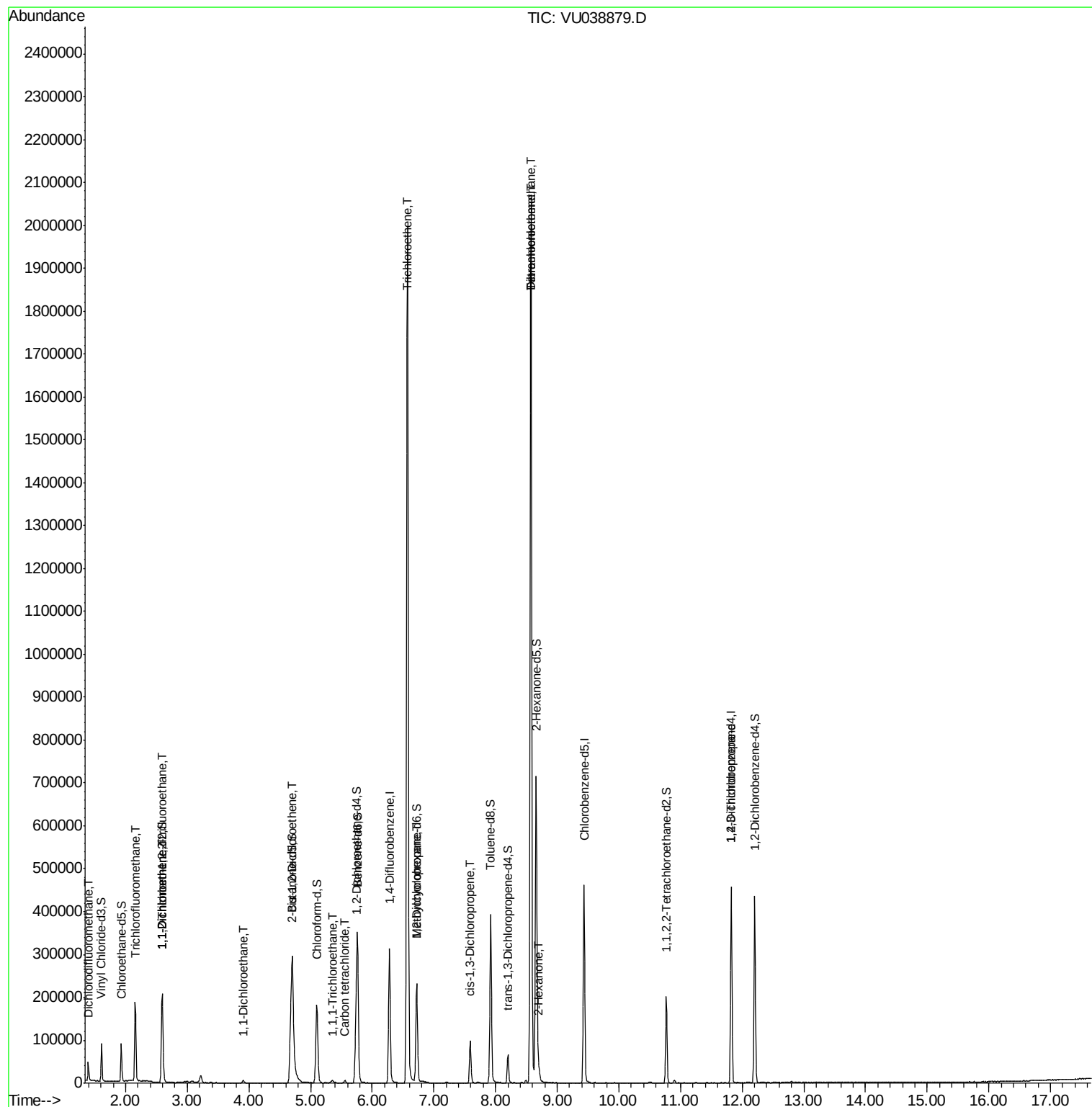
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

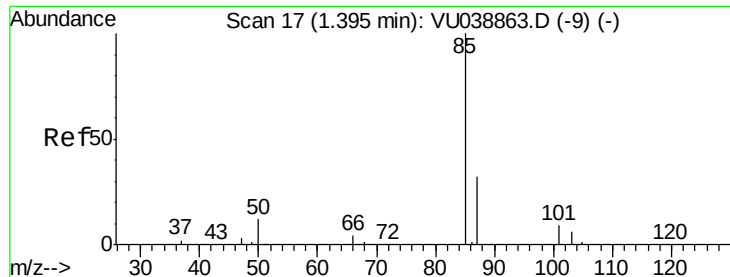
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU061320\
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QLast Update : Sat Jun 13 02:52:53 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.799 ug/L

RT: 1.39 min Scan# 17

Delta R.T. -0.00 min

Lab File: VU038879.D

Acq: 13 Jun 2020 03:36

Instrument :

MSVOA_U

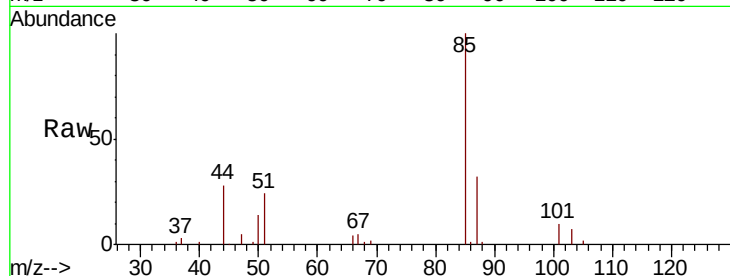
ClientSampleId :

Tot Ion: 85 Resp: 19813

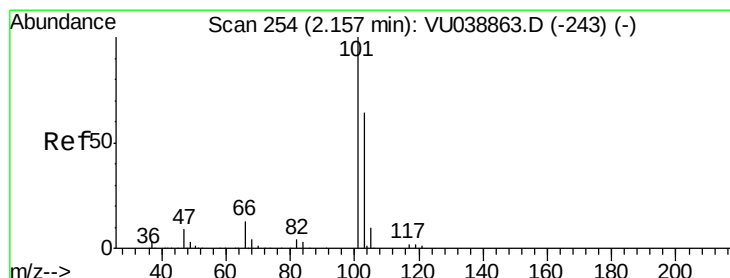
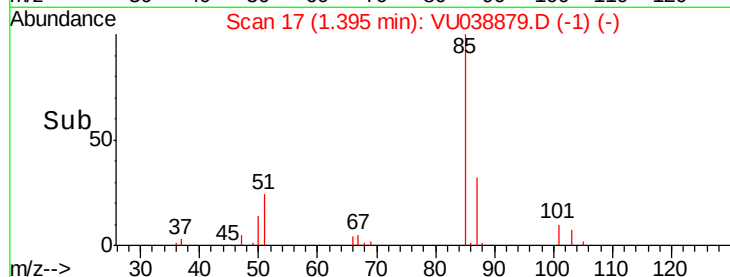
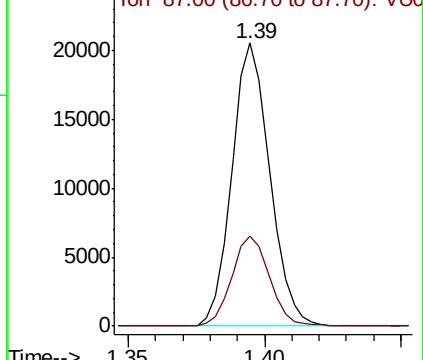
Ion Ratio Lower Upper

85 100

87 31.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU038863.D (-9) (-)



#9

Trichlorofluoromethane

Concen: 3.600 ug/L

RT: 2.16 min Scan# 254

Delta R.T. -0.00 min

Lab File: VU038879.D

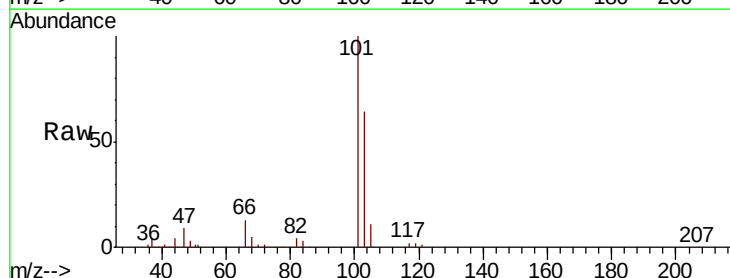
Acq: 13 Jun 2020 03:36

Tgt Ion: 101 Resp: 116035

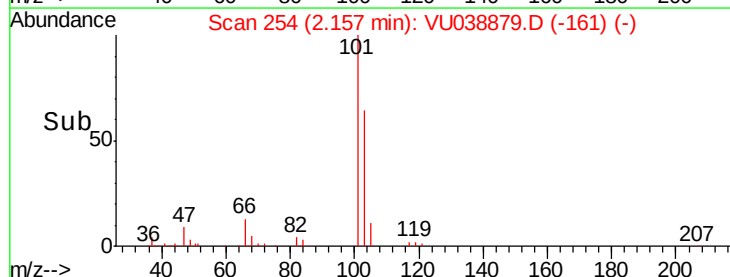
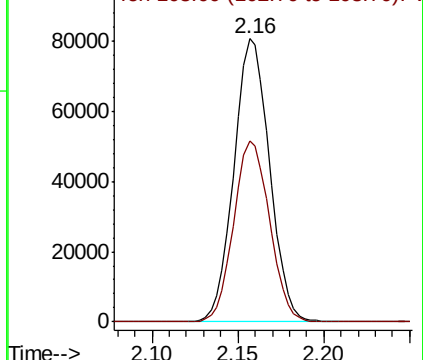
Ion Ratio Lower Upper

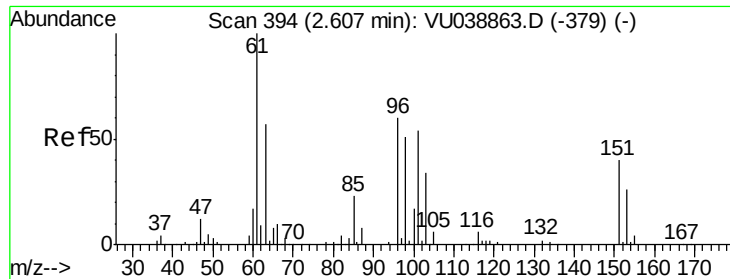
101 100

103 64.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VU038863.D (-243) (-)





#10

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

Concen: 0.316 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038879.D

Acq: 13 Jun 2020 03:36

Instrument :

MSVOA_U

ClientSampleId :

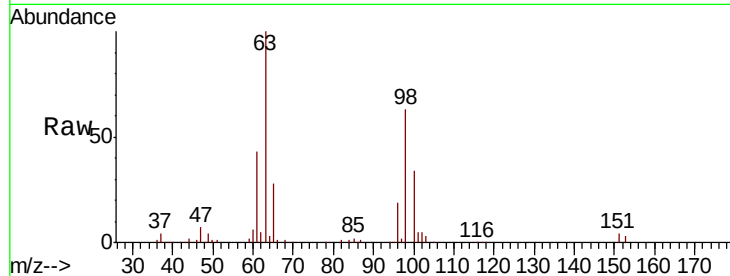
Tot Ion:101 Resp: 5832

Ion Ratio Lower Upper

101 100

85 37.9 34.5 51.7

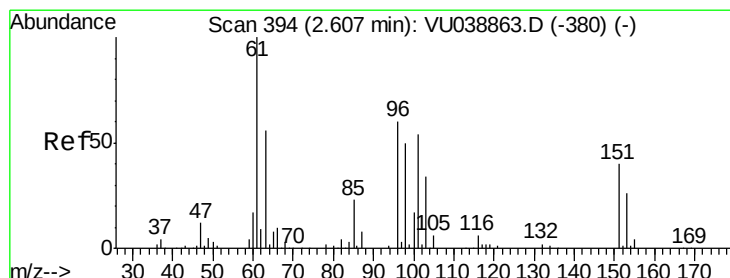
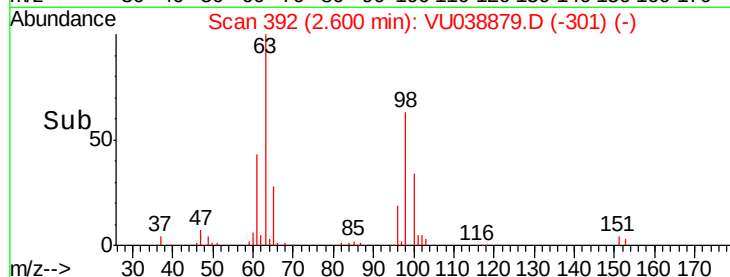
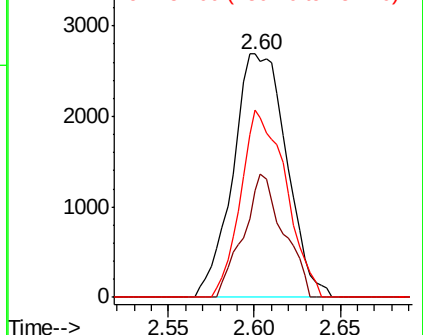
151 65.0 56.5 84.7



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: 0.920 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038879.D

Acq: 13 Jun 2020 03:36

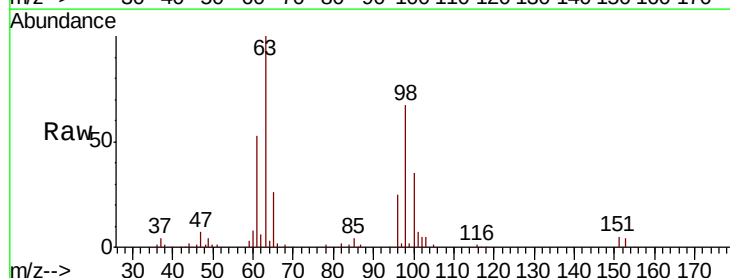
Tgt Ion: 96 Resp: 16386

Ion Ratio Lower Upper

96 100

61 213.8 120.2 223.2

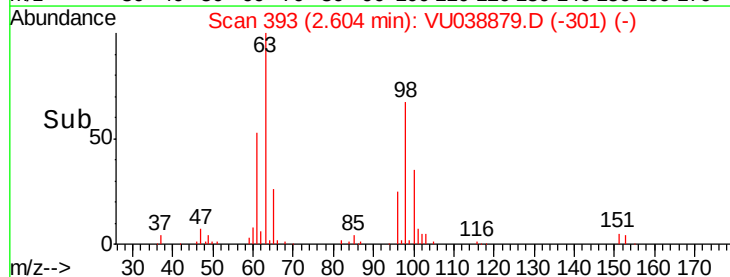
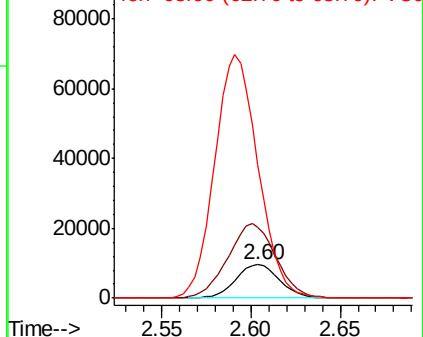
63 400.1 90.1 167.3#

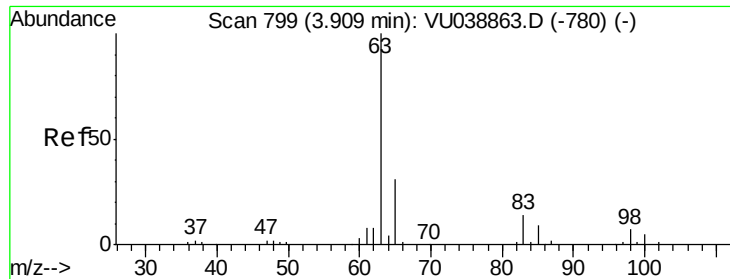


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

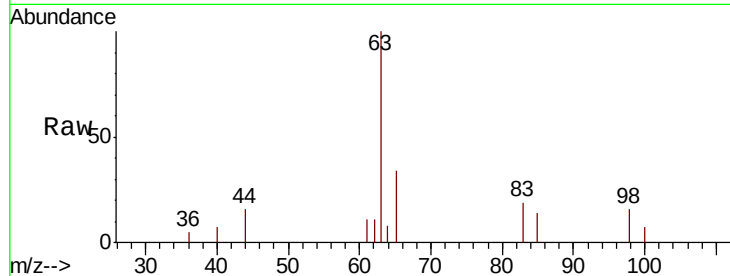




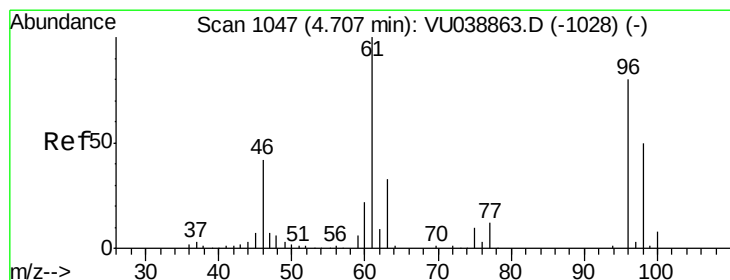
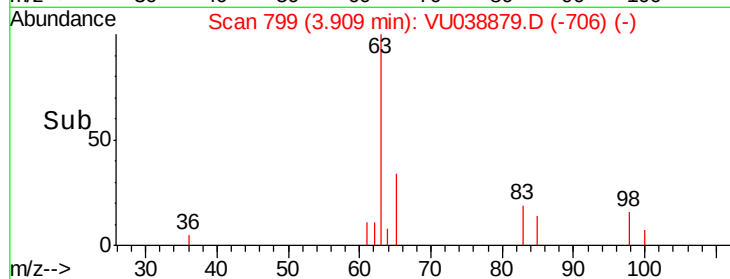
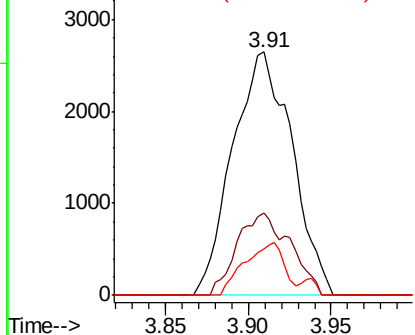
#19
 1,1-Dichloroethane
 Concen: 0.191 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038879.D
 Acq: 13 Jun 2020 03:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 6559
 Ion Ratio Lower Upper
 63 100
 65 33.8 22.3 41.5
 83 18.9 10.1 18.9#

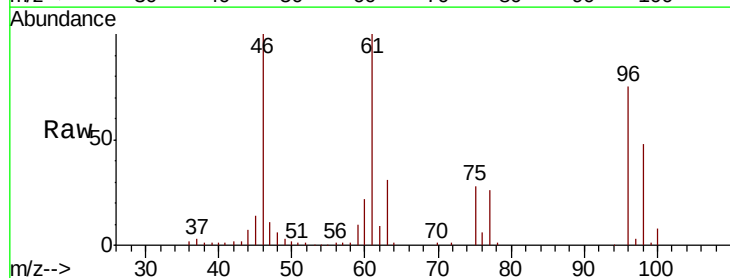


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

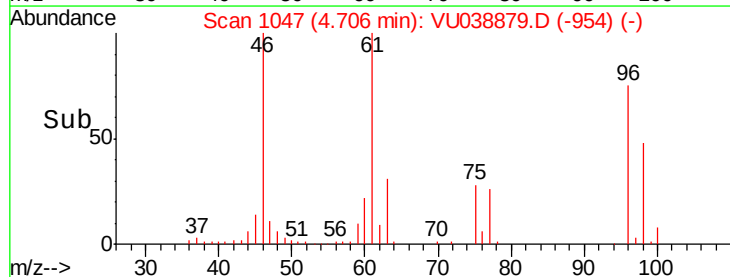
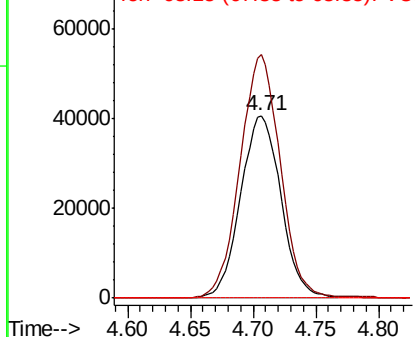


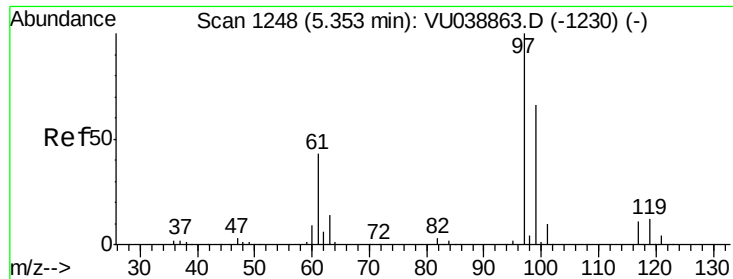
#22
 cis-1,2-Dichloroethene
 Concen: 4.575 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038879.D
 Acq: 13 Jun 2020 03:36

Tgt Ion: 96 Resp: 91153
 Ion Ratio Lower Upper
 96 100
 61 133.2 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

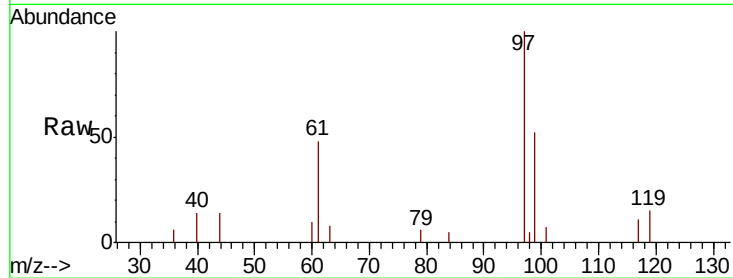




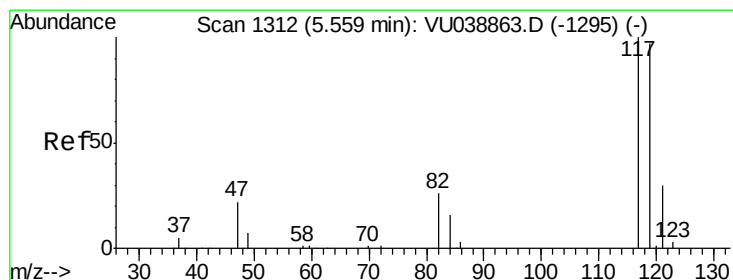
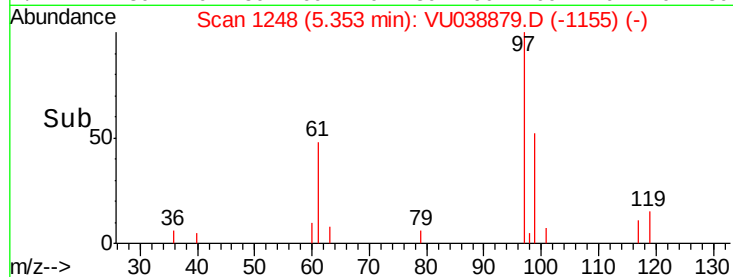
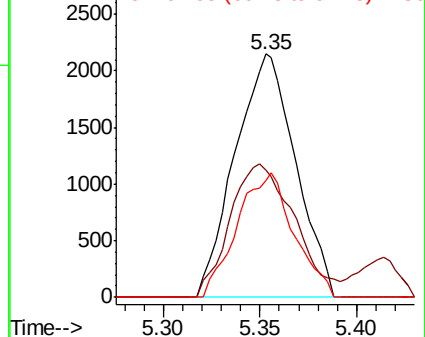
#29
 1,1,1-Trichloroethane
 Concen: 0.147 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038879.D
 Acq: 13 Jun 2020 03:36

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 97 Resp: 4664
 Ion Ratio Lower Upper
 97 100
 99 59.0 52.1 78.1
 61 48.2 35.9 53.9

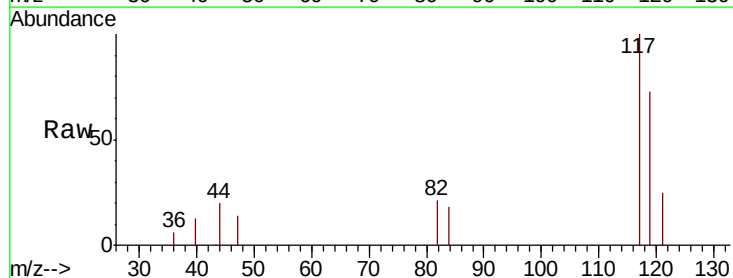


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

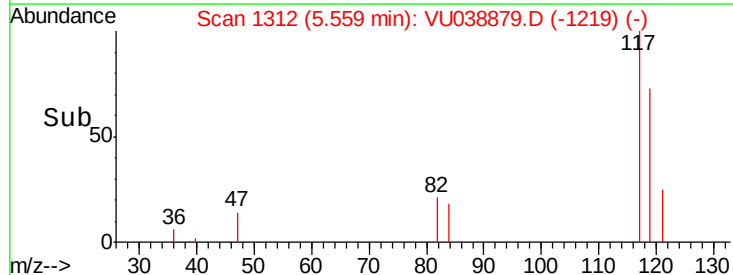
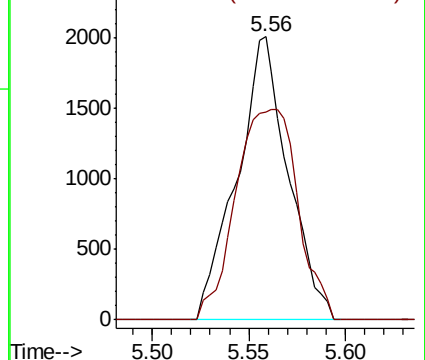


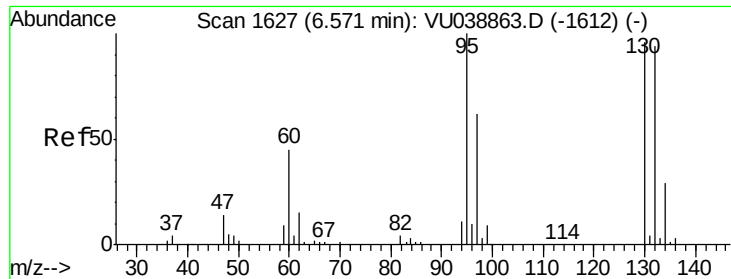
#31
 Carbon tetrachloride
 Concen: 0.139 ug/L
 RT: 5.56 min Scan# 1312
 Delta R.T. -0.00 min
 Lab File: VU038879.D
 Acq: 13 Jun 2020 03:36

Tgt Ion: 117 Resp: 3707
 Ion Ratio Lower Upper
 117 100
 119 89.9 76.2 114.2



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

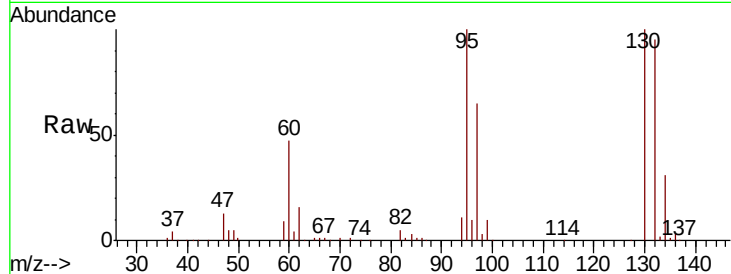




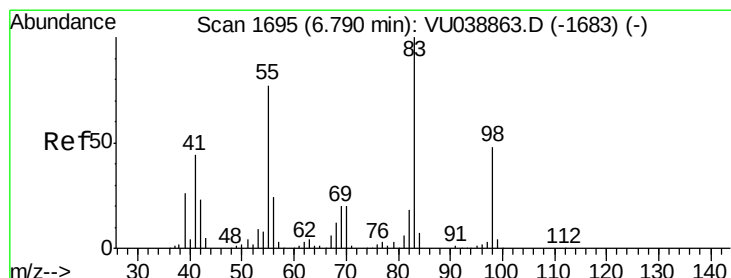
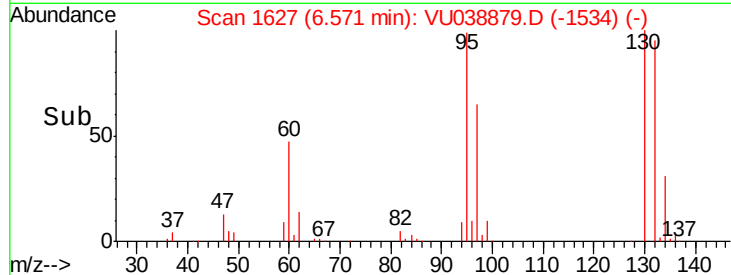
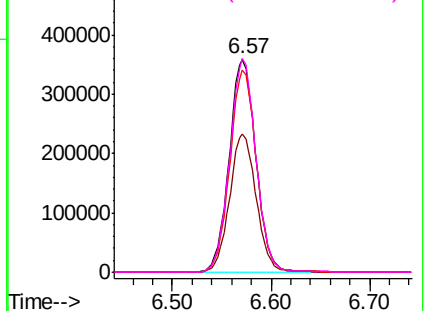
#34
 Trichloroethene
 Concen: 33.535 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038879.D
 Acq: 13 Jun 2020 03:36

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 95 Resp: 679378
 Ion Ratio Lower Upper
 95 100
 97 65.3 46.1 85.5
 132 95.3 67.5 125.3
 130 100.4 66.7 123.9

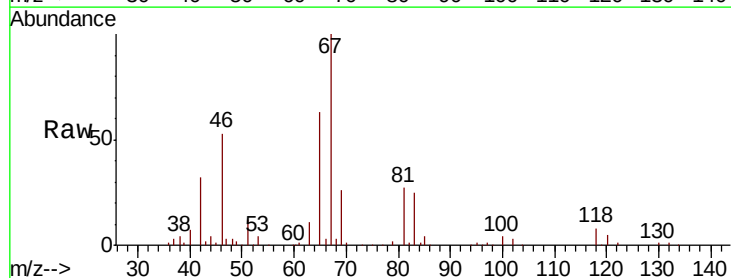


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

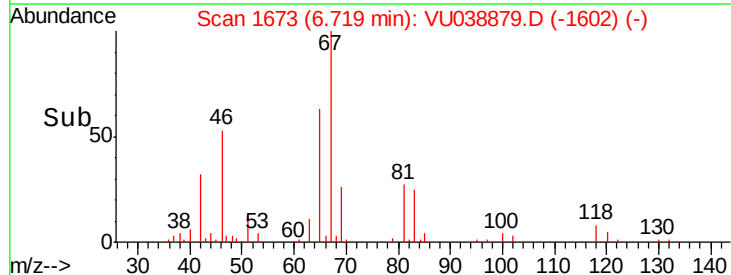
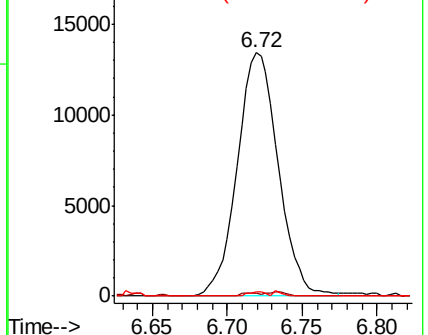


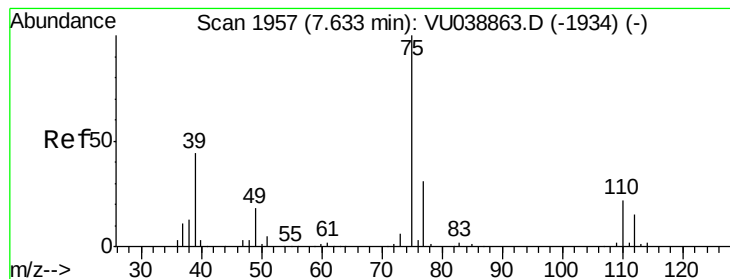
#35
 Methylcyclohexane
 Concen: 0.814 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU038879.D
 Acq: 13 Jun 2020 03:36

Tgt Ion: 83 Resp: 25631
 Ion Ratio Lower Upper
 83 100
 55 0.6 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



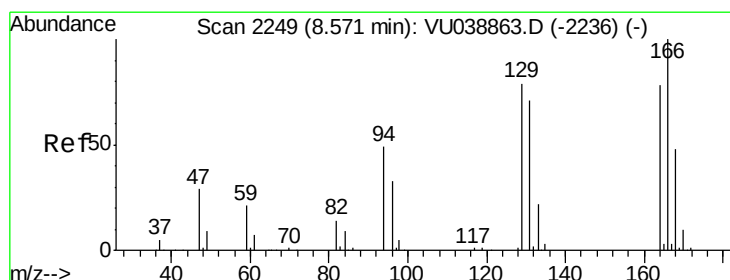
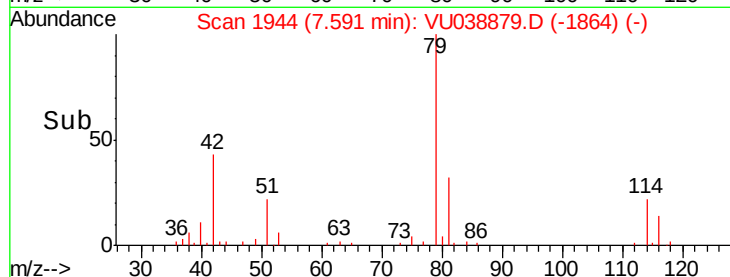
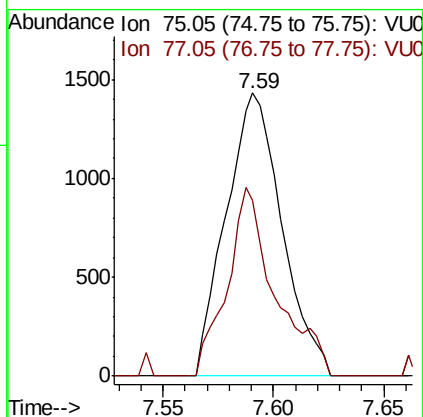
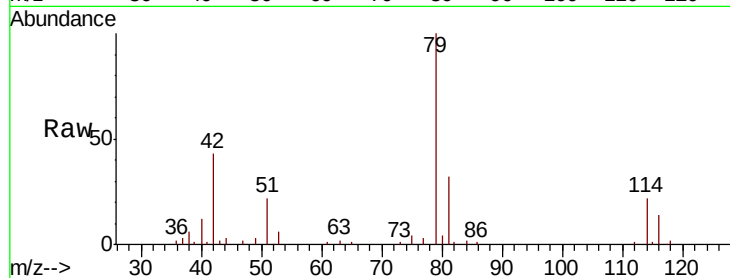


#39

cis-1,3-Dichloropropene
 Concen: 0.087 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038879.D
 Acq: 13 Jun 2020 03:36

Instrument :
 MSVOA_U
 ClientSampleId :

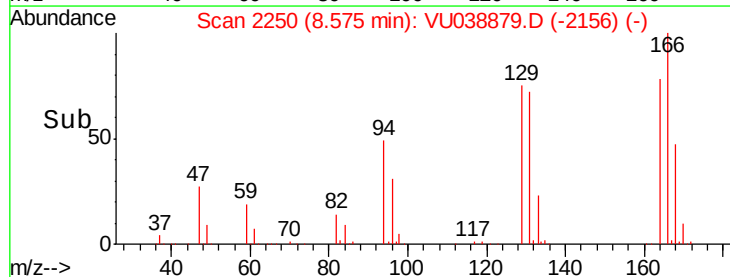
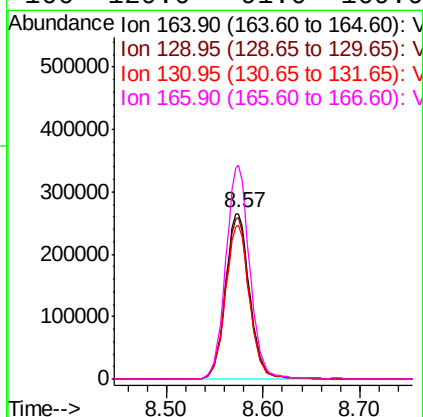
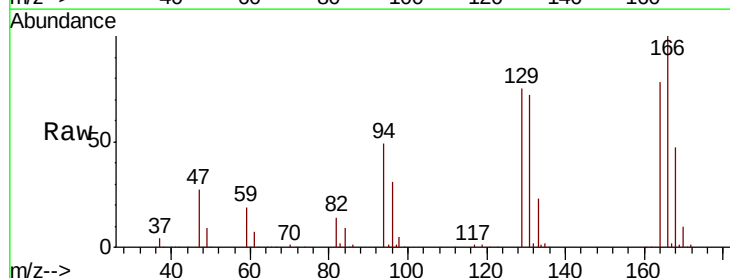
Tot Ion: 75 Resp: 2522
 Ion Ratio Lower Upper
 75 100
 77 61.9 22.4 41.6#

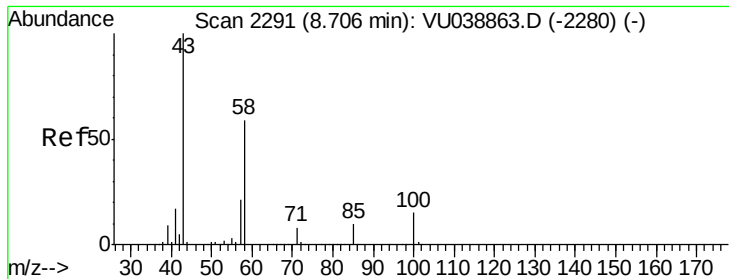


#47

Tetrachloroethene
 Concen: 29.473 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038879.D
 Acq: 13 Jun 2020 03:36

Tgt Ion:164 Resp: 459656
 Ion Ratio Lower Upper
 164 100
 129 97.2 67.3 124.9
 131 92.7 65.0 120.6
 166 129.0 91.0 169.0

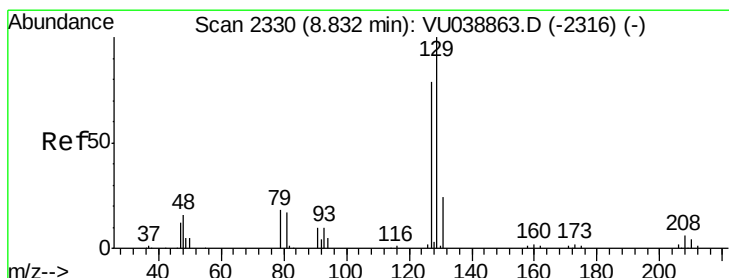
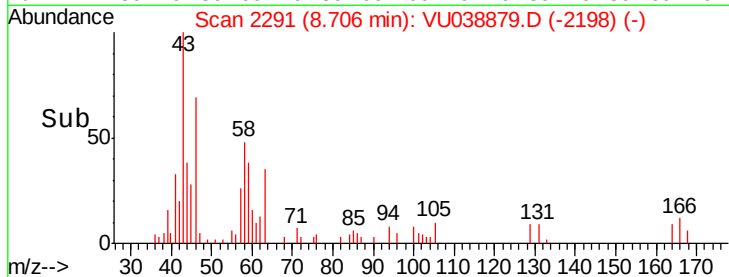
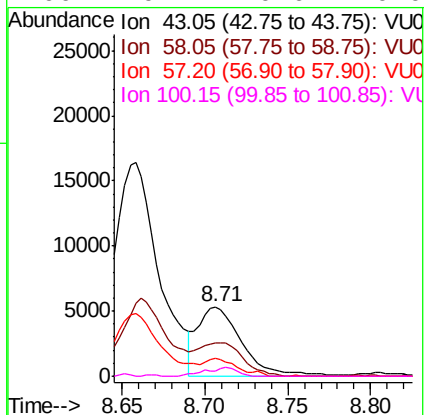
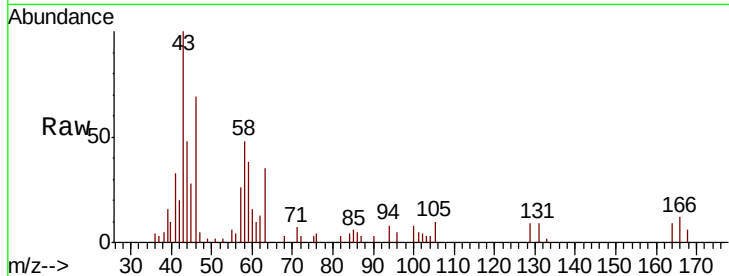




#48
2-Hexanone
Concen: 0.982 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU038879.D
Acq: 13 Jun 2020 03:36

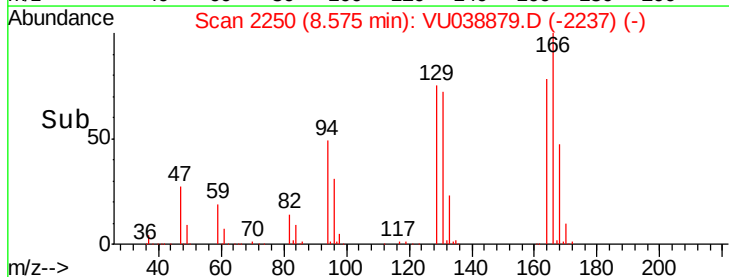
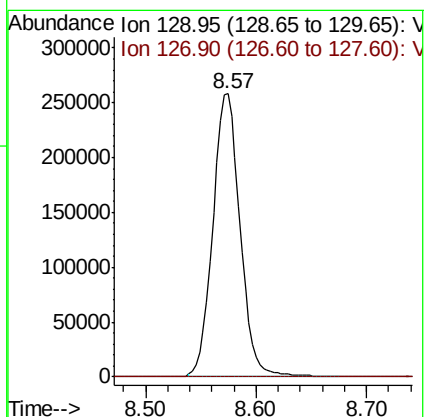
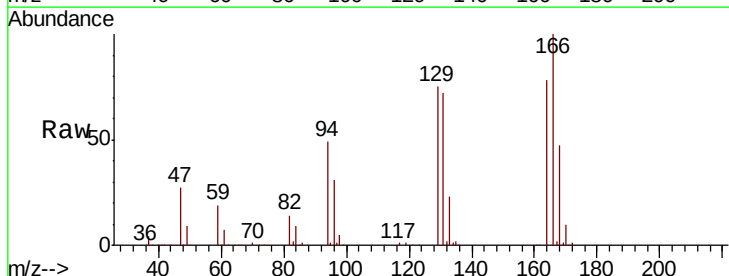
Instrument :
MSVOA_U
ClientSampled :

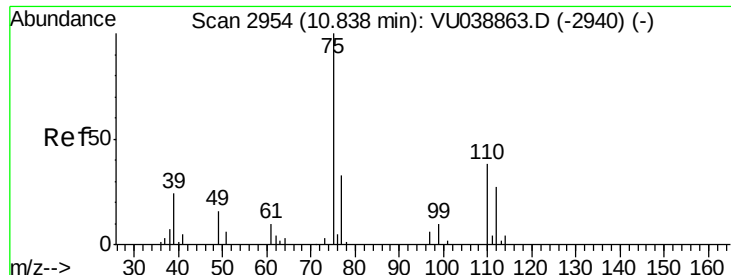
Tot Ion: 43 Resp: 9865
Ion Ratio Lower Upper
43 100
58 50.0 44.8 67.2
57 18.4 16.2 24.2
100 9.2 10.6 16.0#



#49
Dibromochloromethane
Concen: 26.283 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. -0.26 min
Lab File: VU038879.D
Acq: 13 Jun 2020 03:36

Tgt Ion: 129 Resp: 437315
Ion Ratio Lower Upper
129 100
127 0.0 55.5 103.1#





#59

1,2,3-Trichloropropane

Concen: 0.938 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038879.D

Acq: 13 Jun 2020 03:36

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 13593

Ion Ratio Lower Upper

75 100

77 45.0 25.8 38.8#

