

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038874.D
 Acq On : 13 Jun 2020 01:41
 Operator : SY/MD
 Sample : L2985-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT69

Quant Time: Jun 13 03:50:26 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	261263	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	264799	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	121198	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	61557	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.93	69	60585	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.00%
11) 1,1-Dichloroethene-d2	2.59	63	115423	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	4.68	46	310342	69.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	138.88%#
24) Chloroform-d	5.10	84	173057	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.80%
26) 1,2-Dichloroethane-d4	5.74	65	104193	5.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	117.00%
32) Benzene-d6	5.76	84	320364	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.72	67	104779	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.92	98	258903	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	8.20	79	36465	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.65	63	265497	72.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	145.38%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	96600	5.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	111748	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

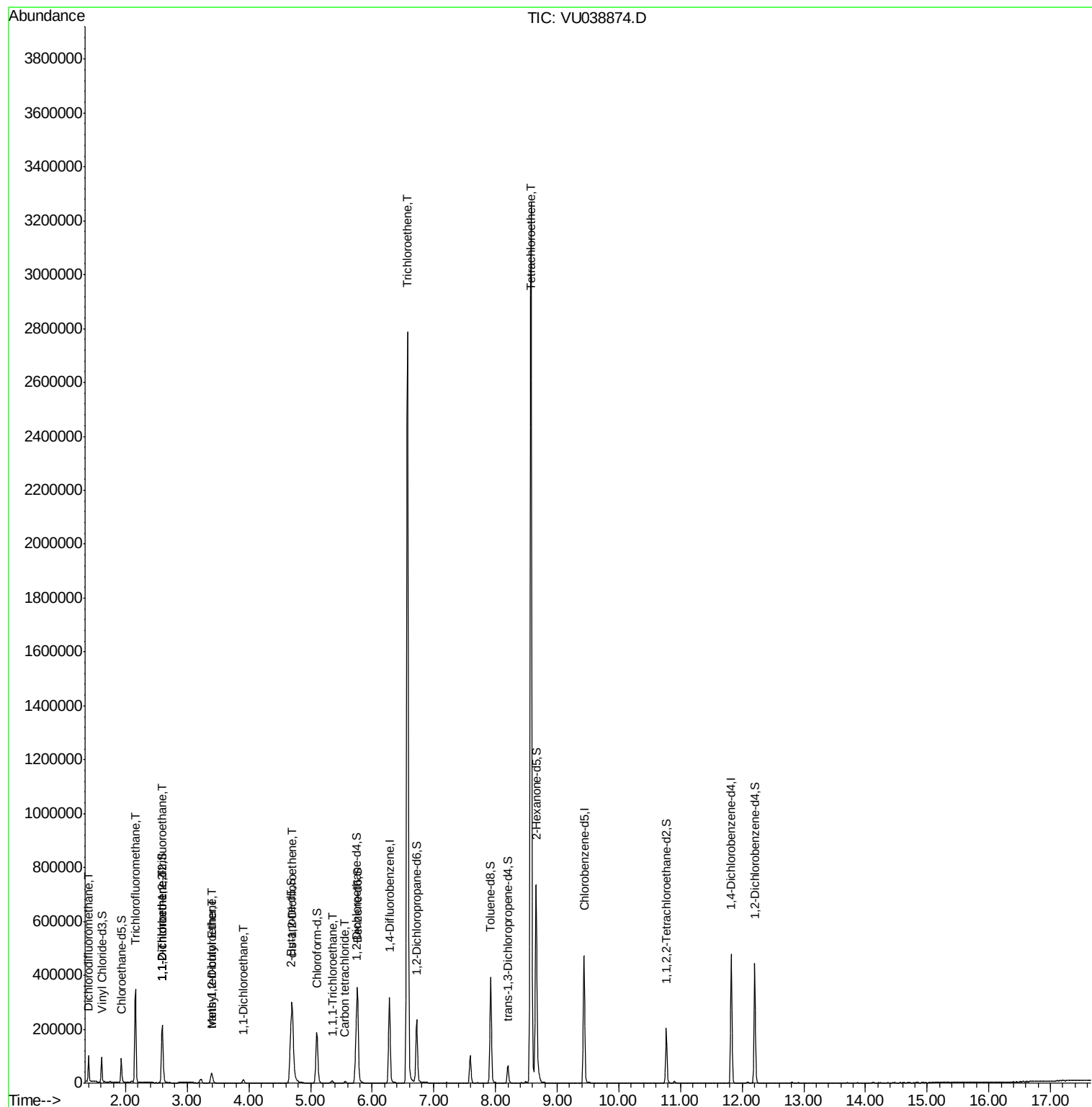
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	29354	1.153	ug/L	95
9) Trichlorofluoromethane	2.16	101	221466	6.690	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	7687	0.406	ug/L #	84
12) 1,1-Dichloroethene	2.60	96	19511	1.066	ug/L #	8
17) Methyl tert-butyl Ether	3.40	73	30359	0.644	ug/L	97
18) trans-1,2-Dichloroethene	3.39	96	5155	0.262	ug/L	95
19) 1,1-Dichloroethane	3.91	63	13326	0.377	ug/L	91
22) cis-1,2-Dichloroethene	4.71	96	93729	4.581	ug/L	99
29) 1,1,1-Trichloroethane	5.35	97	5558	0.170	ug/L	93
31) Carbon tetrachloride	5.56	117	3824	0.139	ug/L	97
34) Trichloroethene	6.57	95	942397	45.102	ug/L	98
47) Tetrachloroethene	8.57	164	735956	45.752	ug/L	99

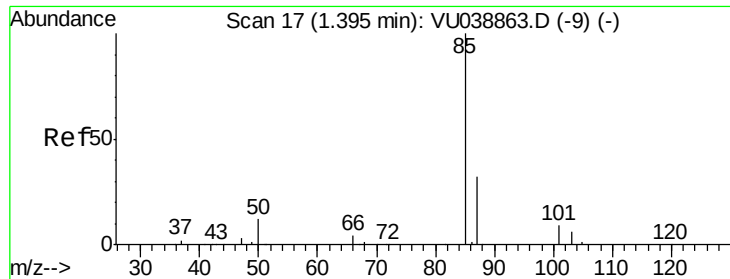
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 13 02:52:53 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.153 ug/L

RT: 1.39 min Scan# 17

Delta R.T. 0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

Instrument :

MSVOA_U

ClientSampleId :

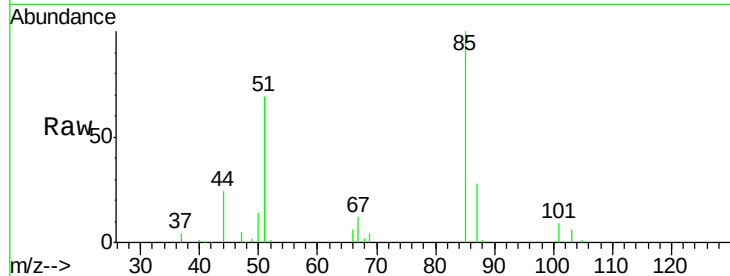
BFT69

Tot Ion: 85 Resp: 29354

Ion Ratio Lower Upper

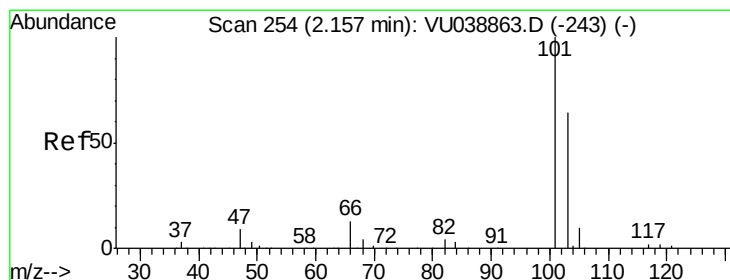
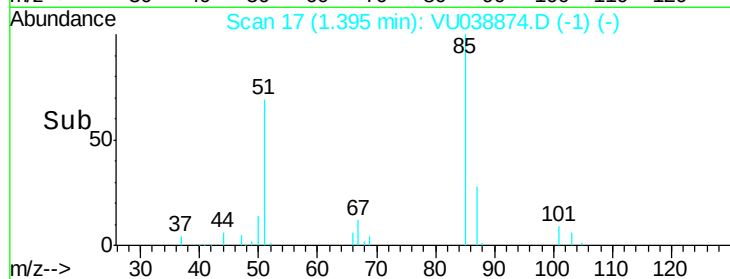
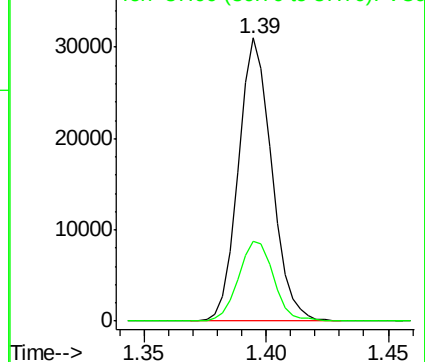
85 100

87 29.5 25.9 38.9



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

Ion 87.00 (86.70 to 87.70): VU038874.D (-161) (-)



#9

Trichlorofluoromethane

Concen: 6.690 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU038874.D

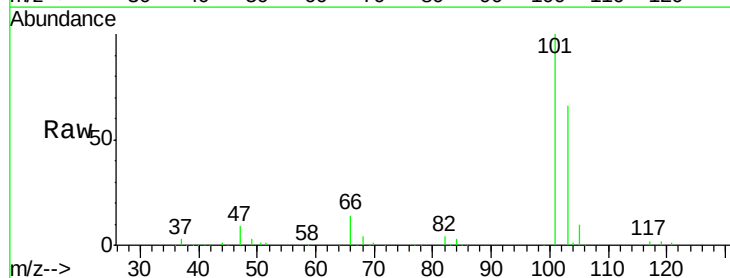
Acq: 13 Jun 2020 01:41

Tgt Ion: 101 Resp: 221466

Ion Ratio Lower Upper

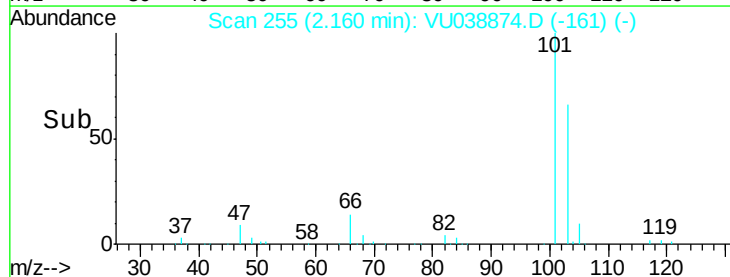
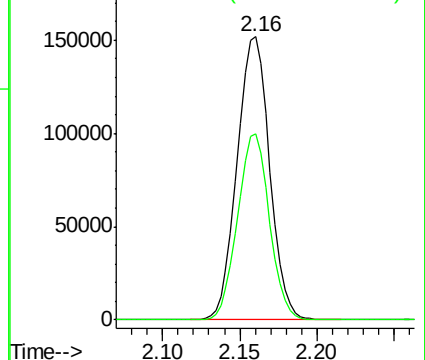
101 100

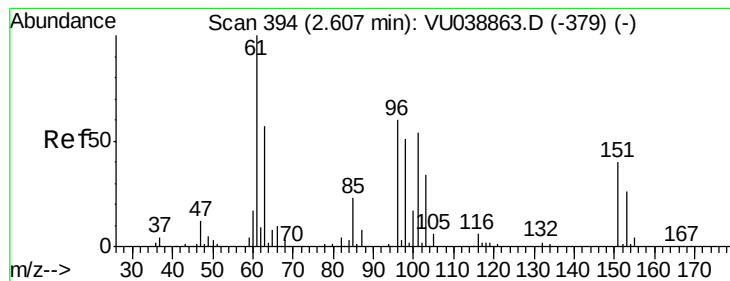
103 64.5 51.5 77.3



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

Ion 103.00 (102.70 to 103.70): VU038874.D (-161) (-)





#10

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

Concen: 0.406 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

Instrument :

MSVOA_U

ClientSampleId :

BFT69

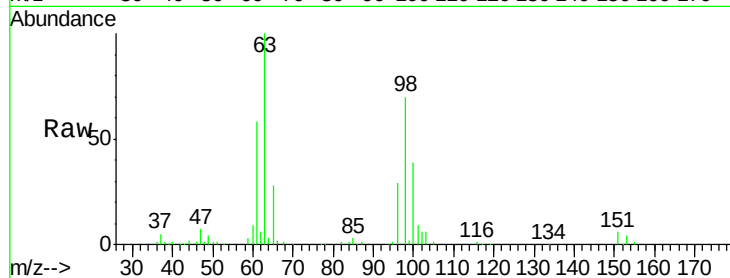
Tot Ion:101 Resp: 7687

Ion Ratio Lower Upper

101 100

85 30.8 34.5 51.7#

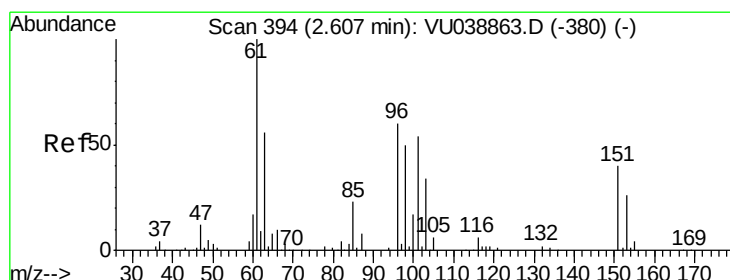
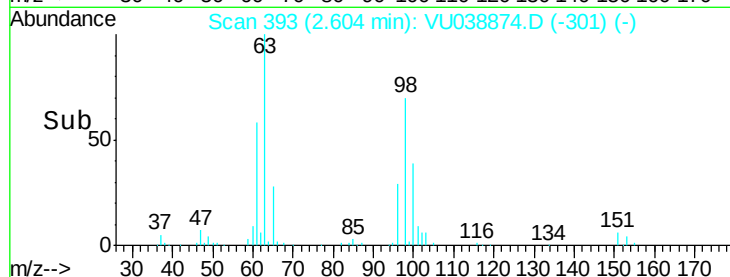
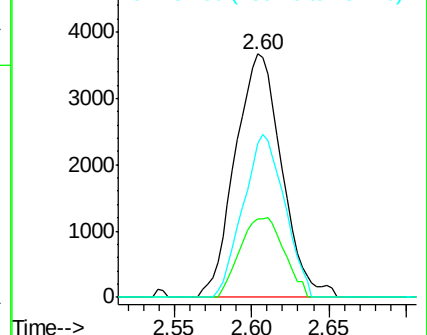
151 59.7 56.5 84.7



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: 1.066 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

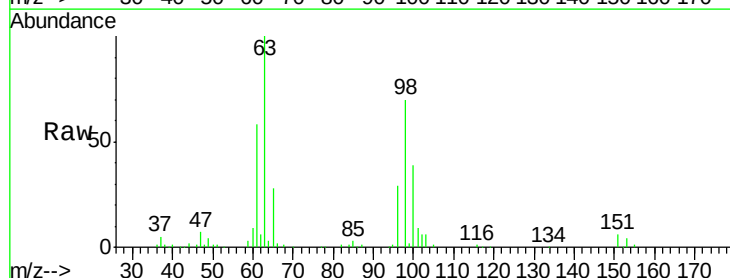
Tgt Ion: 96 Resp: 19511

Ion Ratio Lower Upper

96 100

61 201.0 120.2 223.2

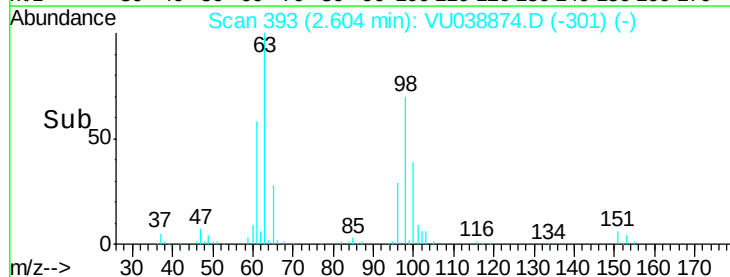
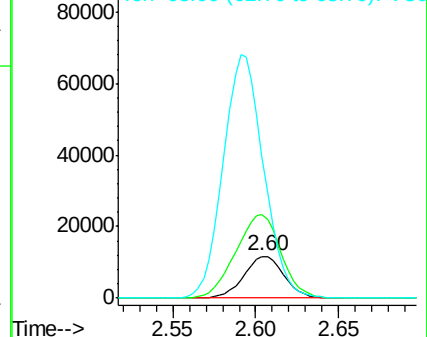
63 343.8 90.1 167.3#

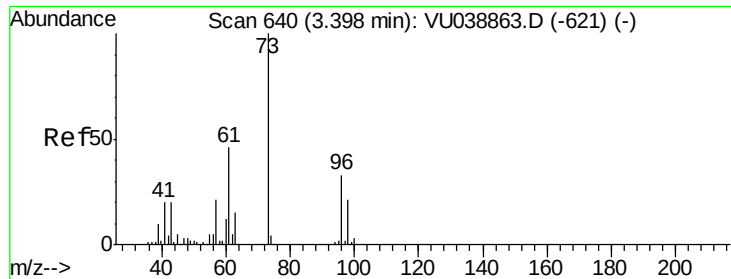


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

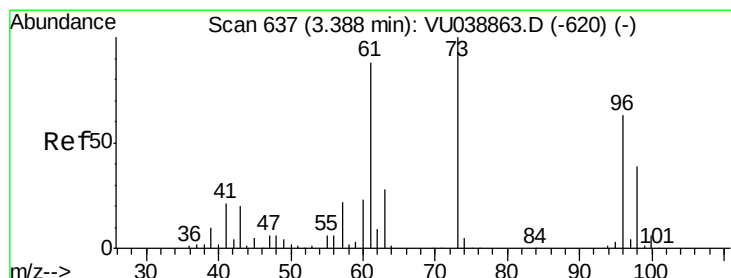
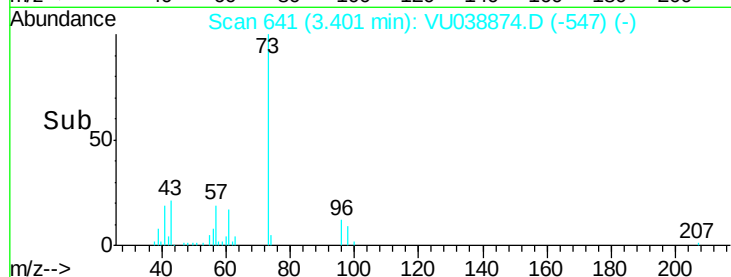
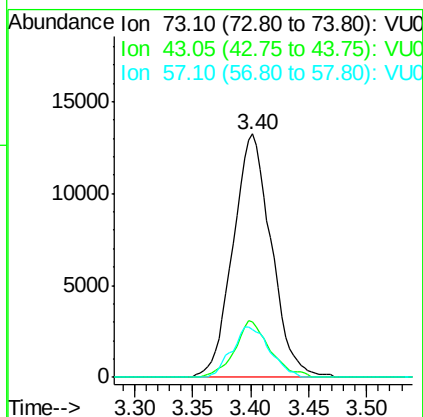
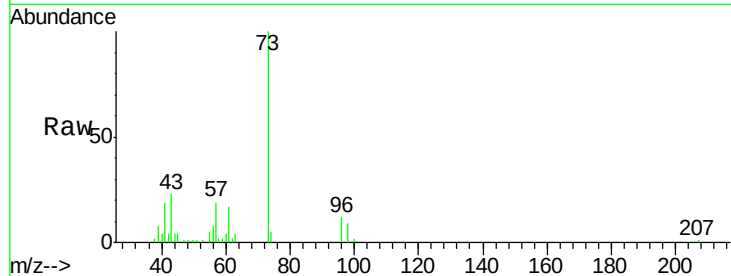




#17
Methvl tert-butyl Ether
Concen: 0.644 ug/L
RT: 3.40 min Scan# 641
Delta R.T. 0.00 min
Lab File: VU038874.D
Acq: 13 Jun 2020 01:41

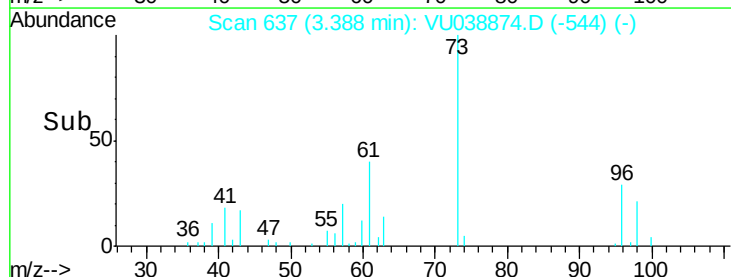
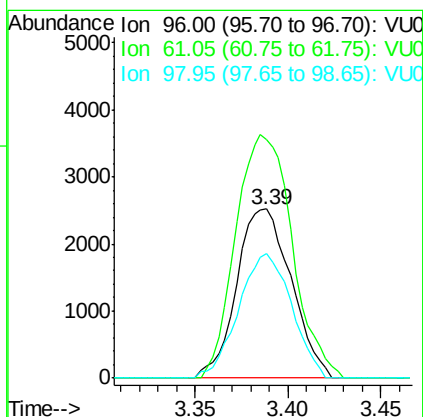
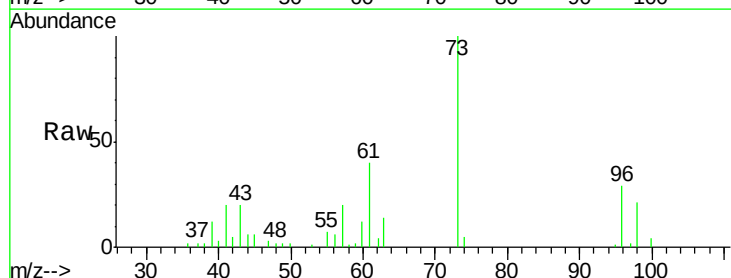
Instrument :
MSVOA_U
ClientSampled :
BFT69

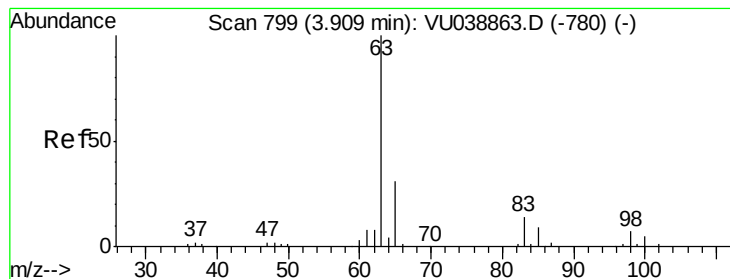
Tot Ion: 73 Resp: 30359
Ion Ratio Lower Upper
73 100
43 21.5 15.9 23.9
57 20.3 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 0.262 ug/L
RT: 3.39 min Scan# 637
Delta R.T. -0.00 min
Lab File: VU038874.D
Acq: 13 Jun 2020 01:41

Tgt Ion: 96 Resp: 5155
Ion Ratio Lower Upper
96 100
61 141.5 99.3 184.5
98 73.8 43.9 81.5





#19

1,1-Dichloroethane

Concen: 0.377 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

Instrument :

MSVOA_U

ClientSampleId :

BFT69

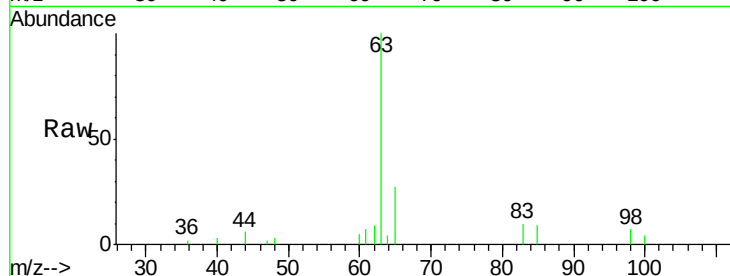
Tot Ion: 63 Resp: 13326

Ion Ratio Lower Upper

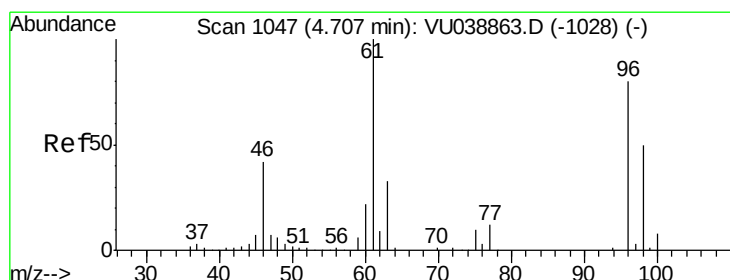
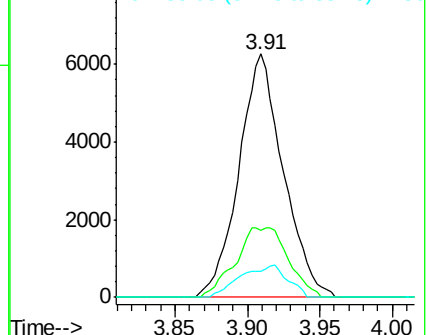
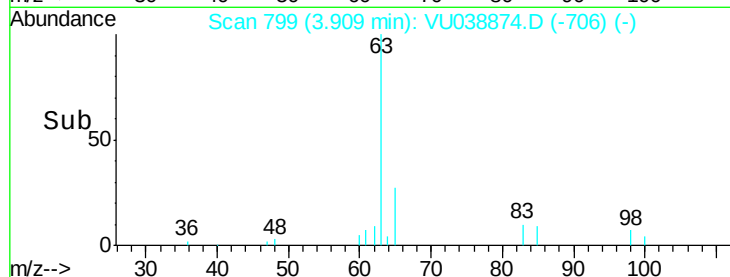
63 100

65 27.4 22.3 41.5

83 10.4 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU038874.D (-706) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.581 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

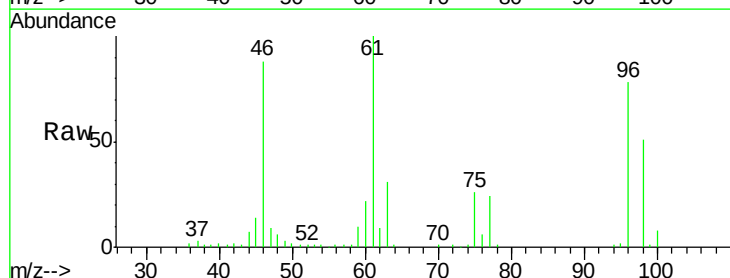
Tgt Ion: 96 Resp: 93729

Ion Ratio Lower Upper

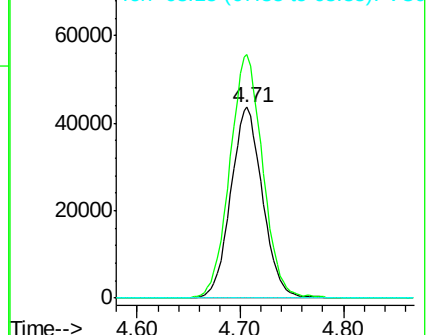
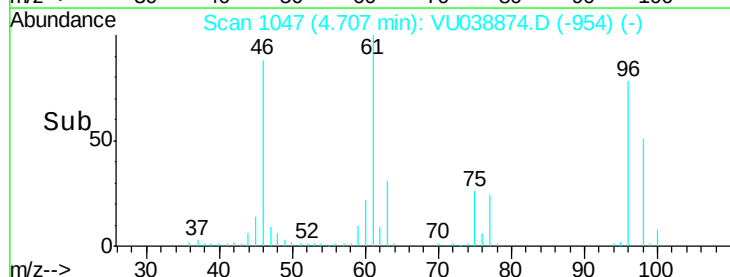
96 100

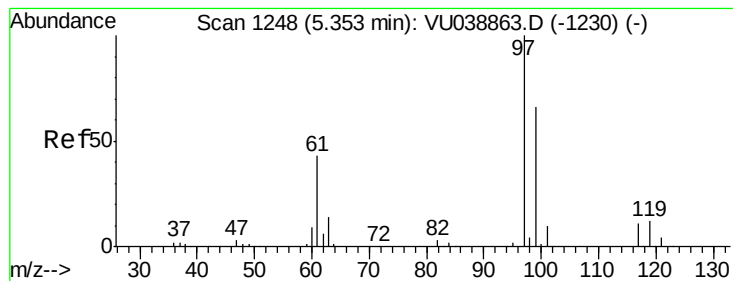
61 127.5 89.7 166.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038874.D (-954) (-)





#29

1,1,1-Trichloroethane

Concen: 0.170 ug/L

RT: 5.35 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VU038874.D

Acq: 13 Jun 2020 01:41

Instrument :

MSVOA_U

ClientSampled :

BFT69

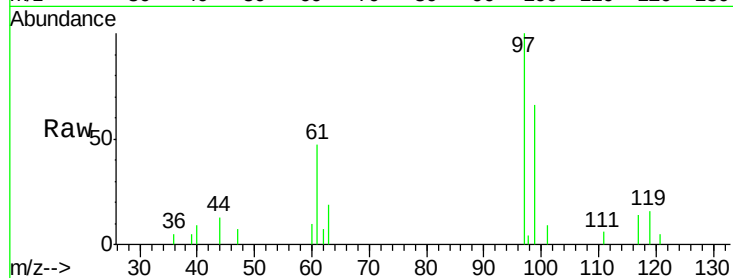
Tot Ion: 97 Resp: 5558

Ion Ratio Lower Upper

97 100

99 70.9 52.1 78.1

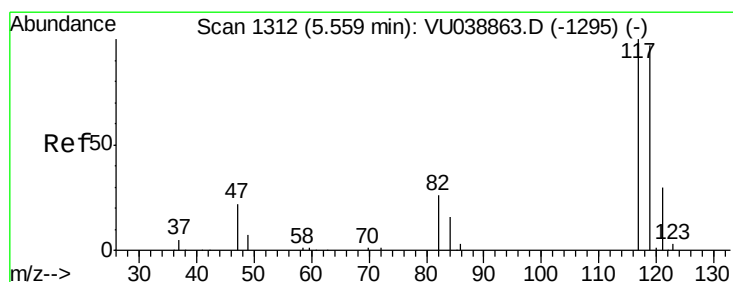
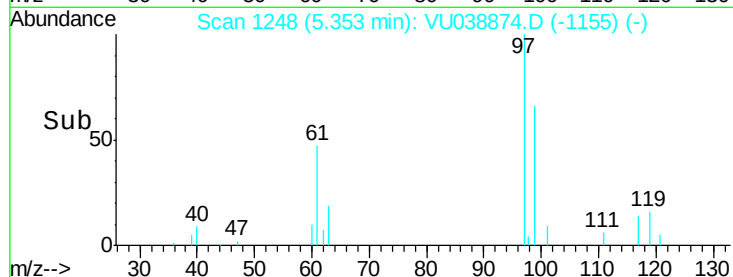
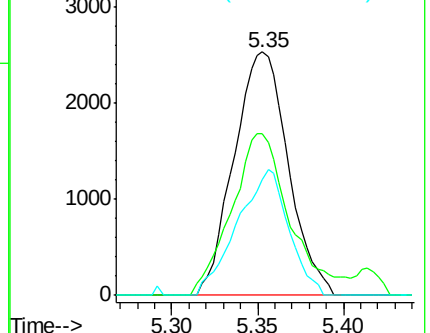
61 48.9 35.9 53.9



Abundance Ion 96.95 (96.65 to 97.65): VU038874.D (-1155) (-)

Ion 99.05 (98.75 to 99.75): VU038874.D (-1155) (-)

Ion 61.05 (60.75 to 61.75): VU038874.D (-1155) (-)



#31

Carbon tetrachloride

Concen: 0.139 ug/L

RT: 5.56 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU038874.D

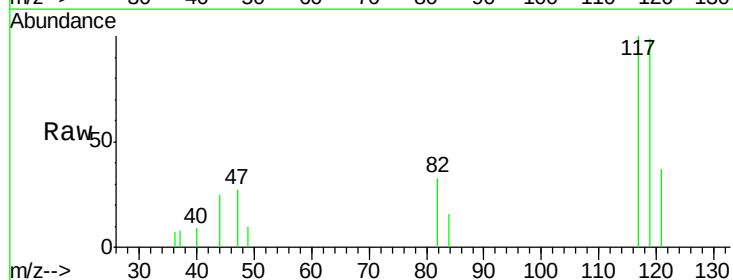
Acq: 13 Jun 2020 01:41

Tgt Ion: 117 Resp: 3824

Ion Ratio Lower Upper

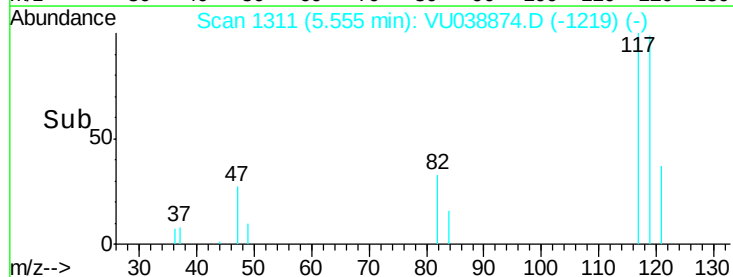
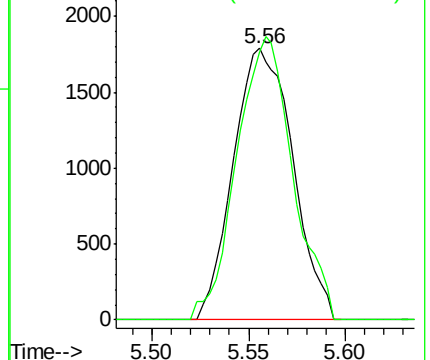
117 100

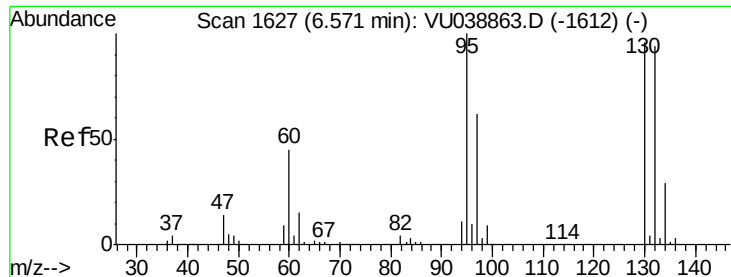
119 98.3 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): VU038874.D (-1219) (-)

Ion 118.90 (118.60 to 119.60): VU038874.D (-1219) (-)

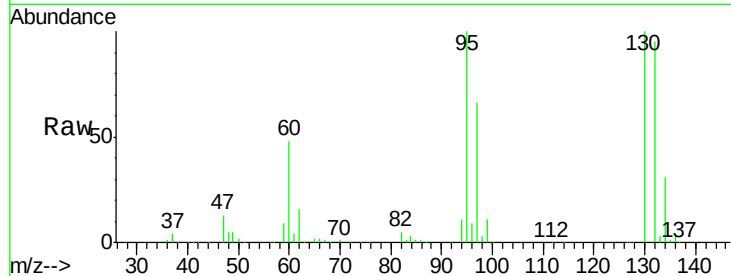




#34
 Trichloroethene
 Concen: 45.102 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038874.D
 Acq: 13 Jun 2020 01:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BFT69

Tot Ion:	95	Resp:	942397
Ion	Ratio	Lower	Upper
95	100		
97	65.6	46.1	85.5
132	95.4	67.5	125.3
130	99.9	66.7	123.9

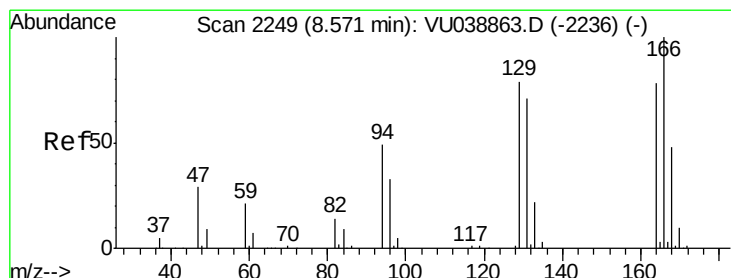
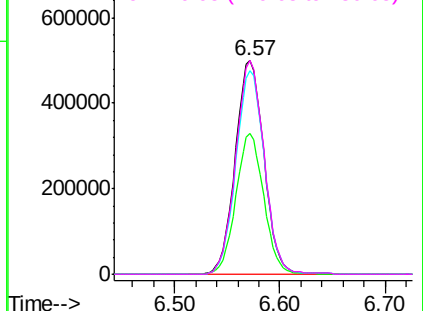
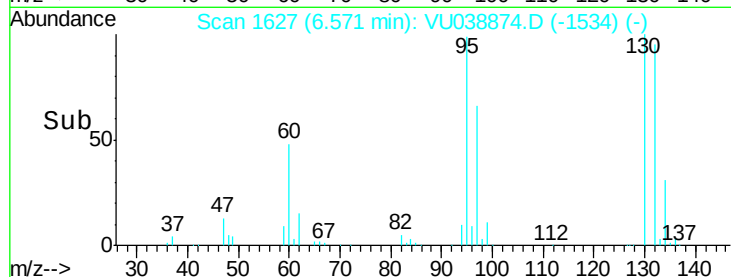


Abundance Ion 95.00 (94.70 to 95.70): VU038874.D (-1534) (-)

Ion 96.95 (96.65 to 97.65): VU038874.D (-1534) (-)

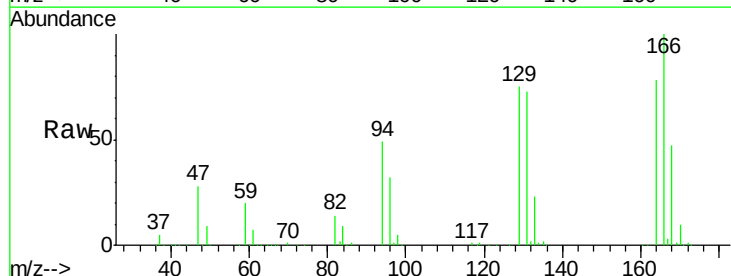
Ion 131.95 (131.65 to 132.65): VU038874.D (-1534) (-)

Ion 129.95 (129.65 to 130.65): VU038874.D (-1534) (-)



#47
 Tetrachloroethene
 Concen: 45.752 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. 0.00 min
 Lab File: VU038874.D
 Acq: 13 Jun 2020 01:41

Tgt Ion:	164	Resp:	735956
Ion	Ratio	Lower	Upper
164	100		
129	95.6	67.3	124.9
131	92.9	65.0	120.6
166	128.0	91.0	169.0



Abundance Ion 163.90 (163.60 to 164.60): VU038874.D (-2156) (-)

Ion 128.95 (128.65 to 129.65): VU038874.D (-2156) (-)

Ion 130.95 (130.65 to 131.65): VU038874.D (-2156) (-)

Ion 165.90 (165.60 to 166.60): VU038874.D (-2156) (-)

