

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041886.D
 Acq On : 07 Jan 2021 20:40
 Operator : SY/MD
 Sample : M1026-17
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXL8

Quant Time: Jan 08 06:46:27 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jan 08 04:58:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	138563	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132559	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54189	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	40267	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.92	69	44083	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.58	63	61912	3.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.00%
20) 2-Butanone-d5	4.65	46	173789	55.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.70%
24) Chloroform-d	5.08	84	101706	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.60%
26) 1,2-Dichloroethane-d4	5.72	65	57082	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.74	84	190425	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	63979	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.90	98	155302	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.18	79	23192	4.33	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.60%
46) 2-Hexanone-d5	8.64	63	146989	50.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.50%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	55123	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	56622	5.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.60%

Target Compounds

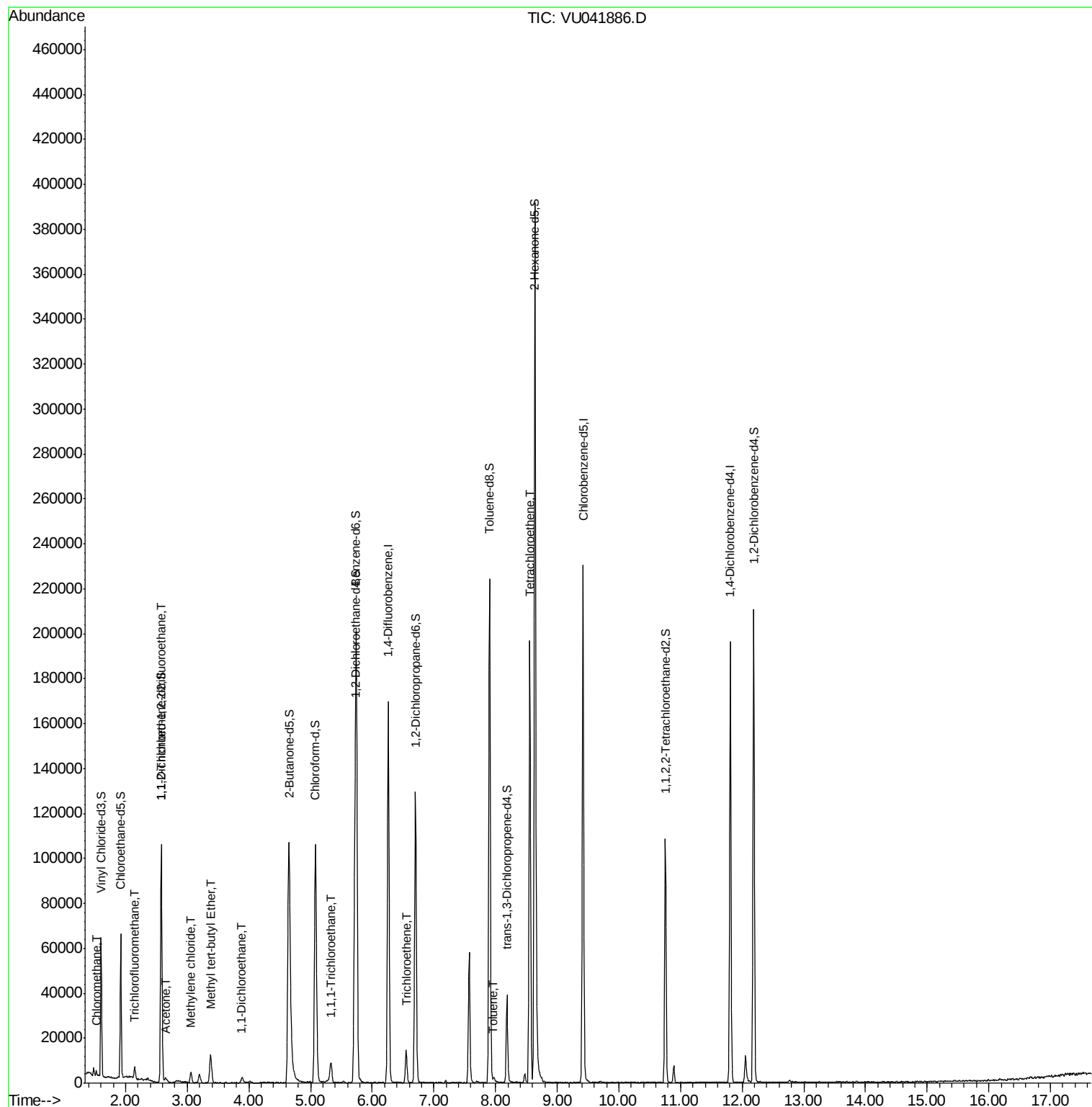
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.52	50	1530	0.134	ug/L	96
9) Trichlorofluoromethane	2.15	101	3328	0.209	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1253	0.131	ug/L #	70
13) Acetone	2.65	43	2941	1.486	ug/L	64
16) Methylene chloride	3.06	84	2543	0.227	ug/L #	80
17) Methyl tert-butyl Ether	3.38	73	13997	0.558	ug/L	99
19) 1,1-Dichloroethane	3.89	63	3492	0.192	ug/L	94
29) 1,1,1-Trichloroethane	5.33	97	6904	0.454	ug/L #	85
34) Trichloroethene	6.55	95	5191	0.487	ug/L	91
42) Toluene	7.97	91	1554	0.036	ug/L	93
47) Tetrachloroethene	8.56	164	43753	5.867	ug/L	97

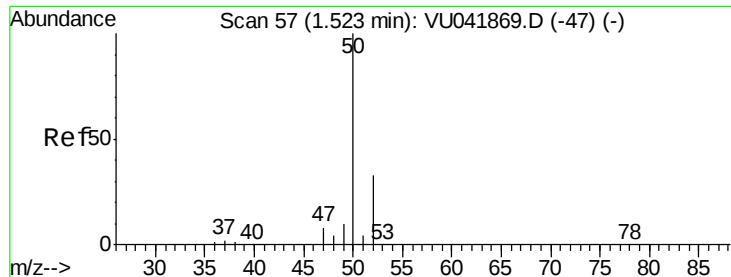
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.134 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041886.D

Acq: 07 Jan 2021 20:40

Instrument :

MSVOA_U

ClientSampleId :

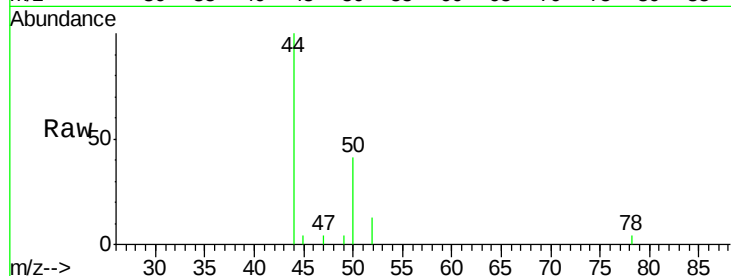
BFXL8

Tgt Ion: 50 Resp: 1530

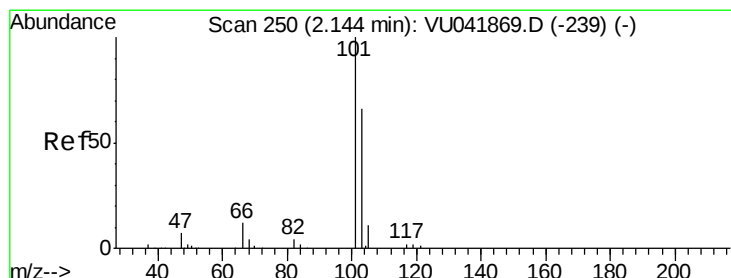
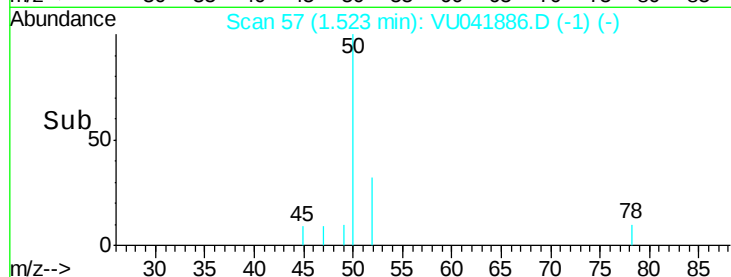
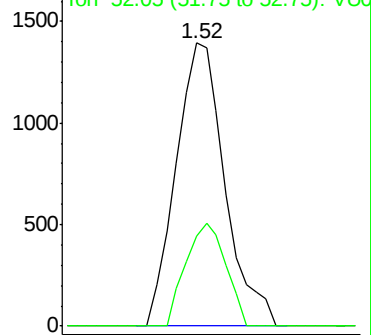
Ion Ratio Lower Upper

50 100

52 31.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU041886.D (-1) (-)



#9

Trichlorofluoromethane

Concen: 0.209 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU041886.D

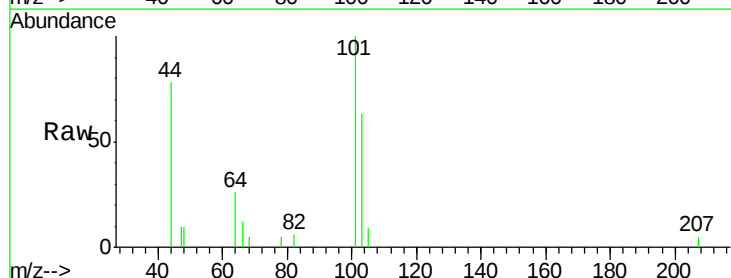
Acq: 07 Jan 2021 20:40

Tgt Ion: 101 Resp: 3328

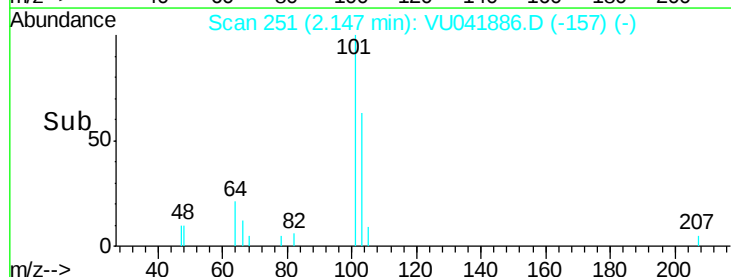
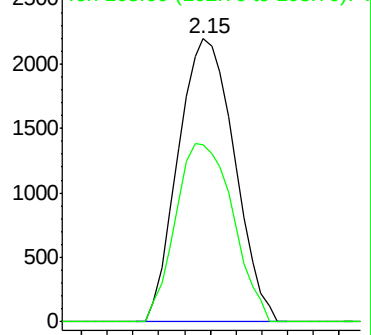
Ion Ratio Lower Upper

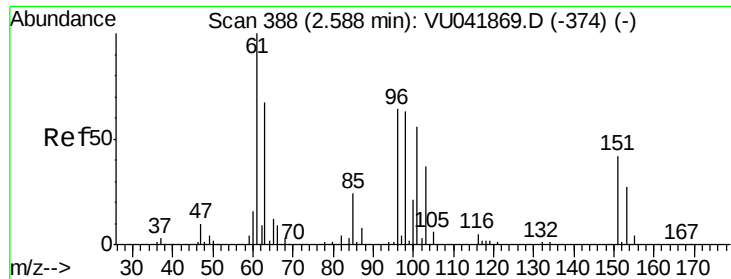
101 100

103 64.4 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VU041886.D (-157) (-)





#10

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

Concen: 0.131 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.00 min

Lab File: VU041886.D

Acq: 07 Jan 2021 20:40

Instrument :

MSVOA_U

ClientSampled :

BFXL8

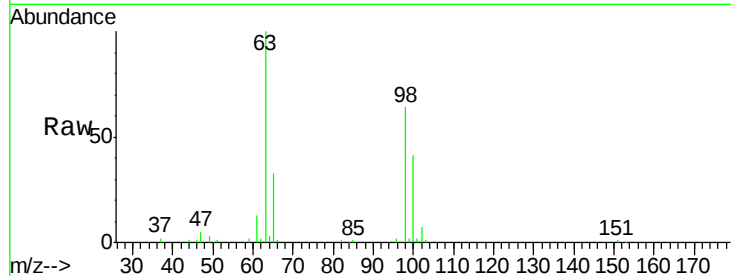
Tgt Ion:101 Resp: 1253

Ion Ratio Lower Upper

101 100

85 28.7 33.6 50.4#

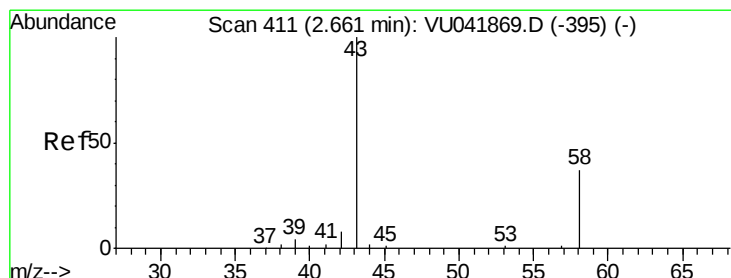
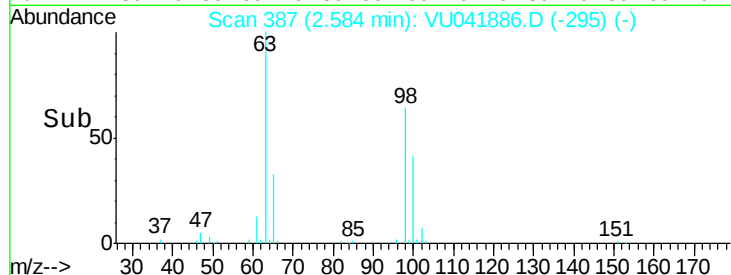
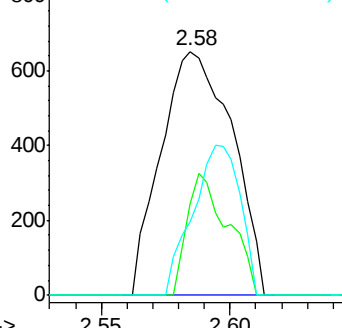
151 40.9 56.2 84.4#



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



#13

Acetone

Concen: 1.486 ug/L

RT: 2.65 min Scan# 407

Delta R.T. -0.01 min

Lab File: VU041886.D

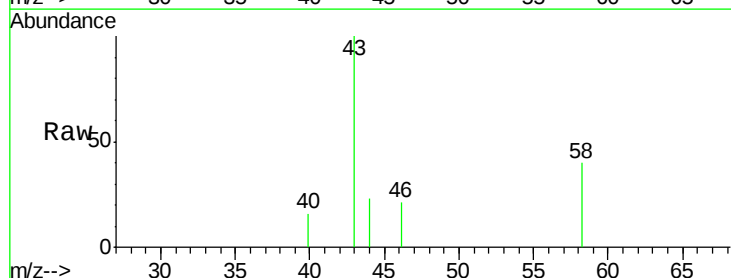
Acq: 07 Jan 2021 20:40

Tgt Ion: 43 Resp: 2941

Ion Ratio Lower Upper

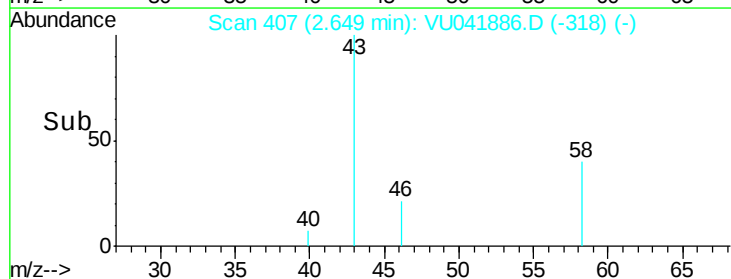
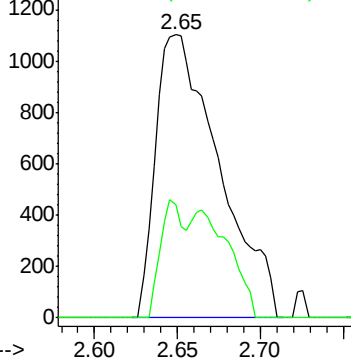
43 100

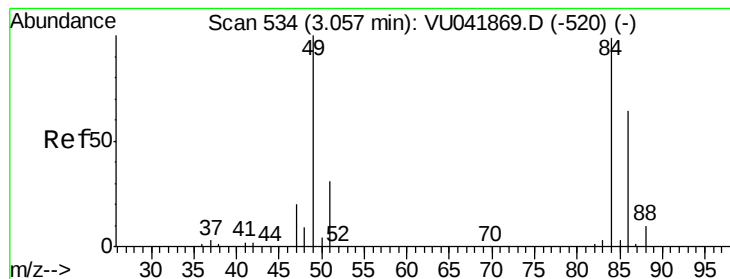
58 15.5 0.0 73.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#16

Methylene chloride

Concen: 0.227 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041886.D

Acq: 07 Jan 2021 20:40

Instrument :

MSVOA_U

ClientSampleId :

BFXL8

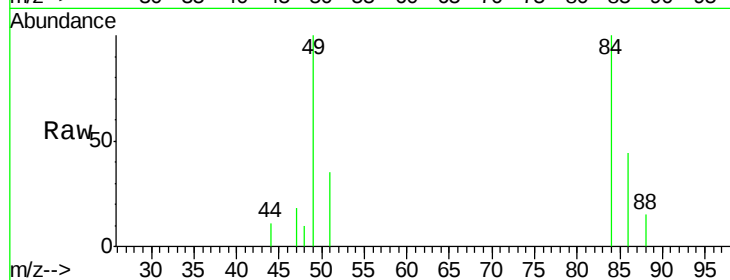
Tgt Ion: 84 Resp: 2543

Ion Ratio Lower Upper

84 100

86 44.2 45.1 83.7#

49 100.1 83.1 154.3

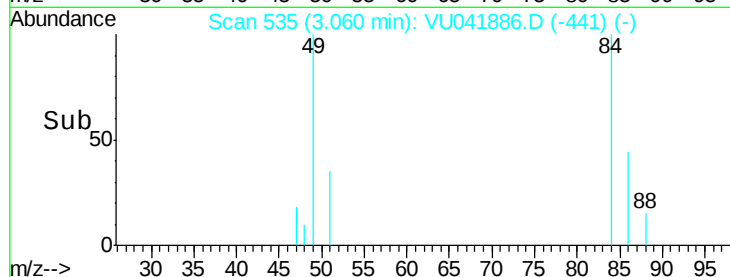


Abundance Ion 84.05 (83.75 to 84.75): VU041886.D (-540) (-)

Ion 86.00 (85.70 to 86.70): VU041886.D (-540) (-)

Ion 49.10 (48.80 to 49.80): VU041886.D (-540) (-)

Time-->



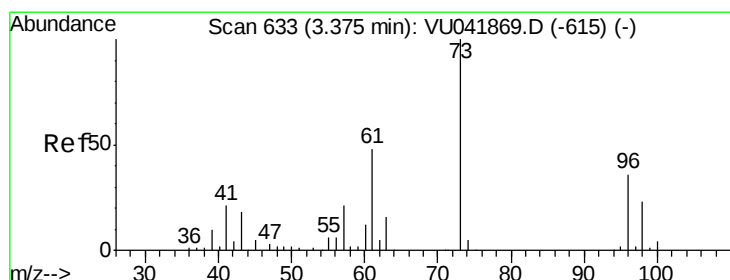
Abundance

Ion 84.05 (83.75 to 84.75): VU041886.D (-540) (-)

Ion 86.00 (85.70 to 86.70): VU041886.D (-540) (-)

Ion 49.10 (48.80 to 49.80): VU041886.D (-540) (-)

Time-->



#17

Methyl tert-butyl Ether

Concen: 0.558 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041886.D

Acq: 07 Jan 2021 20:40

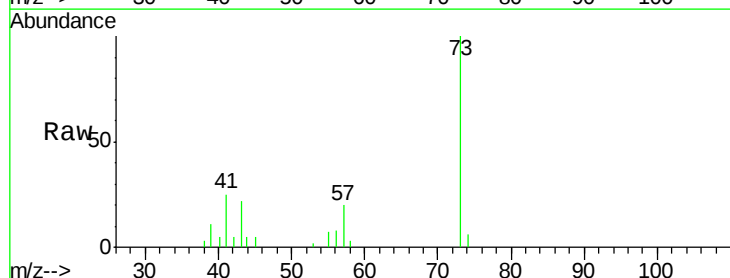
Tgt Ion: 73 Resp: 13997

Ion Ratio Lower Upper

73 100

43 19.2 14.7 22.1

57 22.8 18.2 27.4

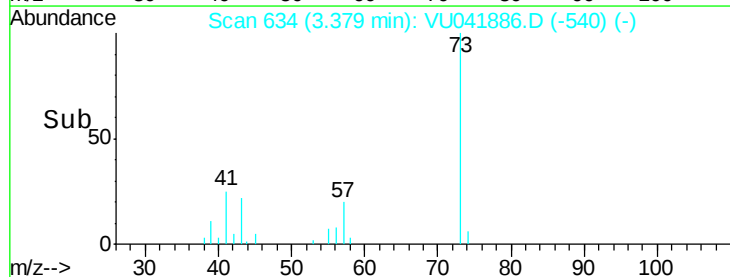


Abundance Ion 73.10 (72.80 to 73.80): VU041886.D (-540) (-)

Ion 43.05 (42.75 to 43.75): VU041886.D (-540) (-)

Ion 57.10 (56.80 to 57.80): VU041886.D (-540) (-)

Time-->



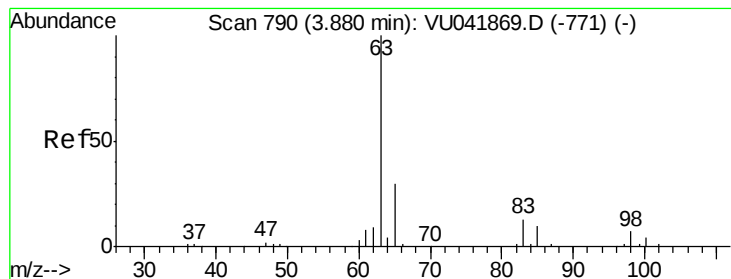
Abundance

Ion 73.10 (72.80 to 73.80): VU041886.D (-540) (-)

Ion 43.05 (42.75 to 43.75): VU041886.D (-540) (-)

Ion 57.10 (56.80 to 57.80): VU041886.D (-540) (-)

Time-->



#19

1,1-Dichloroethane

Concen: 0.192 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.01 min

Lab File: VU041886.D

Acq: 07 Jan 2021 20:40

Instrument :

MSVOA_U

ClientSampleId :

BFXL8

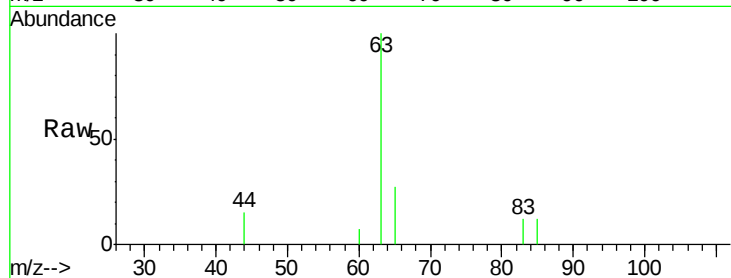
Tgt Ion: 63 Resp: 3492

Ion Ratio Lower Upper

63 100

65 26.6 21.3 39.6

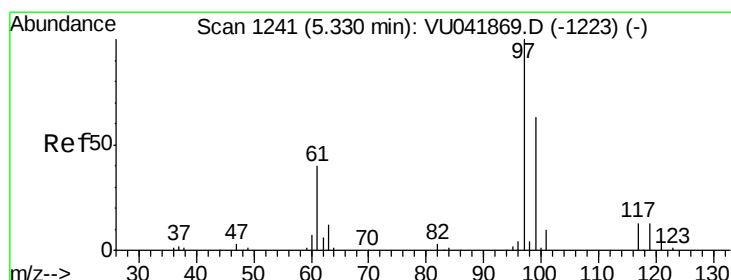
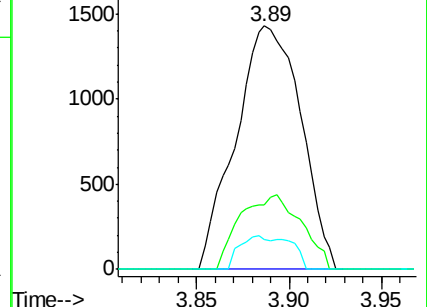
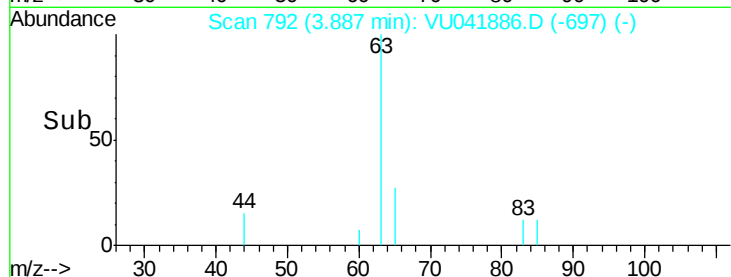
83 12.4 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VU041886.D (-697) (-)

Ion 65.10 (64.80 to 65.80): VU041886.D (-697) (-)

Ion 83.05 (82.75 to 83.75): VU041886.D (-697) (-)



#29

1,1,1-Trichloroethane

Concen: 0.454 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041886.D

Acq: 07 Jan 2021 20:40

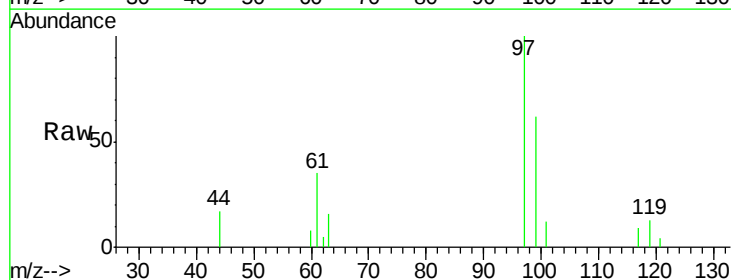
Tgt Ion: 97 Resp: 6904

Ion Ratio Lower Upper

97 100

99 63.5 51.3 76.9

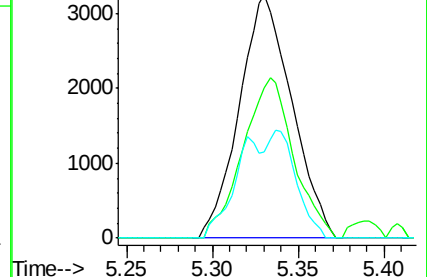
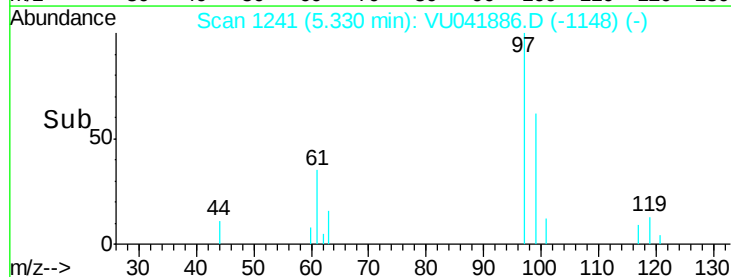
61 23.0 36.5 54.7#

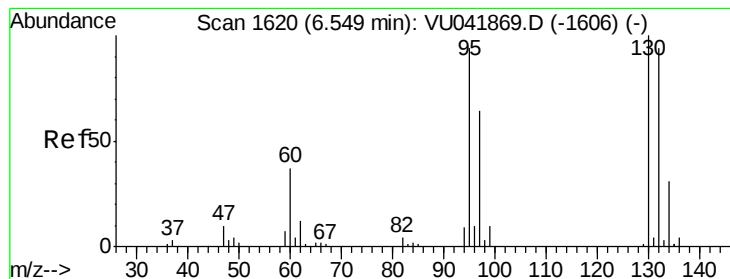


Abundance Ion 96.95 (96.65 to 97.65): VU041886.D (-1148) (-)

Ion 99.05 (98.75 to 99.75): VU041886.D (-1148) (-)

Ion 61.05 (60.75 to 61.75): VU041886.D (-1148) (-)





#34

Trichloroethene

Concen: 0.487 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041886.D

Acq: 07 Jan 2021 20:40

Instrument :

MSVOA_U

ClientSampled :

BFXL8

Tgt Ion: 95 Resp: 5191

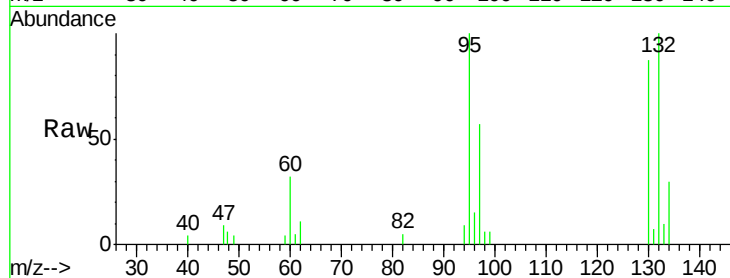
Ion Ratio Lower Upper

95 100

97 57.5 43.9 81.5

132 100.3 63.1 117.3

130 87.5 67.4 125.2

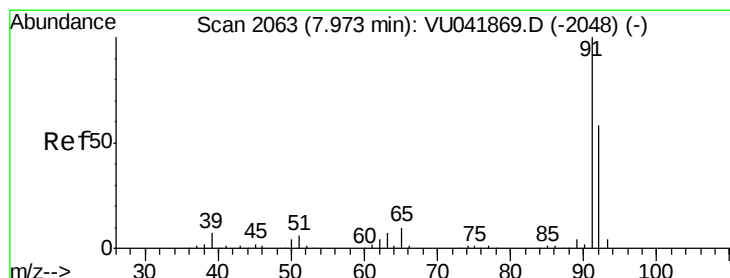
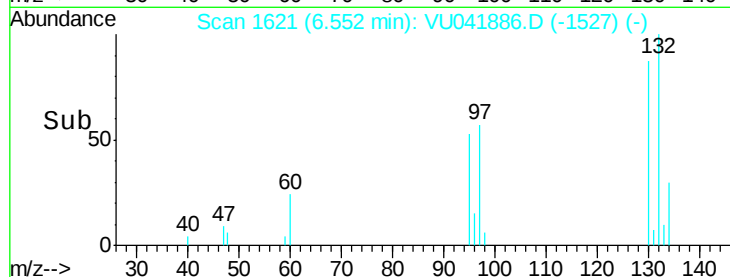
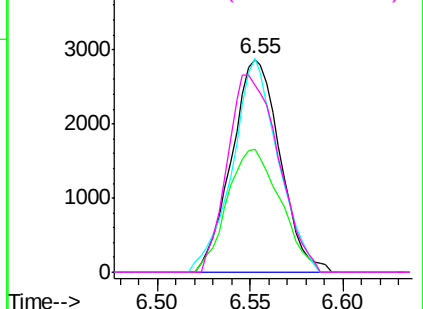


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 0.036 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. 0.00 min

Lab File: VU041886.D

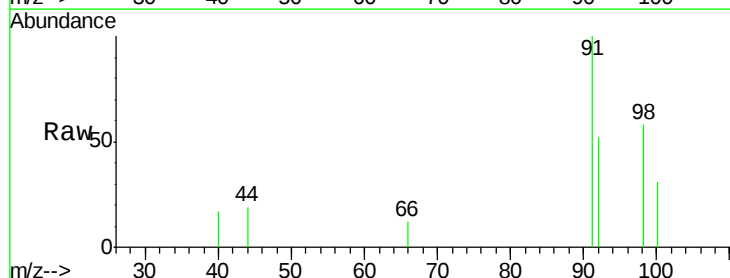
Acq: 07 Jan 2021 20:40

Tgt Ion: 91 Resp: 1554

Ion Ratio Lower Upper

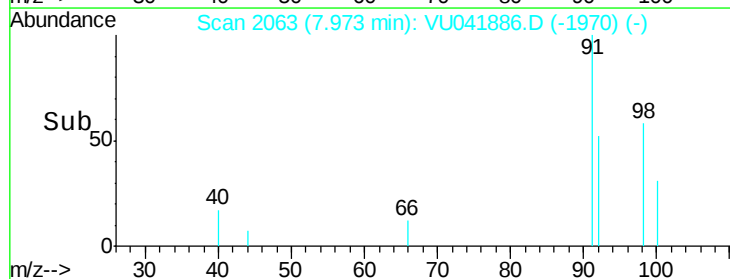
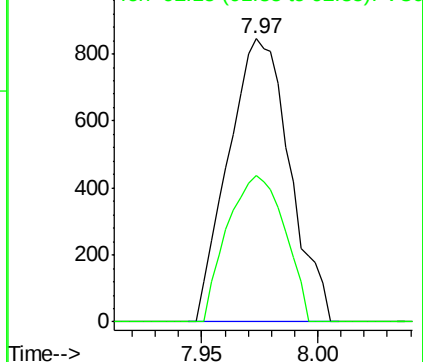
91 100

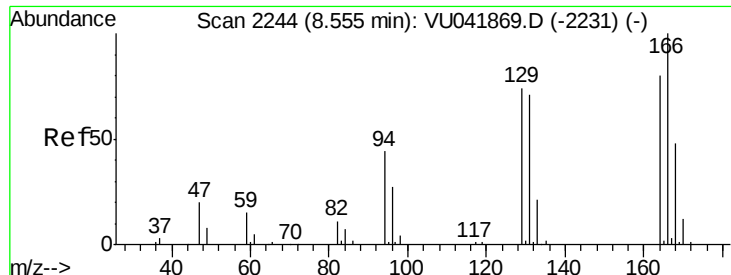
92 51.7 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0





#47

Tetrachloroethene

Concen: 5.867 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041886.D

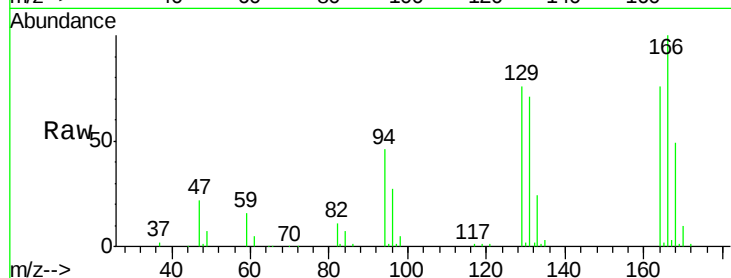
Acq: 07 Jan 2021 20:40

Instrument :

MSVOA_U

ClientSampleId :

BFXL8



Tgt Ion:164 Resp: 43753

Ion Ratio Lower Upper

164 100

129 100.5 72.2 134.0

131 94.2 66.9 124.3

166 132.4 89.6 166.4

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

