

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041876.D
 Acq On : 07 Jan 2021 16:41
 Operator : SY/MD
 Sample : M1026-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXK4

Quant Time: Jan 08 05:46:22 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	139012	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	139816	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	54980	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45267	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.92	69	46374	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.20%
11) 1,1-Dichloroethene-d2	2.58	63	65766	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.65	46	183929	58.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.84%
24) Chloroform-d	5.08	84	102901	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.60%
26) 1,2-Dichloroethane-d4	5.72	65	58818	5.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.40%
32) Benzene-d6	5.74	84	197705	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
36) 1,2-Dichloropropane-d6	6.70	67	66930	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.60%
41) Toluene-d8	7.90	98	161110	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	25904	4.59	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.80%
46) 2-Hexanone-d5	8.64	63	153057	49.61	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.22%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56804	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	57100	5.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.80%

Target Compounds

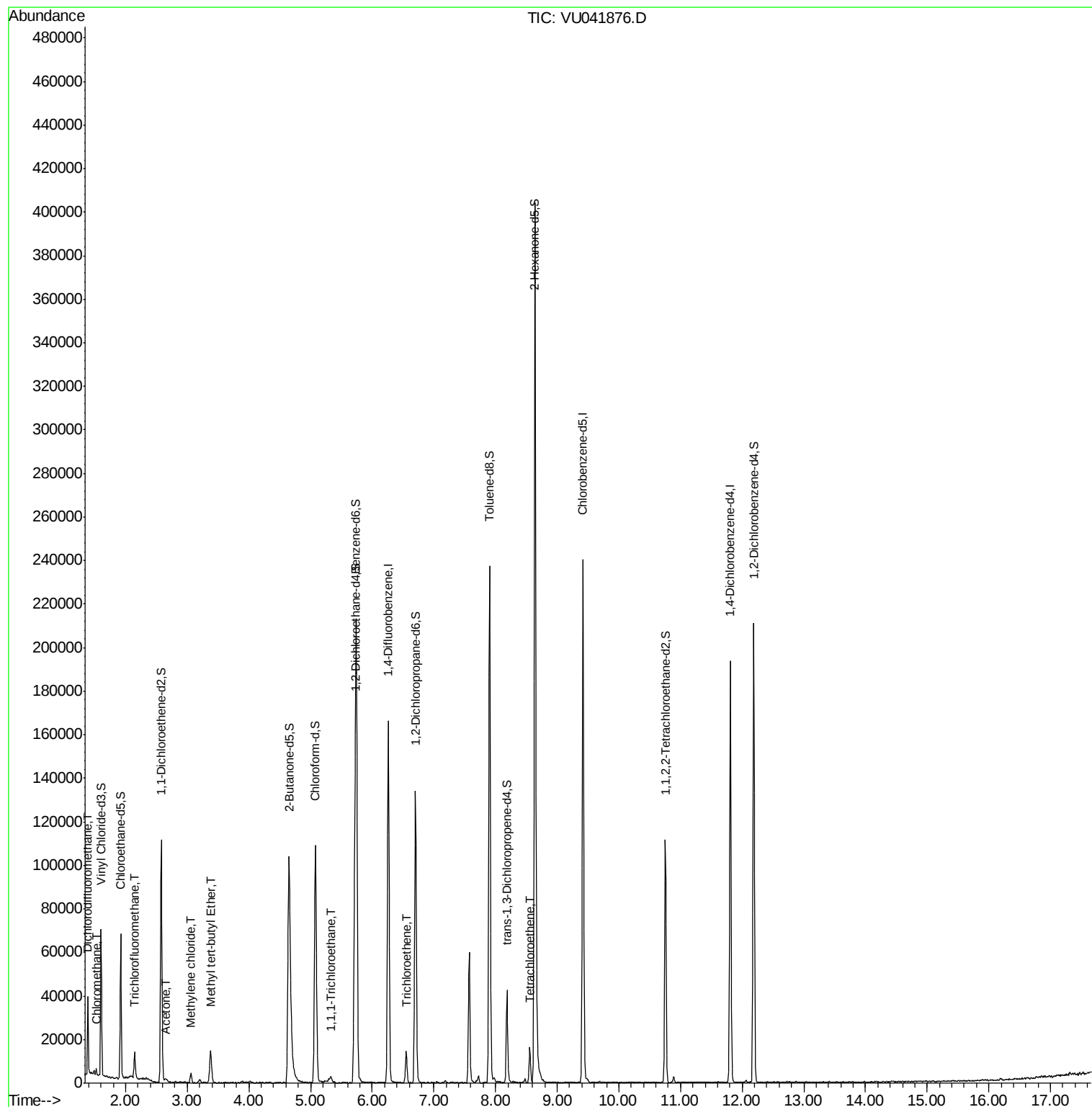
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.39	85	19850	1.686	ug/L	99
3) Chloromethane	1.52	50	1938	0.169	ug/L	96
9) Trichlorofluoromethane	2.15	101	7728	0.483	ug/L	93
13) Acetone	2.66	43	2547	1.283	ug/L	81
16) Methylene chloride	3.06	84	2164	0.192	ug/L	95
17) Methyl tert-butyl Ether	3.38	73	16486	0.655	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	2400	0.149	ug/L #	86
34) Trichloroethene	6.56	95	4945	0.440	ug/L	88
47) Tetrachloroethene	8.56	164	3589	0.456	ug/L	93

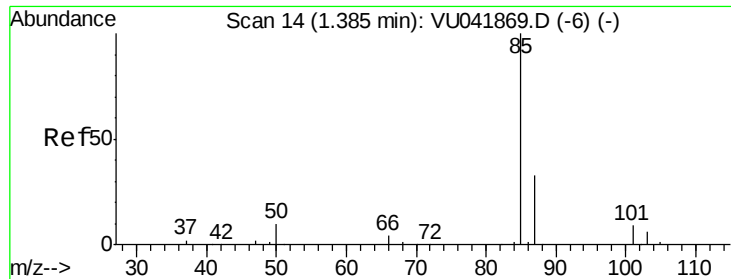
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.686 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

Instrument :

MSVOA_U

ClientSampleId :

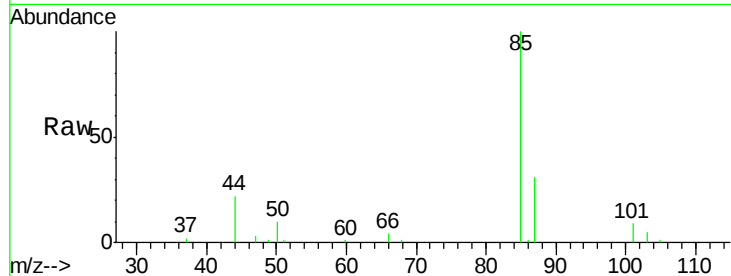
BFXK4

Tgt Ion: 85 Resp: 19850

Ion Ratio Lower Upper

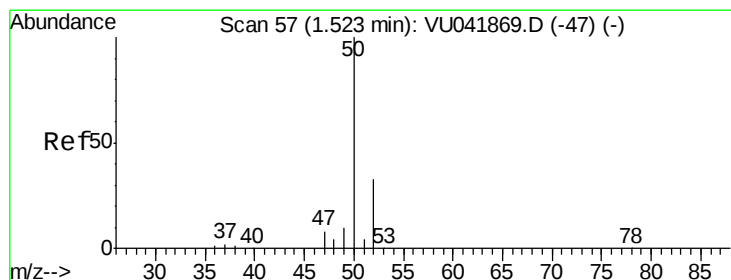
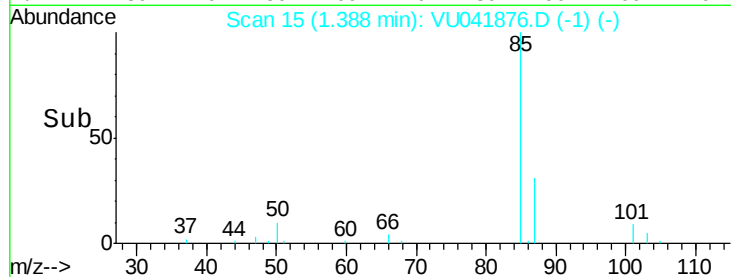
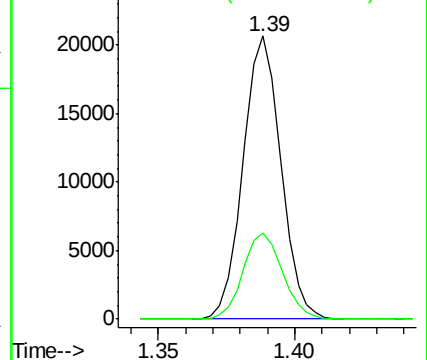
85 100

87 31.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#3

Chloromethane

Concen: 0.169 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041876.D

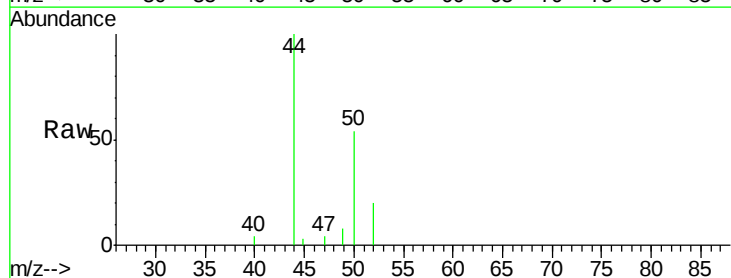
Acq: 07 Jan 2021 16:41

Tgt Ion: 50 Resp: 1938

Ion Ratio Lower Upper

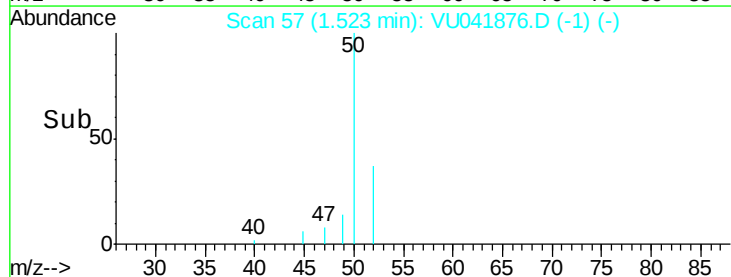
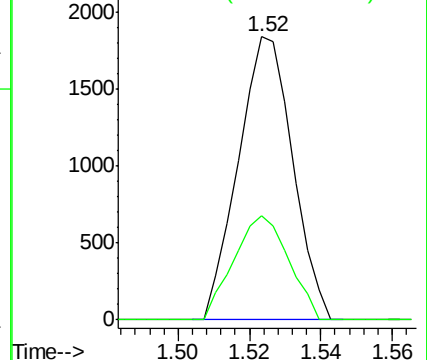
50 100

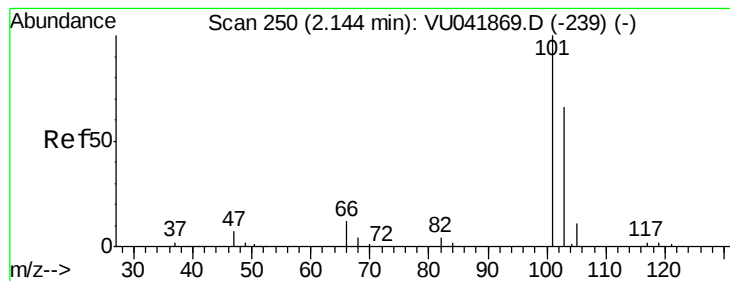
52 36.9 24.1 44.8



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



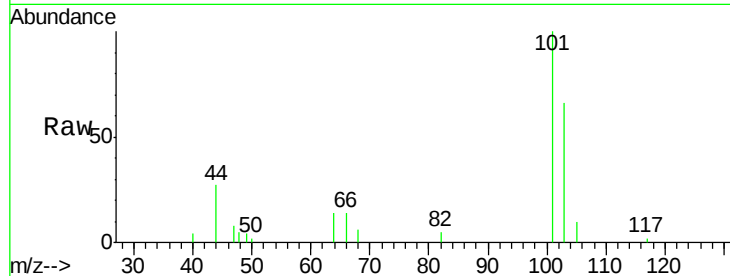


#9

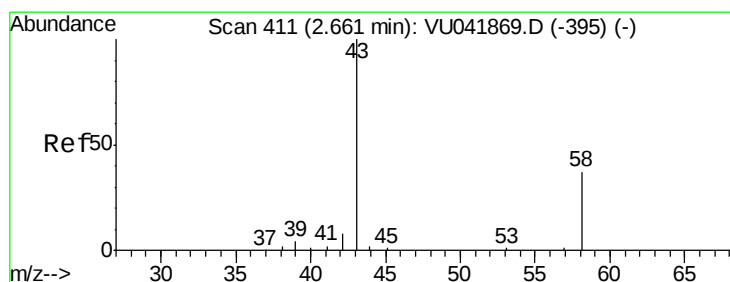
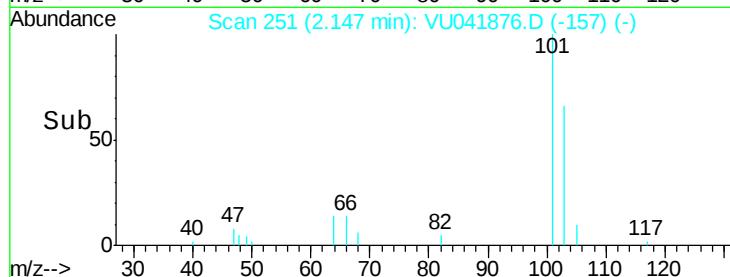
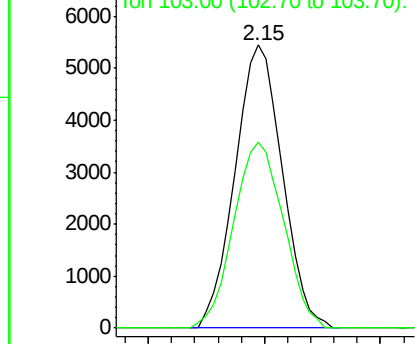
Trichlorofluoromethane
 Concen: 0.483 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041876.D
 Acq: 07 Jan 2021 16:41

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXK4

Tgt Ion: 101 Resp: 7728
 Ion Ratio Lower Upper
 101 100
 103 69.1 51.1 76.7



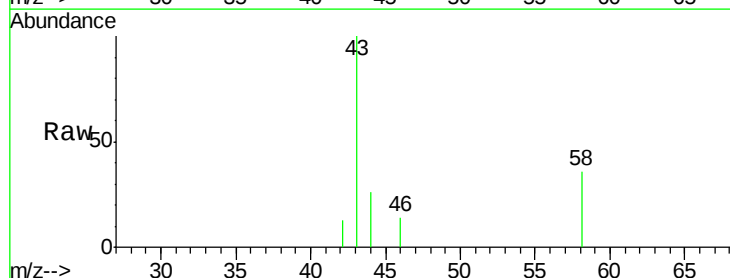
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



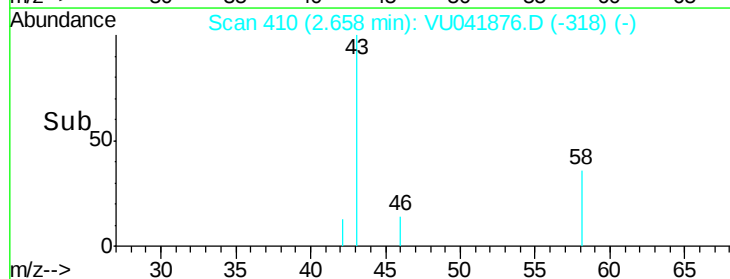
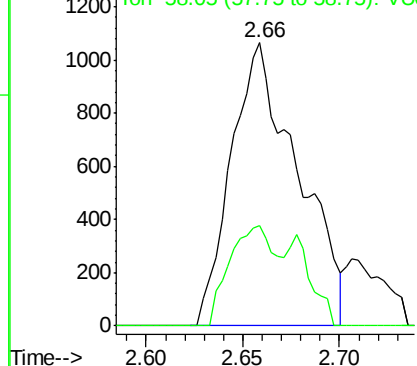
#13

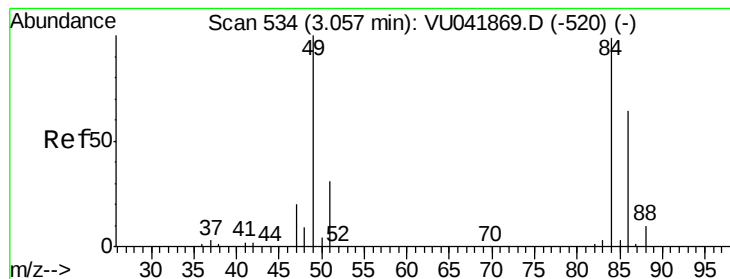
Acetone
 Concen: 1.283 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VU041876.D
 Acq: 07 Jan 2021 16:41

Tgt Ion: 43 Resp: 2547
 Ion Ratio Lower Upper
 43 100
 58 25.4 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: 0.192 ug/L

RT: 3.06 min Scan# 535

Delta R.T. 0.00 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

Instrument :

MSVOA_U

ClientSampleId :

BFXK4

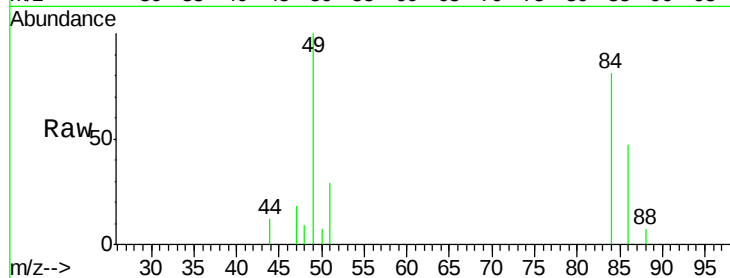
Tgt Ion: 84 Resp: 2164

Ion Ratio Lower Upper

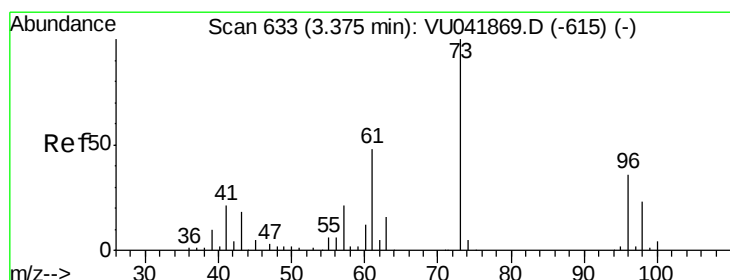
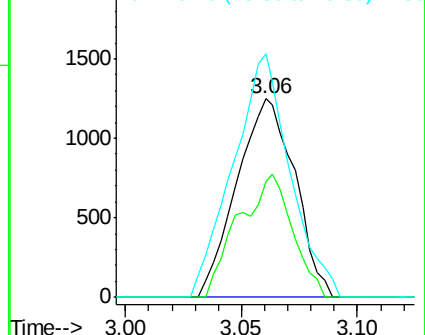
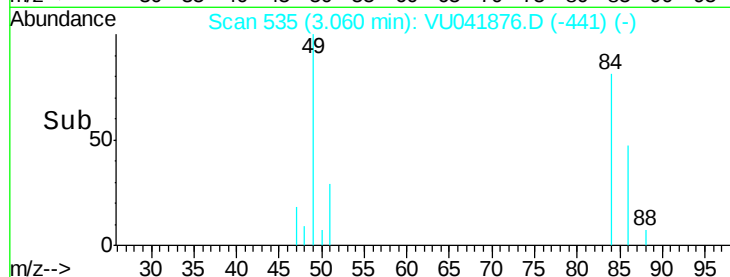
84 100

86 58.3 45.1 83.7

49 122.9 83.1 154.3



Abundance Ion 84.05 (83.75 to 84.75): VU041876.D (-540) (-)



#17

Methyl tert-butyl Ether

Concen: 0.655 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041876.D

Acq: 07 Jan 2021 16:41

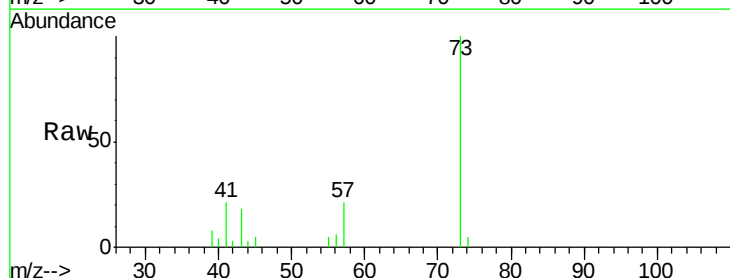
Tgt Ion: 73 Resp: 16486

Ion Ratio Lower Upper

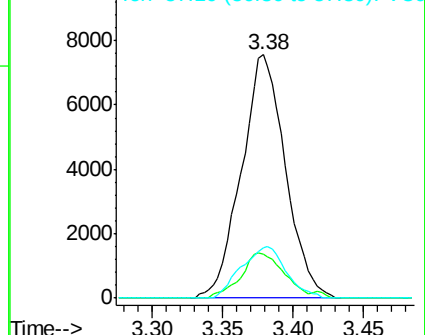
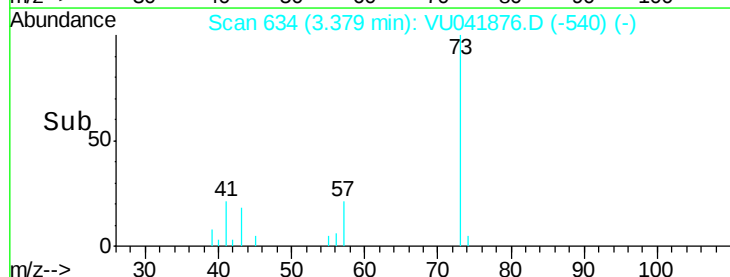
73 100

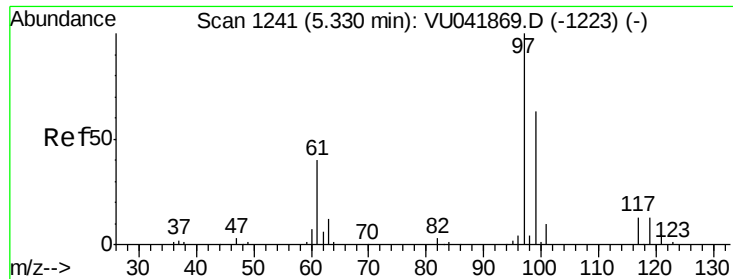
43 18.0 14.7 22.1

57 21.5 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VU041876.D (-540) (-)

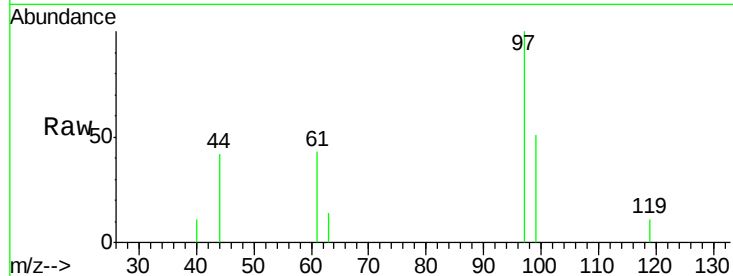




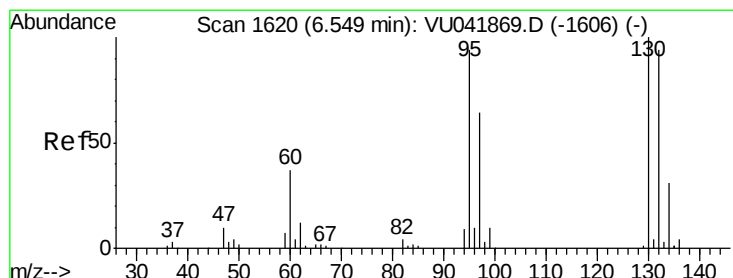
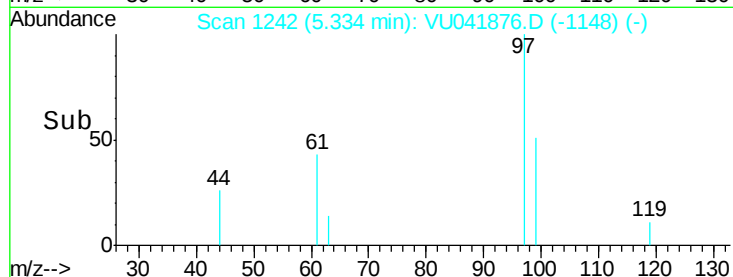
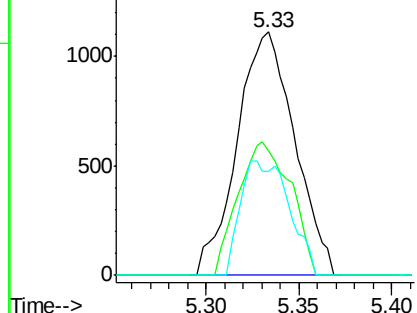
#29
 1,1,1-Trichloroethane
 Concen: 0.149 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VU041876.D
 Acq: 07 Jan 2021 16:41

Instrument :
 MSVOA_U
 ClientSampled :
 BFXK4

Tgt Ion: 97 Resp: 2400
 Ion Ratio Lower Upper
 97 100
 99 50.0 51.3 76.9#
 61 39.7 36.5 54.7

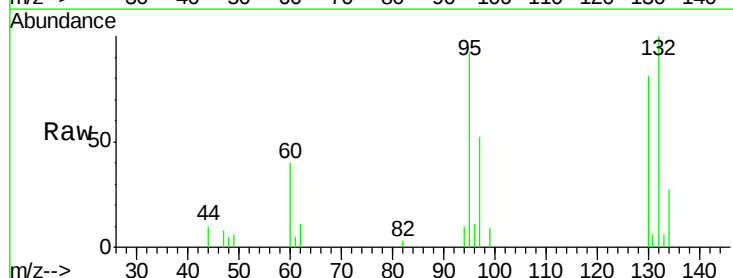


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

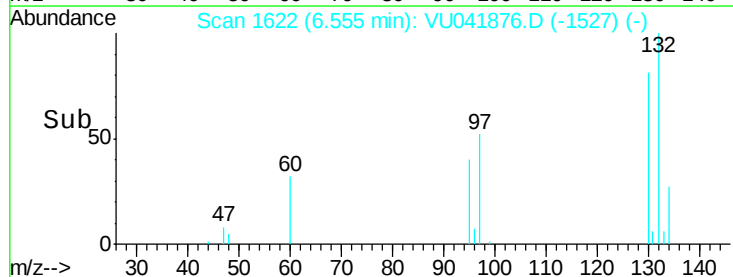
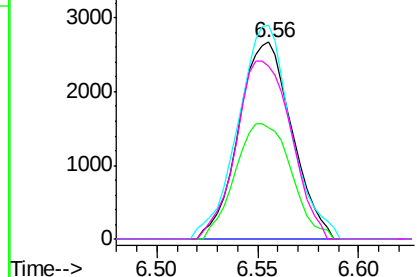


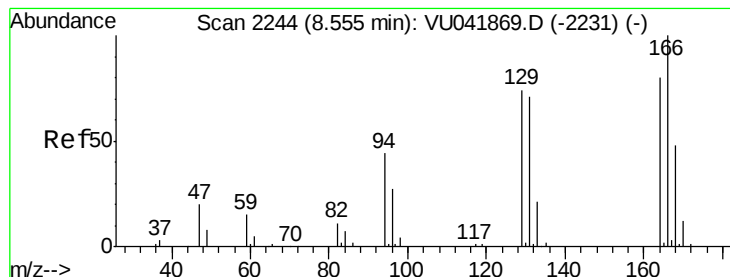
#34
 Trichloroethene
 Concen: 0.440 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.01 min
 Lab File: VU041876.D
 Acq: 07 Jan 2021 16:41

Tgt Ion: 95 Resp: 4945
 Ion Ratio Lower Upper
 95 100
 97 56.4 43.9 81.5
 132 108.5 63.1 117.3
 130 87.9 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





#47

Tetrachloroethene

Concen: 0.456 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041876.D

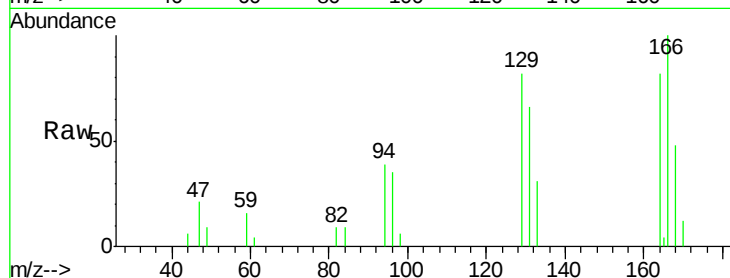
Acq: 07 Jan 2021 16:41

Instrument :

MSVOA_U

ClientSampleId :

BFXK4



Tgt Ion:164 Resp: 3589

Ion Ratio Lower Upper

164 100

129 100.4 72.2 134.0

131 80.2 66.9 124.3

166 122.4 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

