

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010921\
 Data File : VU041873.D
 Acq On : 07 Jan 2021 15:29
 Operator : SY/MD
 Sample : M1026-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXK0

Quant Time: Jan 08 05:34:33 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	145406	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	132127	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	57338	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	45030	3.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.20%
7) Chloroethane-d5	1.92	69	47250	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	2.58	63	66406	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.65	46	178567	54.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.36%
24) Chloroform-d	5.08	84	102143	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.72	65	57847	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.74	84	189981	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.70	67	66343	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.90	98	151478	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	8.19	79	22615	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.64	63	133039	45.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.26%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	56319	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	55901	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

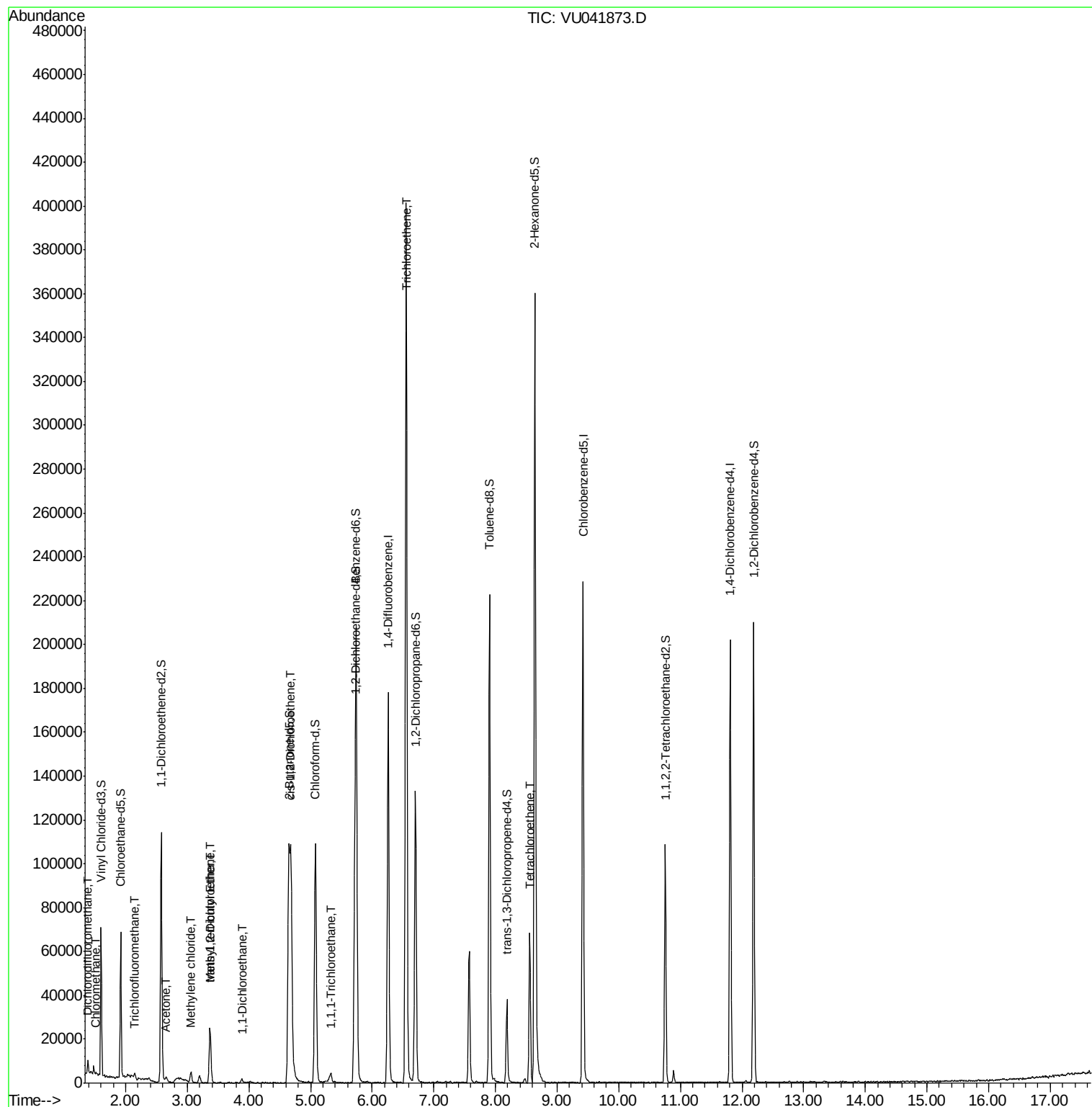
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.39	85	2719	0.221	ug/L	91
3) Chloromethane	1.52	50	848	0.071	ug/L #	74
9) Trichlorofluoromethane	2.15	101	1152	0.069	ug/L	91
13) Acetone	2.66	43	3944	1.899	ug/L	73
16) Methylene chloride	3.06	84	2485	0.211	ug/L	92
17) Methyl tert-butyl Ether	3.38	73	6326	0.240	ug/L	100
18) trans-1,2-Dichloroethene	3.37	96	9113	0.893	ug/L	95
19) 1,1-Dichloroethane	3.89	63	2301	0.121	ug/L	91
22) cis-1,2-Dichloroethene	4.68	96	35520	3.150	ug/L	98
29) 1,1,1-Trichloroethane	5.33	97	3216	0.212	ug/L	98
34) Trichloroethene	6.55	95	139430	13.131	ug/L	96
47) Tetrachloroethene	8.56	164	15073	2.028	ug/L	99

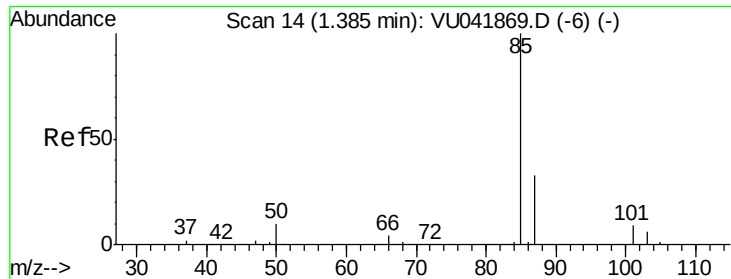
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.221 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

Instrument :

MSVOA_U

ClientSampleId :

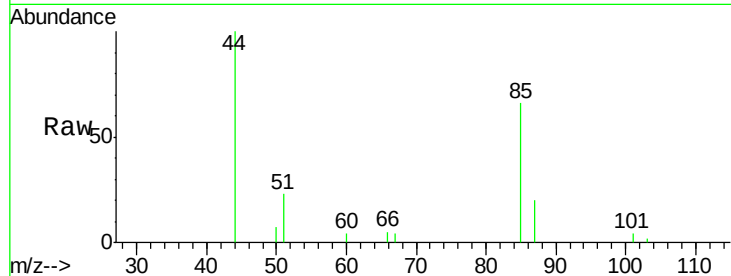
BFXK0

Tgt Ion: 85 Resp: 2719

Ion Ratio Lower Upper

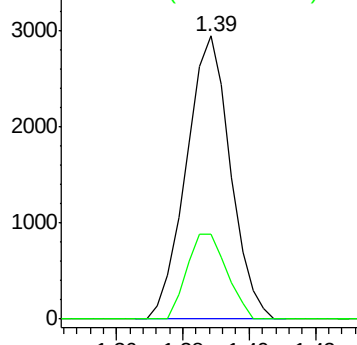
85 100

87 27.1 25.8 38.6

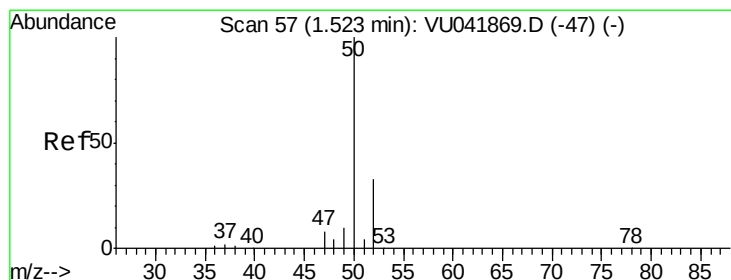
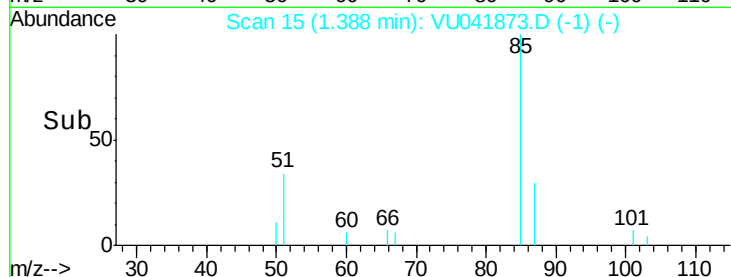


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 0.071 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041873.D

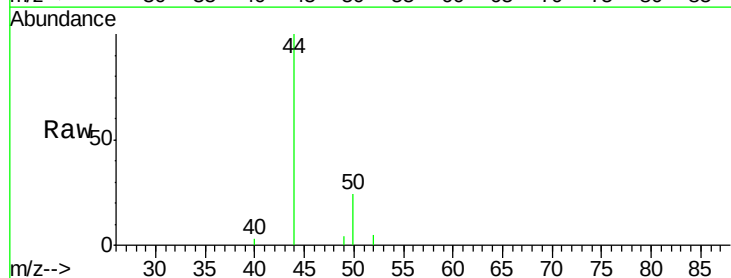
Acq: 07 Jan 2021 15:29

Tgt Ion: 50 Resp: 848

Ion Ratio Lower Upper

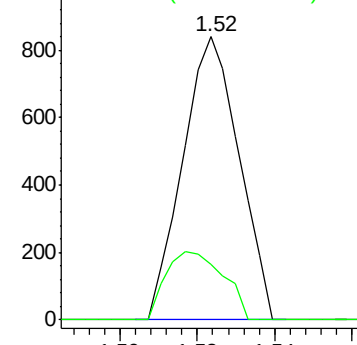
50 100

52 19.5 24.1 44.8#

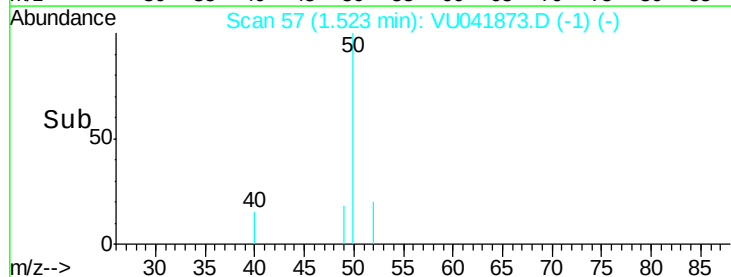


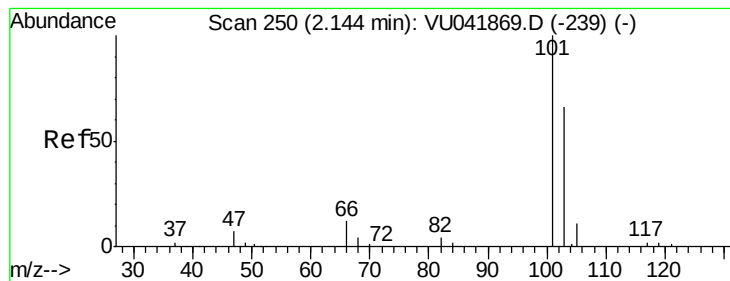
Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->



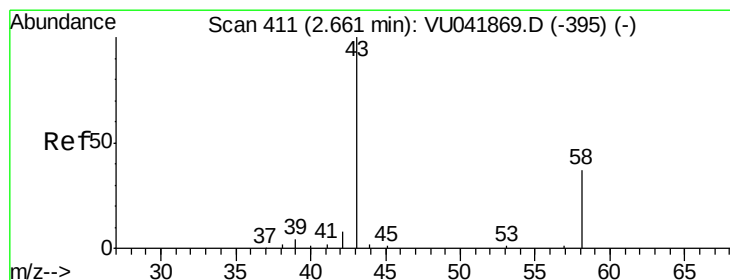
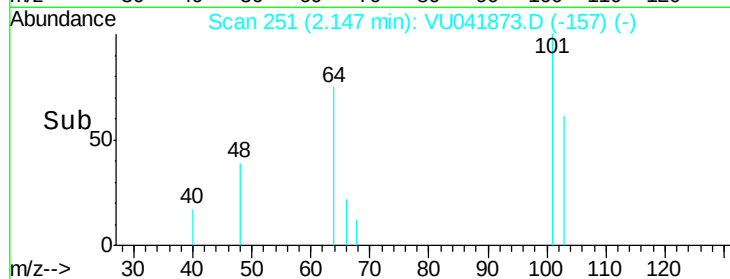
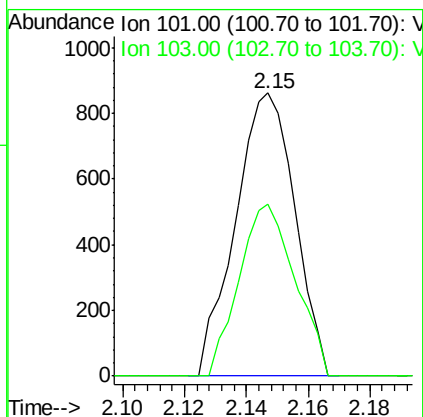
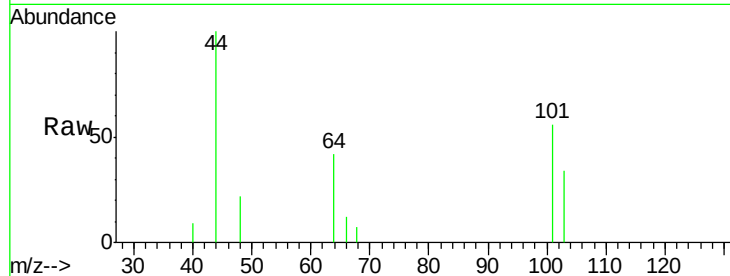


#9

Trichlorofluoromethane
 Concen: 0.069 ug/L
 RT: 2.15 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VU041873.D
 Acq: 07 Jan 2021 15:29

Instrument :
 MSVOA_U
 ClientSampled :
 BFXK0

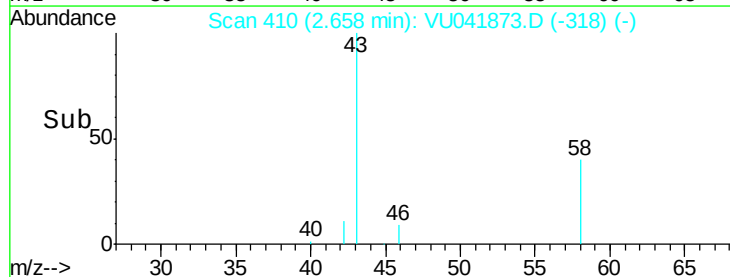
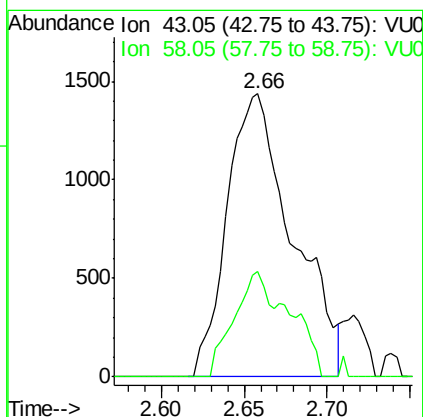
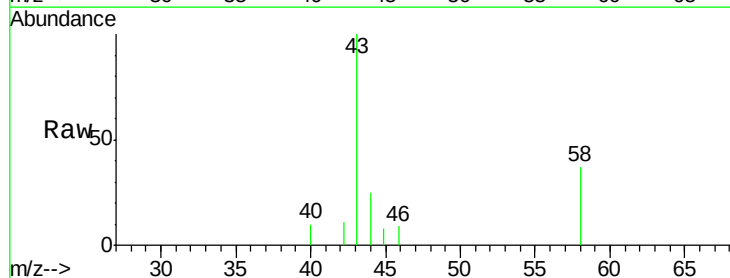
Tgt Ion: 101 Resp: 1152
 Ion Ratio Lower Upper
 101 100
 103 57.2 51.1 76.7

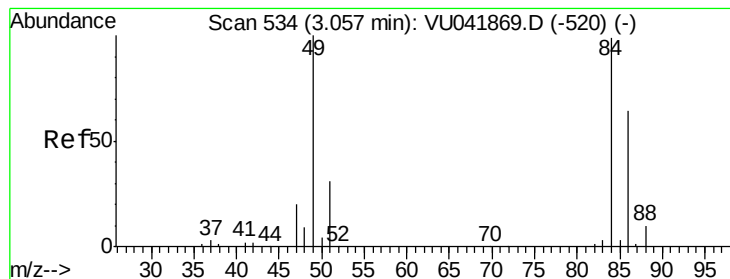


#13

Acetone
 Concen: 1.899 ug/L
 RT: 2.66 min Scan# 410
 Delta R.T. -0.00 min
 Lab File: VU041873.D
 Acq: 07 Jan 2021 15:29

Tgt Ion: 43 Resp: 3944
 Ion Ratio Lower Upper
 43 100
 58 20.4 0.0 73.2





#16

Methylene chloride

Concen: 0.211 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

Instrument :

MSVOA_U

ClientSampleId :

BFXK0

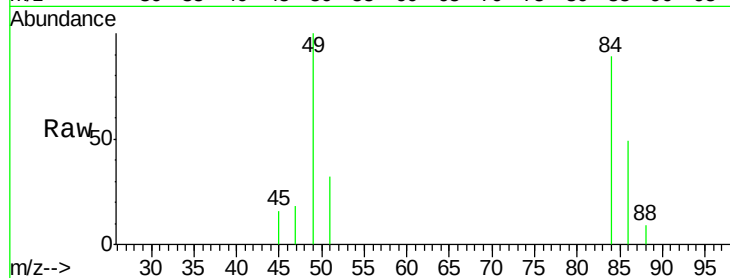
Tgt Ion: 84 Resp: 2485

Ion Ratio Lower Upper

84 100

86 54.6 45.1 83.7

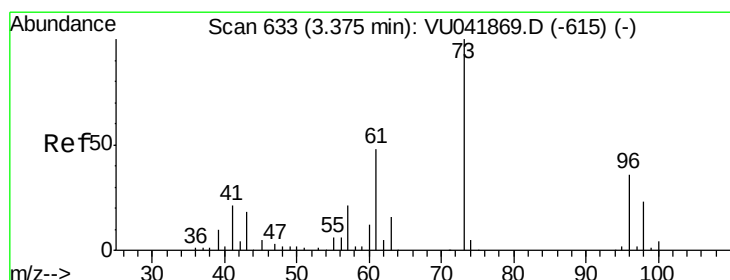
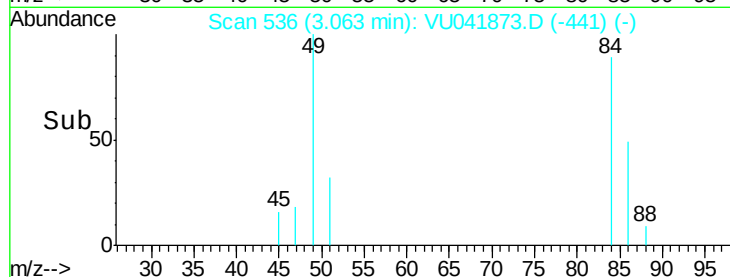
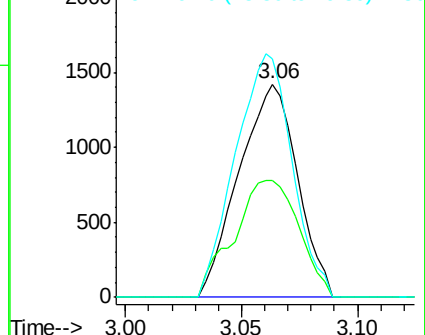
49 112.0 83.1 154.3



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#17

Methyl tert-butyl Ether

Concen: 0.240 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

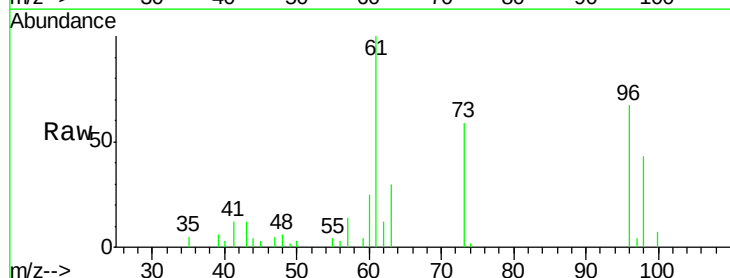
Tgt Ion: 73 Resp: 6326

Ion Ratio Lower Upper

73 100

43 18.3 14.7 22.1

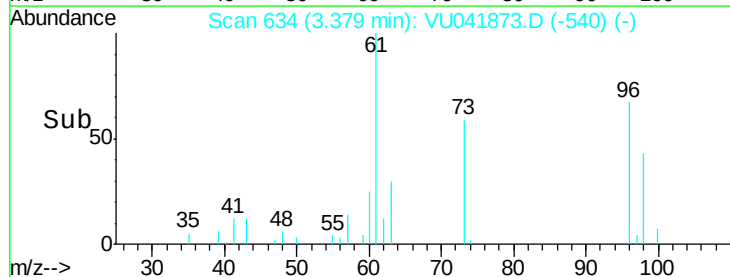
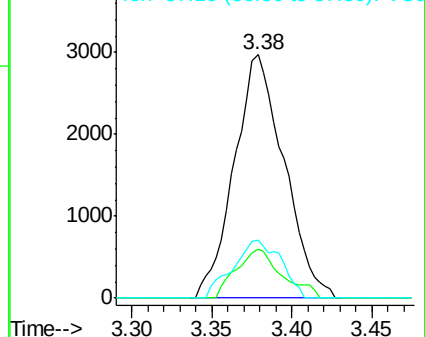
57 22.8 18.2 27.4

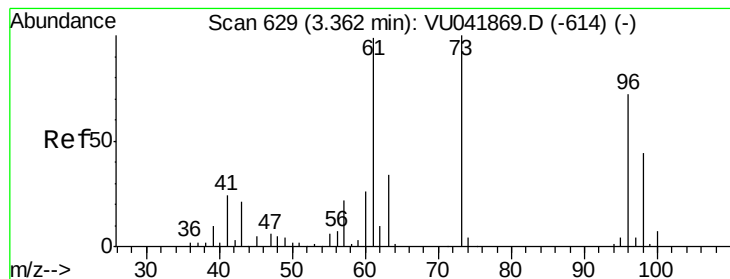


Abundance Ion 73.10 (72.80 to 73.80): VU0

Ion 43.05 (42.75 to 43.75): VU0

Ion 57.10 (56.80 to 57.80): VU0





#18

trans-1,2-Dichloroethene

Concen: 0.893 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.01 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

Instrument :

MSVOA_U

ClientSampleId :

BFXK0

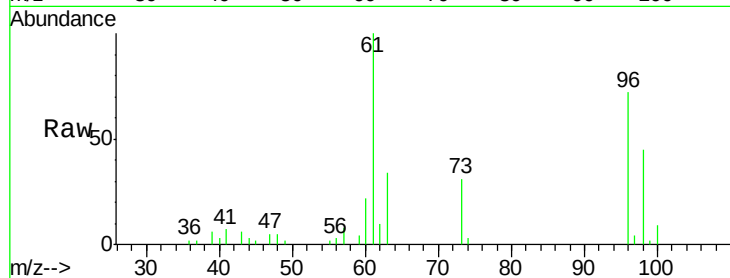
Tgt Ion: 96 Resp: 9113

Ion Ratio Lower Upper

96 100

61 138.2 101.8 189.0

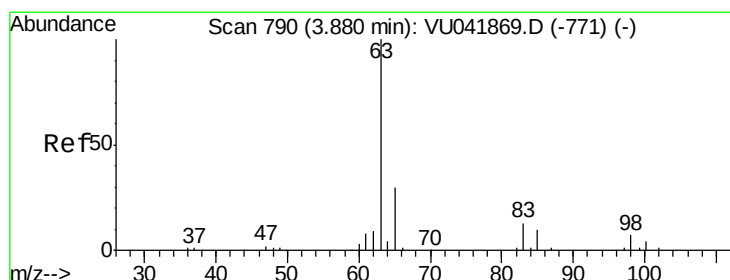
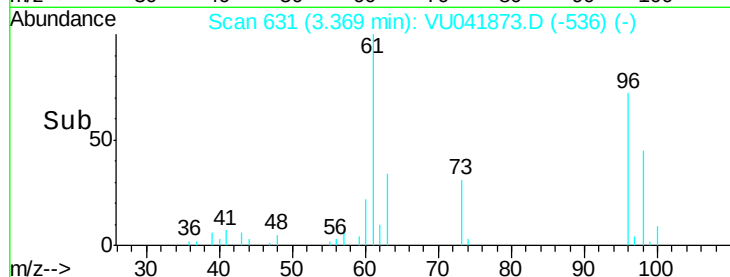
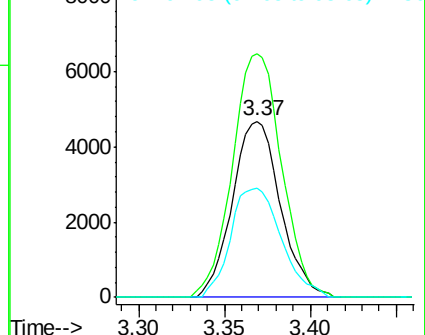
98 61.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU041869.D (-614) (-)

Ion 61.05 (60.75 to 61.75): VU041869.D (-614) (-)

Ion 97.95 (97.65 to 98.65): VU041869.D (-614) (-)



#19

1,1-Dichloroethane

Concen: 0.121 ug/L

RT: 3.89 min Scan# 792

Delta R.T. 0.01 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

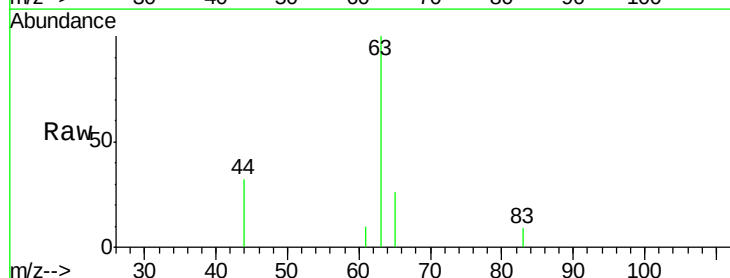
Tgt Ion: 63 Resp: 2301

Ion Ratio Lower Upper

63 100

65 25.8 21.3 39.6

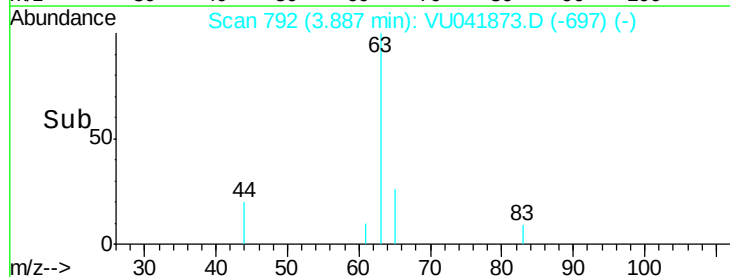
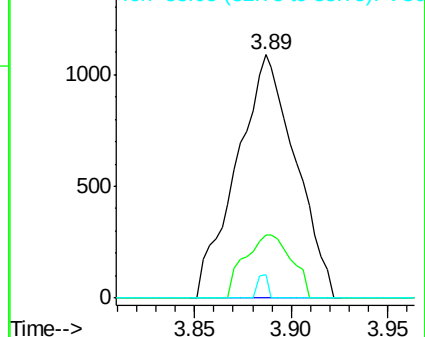
83 9.4 9.3 17.3

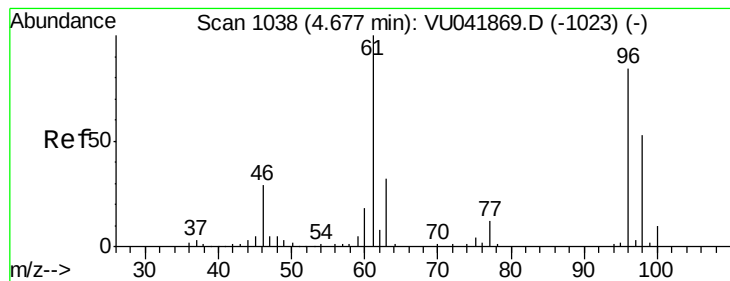


Abundance Ion 63.10 (62.80 to 63.80): VU041869.D (-771) (-)

Ion 65.10 (64.80 to 65.80): VU041869.D (-771) (-)

Ion 83.05 (82.75 to 83.75): VU041869.D (-771) (-)





#22

cis-1,2-Dichloroethene

Concen: 3.150 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

Instrument :

MSVOA_U

ClientSampleId :

BFXK0

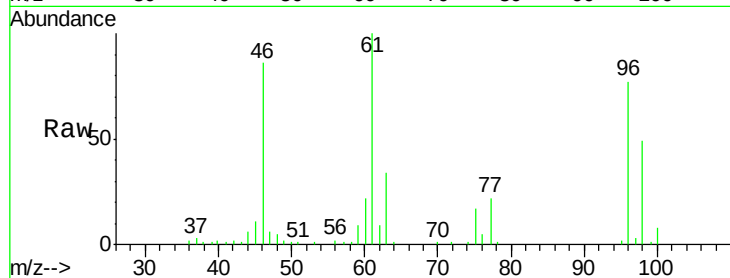
Tgt Ion: 96 Resp: 35520

Ion Ratio Lower Upper

96 100

61 129.5 88.8 165.0

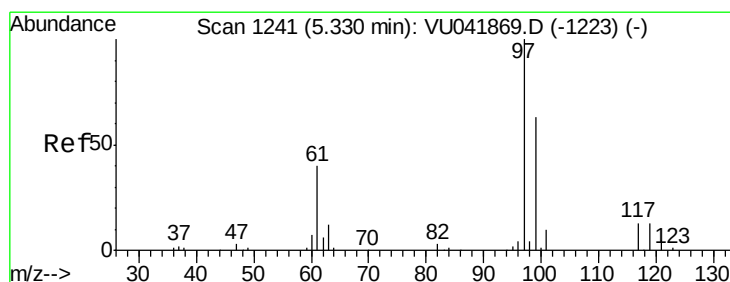
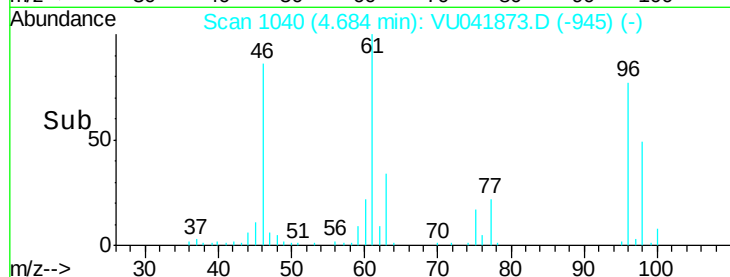
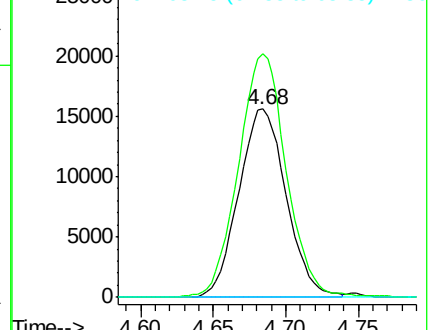
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041873.D (-1040) (-)

Ion 61.05 (60.75 to 61.75): VU041873.D (-1040) (-)

Ion 68.15 (67.85 to 68.85): VU041873.D (-1040) (-)



#29

1,1,1-Trichloroethane

Concen: 0.212 ug/L

RT: 5.33 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

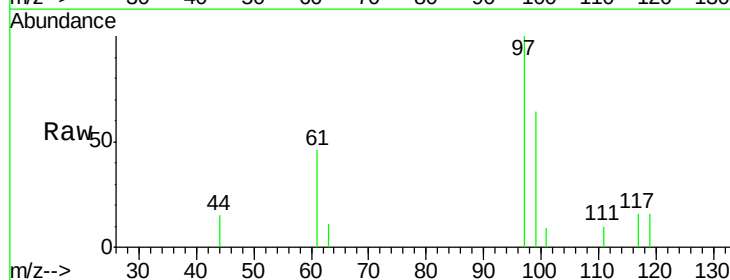
Tgt Ion: 97 Resp: 3216

Ion Ratio Lower Upper

97 100

99 62.2 51.3 76.9

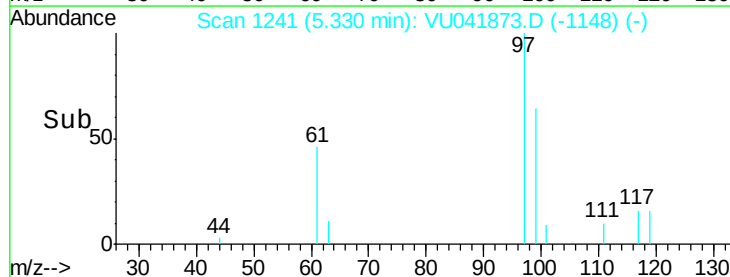
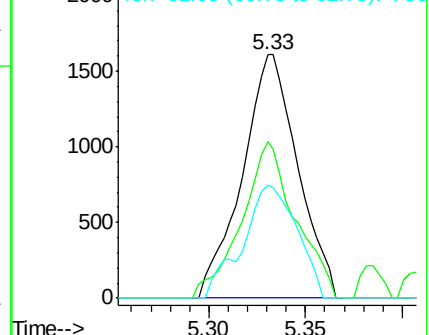
61 45.4 36.5 54.7

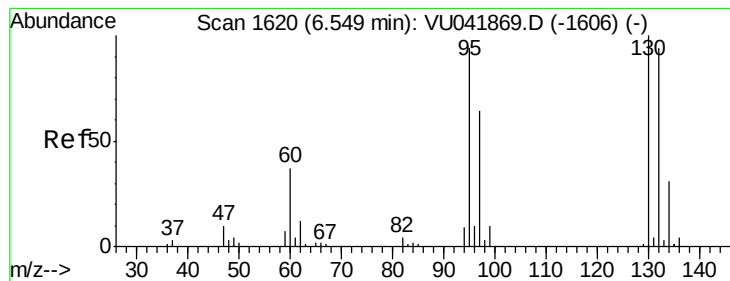


Abundance Ion 96.95 (96.65 to 97.65): VU041873.D (-1241) (-)

Ion 99.05 (98.75 to 99.75): VU041873.D (-1241) (-)

Ion 61.05 (60.75 to 61.75): VU041873.D (-1241) (-)





#34

Trichloroethene

Concen: 13.131 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

Instrument :

MSVOA_U

ClientSampled :

BFXK0

Tgt Ion: 95 Resp: 139430

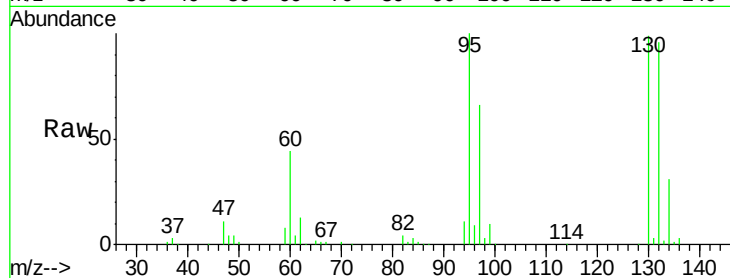
Ion Ratio Lower Upper

95 100

97 65.5 43.9 81.5

132 96.0 63.1 117.3

130 98.7 67.4 125.2

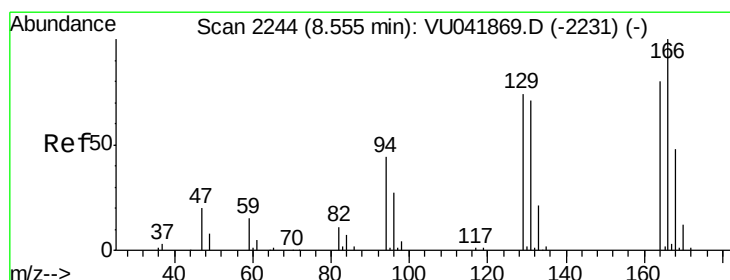
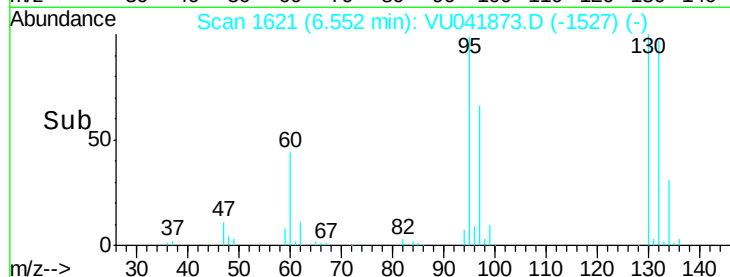
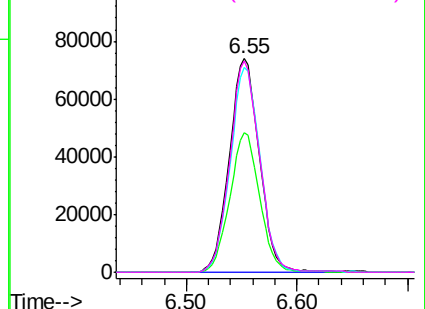


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 2.028 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU041873.D

Acq: 07 Jan 2021 15:29

Tgt Ion: 164 Resp: 15073

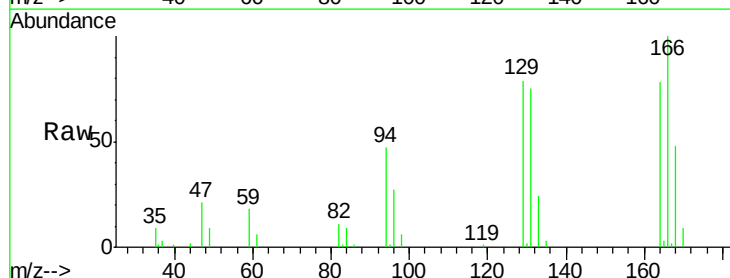
Ion Ratio Lower Upper

164 100

129 101.4 72.2 134.0

131 96.5 66.9 124.3

166 128.4 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

