

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111920\
 Data File : VU041333.D
 Acq On : 18 Nov 2020 23:46
 Operator : SY/MD
 Sample : L4790-17
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4418

Quant Time: Nov 19 02:08:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 19 00:50:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	64606	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	65655	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27140	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19333	4.07	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.40%
7) Chloroethane-d5	1.92	69	18156	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.58	63	33350	3.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	4.66	46	93830	47.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.78%
24) Chloroform-d	5.08	84	50063	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	31610	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
32) Benzene-d6	5.74	84	86136	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.70	67	30670	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.91	98	70514	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	8.19	79	11505	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	8.64	63	65217	46.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.02%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	26401	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	26545	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

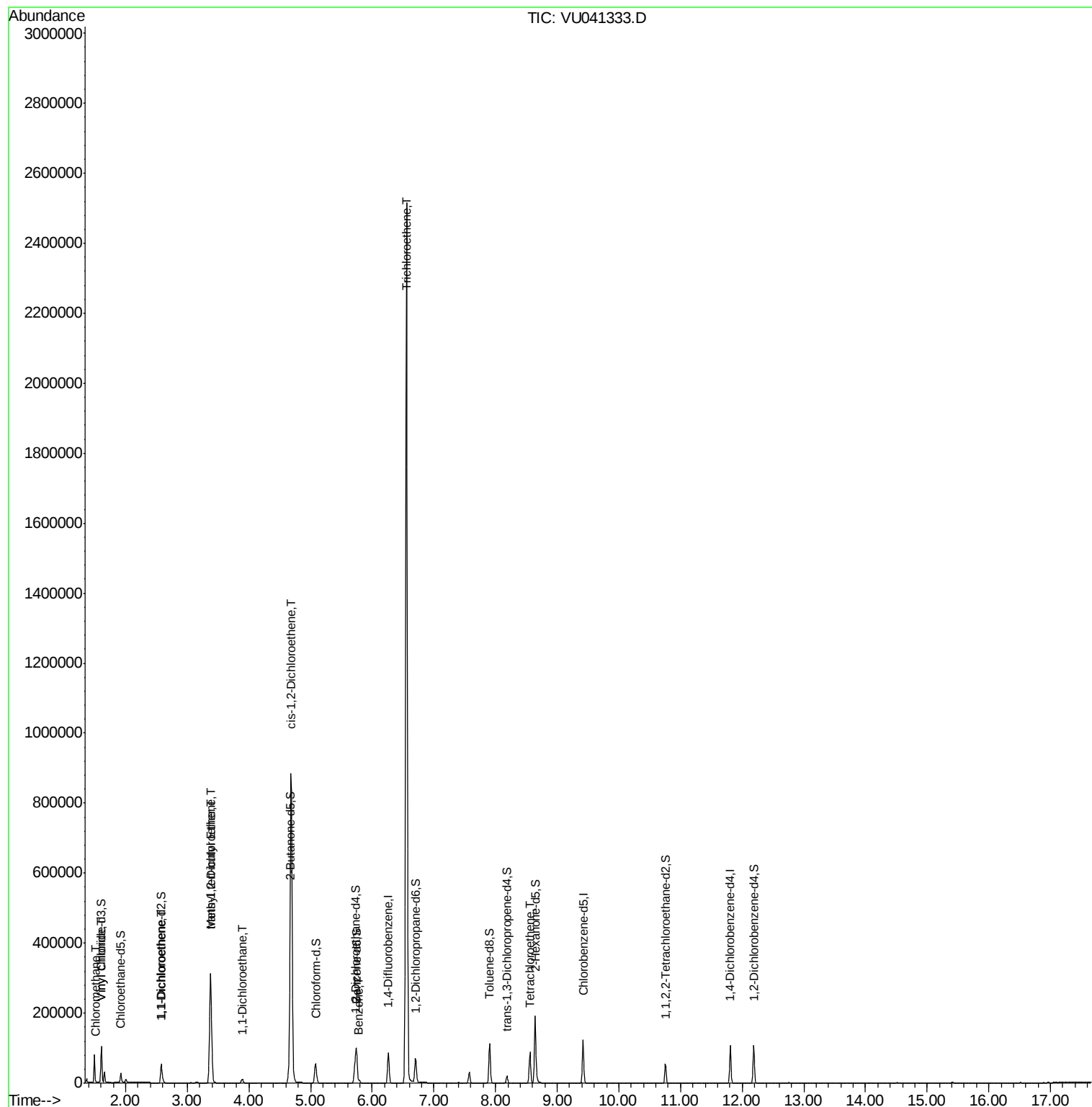
					Ovalue
3) Chloromethane	1.52	50	660	0.115	ug/L 98
5) Vinyl chloride	1.61	62	35439	6.319	ug/L 98
12) 1,1-Dichloroethene	2.59	96	2040	0.485	ug/L # 1
17) Methyl tert-butyl Ether	3.38	73	294097	25.544	ug/L 99
18) trans-1,2-Dichloroethene	3.37	96	20476	4.999	ug/L 100
19) 1,1-Dichloroethane	3.89	63	14188	1.549	ug/L 97
22) cis-1,2-Dichloroethene	4.69	96	417105	90.168	ug/L 99
33) Benzene	5.79	78	7193	0.404	ug/L 100
34) Trichloroethene	6.56	95	837138	174.090	ug/L 99
47) Tetrachloroethene	8.56	164	18408	5.181	ug/L 98

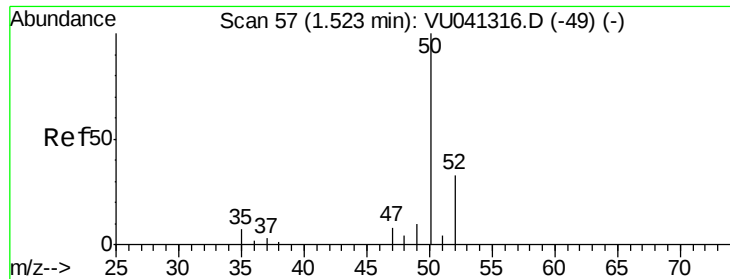
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.115 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_U

ClientSampleId :

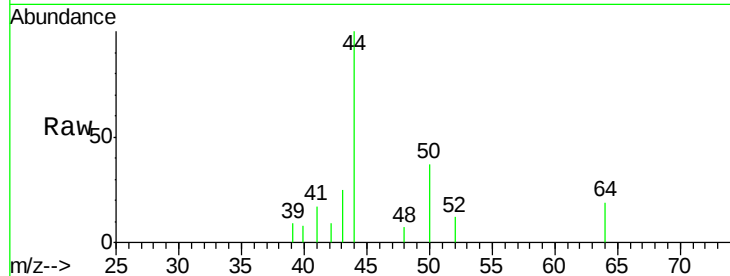
H4418

Tot Ion: 50 Resp: 660

Ion Ratio Lower Upper

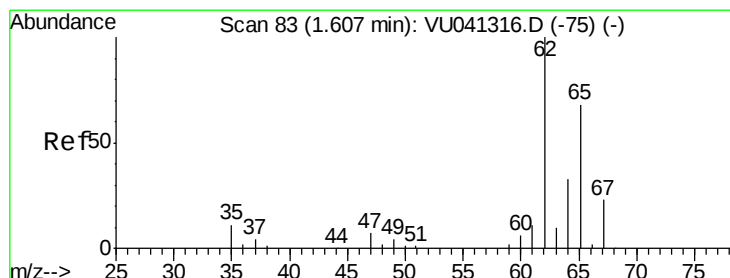
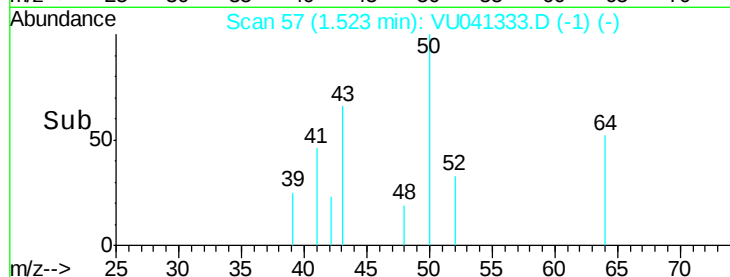
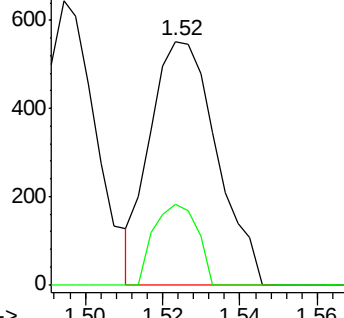
50 100

52 33.1 22.4 41.6



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#5

Vinyl chloride

Concen: 6.319 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041333.D

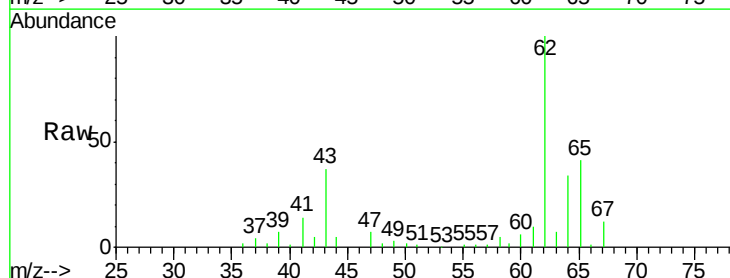
Acq: 18 Nov 2020 23:46

Tgt Ion: 62 Resp: 35439

Ion Ratio Lower Upper

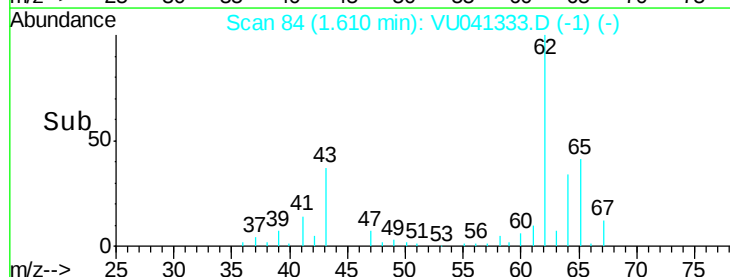
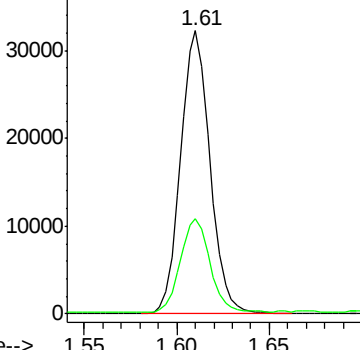
62 100

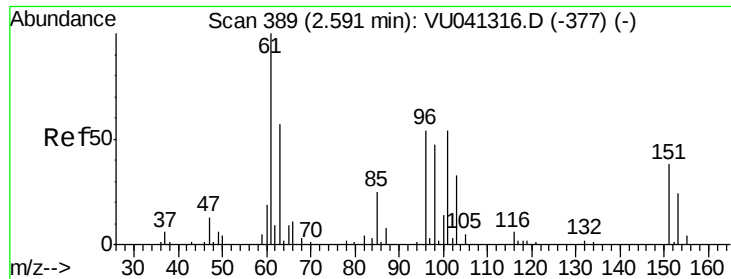
64 33.8 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#12

1,1-Dichloroethene

Concen: 0.485 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Instrument :

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ClientSampleId :

H4418

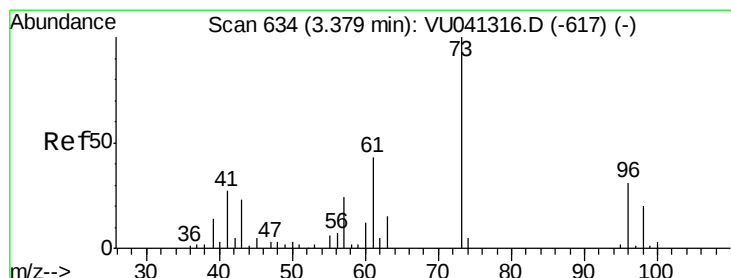
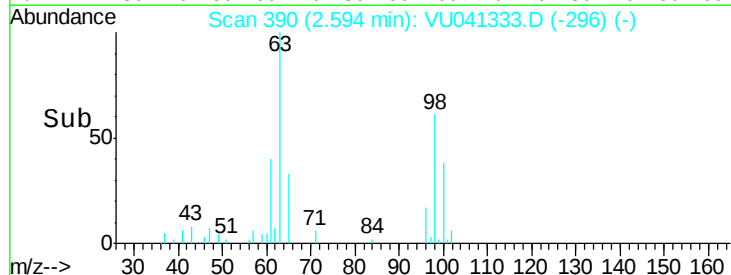
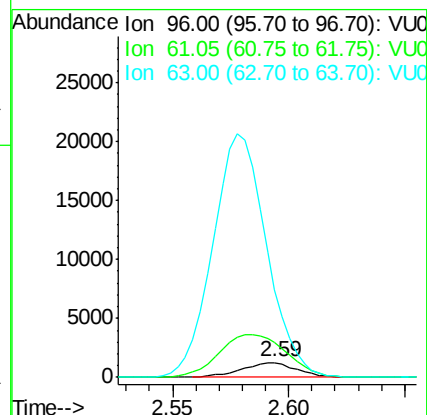
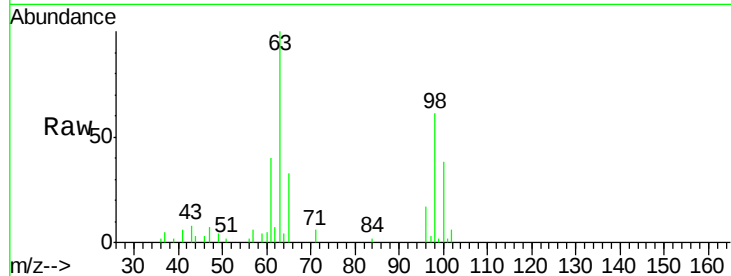
Tot Ion: 96 Resp: 2040

Ion Ratio Lower Upper

96 100

61 232.3 134.3 249.5

63 582.6 95.0 176.4#



#17

Methyl tert-butyl Ether

Concen: 25.544 ug/L

RT: 3.38 min Scan# 634

Delta R.T. -0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

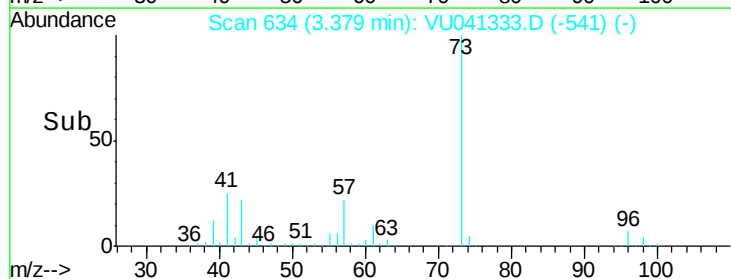
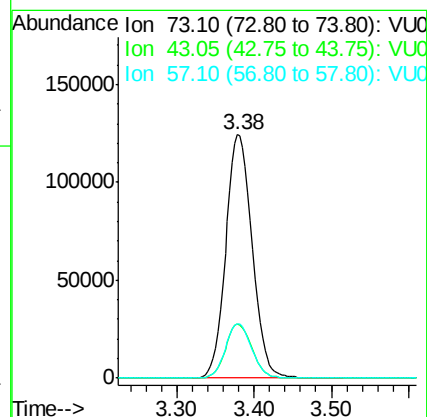
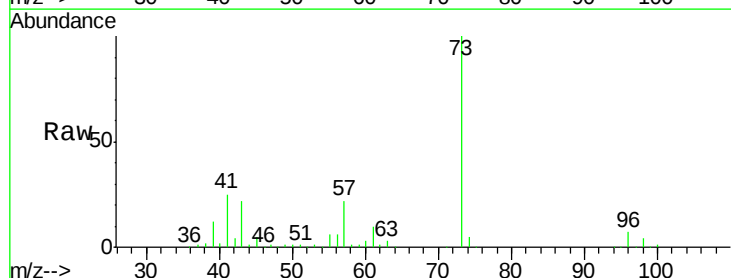
Tgt Ion: 73 Resp: 294097

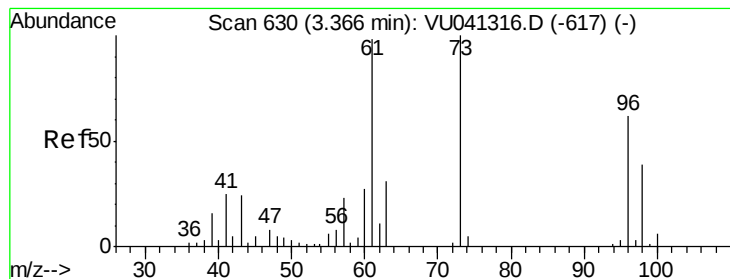
Ion Ratio Lower Upper

73 100

43 22.4 18.5 27.7

57 22.3 18.4 27.6





#18

trans-1,2-Dichloroethene

Concen: 4.999 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_U

ClientSampleId :

H4418

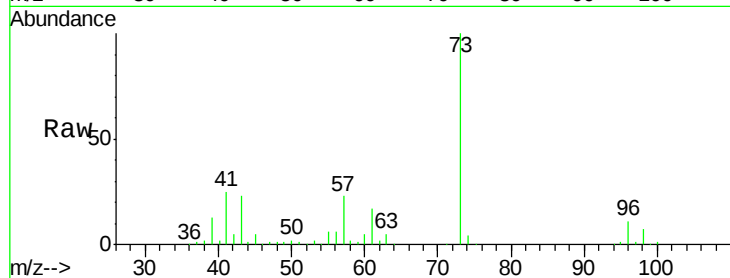
Tot Ion: 96 Resp: 20476

Ion Ratio Lower Upper

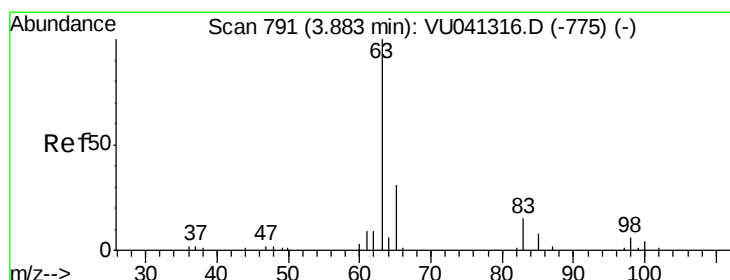
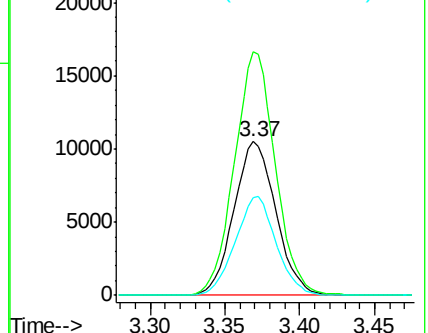
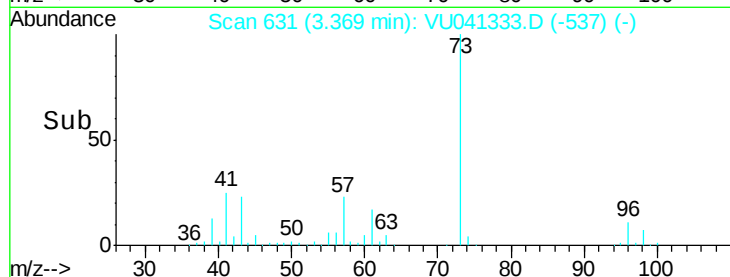
96 100

61 158.4 110.9 205.9

98 63.7 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU041333.D (-537) (-)



#19

1,1-Dichloroethane

Concen: 1.549 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

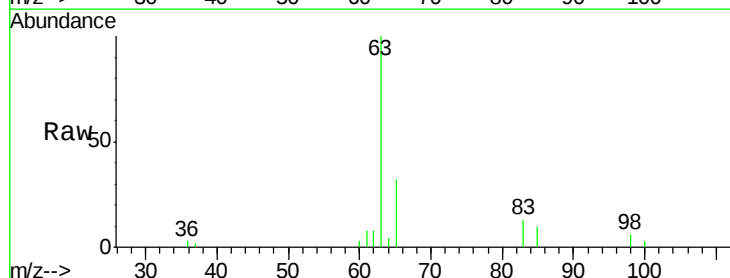
Tgt Ion: 63 Resp: 14188

Ion Ratio Lower Upper

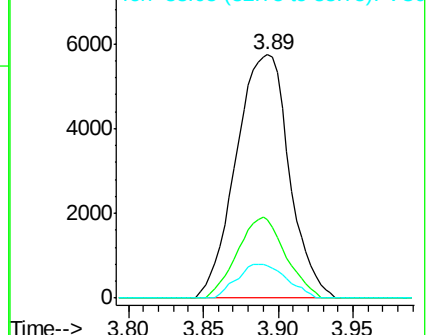
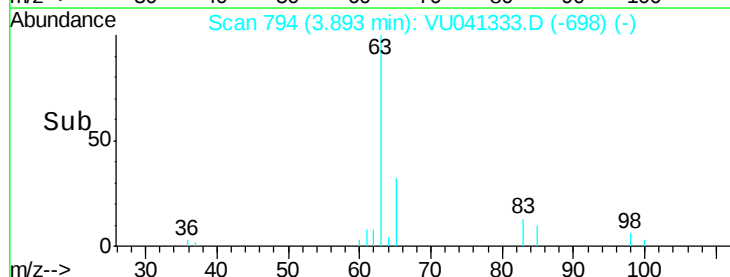
63 100

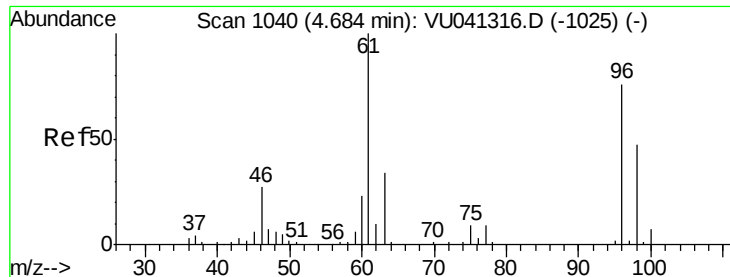
65 32.3 21.3 39.6

83 13.5 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041333.D (-698) (-)

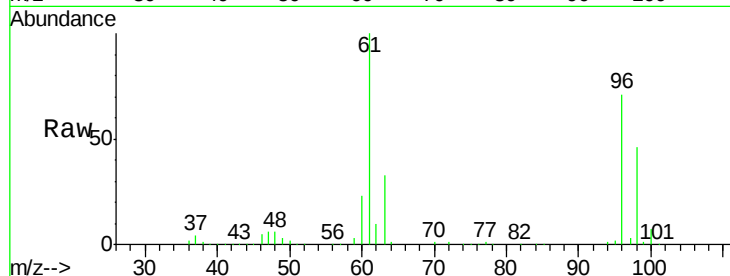




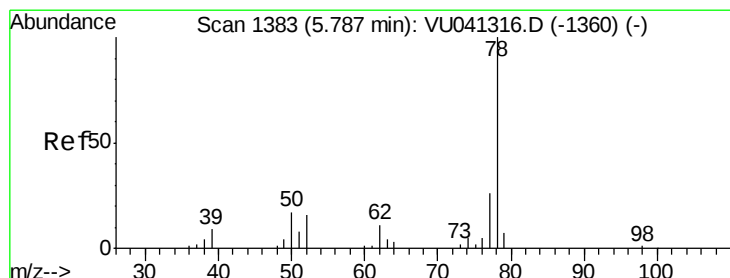
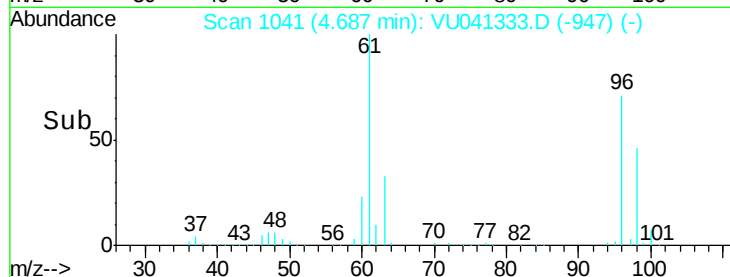
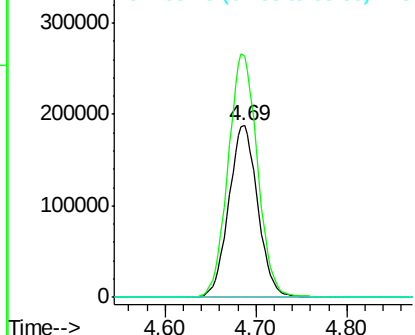
#22
 cis-1,2-Dichloroethene
 Concen: 90.168 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU041333.D
 Acq: 18 Nov 2020 23:46

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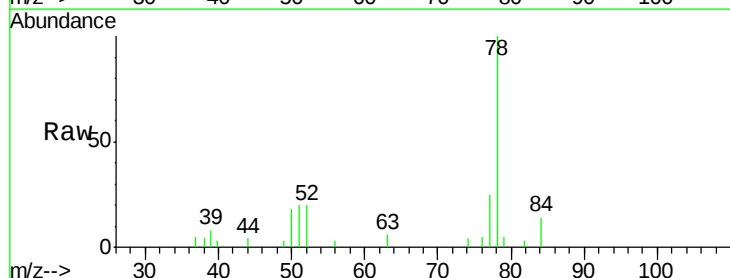
Tot Ion: 96 Resp: 417105
 Ion Ratio Lower Upper
 96 100
 61 140.2 97.2 180.4
 68 0.0 0.0 0.0



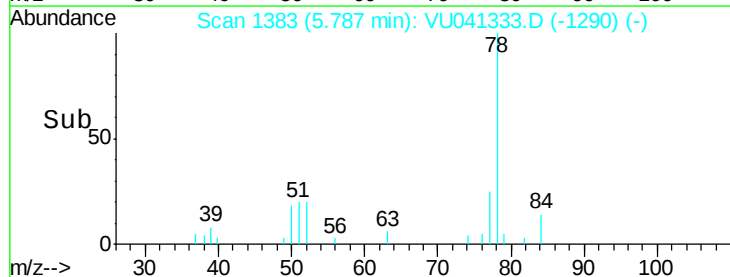
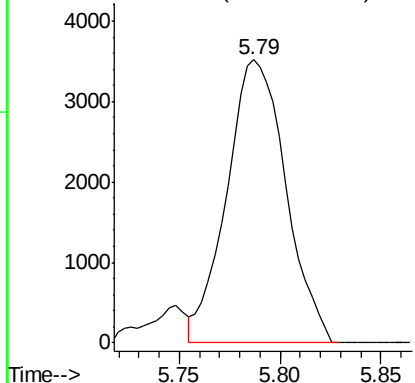
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

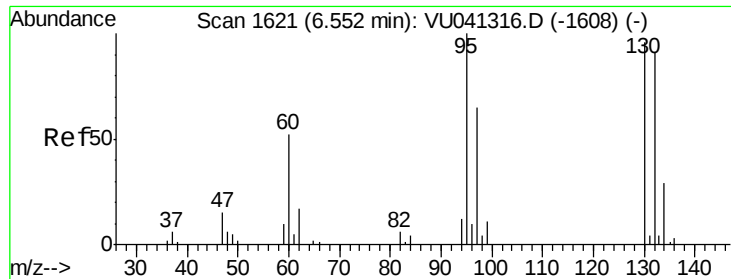


#33
 Benzene
 Concen: 0.404 ug/L
 RT: 5.79 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VU041333.D
 Acq: 18 Nov 2020 23:46
 Tgt Ion: 78 Resp: 7193



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 174.090 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Instrument :

MSVOA_U

ClientSampleId :

H4418

Tot Ion: 95 Resp: 837138

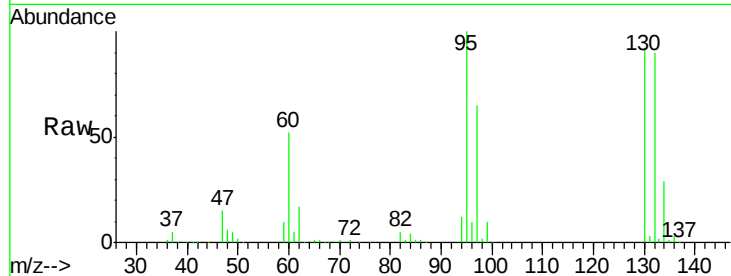
Ion Ratio Lower Upper

95 100

97 65.1 45.6 84.6

132 90.0 64.8 120.4

130 92.4 64.8 120.4

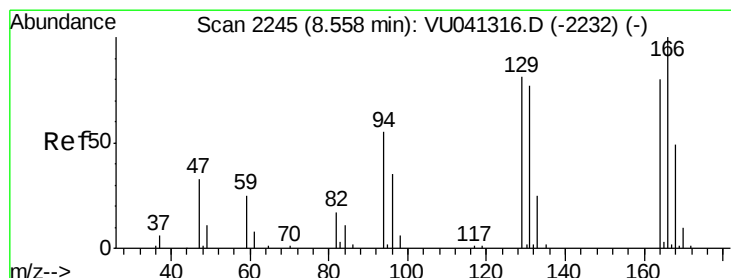
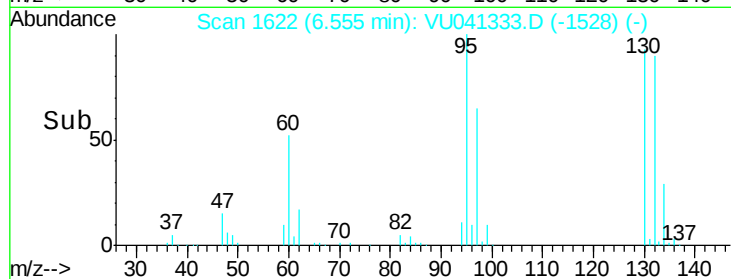
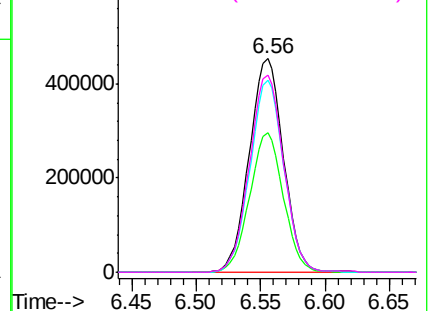


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.181 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VU041333.D

Acq: 18 Nov 2020 23:46

Tgt Ion:164 Resp: 18408

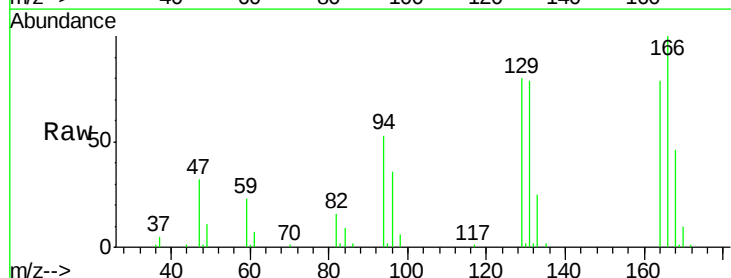
Ion Ratio Lower Upper

164 100

129 102.4 70.3 130.7

131 100.8 70.8 131.4

166 127.4 92.0 170.8



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

