

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111720\
 Data File : VU041298.D
 Acq On : 18 Nov 2020 00:14
 Operator : SY/MD
 Sample : L4759-03DL 5X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4415DL

Quant Time: Nov 18 00:57:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 18 00:06:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	65334	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	67060	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	27641	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22594	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.92	69	20755	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.58	63	36212	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.66	46	96161	48.53	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.06%
24) Chloroform-d	5.08	84	49792	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	32412	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.74	84	86520	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	6.70	67	30408	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	7.91	98	71123	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	8.19	79	11429	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	8.64	63	62893	43.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.82%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	27011	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	26506	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

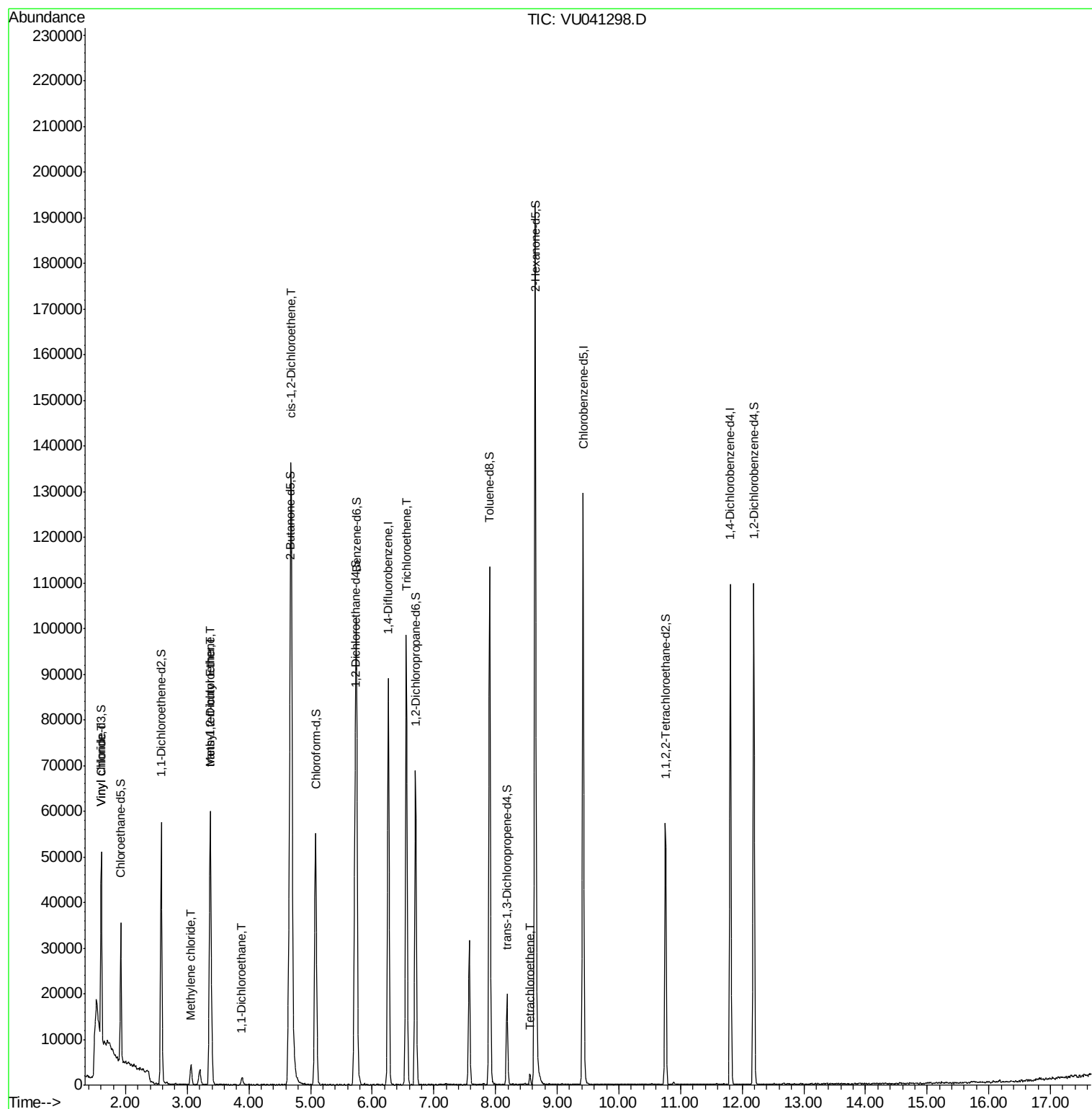
					Ovalue
5) Vinyl chloride	1.61	62	6531	1.151 ug/L	# 1
16) Methylene chloride	3.06	84	2084	0.391 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	24191	2.078 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	15621	3.771 ug/L	94
19) 1,1-Dichloroethane	3.89	63	2471	0.267 ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	52088	11.135 ug/L	98
34) Trichloroethene	6.56	95	32774	6.673 ug/L	99
47) Tetrachloroethene	8.55	164	402	0.111 ug/L	93

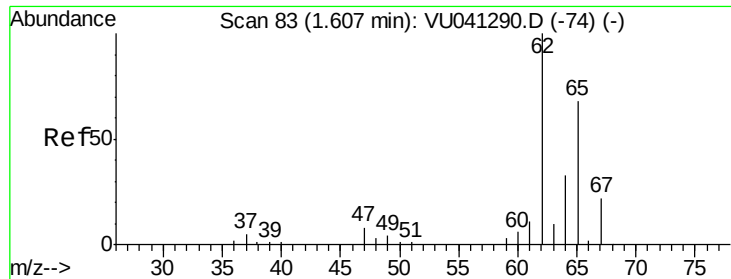
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.151 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

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Acq: 18 Nov 2020 00:14

Instrument :

MSVOA_U

ClientSampleID :

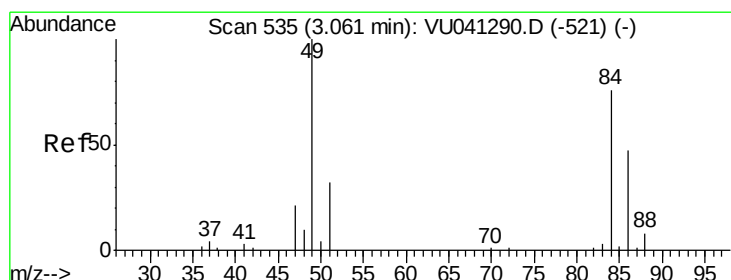
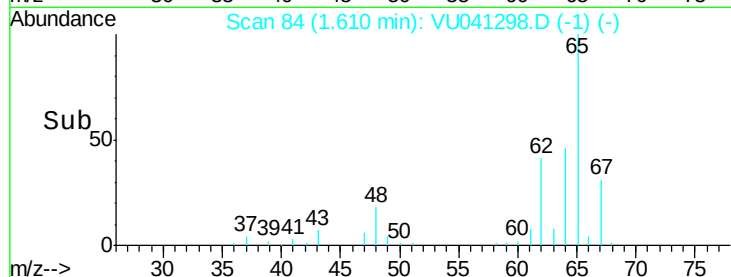
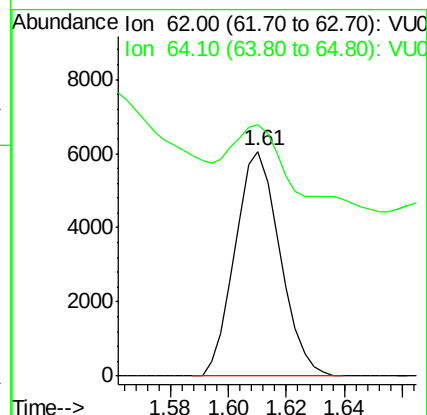
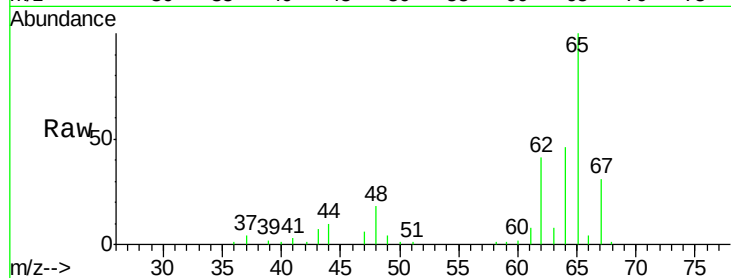
H4415DL

Tot Ion: 62 Resp: 6531

Ion Ratio Lower Upper

62 100

64 111.8 22.7 42.3#



#16

Methylene chloride

Concen: 0.391 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.00 min

Lab File: VU041298.D

Acq: 18 Nov 2020 00:14

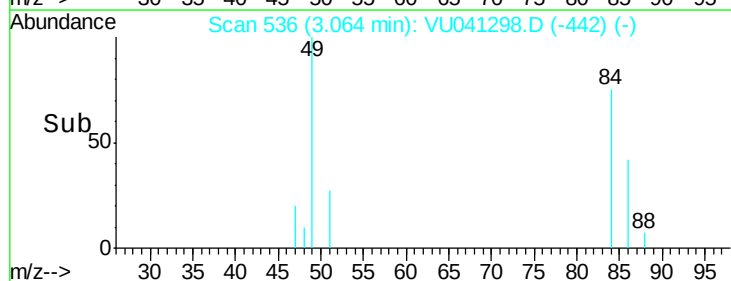
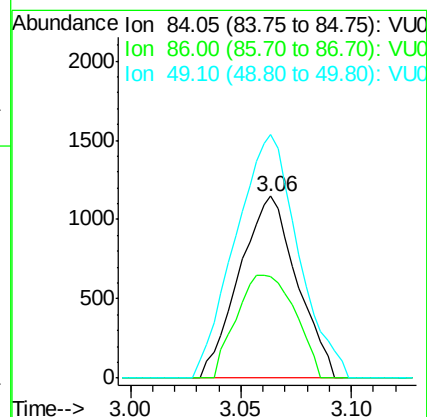
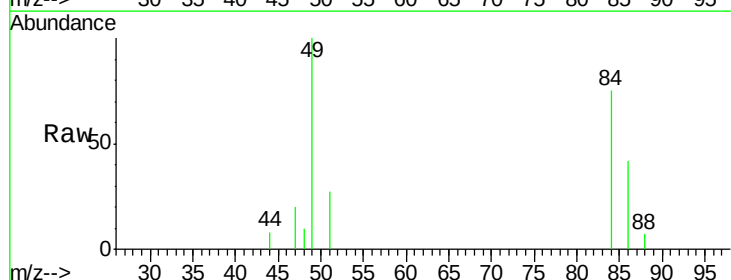
Tgt Ion: 84 Resp: 2084

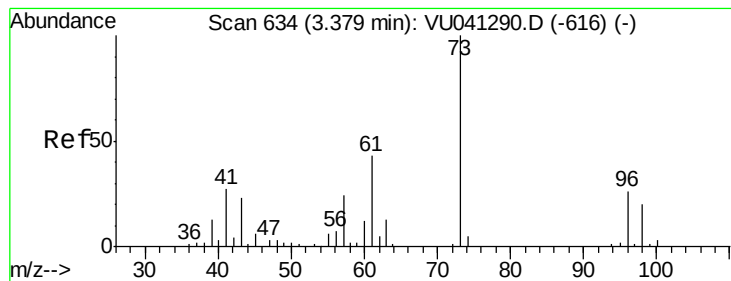
Ion Ratio Lower Upper

84 100

86 55.8 42.8 79.6

49 133.9 99.5 184.7



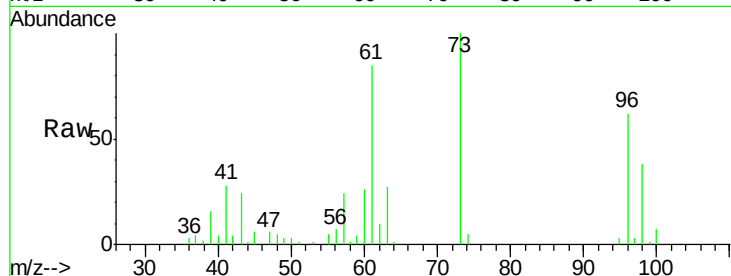


#17

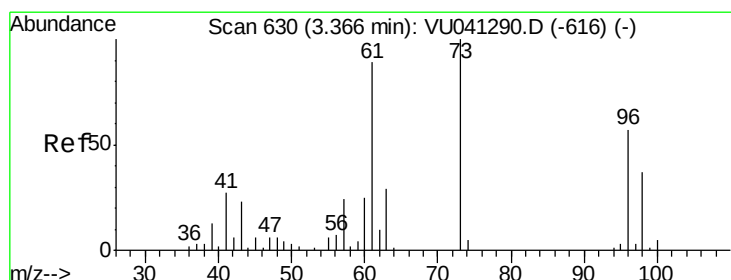
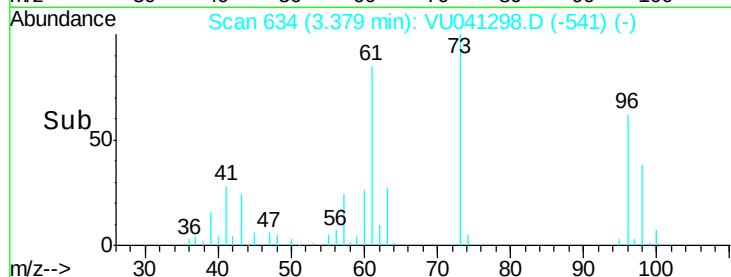
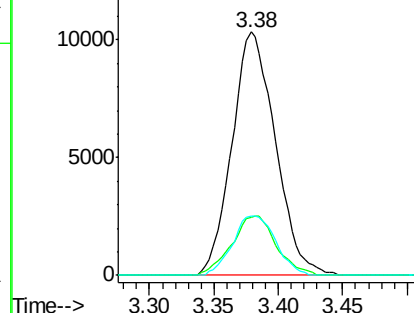
Methyl tert-butyl Ether
 Concen: 2.078 ug/L
 RT: 3.38 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VU041298.D
 Acq: 18 Nov 2020 00:14

Instrument :
 MSVOA_U
 ClientSampleId :
 H4415DL

Tot Ion: 73 Resp: 24191
 Ion Ratio Lower Upper
 73 100
 43 24.9 18.5 27.7
 57 24.1 18.4 27.6



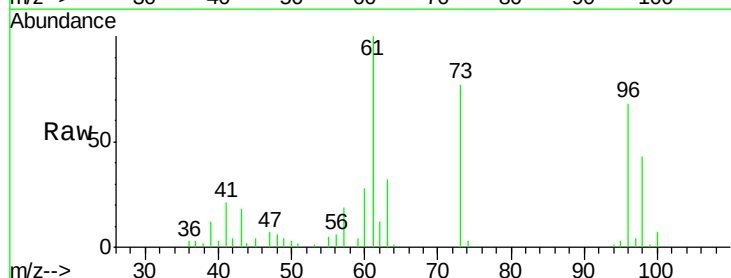
Abundance Ion 73.10 (72.80 to 73.80): VU0
 Ion 43.05 (42.75 to 43.75): VU0
 Ion 57.10 (56.80 to 57.80): VU0



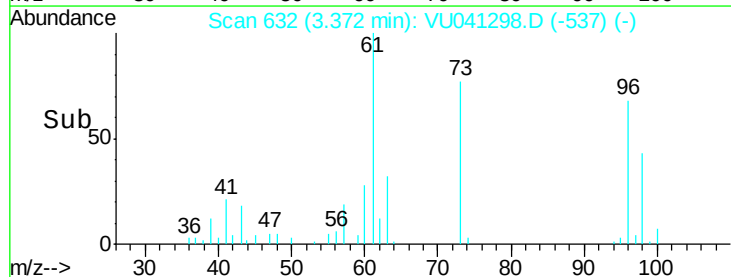
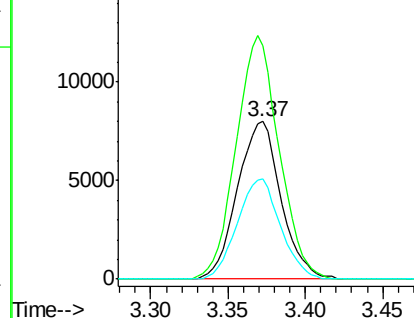
#18

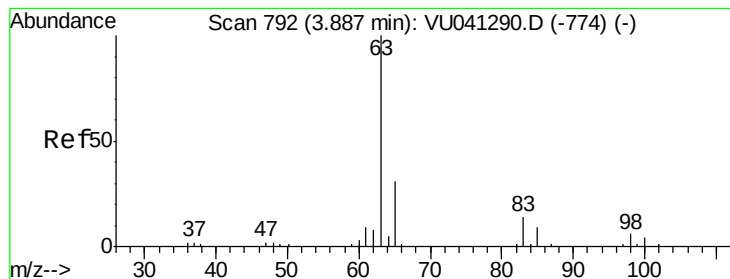
trans-1,2-Dichloroethene
 Concen: 3.771 ug/L
 RT: 3.37 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VU041298.D
 Acq: 18 Nov 2020 00:14

Tgt Ion: 96 Resp: 15621
 Ion Ratio Lower Upper
 96 100
 61 148.1 110.9 205.9
 98 63.3 45.4 84.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.267 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041298.D

Acq: 18 Nov 2020 00:14

Instrument :

MSVOA_U

ClientSampleId :

H4415DL

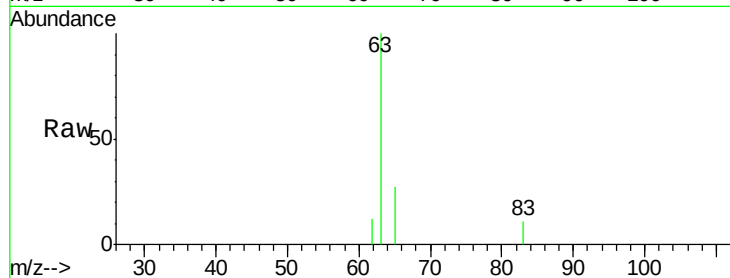
Tot Ion: 63 Resp: 2471

Ion Ratio Lower Upper

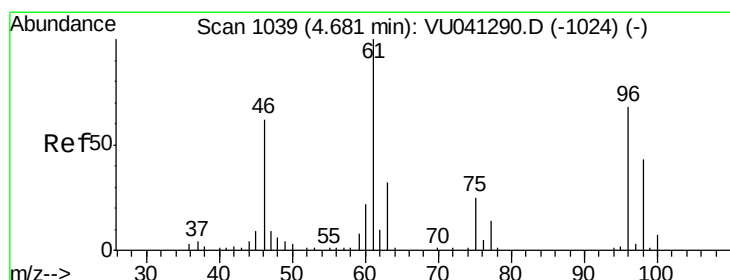
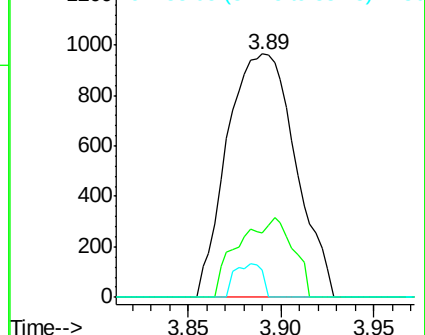
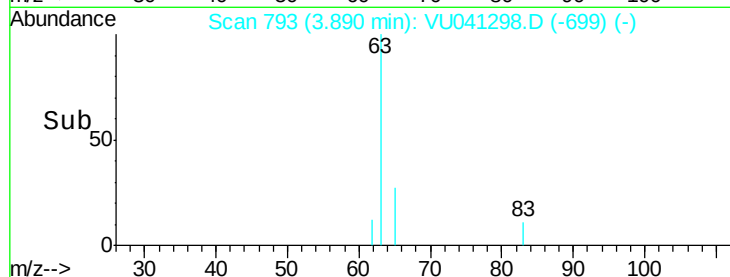
63 100

65 26.5 21.3 39.6

83 11.0 8.8 16.3



Abundance Ion 63.10 (62.80 to 63.80): VU041298.D (-699) (-)



#22

cis-1,2-Dichloroethene

Concen: 11.135 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU041298.D

Acq: 18 Nov 2020 00:14

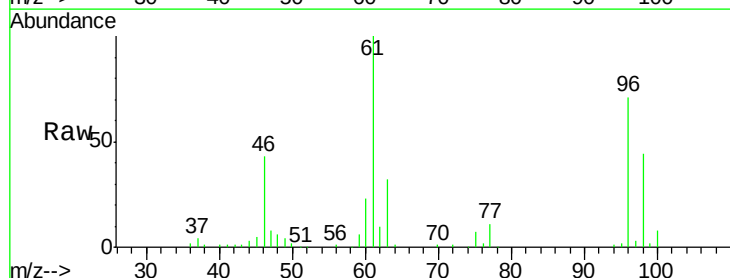
Tgt Ion: 96 Resp: 52088

Ion Ratio Lower Upper

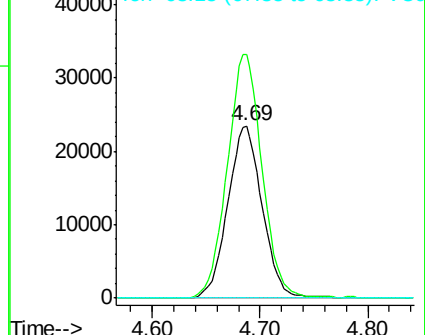
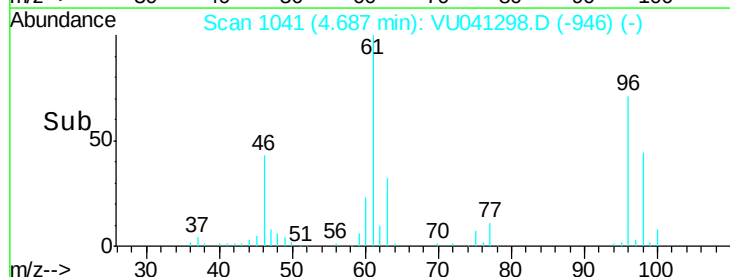
96 100

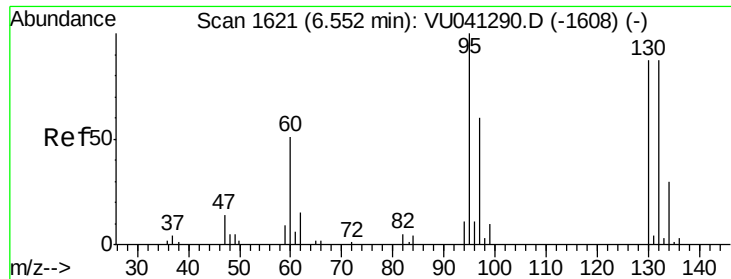
61 141.5 97.2 180.4

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041298.D (-946) (-)





#34

Trichloroethene

Concen: 6.673 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041298.D

Acq: 18 Nov 2020 00:14

Instrument :

MSVOA_U

ClientSampleId :

H4415DL

Tot Ion: 95 Resp: 32774

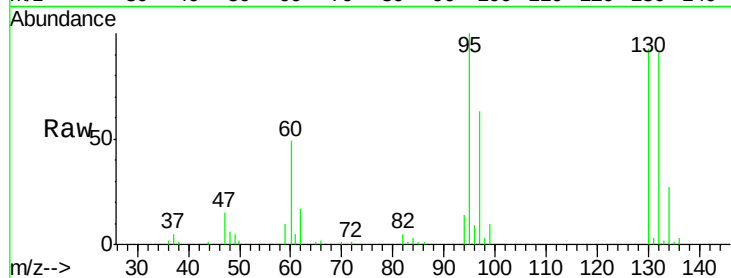
Ion Ratio Lower Upper

95 100

97 63.1 45.6 84.6

132 91.3 64.8 120.4

130 93.1 64.8 120.4

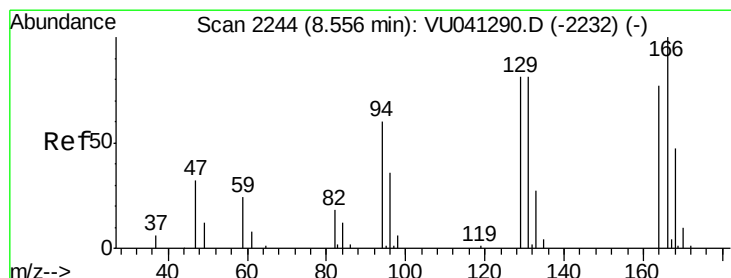
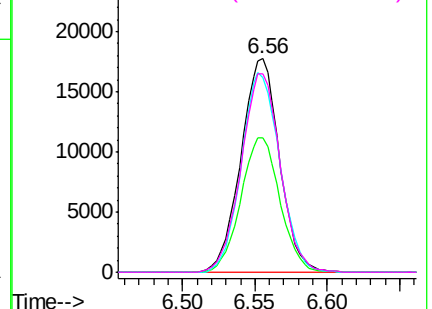
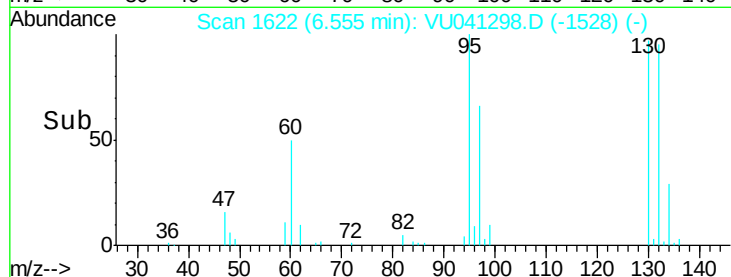


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.111 ug/L

RT: 8.55 min Scan# 2243

Delta R.T. -0.00 min

Lab File: VU041298.D

Acq: 18 Nov 2020 00:14

Tgt Ion: 164 Resp: 402

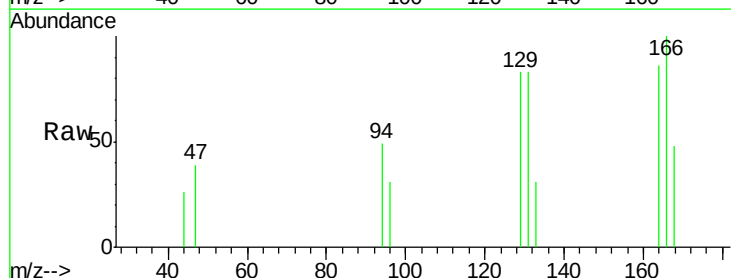
Ion Ratio Lower Upper

164 100

129 96.4 70.3 130.7

131 97.0 70.8 131.4

166 116.7 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

