

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101920\
 Data File : VU040829.D
 Acq On : 20 Oct 2020 01:23
 Operator : SY/MD
 Sample : L4420-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAL0

Quant Time: Oct 20 06:24:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 05:12:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	108178	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112863	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	43887	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	25872	2.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.80%
7) Chloroethane-d5	1.93	69	28538	4.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.60%
11) 1,1-Dichloroethene-d2	2.58	63	44715	2.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.00%#
20) 2-Butanone-d5	4.66	46	168581	58.77	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.54%
24) Chloroform-d	5.08	84	78139	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.72	65	48629	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.75	84	127430	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.70	67	47118	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.20%
41) Toluene-d8	7.91	98	92993	3.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.20%#
43) trans-1,3-Dichloropropene-	8.19	79	17426	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.64	63	111073	50.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47322	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.40%
64) 1,2-Dichlorobenzene-d4	12.19	152	43099	5.30	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.00%

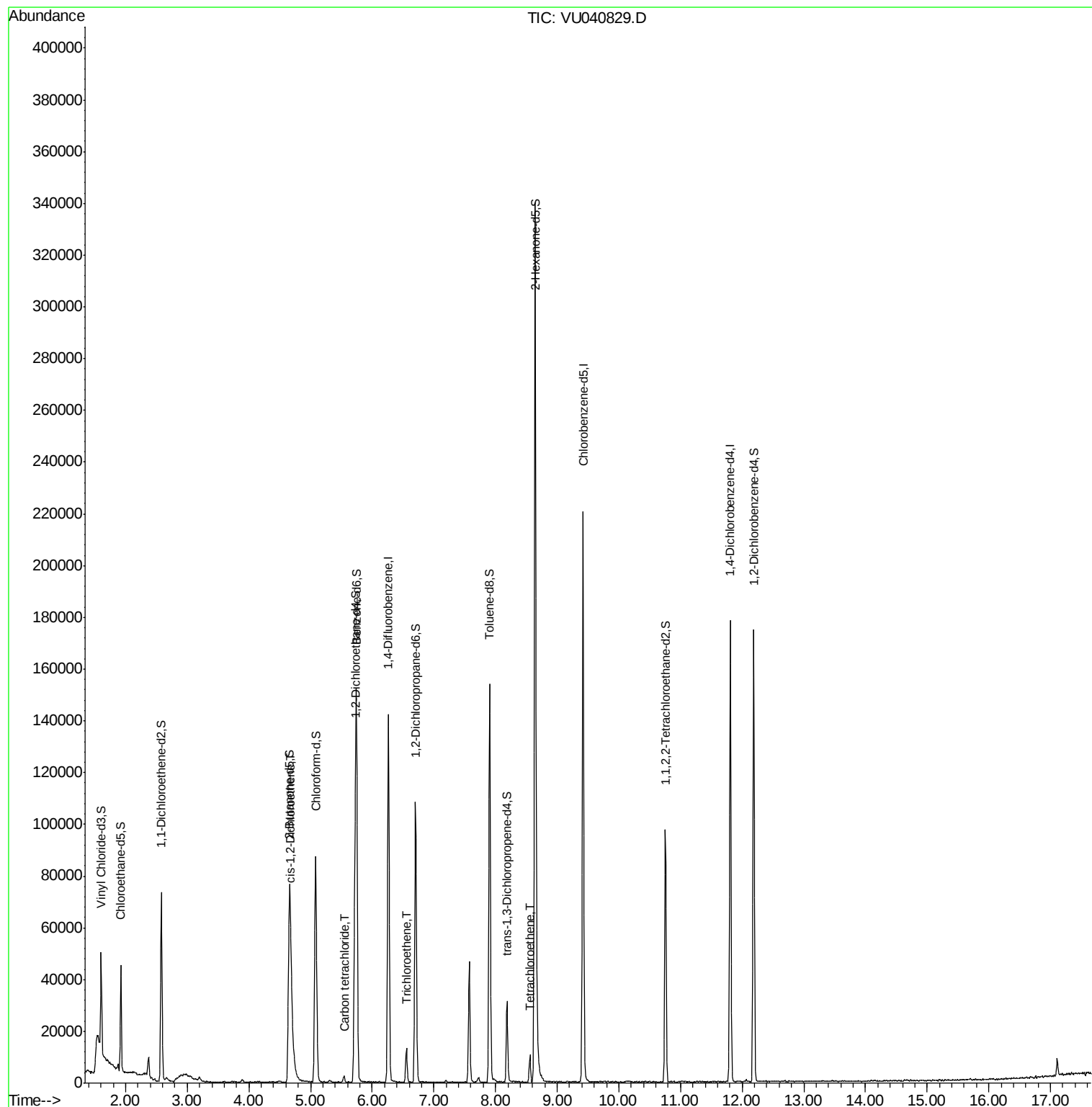
Target Compounds					Ovalue
22) cis-1,2-Dichloroethene	4.69	96	1799	0.206 ug/L	88
31) Carbon tetrachloride	5.55	117	1449	0.112 ug/L	91
34) Trichloroethene	6.56	95	4249	0.452 ug/L	90
47) Tetrachloroethene	8.56	164	2104	0.314 ug/L	98

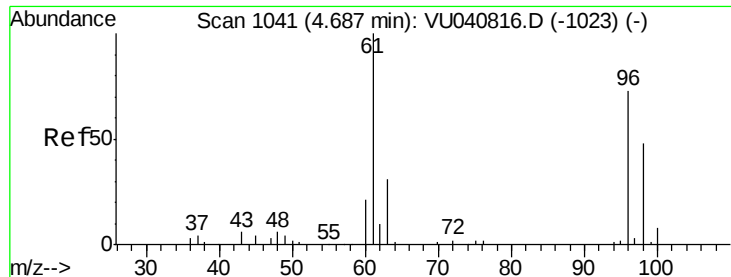
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#22

cis-1,2-Dichloroethene

Concen: 0.206 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

C0AL0

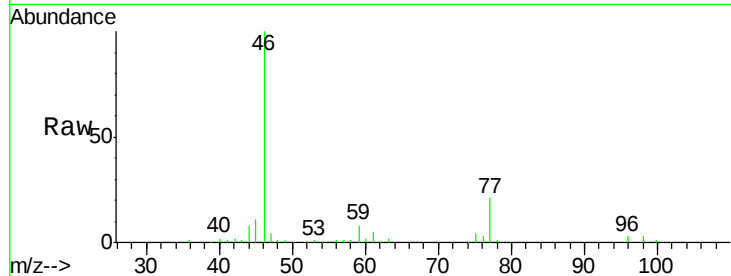
Tot Ion: 96 Resp: 1799

Ion Ratio Lower Upper

96 100

61 157.0 99.8 185.4

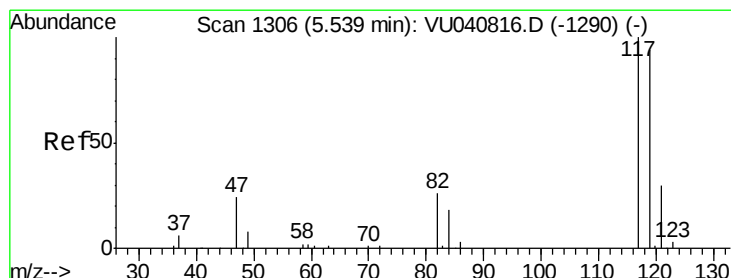
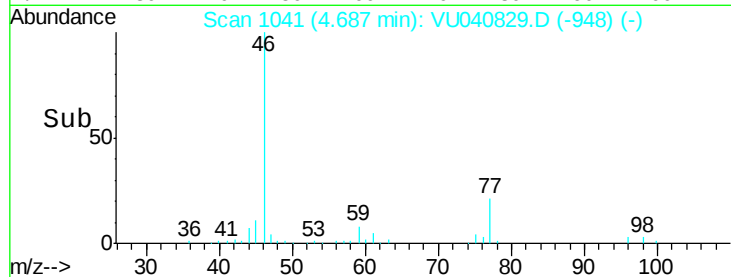
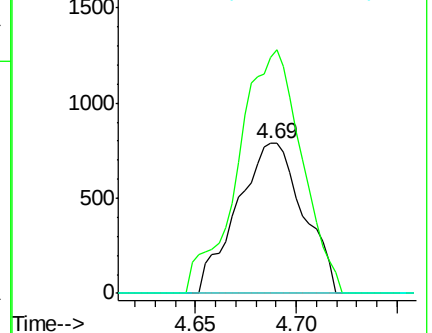
68 0.0 0.0 0.0



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



#31

Carbon tetrachloride

Concen: 0.112 ug/L

RT: 5.55 min Scan# 1308

Delta R.T. 0.01 min

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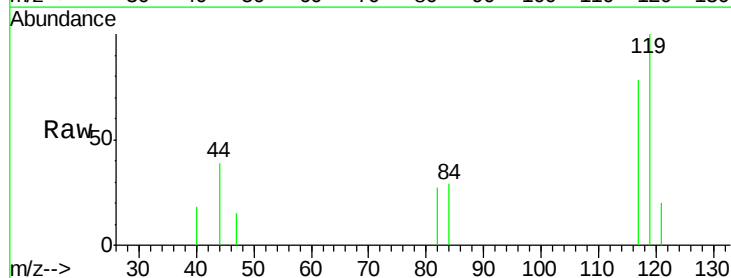
Acq: 20 Oct 2020 01:23

Tgt Ion: 117 Resp: 1449

Ion Ratio Lower Upper

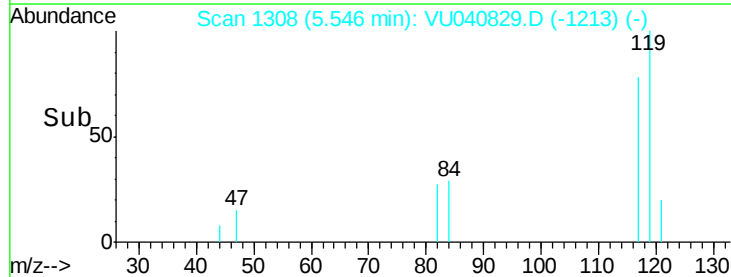
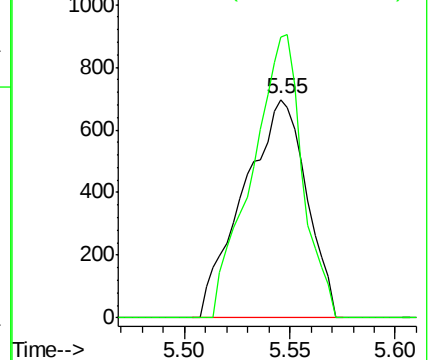
117 100

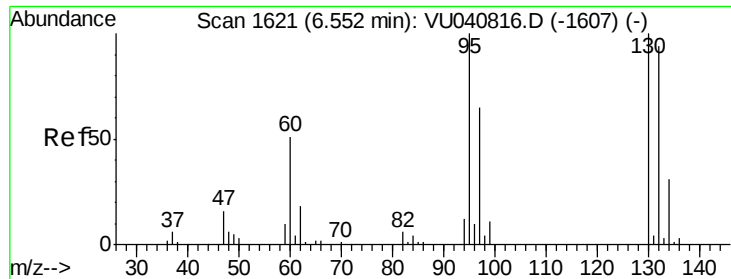
119 103.7 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

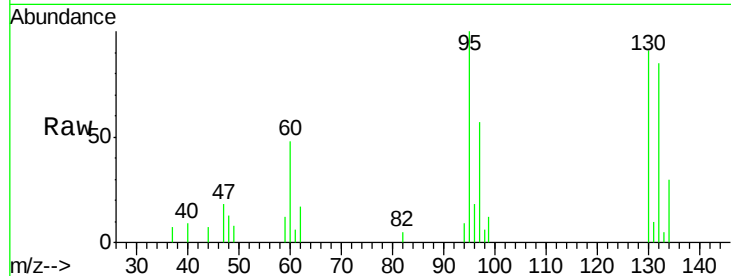




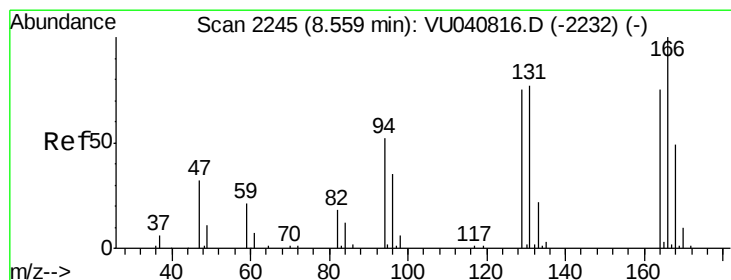
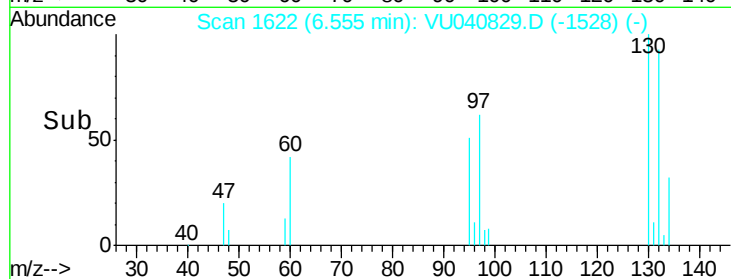
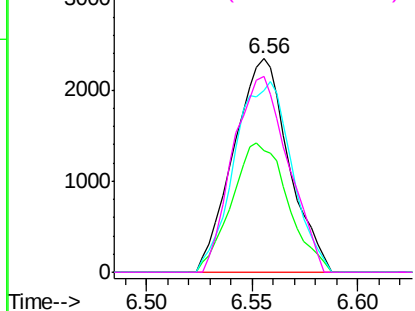
#34
 Trichloroethene
 Concen: 0.452 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU040829.D
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Tot Ion: 95 Resp: 4249
 Ion Ratio Lower Upper
 95 100
 97 57.0 45.5 84.5
 132 85.3 67.5 125.4
 130 91.4 69.9 129.9



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: 0.314 ug/L
 RT: 8.56 min Scan# 2246
 Delta R.T. 0.00 min
 Lab File: VU040829.D
 Acq: 20 Oct 2020 01:23

Tgt Ion: 164 Resp: 2104
 Ion Ratio Lower Upper
 164 100
 129 101.4 68.8 127.8
 131 95.4 66.7 123.9
 166 122.5 83.9 155.7

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

