

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050120\
 Data File : VU037989.D
 Acq On : 01 May 2020 15:07
 Operator : JC/MD
 Sample : L2471-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0Y19

Manual Integrations
 APPROVED

sam
 5/4/2020 2:15:41 PM

Quant Time: May 04 14:41:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 02 00:09:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	691118	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	675714	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	303818	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	263748	43.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.78%
7) Chloroethane-d5	1.93	69	222211	44.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.88%
11) 1,1-Dichloroethene-d2	2.59	63	327160m	32.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.80%
21) 2-Butanone-d5	4.66	46	381966	80.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.39%
24) Chloroform-d	5.10	84	400242	42.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.04%
26) 1,2-Dichloroethane-d4	5.74	65	304608	46.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.16%
32) Benzene-d6	5.76	84	923560	46.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.74%
36) 1,2-Dichloropropane-d6	6.72	67	308880	46.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.54%
41) Toluene-d8	7.92	98	829891	45.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.84%
43) trans-1,3-Dichloropropene-	8.20	79	136706	44.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.30%
47) 2-Hexanone-d5	8.65	63	282113	98.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.23%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	420151	44.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.30%
64) 1,2-Dichlorobenzene-d4	12.20	152	292482	46.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.08%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	2.16	101	27297	3.793 ug/L	98
20) cis-1,2-Dichloroethene	4.71	96	8122	1.503 ug/L	91
34) Trichloroethene	6.57	95	162205	31.667 ug/L	99
46) Tetrachloroethene	8.57	164	71413	19.096 ug/L	97

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

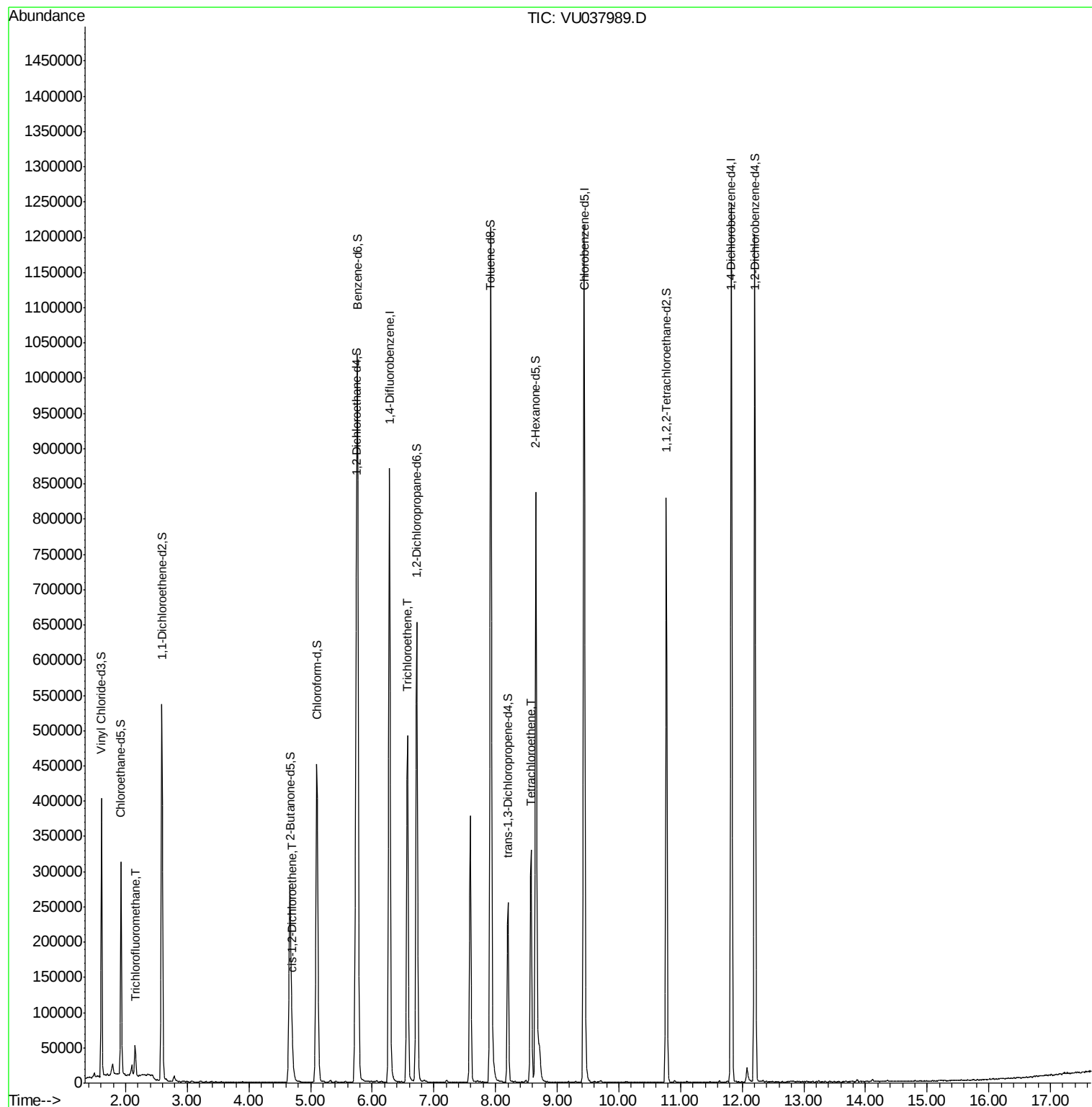
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU050120\
Data File : VU037989.D
Acq On : 01 May 2020 15:07
Operator : JC/MD
Sample : L2471-06
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

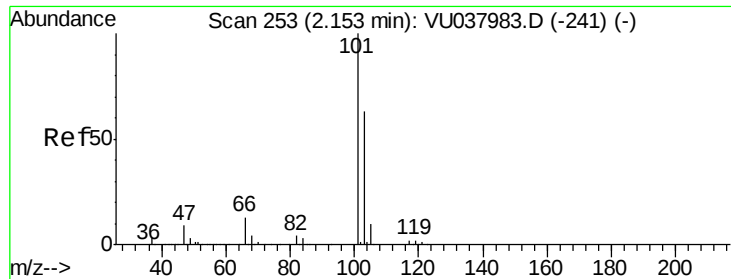
Instrument :
MSVOA_U
ClientSampleId :
C0Y19

Manual Integrations
APPROVED

sam
5/4/2020 2:15:41 PM

Quant Time: May 04 14:41:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
Quant Title : VOC Analysis
QLast Update : Sat May 02 00:09:57 2020
Response via : Initial Calibration





#9

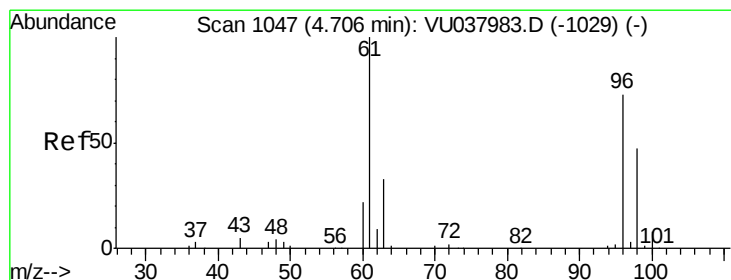
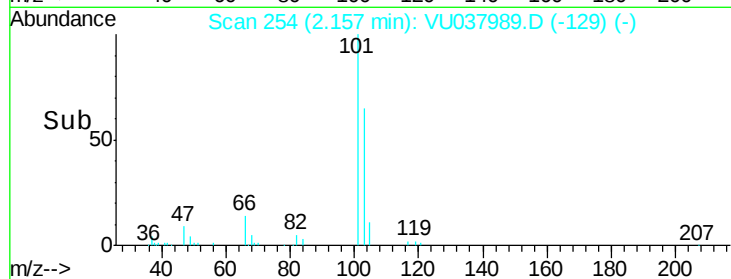
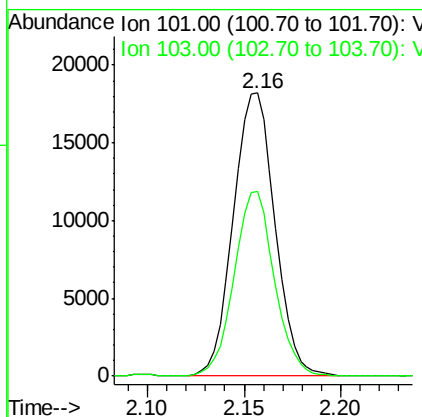
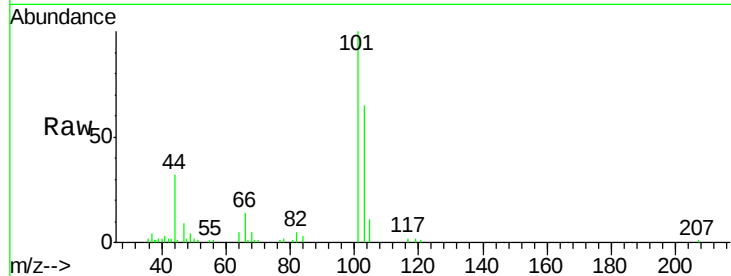
Trichlorofluoromethane
 Concen: 3.793 ug/L
 RT: 2.16 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VU037989.D
 Acq: 01 May 2020 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 C0Y19

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	51.4	77.0

Manual Integrations
 APPROVED

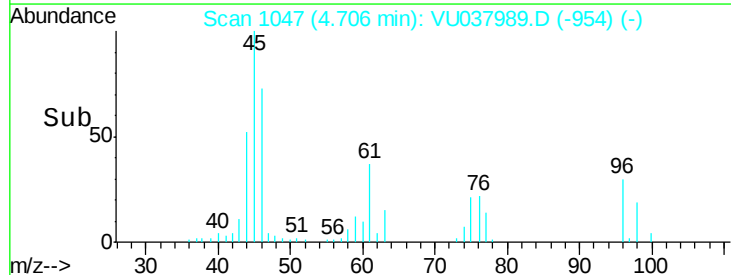
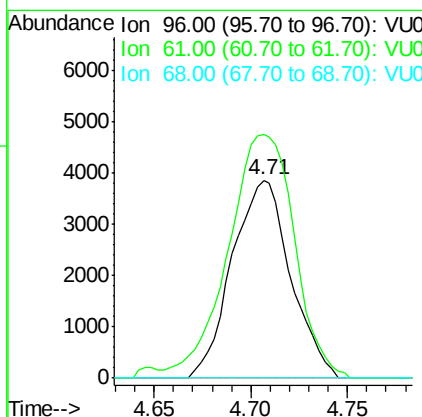
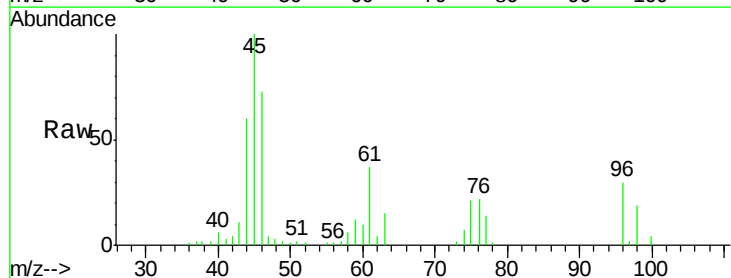
sam
 5/4/2020 2:15:41 PM

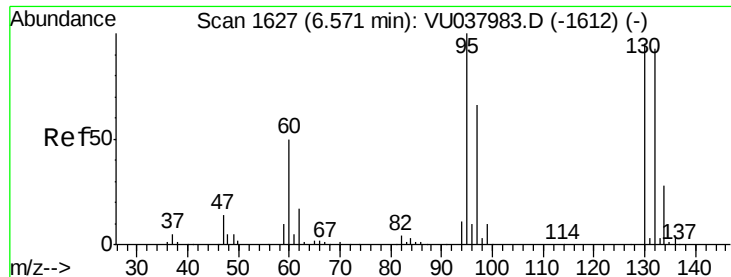


#20

cis-1,2-Dichloroethene
 Concen: 1.503 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: VU037989.D
 Acq: 01 May 2020 15:07

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.1	93.9	174.3
68	0.0	0.0	0.0





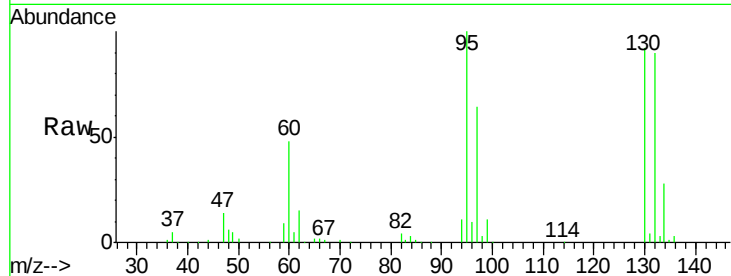
#34
 Trichloroethene
 Concen: 31.667 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU037989.D
 Acq: 01 May 2020 15:07

Instrument :
 MSVOA_U
 ClientSampleId :
 C0Y19

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		162205		
97	63.9	44.9	83.5		
132	90.1	63.2	117.4		
130	92.3	65.9	122.3		

Manual Integrations
 APPROVED

sam
 5/4/2020 2:15:41 PM



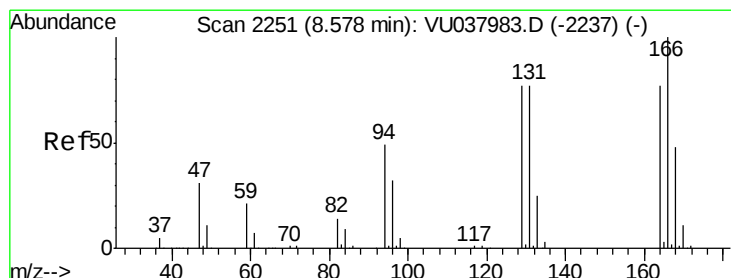
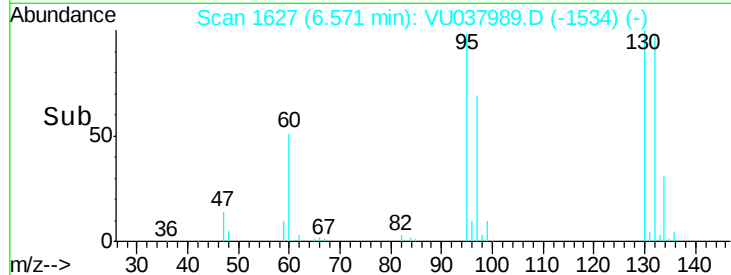
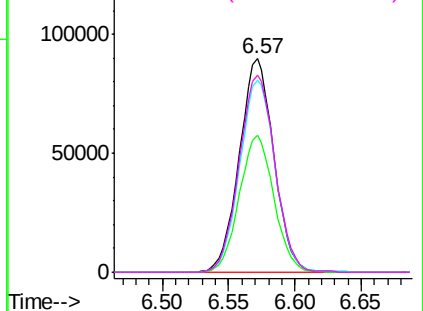
Abundance

Ion 95.00 (94.70 to 95.70): VU037989.D (-1612) (-)

Ion 97.00 (96.70 to 97.70): VU037989.D (-1612) (-)

Ion 132.00 (131.70 to 132.70): VU037989.D (-1612) (-)

Ion 130.00 (129.70 to 130.70): VU037989.D (-1612) (-)



#46
 Tetrachloroethene
 Concen: 19.096 ug/L
 RT: 8.57 min Scan# 2250
 Delta R.T. -0.00 min
 Lab File: VU037989.D
 Acq: 01 May 2020 15:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		71413		
129	96.8	68.4	127.0		
131	97.7	65.7	122.1		
166	127.7	86.7	161.1		

Abundance

Ion 164.00 (163.70 to 164.70): VU037989.D (-2237) (-)

Ion 129.00 (128.70 to 129.70): VU037989.D (-2237) (-)

Ion 131.00 (130.70 to 131.70): VU037989.D (-2237) (-)

Ion 166.00 (165.70 to 166.70): VU037989.D (-2237) (-)

