

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010920\
 Data File : VU036422.D
 Acq On : 09 Jan 2020 16:37
 Operator : JC/MD
 Sample : L1042-12DL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRA9DL

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:43:09 AM

Quant Time: Jan 10 04:42:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 10 04:07:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	467767	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	452371	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	164007	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	124550	34.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.34%
7) Chloroethane-d5	1.93	69	117727	38.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.58%
11) 1,1-Dichloroethene-d2	2.59	63	198816m	32.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.04%
21) 2-Butanone-d5	4.68	46	256057	94.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.34%
24) Chloroform-d	5.11	84	294326	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
26) 1,2-Dichloroethane-d4	5.75	65	202630	48.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.08%
32) Benzene-d6	5.77	84	582347	46.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.48%
36) 1,2-Dichloropropane-d6	6.73	67	194877	46.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.28%
41) Toluene-d8	7.93	98	531355	43.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.90%
43) trans-1,3-Dichloropropene-	8.21	79	100419	43.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.62%
47) 2-Hexanone-d5	8.67	63	181962	83.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.53%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	280558	43.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	159608	46.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.78%

Target Compounds

					Ovalue
18) Methyl tert-butyl Ether	3.41	73	33237	3.131 ug/L	99
20) cis-1,2-Dichloroethene	4.72	96	4092	1.158 ug/L #	99
34) Trichloroethene	6.58	95	6397	1.867 ug/L	91
46) Tetrachloroethene	8.58	164	120648	48.945 ug/L	98

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

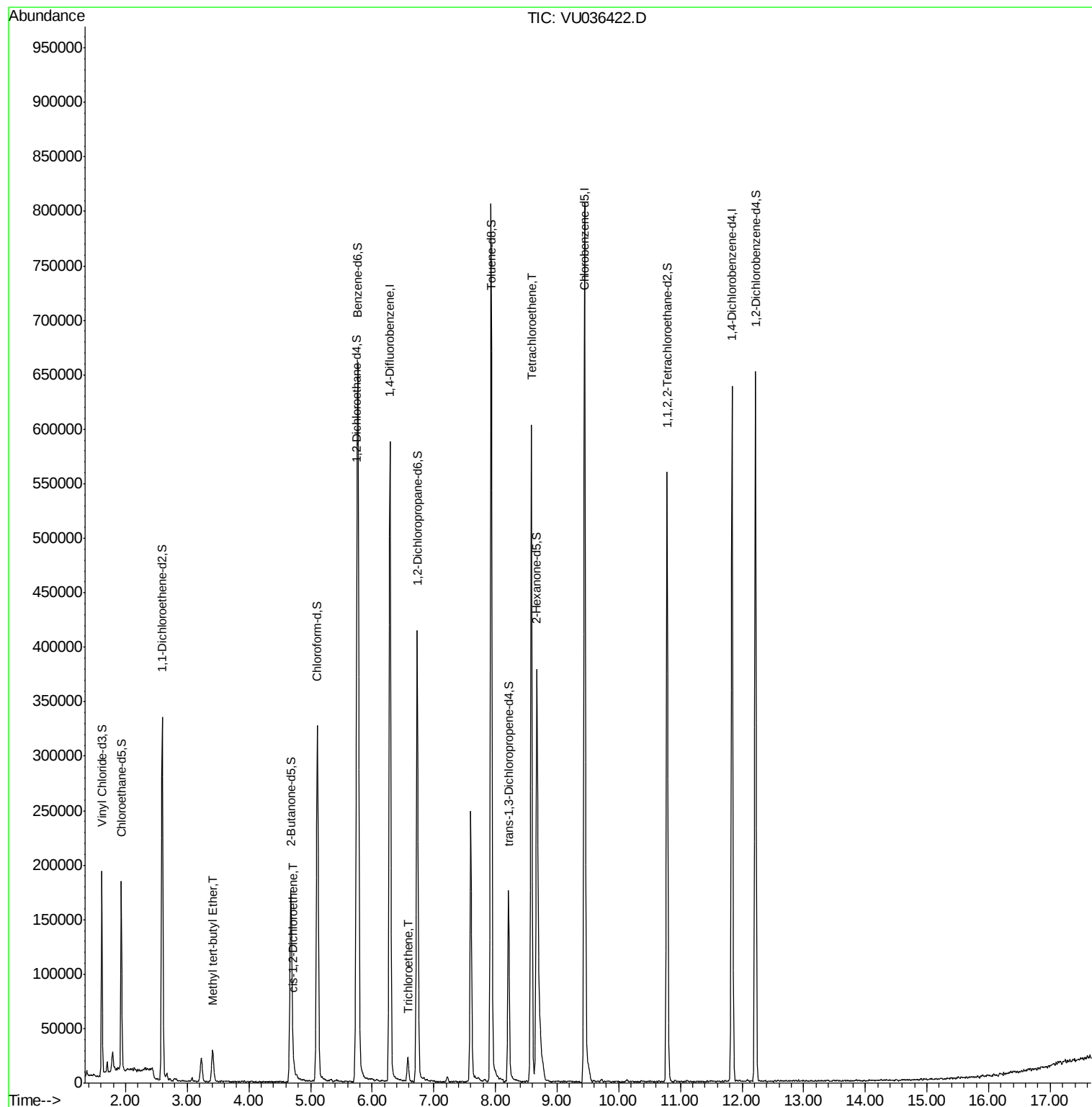
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU010920\
Data File : VU036422.D
Acq On : 09 Jan 2020 16:37
Operator : JC/MD
Sample : L1042-12DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

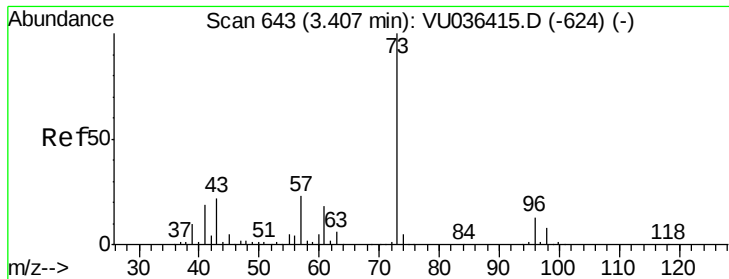
Instrument :
MSVOA_U
ClientSampleId :
BFRA9DL

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:43:09 AM

Quant Time: Jan 10 04:42:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jan 10 04:07:29 2020
Response via : Initial Calibration





#18

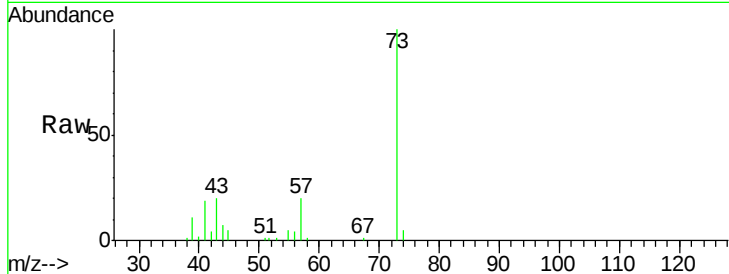
Methyl tert-butyl Ether
 Concen: 3.131 ug/L
 RT: 3.41 min Scan# 644
 Delta R.T. 0.00 min
 Lab File: VU036422.D
 Acq: 09 Jan 2020 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRA9DL

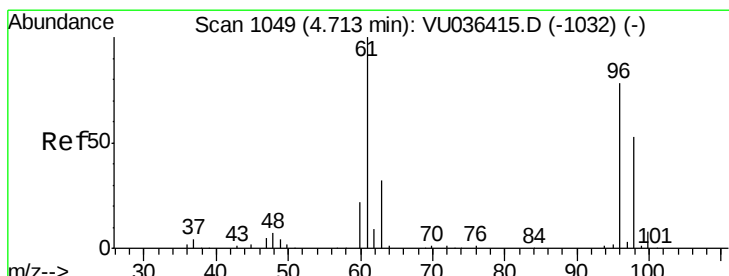
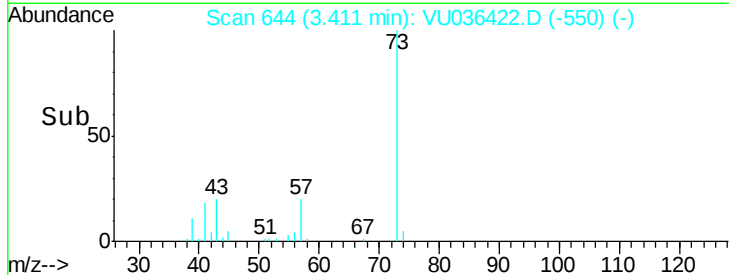
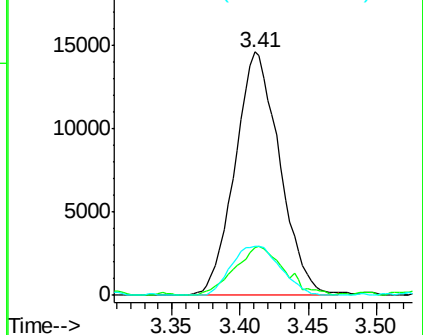
Tot Ion:	73	Resp:	33237
Ion	Ratio	Lower	Upper
73	100		
43	19.7	16.3	24.5
57	22.3	17.7	26.5

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:43:09 AM



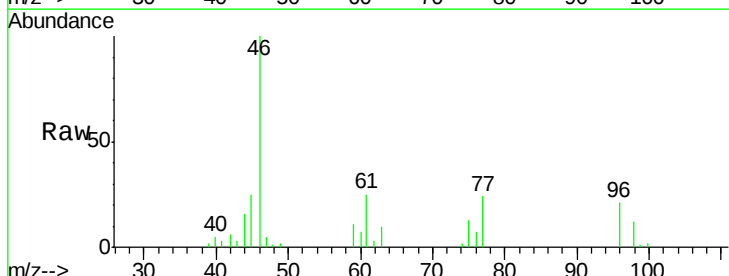
Abundance Ion 73.00 (72.70 to 73.70): VU0
 Ion 43.00 (42.70 to 43.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0



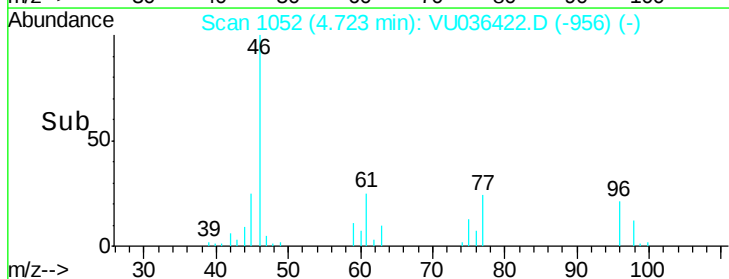
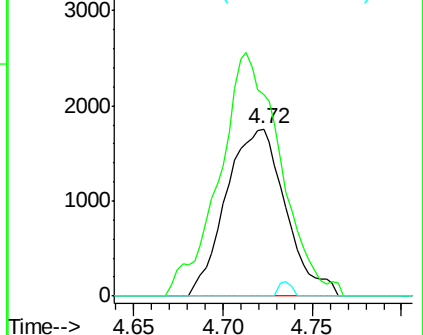
#20

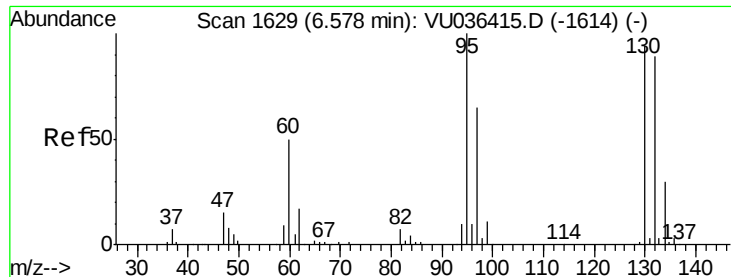
cis-1,2-Dichloroethene
 Concen: 1.158 ug/L
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VU036422.D
 Acq: 09 Jan 2020 16:37

Tgt Ion:	96	Resp:	4092
Ion	Ratio	Lower	Upper
96	100		
61	120.3	85.1	158.1
68	0.0	0.1	0.3#



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





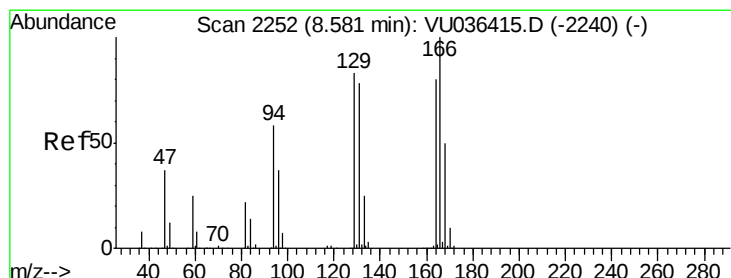
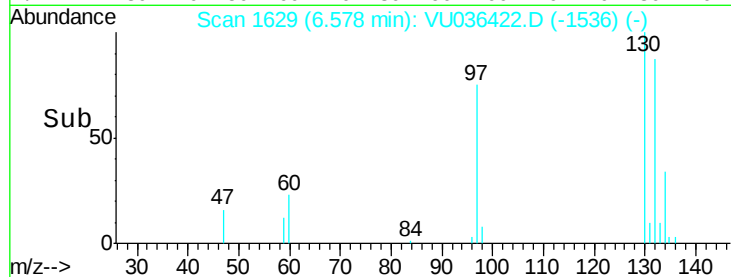
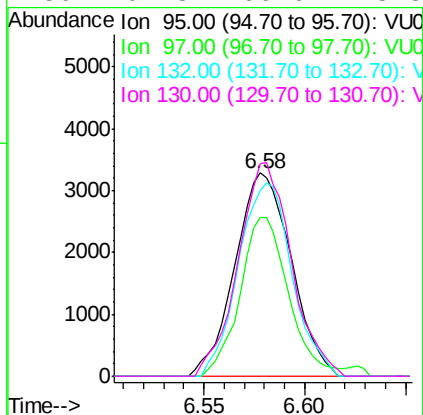
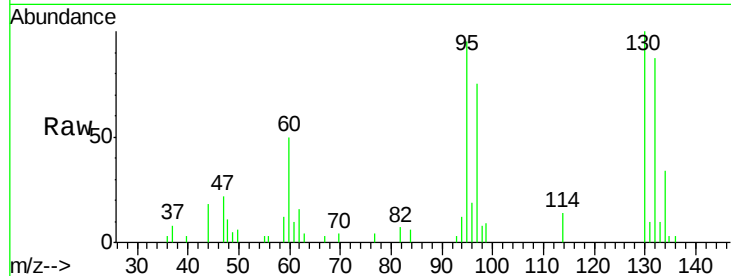
#34
 Trichloroethene
 Concen: 1.867 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036422.D
 Acq: 09 Jan 2020 16:37

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRA9DL

Tot Ion	95	Resp:	6397
Ion	Ratio	Lower	Upper
95	100		
97	78.3	44.5	82.7
132	91.6	64.5	119.9
130	104.8	66.6	123.8

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:43:09 AM



#46
 Tetrachloroethene
 Concen: 48.945 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036422.D
 Acq: 09 Jan 2020 16:37

Tgt Ion	164	Resp:	120648
Ion	Ratio	Lower	Upper
164	100		
129	102.0	70.0	130.0
131	102.5	70.1	130.1
166	127.5	87.2	161.9

