

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010920\
 Data File : VU036421.D
 Acq On : 09 Jan 2020 16:12
 Operator : JC/MD
 Sample : L1042-13RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 10 04:10:18 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	425937	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	395300	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	158402	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	134594	40.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.10%
7) Chloroethane-d5	1.93	69	129720	46.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.66%
11) 1,1-Dichloroethene-d2	2.59	63	216949	38.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.74%
21) 2-Butanone-d5	4.68	46	260326	105.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.33%
24) Chloroform-d	5.11	84	310967	53.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.36%
26) 1,2-Dichloroethane-d4	5.75	65	213397	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.12%
32) Benzene-d6	5.77	84	604880	54.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.92%
36) 1,2-Dichloropropane-d6	6.73	67	205072	55.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.12%
41) Toluene-d8	7.93	98	571002	54.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.10%
43) trans-1,3-Dichloropropene-	8.21	79	102105	50.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.96%
47) 2-Hexanone-d5	8.67	63	199225	104.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	295584	52.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	12.22	152	171750	51.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.38%

Target Compounds

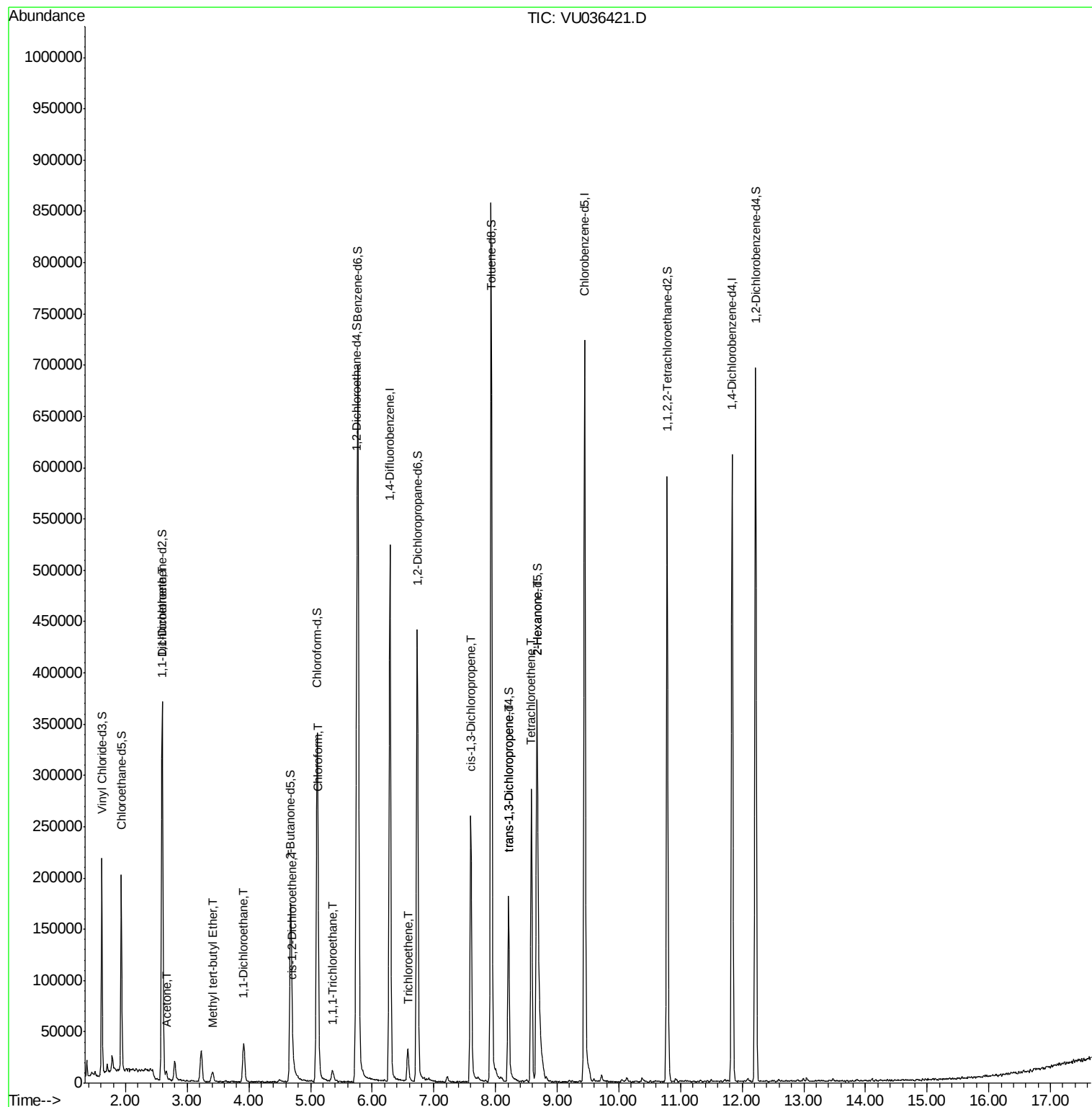
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	9988	4.052	ug/L #	1
13) Acetone	2.66	43	7629	2.976	ug/L	91
18) Methyl tert-butyl Ether	3.41	73	9908	1.025	ug/L #	89
19) 1,1-Dichloroethane	3.92	63	44219	8.290	ug/L	91
20) cis-1,2-Dichloroethene	4.72	96	4317	1.341	ug/L #	93
25) Chloroform	5.13	83	11189	1.969	ug/L	84
30) 1,1,1-Trichloroethane	5.36	97	7227	1.492	ug/L #	50
34) Trichloroethene	6.58	95	9496	3.172	ug/L	86
39) cis-1,3-Dichloropropene	7.60	75	7568	1.438	ug/L	85
44) trans-1,3-Dichloropropene	8.21	75	5276	1.076	ug/L #	70
46) Tetrachloroethene	8.58	164	55235	25.643	ug/L	97
48) 2-Hexanone	8.67	43	22618	5.501	ug/L #	68

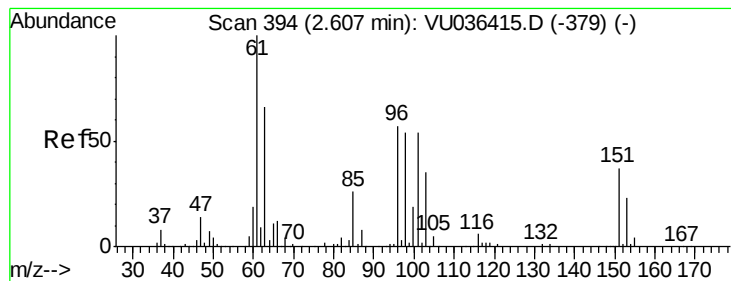
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#12

1,1-Dichloroethene

Concen: 4.052 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036421.D

Acq: 09 Jan 2020 16:12

Instrument :

MSVOA_U

ClientSampleId :

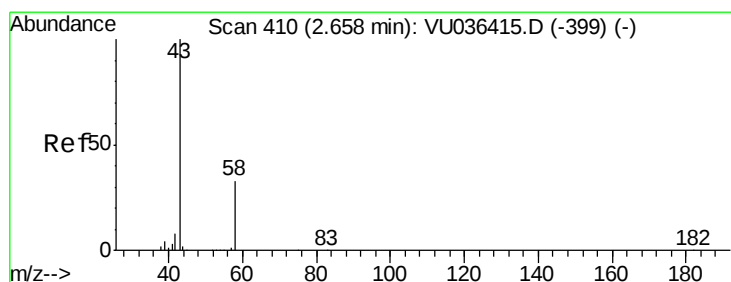
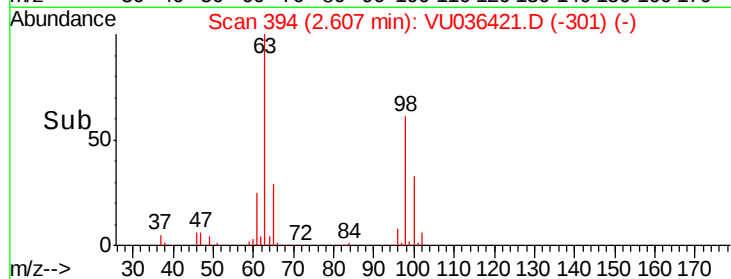
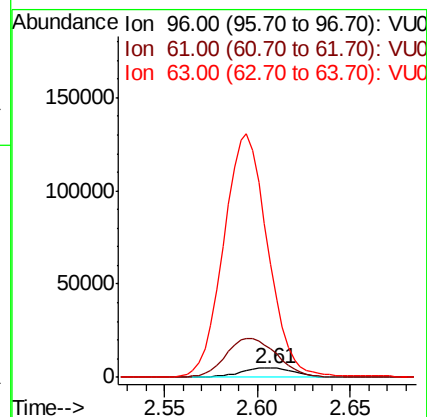
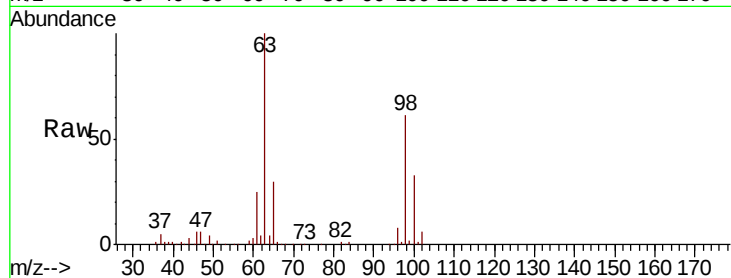
Tot Ion: 96 Resp: 9988

Ion Ratio Lower Upper

96 100

61 302.3 120.9 224.5#

63 1219.3 81.8 152.0#



#13

Acetone

Concen: 2.976 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036421.D

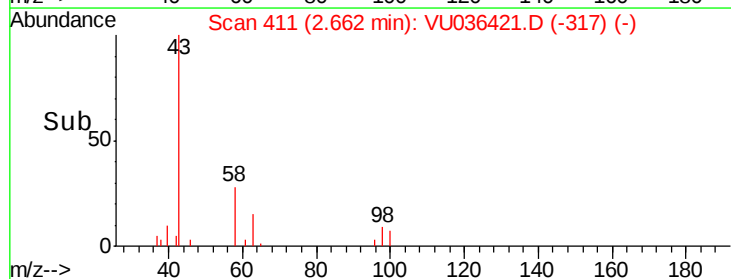
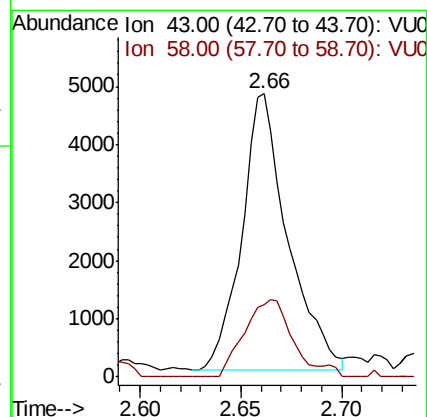
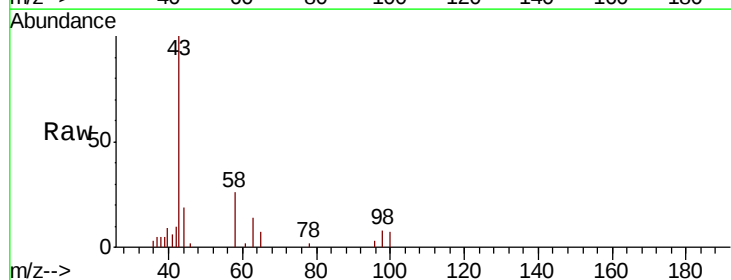
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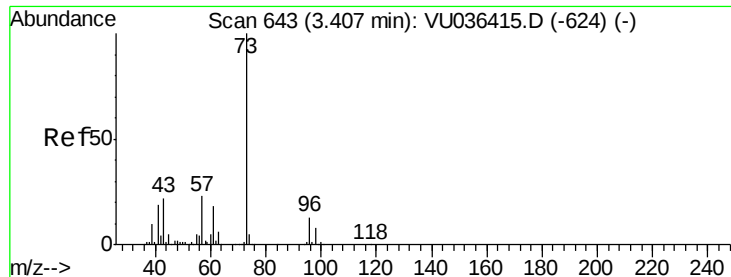
Tgt Ion: 43 Resp: 7629

Ion Ratio Lower Upper

43 100

58 28.3 0.0 66.2



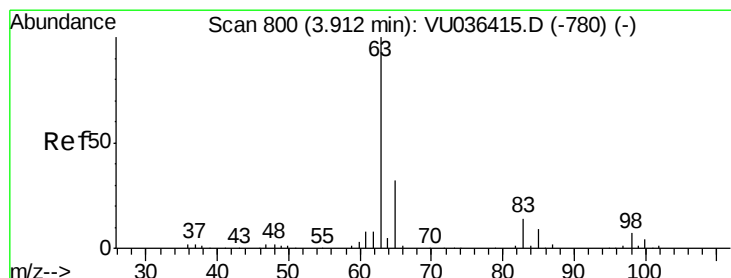
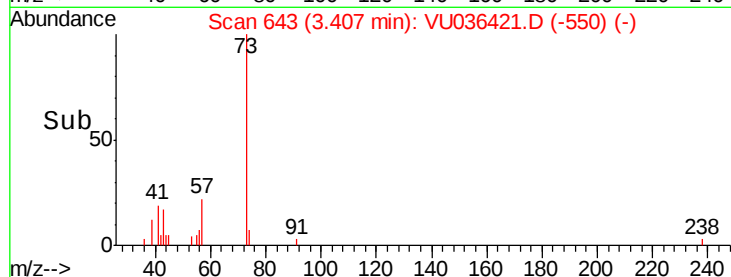
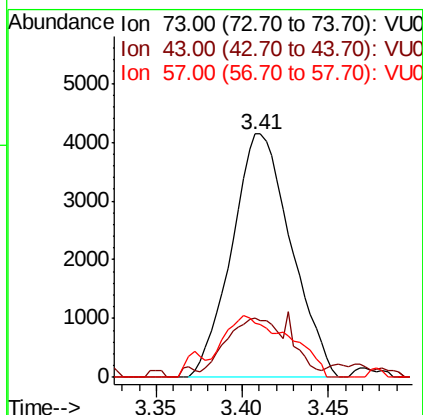
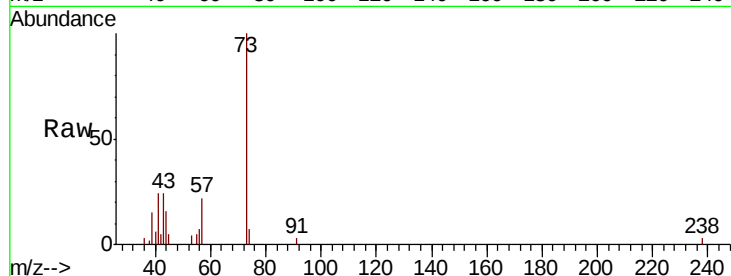


#18

Methvl tert-butvl Ether
 Concen: 1.025 ug/L
 RT: 3.41 min Scan# 643
 Delta R.T. 0.00 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

Instrument :
 MSVOA_U
 ClientSampled :

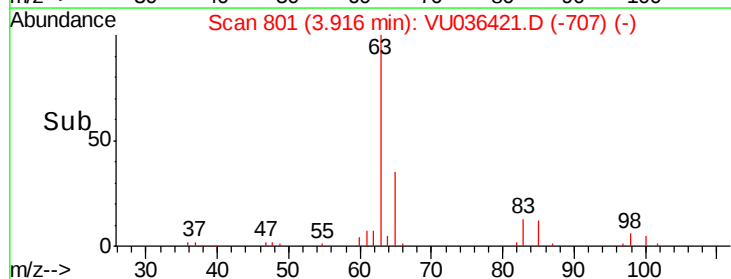
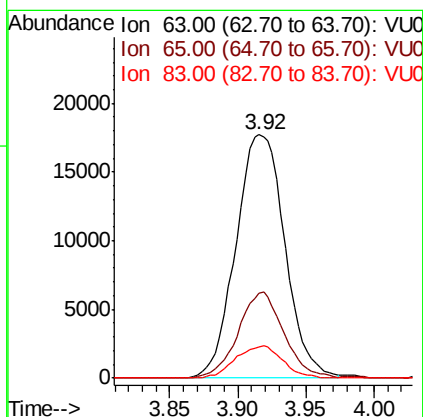
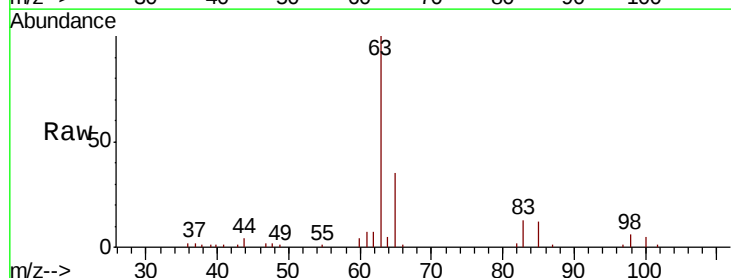
Tot Ion: 73 Resp: 9908
 Ion Ratio Lower Upper
 73 100
 43 21.2 16.3 24.5
 57 12.4 17.7 26.5#

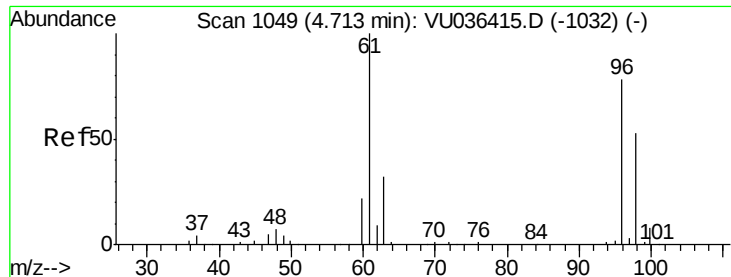


#19

1,1-Dichloroethane
 Concen: 8.290 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

Tgt Ion: 63 Resp: 44219
 Ion Ratio Lower Upper
 63 100
 65 34.9 20.0 37.2
 83 12.6 9.6 17.8

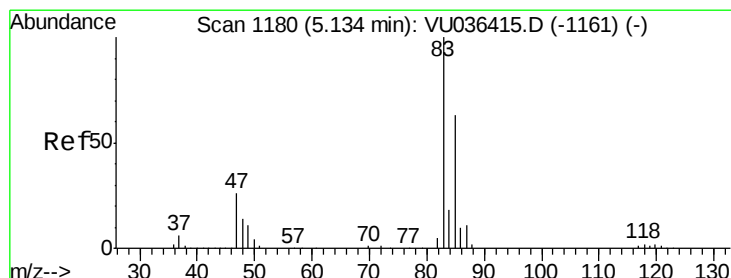
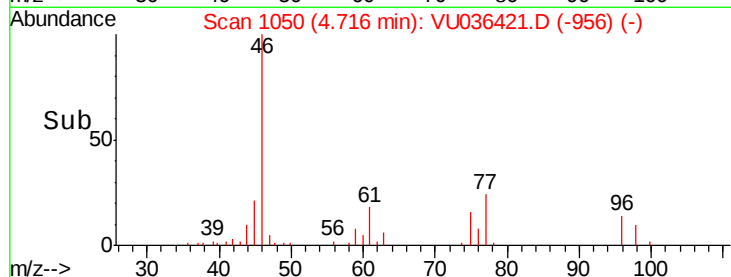
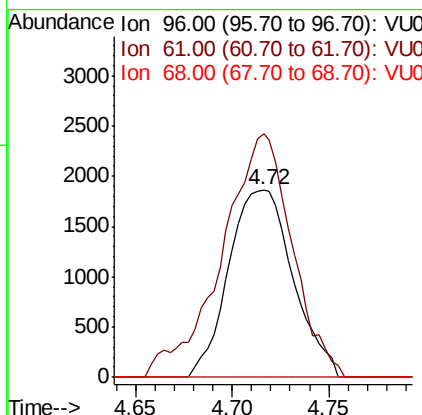
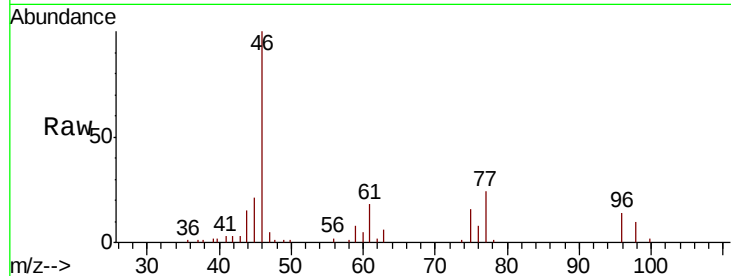




#20
 cis-1,2-Dichloroethene
 Concen: 1.341 ug/L
 RT: 4.72 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

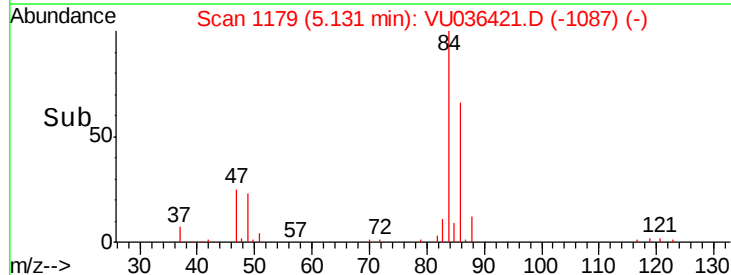
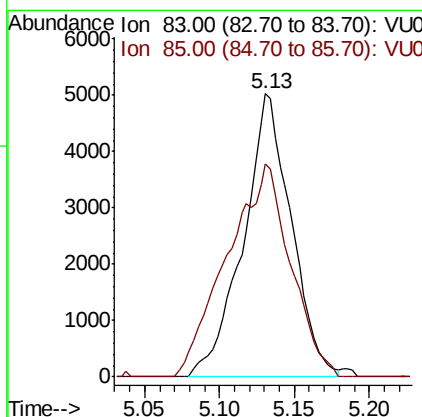
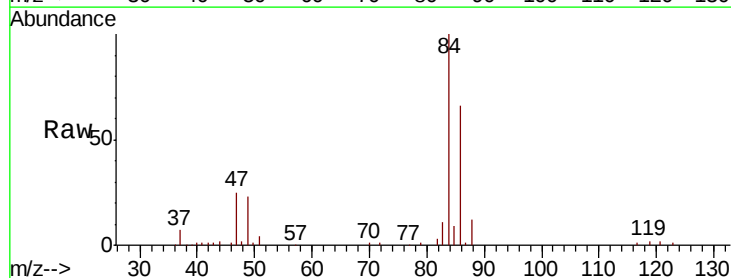
Instrument :
 MSVOA_U
 ClientSampleId :

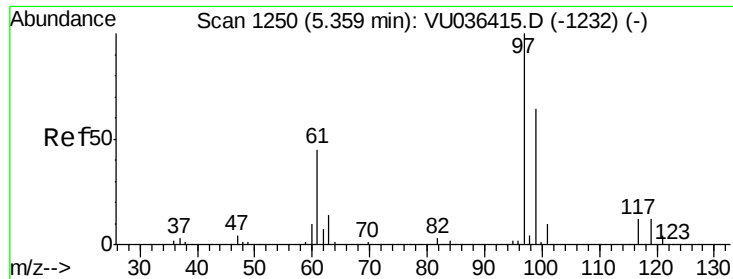
Tot Ion: 96 Resp: 4317
 Ion Ratio Lower Upper
 96 100
 61 129.8 85.1 158.1
 68 0.0 0.1 0.3#



#25
 Chloroform
 Concen: 1.969 ug/L
 RT: 5.13 min Scan# 1179
 Delta R.T. -0.00 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

Tgt Ion: 83 Resp: 11189
 Ion Ratio Lower Upper
 83 100
 85 75.3 43.9 81.5

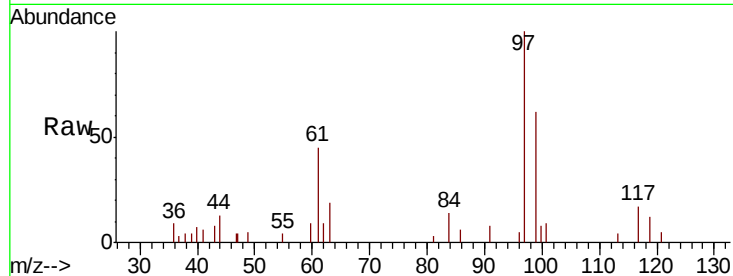




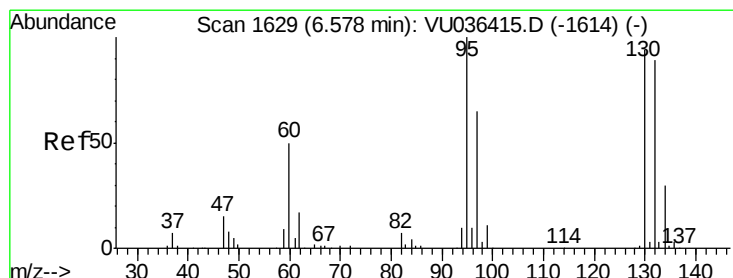
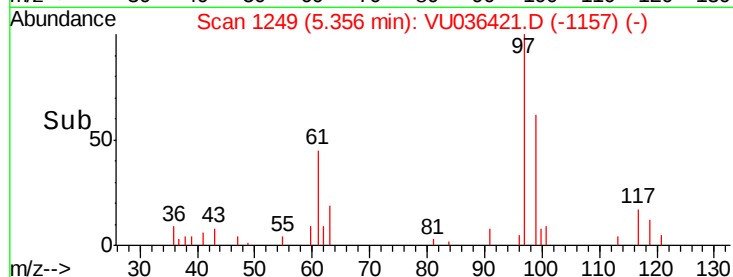
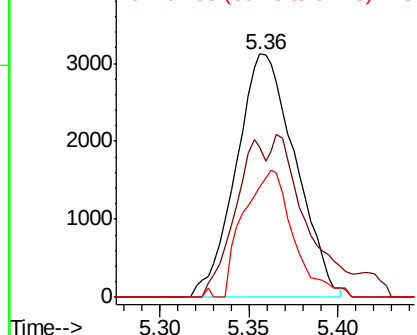
#30
 1,1,1-Trichloroethane
 Concen: 1.492 ug/L
 RT: 5.36 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 7227
 Ion Ratio Lower Upper
 97 100
 99 33.9 51.0 76.4#
 61 0.0 34.7 52.1#



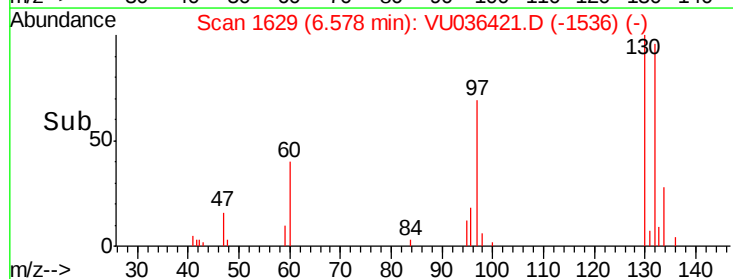
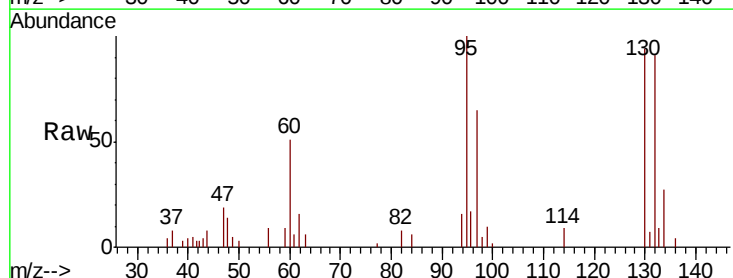
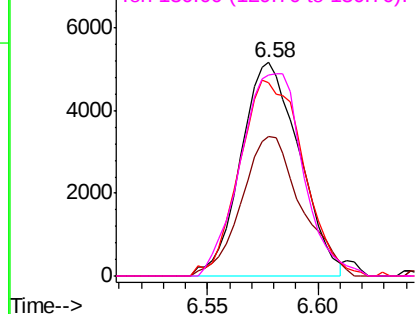
Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

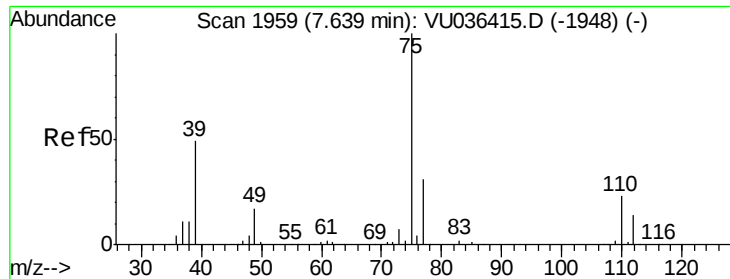


#34
 Trichloroethene
 Concen: 3.172 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

Tgt Ion: 95 Resp: 9496
 Ion Ratio Lower Upper
 95 100
 97 55.9 44.5 82.7
 132 77.3 64.5 119.9
 130 80.6 66.6 123.8

Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



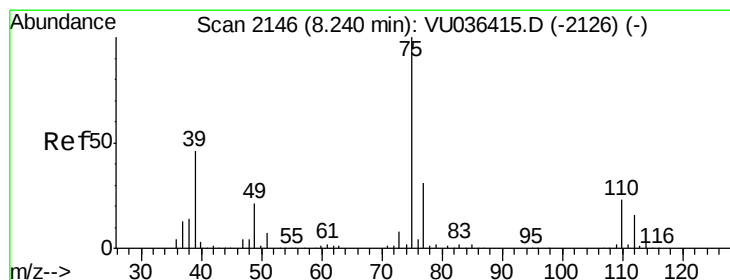
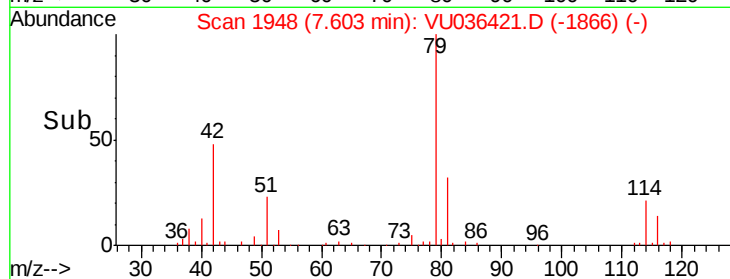
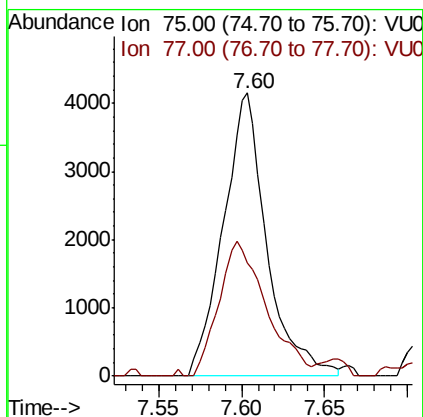
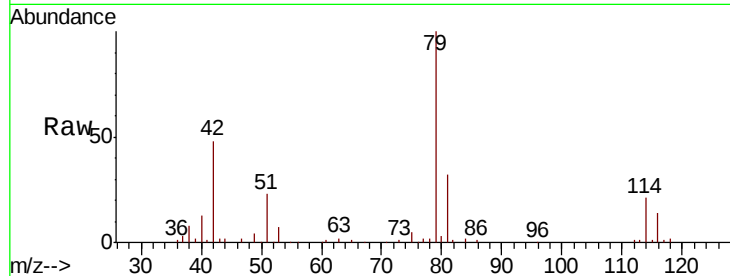


#39

cis-1,3-Dichloropropene
 Concen: 1.438 ug/L
 RT: 7.60 min Scan# 1948
 Delta R.T. -0.04 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

Instrument :
 MSVOA_U
 ClientSampleId :

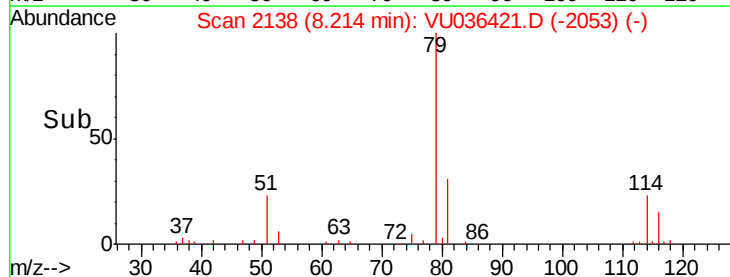
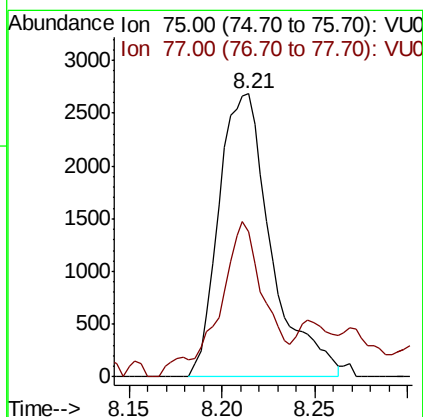
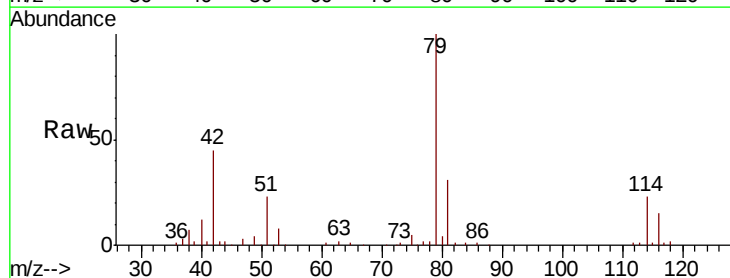
Tot Ion: 75 Resp: 7568
 Ion Ratio Lower Upper
 75 100
 77 39.9 22.2 41.2

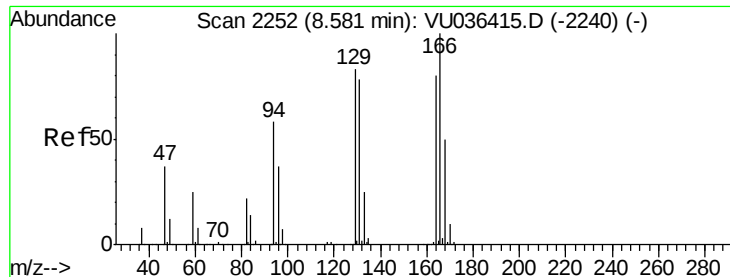


#44

trans-1,3-Dichloropropene
 Concen: 1.076 ug/L
 RT: 8.21 min Scan# 2138
 Delta R.T. -0.03 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

Tgt Ion: 75 Resp: 5276
 Ion Ratio Lower Upper
 75 100
 77 49.1 22.5 41.9#

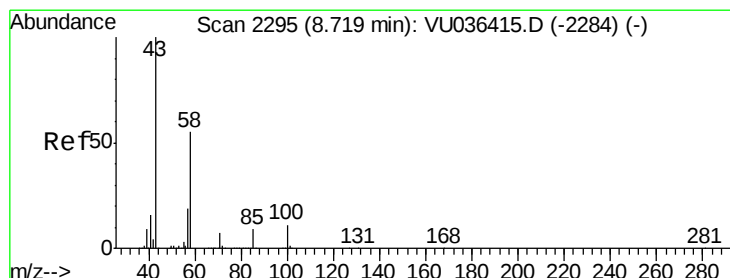
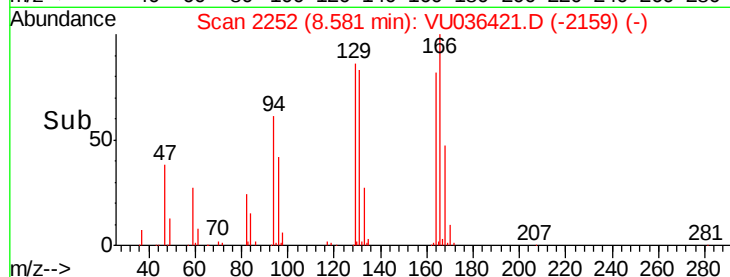
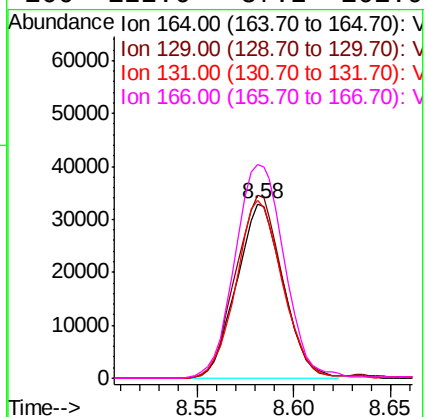
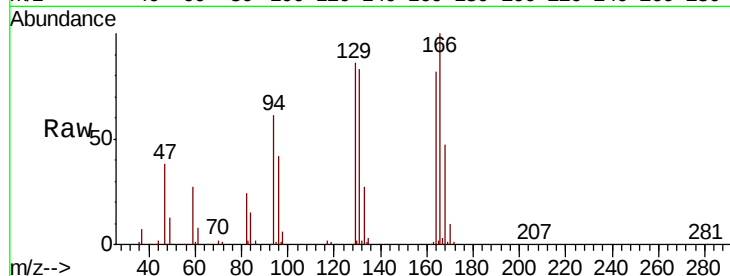




#46
Tetrachloroethene
Concen: 25.643 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VU036421.D
Acq: 09 Jan 2020 16:12

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 55235
Ion Ratio Lower Upper
164 100
129 105.0 70.0 130.0
131 102.1 70.1 130.1
166 122.6 87.2 161.9



#48
2-Hexanone
Concen: 5.501 ug/L
RT: 8.67 min Scan# 2280
Delta R.T. -0.05 min
Lab File: VU036421.D
Acq: 09 Jan 2020 16:12

Tgt Ion: 43 Resp: 22618
Ion Ratio Lower Upper
43 100
58 22.7 42.2 63.4#
57 19.9 14.8 22.2
100 0.0 8.8 13.2#

