

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

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRB0

Quant Time: Jan 10 04:38:36 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

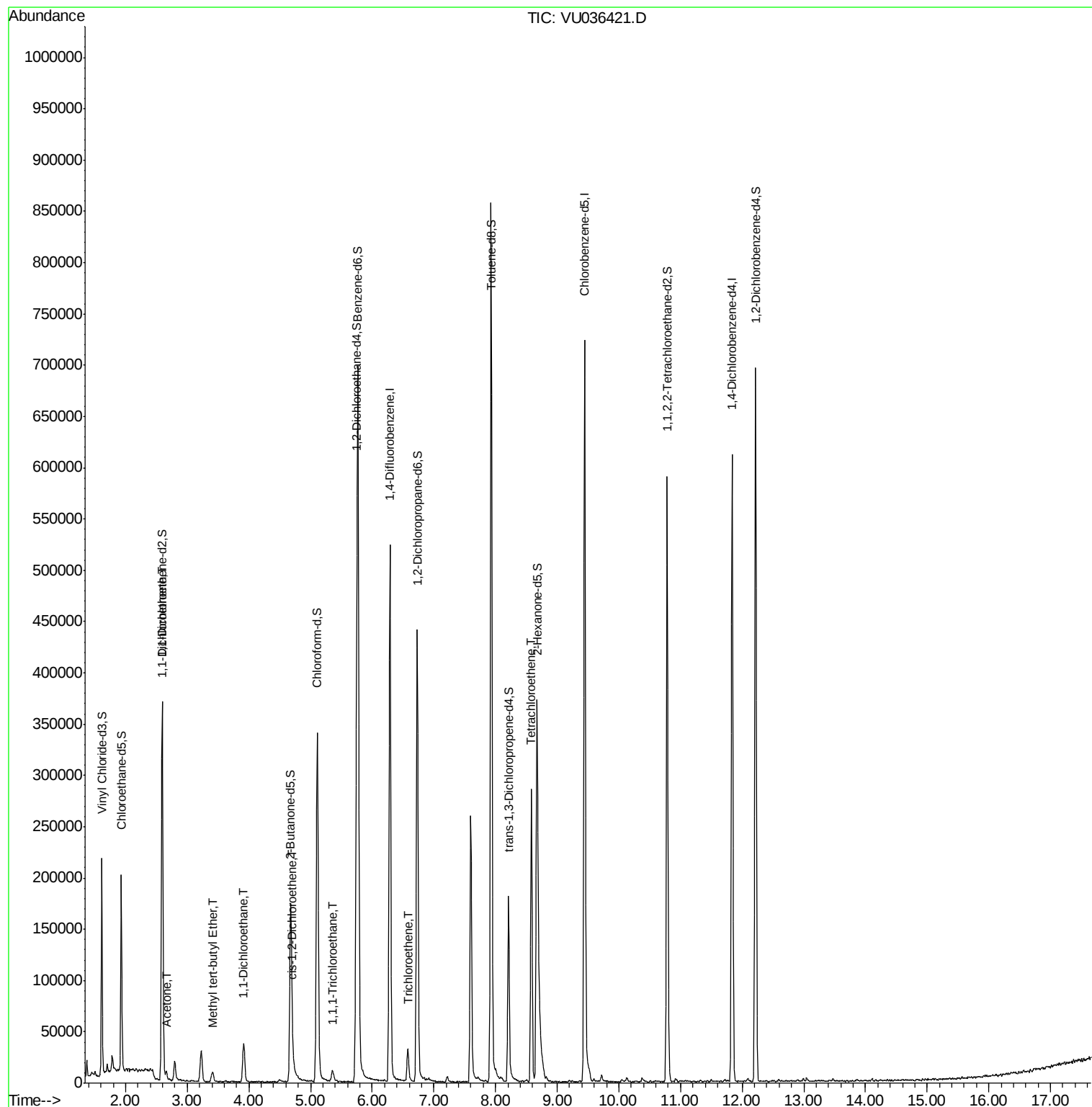
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	9988	4.052	ug/L #	1
13) Acetone	2.66	43	7629	2.976	ug/L	91
18) Methyl tert-butyl Ether	3.41	73	9908	1.025	ug/L #	89
19) 1,1-Dichloroethane	3.92	63	44219	8.290	ug/L	91
20) cis-1,2-Dichloroethene	4.72	96	4317	1.341	ug/L #	93
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
46) Tetrachloroethene	8.58	164	55235	25.643	ug/L	97

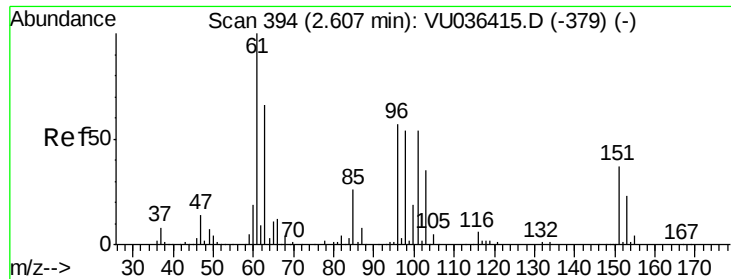
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

BFRB0

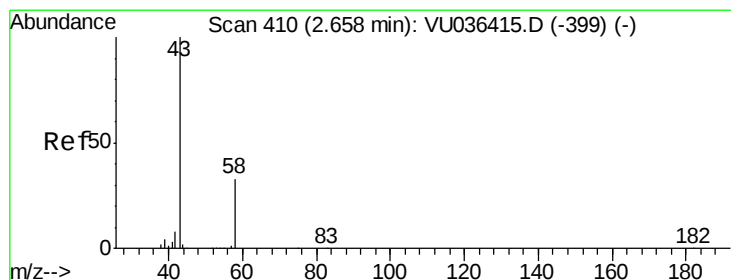
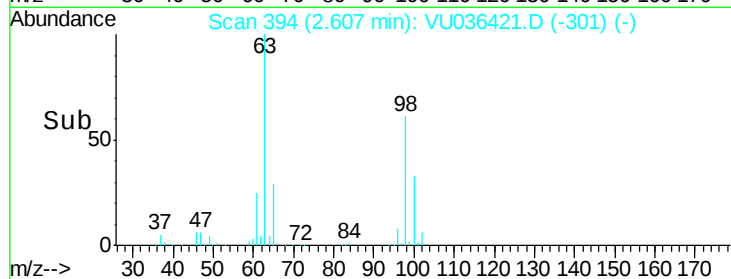
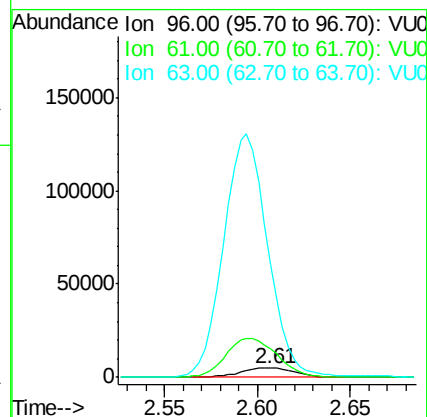
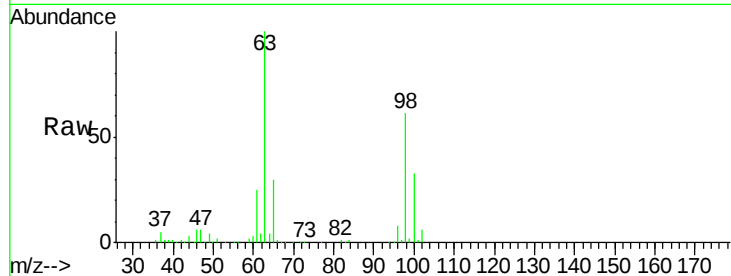
Tot Ion: 96 Resp: 9988

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

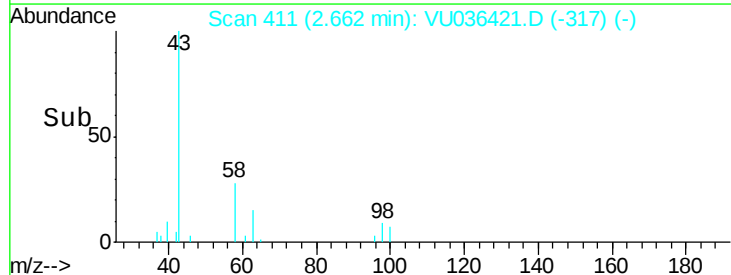
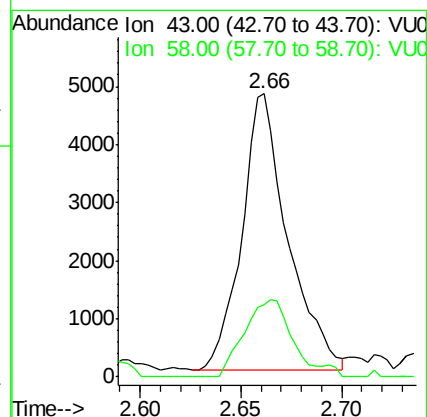
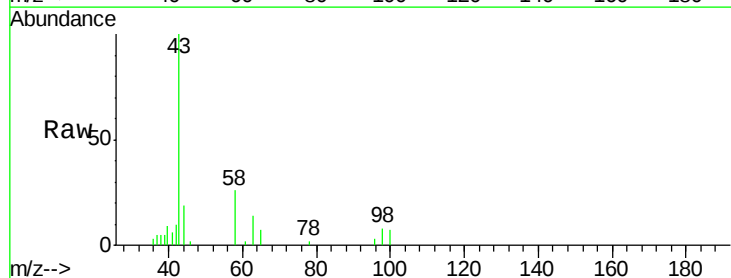
Acq: 09 Jan 2020 16:12

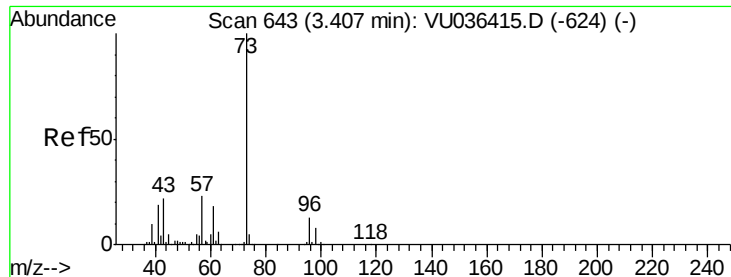
Tgt Ion: 43 Resp: 7629

Ion Ratio Lower Upper

43 100

58 28.3 0.0 66.2

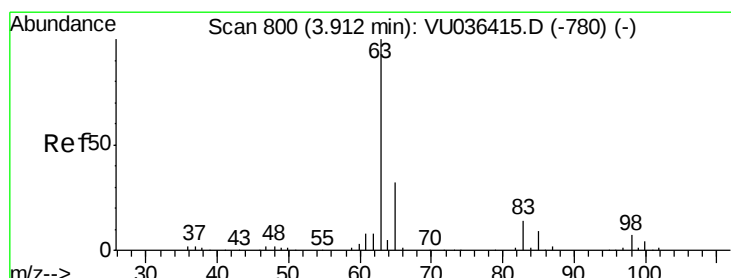
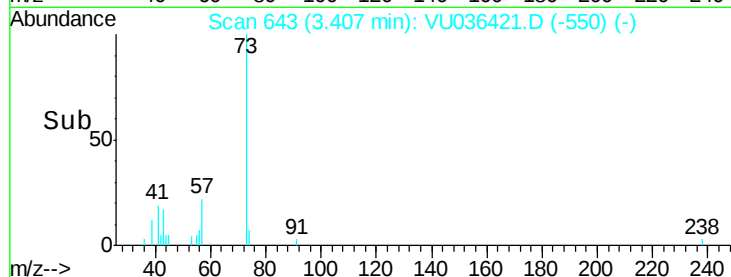
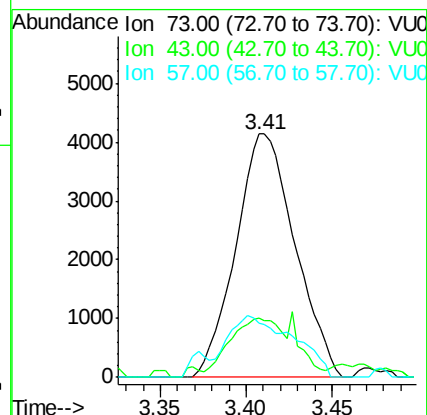
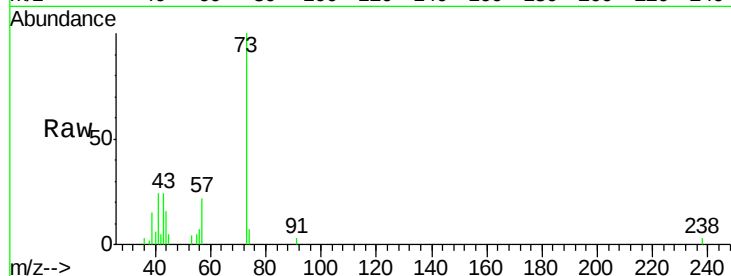




#18
Methvl tert-butvl Ether
Concen: 1.025 ug/L
RT: 3.41 min Scan# 643
Delta R.T. 0.00 min
Lab File: VU036421.D
Acq: 09 Jan 2020 16:12

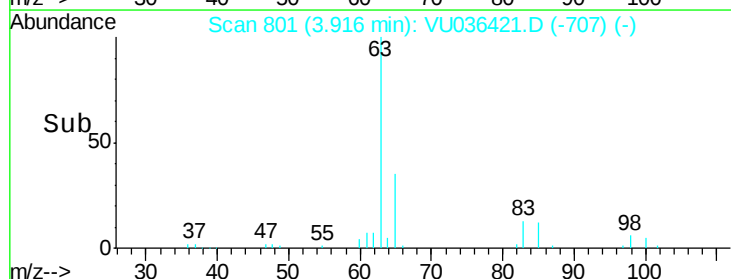
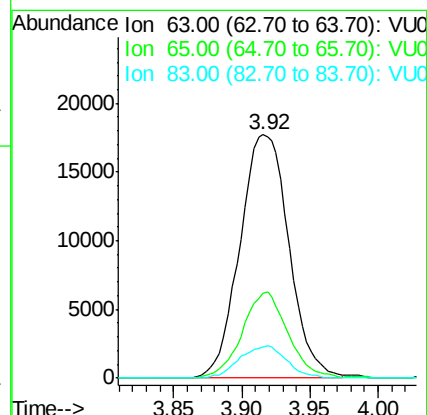
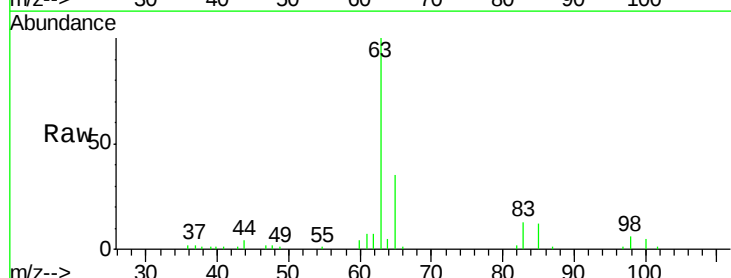
Instrument :
MSVOA_U
ClientSampled :
BFRB0

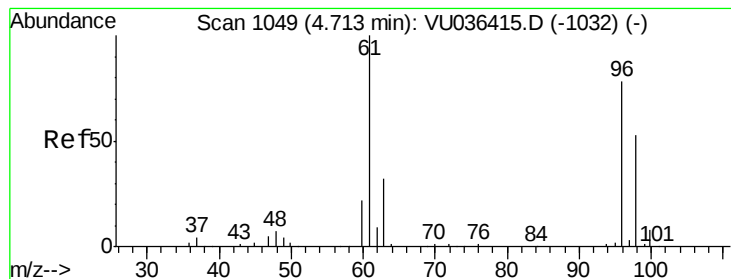
Tot Ion: 73 Resp: 9908
Ion Ratio Lower Upper
73 100
43 21.2 16.3 24.5
57 12.4 17.7 26.5#



#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 :

BFRB0

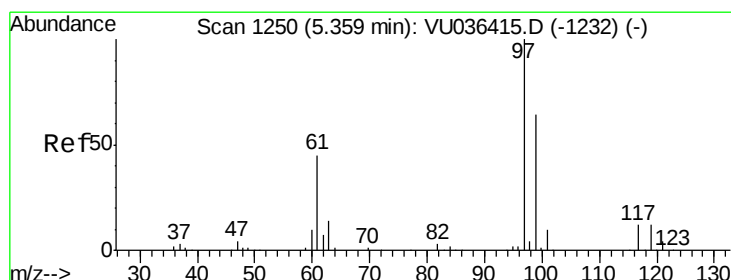
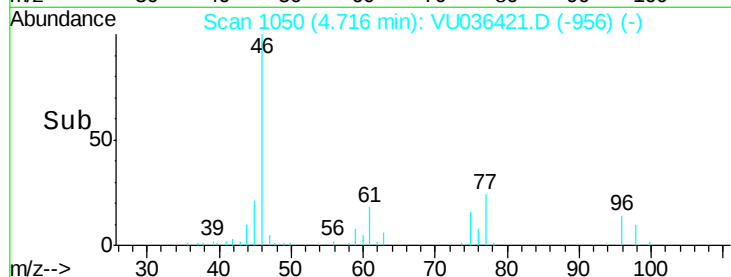
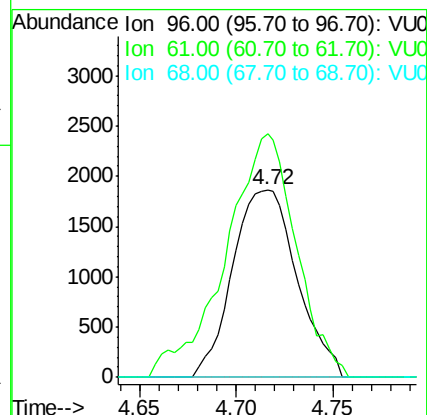
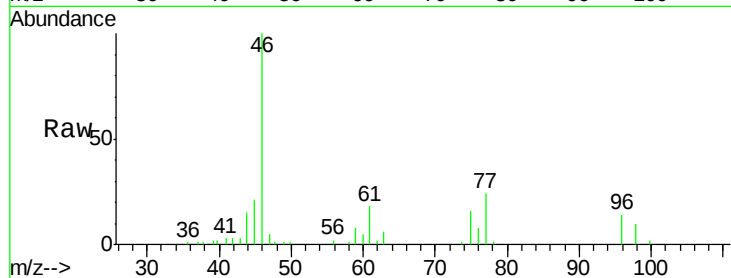
Tot Ion: 96 Resp: 4317

Ion Ratio Lower Upper

96 100

61 129.8 85.1 158.1

68 0.0 0.1 0.3#



#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

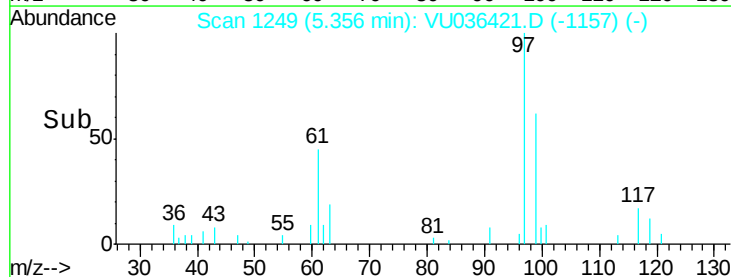
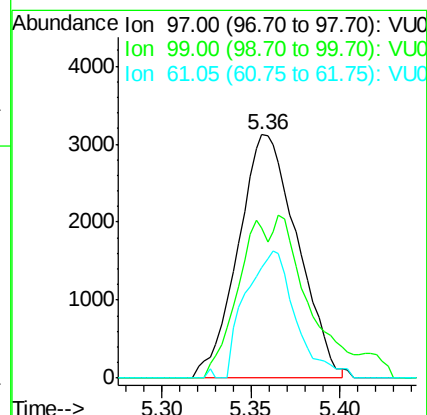
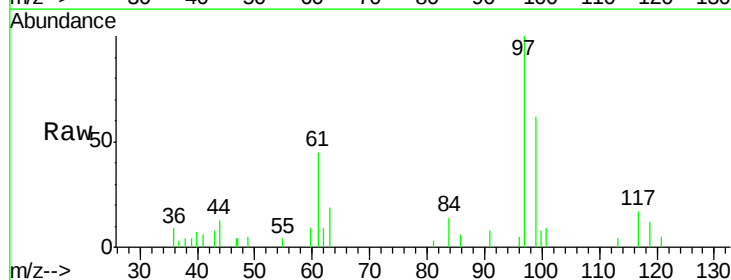
Tgt Ion: 97 Resp: 7227

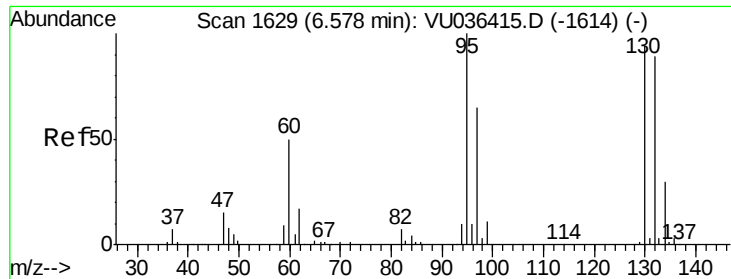
Ion Ratio Lower Upper

97 100

99 33.9 51.0 76.4#

61 0.0 34.7 52.1#

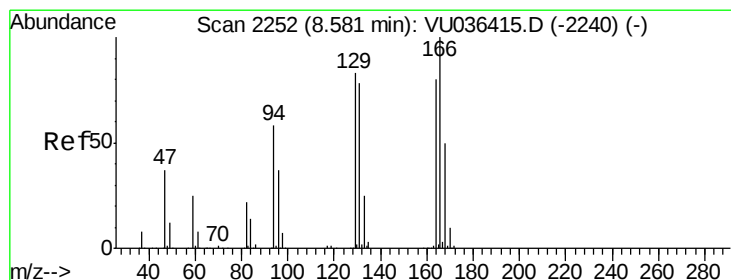
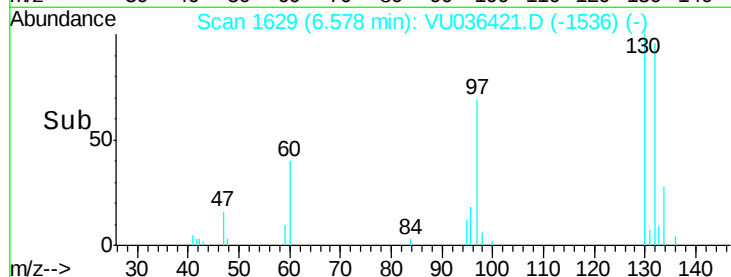
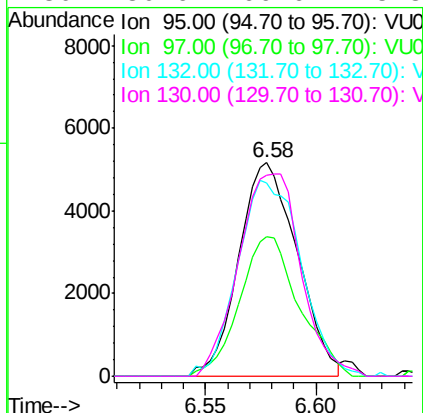
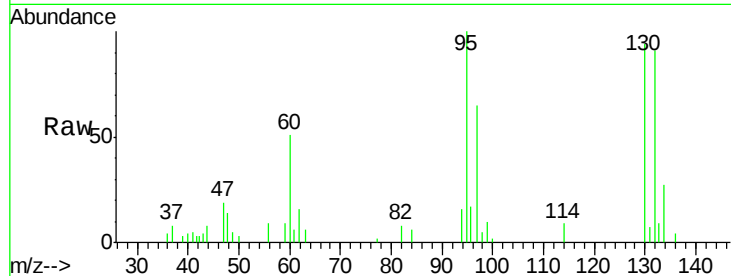




#34
 Trichloroethene
 Concen: 3.172 ug/L
 RT: 6.58 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VU036421.D
 Acq: 09 Jan 2020 16:12

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRB0

Tot 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



#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

Tgt 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

