

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU010920\
 Data File : VU036418.D
 Acq On : 09 Jan 2020 14:36
 Operator : JC/MD
 Sample : L1042-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFRA9

Quant Time: Jan 10 09:58:58 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	395987	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	376958	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	141415	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	142585	46.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.42%
7) Chloroethane-d5	1.93	69	133698	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.74%
11) 1,1-Dichloroethene-d2	2.59	63	233707	44.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.92%
21) 2-Butanone-d5	4.68	46	282146	122.79	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	122.79%
24) Chloroform-d	5.11	84	329998	61.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.56%
26) 1,2-Dichloroethane-d4	5.75	65	224540	62.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.76%#
32) Benzene-d6	5.77	84	653689	62.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.58%
36) 1,2-Dichloropropane-d6	6.73	67	216641	61.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	123.10%#
41) Toluene-d8	7.93	98	602673	59.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.64%
43) trans-1,3-Dichloropropene-	8.21	79	109801	57.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.98%
47) 2-Hexanone-d5	8.67	63	208714	114.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.98%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	313796	58.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	117.56%
64) 1,2-Dichlorobenzene-d4	12.22	152	181041	61.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.06%#

Target Compounds

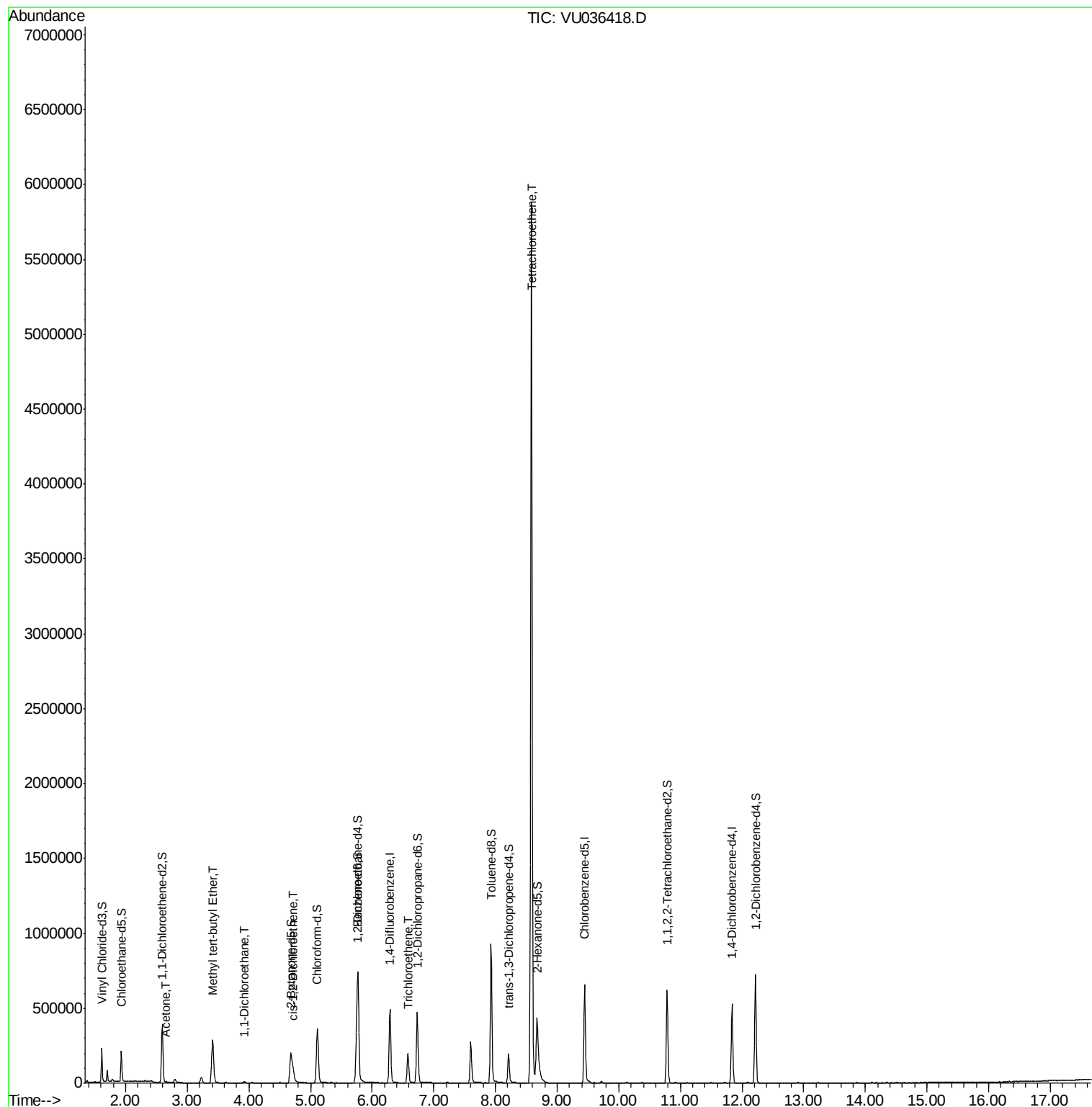
					Ovalue
13) Acetone	2.66	43	8192	3.437	ug/L 88
18) Methyl tert-butyl Ether	3.41	73	331892	36.931	ug/L 99
19) 1,1-Dichloroethane	3.92	63	10265	2.070	ug/L # 85
20) cis-1,2-Dichloroethene	4.72	96	40778	13.628	ug/L # 96
34) Trichloroethene	6.58	95	64598	22.628	ug/L 98
46) Tetrachloroethene	8.58	164	1151882	560.790	ug/L 95

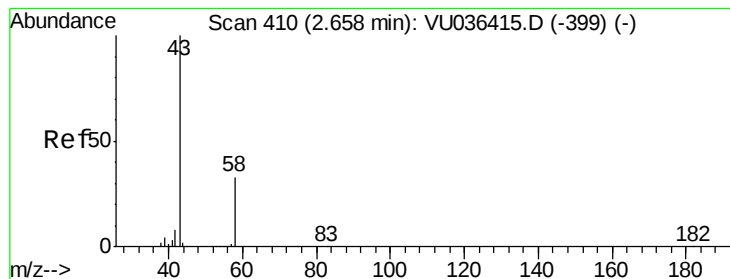
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 10 04:07:29 2020
Response via : Initial Calibration





#13

Acetone

Concen: 3.437 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

Instrument :

MSVOA_U

ClientSampleId :

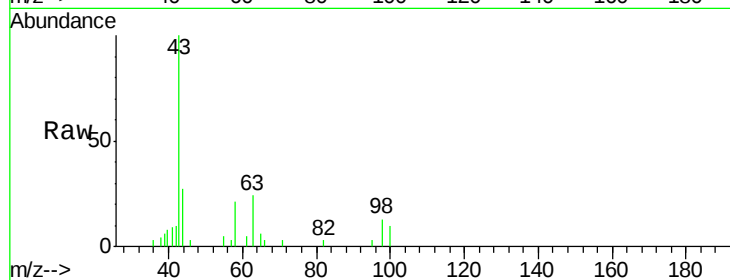
BFRA9

Tot Ion: 43 Resp: 8192

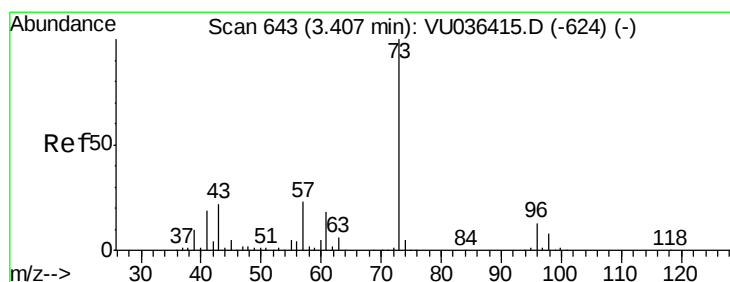
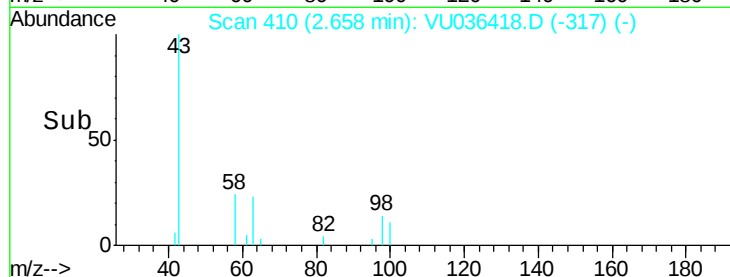
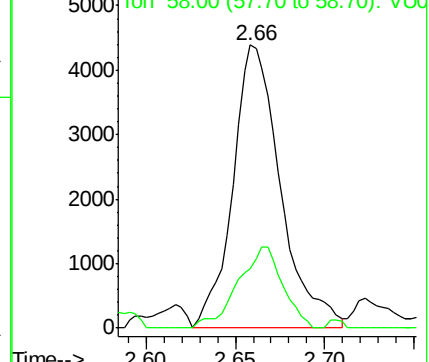
Ion Ratio Lower Upper

43 100

58 26.1 0.0 66.2



Abundance Ion 43.00 (42.70 to 43.70): VU036418.D (-550) (-)



#18

Methyl tert-butyl Ether

Concen: 36.931 ug/L

RT: 3.41 min Scan# 644

Delta R.T. 0.00 min

Lab File: VU036418.D

Acq: 09 Jan 2020 14:36

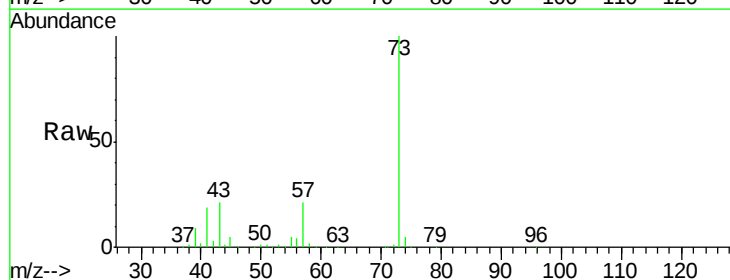
Tgt Ion: 73 Resp: 331892

Ion Ratio Lower Upper

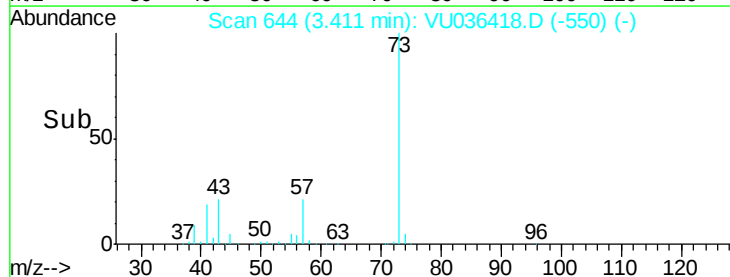
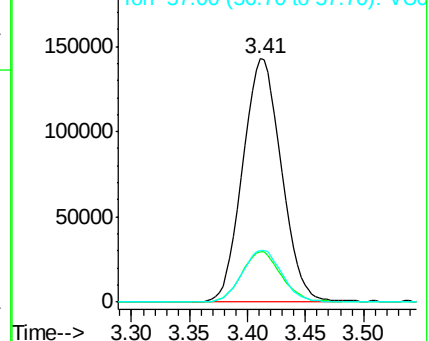
73 100

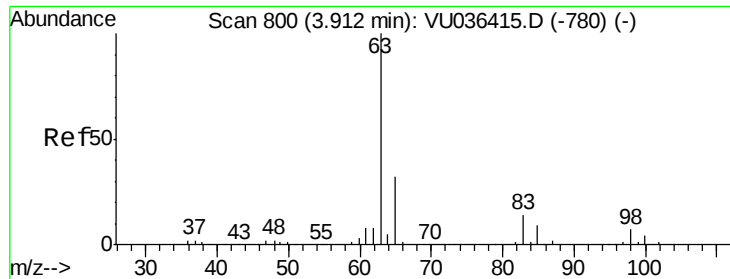
43 21.2 16.3 24.5

57 21.9 17.7 26.5



Abundance Ion 73.00 (72.70 to 73.70): VU036418.D (-550) (-)

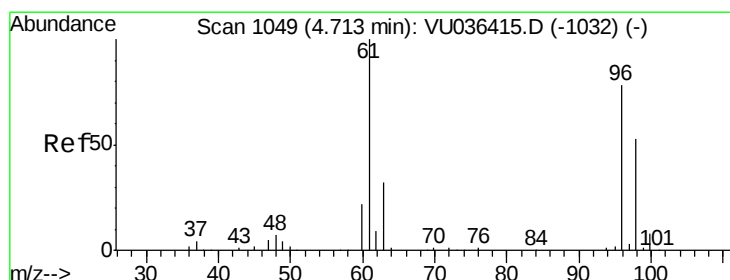
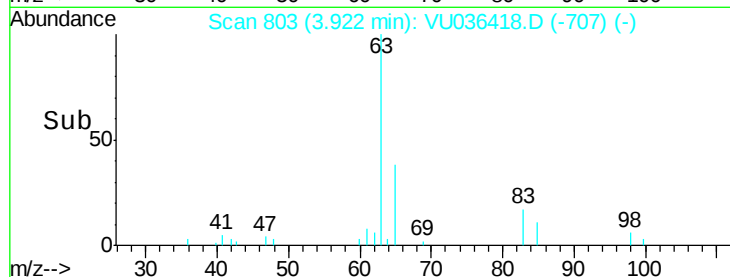
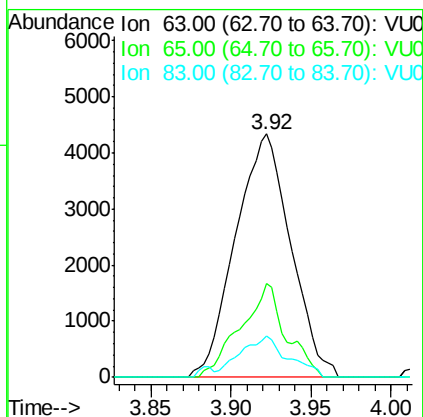
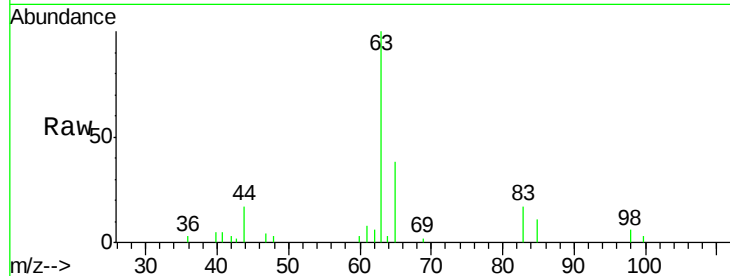




#19
 1,1-Dichloroethane
 Concen: 2.070 ug/L
 RT: 3.92 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: VU036418.D
 Acq: 09 Jan 2020 14:36

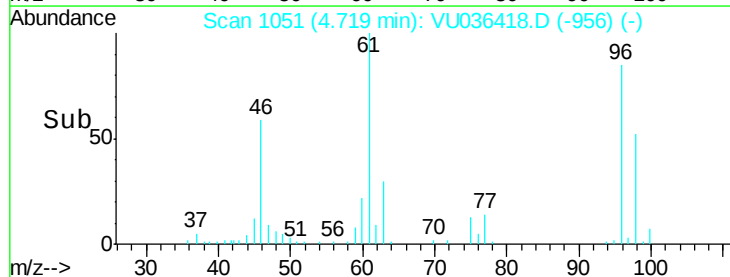
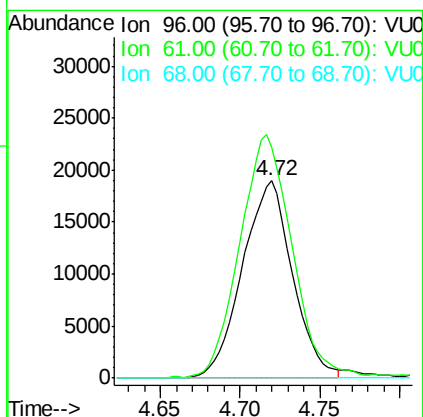
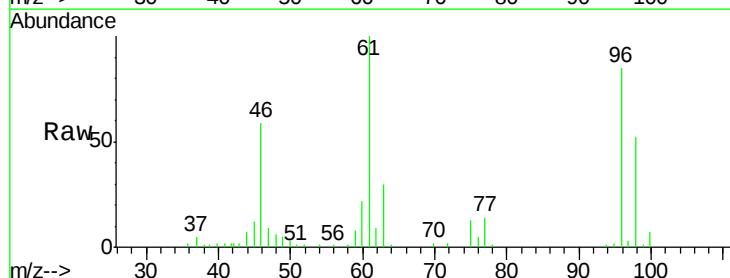
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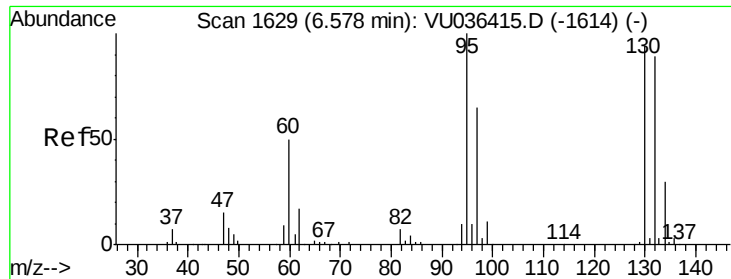
Tot Ion: 63 Resp: 10265
 Ion Ratio Lower Upper
 63 100
 65 38.4 20.0 37.2#
 83 16.8 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 13.628 ug/L
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VU036418.D
 Acq: 09 Jan 2020 14:36

Tgt Ion: 96 Resp: 40778
 Ion Ratio Lower Upper
 96 100
 61 117.0 85.1 158.1
 68 0.0 0.1 0.3#

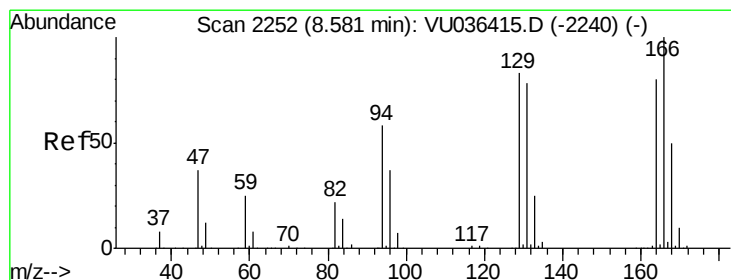
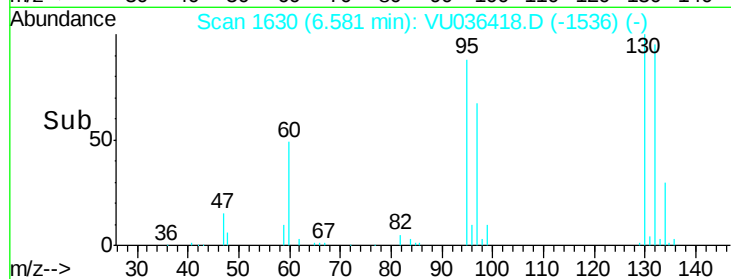
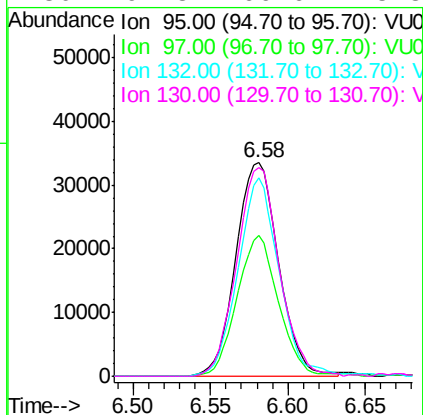
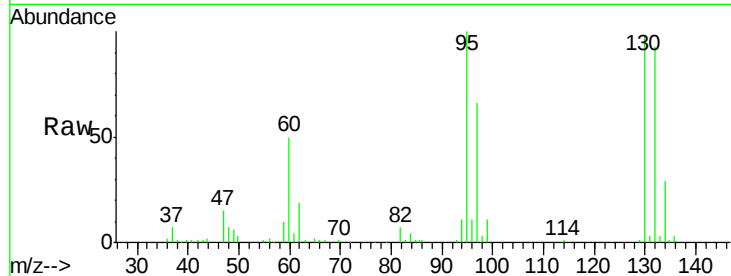




#34
 Trichloroethene
 Concen: 22.628 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036418.D
 Acq: 09 Jan 2020 14:36

Instrument :
 MSVOA_U
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 BFRA9

Tot Ion:	95	Resp:	64598
Ion	Ratio	Lower	Upper
95	100		
97	65.8	44.5	82.7
132	92.9	64.5	119.9
130	97.8	66.6	123.8



#46
 Tetrachloroethene
 Concen: 560.790 ug/L
 RT: 8.58 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VU036418.D
 Acq: 09 Jan 2020 14:36

Tgt Ion:	164	Resp:	1151882
Ion	Ratio	Lower	Upper
164	100		
129	108.1	70.0	130.0
131	102.0	70.1	130.1
166	129.0	87.2	161.9

