

Data File : VU033912.D
Acq On : 22 Aug 2019 20:18
Operator : JC/SP
Sample : K4454-03DL 4X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B86DL

Quant Time: Aug 23 03:05:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 02:53:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	802530	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	792251	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	356602	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	245474	34.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.76%
7) Chloroethane-d5	1.67	69	222706	39.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.78%
11) 1,1-Dichloroethene-d2	2.25	63	375499	29.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.16%#
21) 2-Butanone-d5	4.14	46	489348	103.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.33%
24) Chloroform-d	4.62	84	503440	43.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.88%
26) 1,2-Dichloroethane-d4	5.28	65	339848	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.32	84	996012	44.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.52%
36) 1,2-Dichloropropane-d6	6.31	67	346775	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.98%
41) Toluene-d8	7.54	98	868873	42.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.44%
43) trans-1,3-Dichloropropene-	7.83	79	140196	41.60	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.20%
47) 2-Hexanone-d5	8.29	63	334036	109.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.99%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	499564	48.04	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.08%
64) 1,2-Dichlorobenzene-d4	11.84	152	345667	47.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

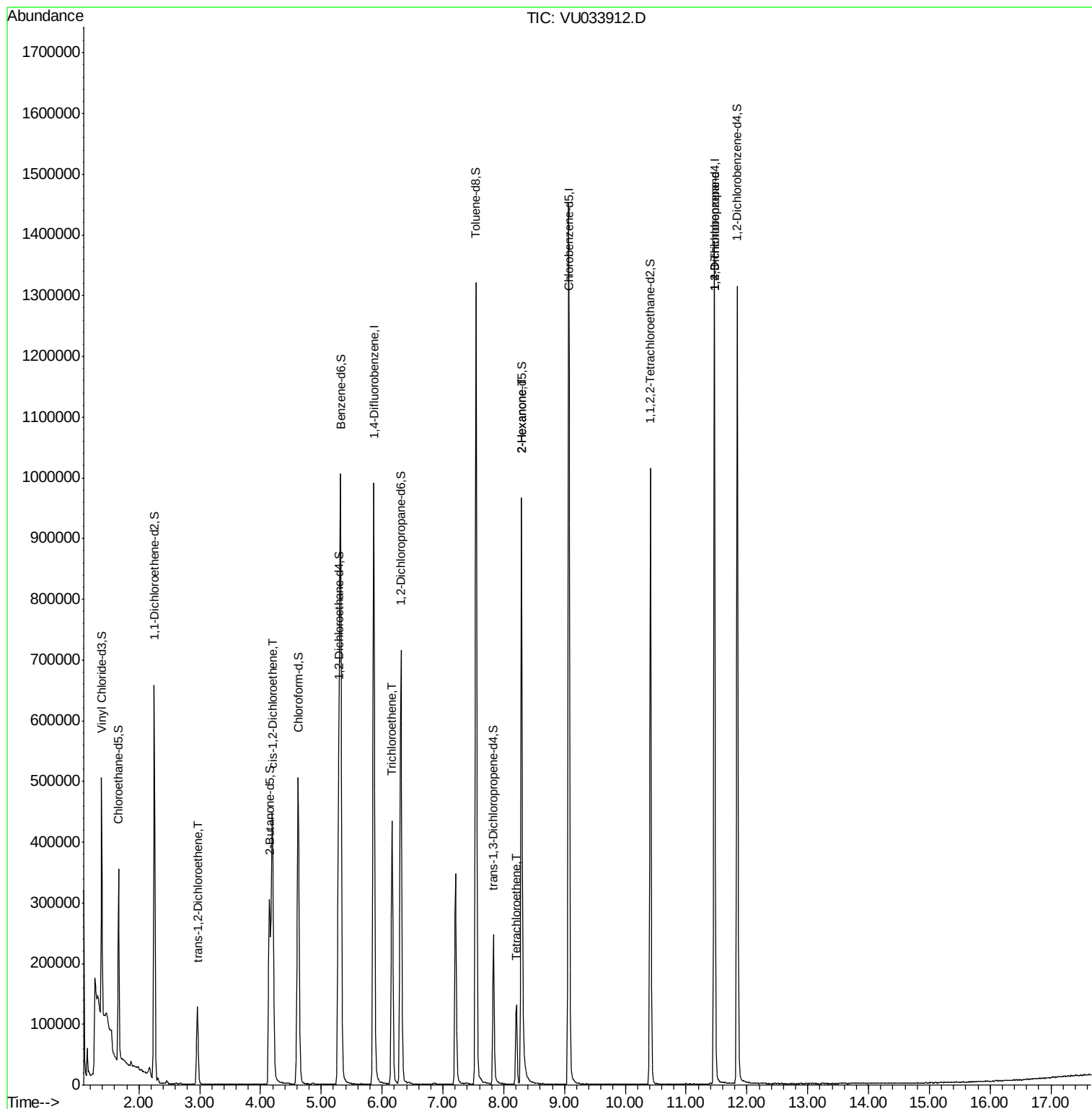
					Qvalue
17) trans-1,2-Dichloroethene	2.96	96	49649	8.540 ug/L	96
20) cis-1,2-Dichloroethene	4.20	96	237950	37.184 ug/L	98
34) Trichloroethene	6.16	95	150543	24.219 ug/L	97
46) Tetrachloroethene	8.21	164	30323	6.277 ug/L	100
48) 2-Hexanone	8.29	43	40558	5.564 ug/L #	73
59) 1,2,3-Trichloropropane	11.47	75	43522	5.196 ug/L	95

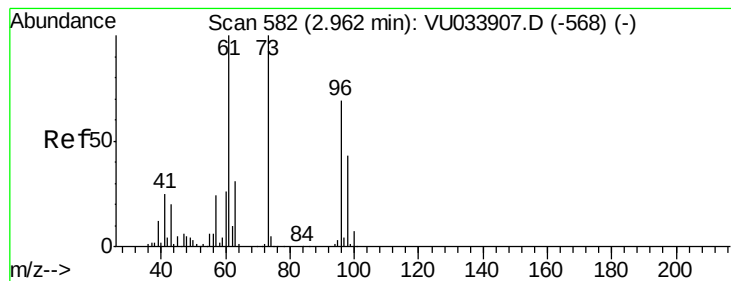
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

trans-1,2-Dichloroethene

Concen: 8.540 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

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Acq: 22 Aug 2019 20:18

Instrument :

MSVOA_U

ClientSampleId :

F2B86DL

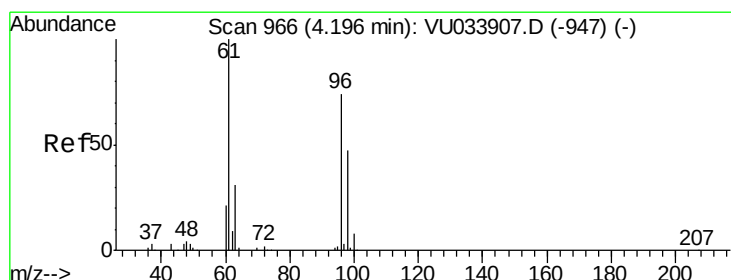
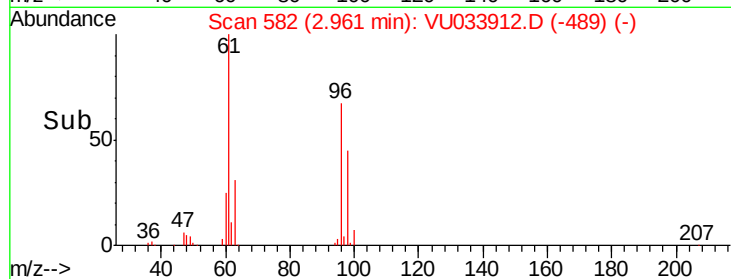
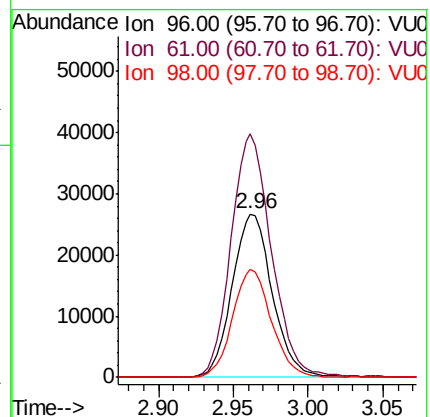
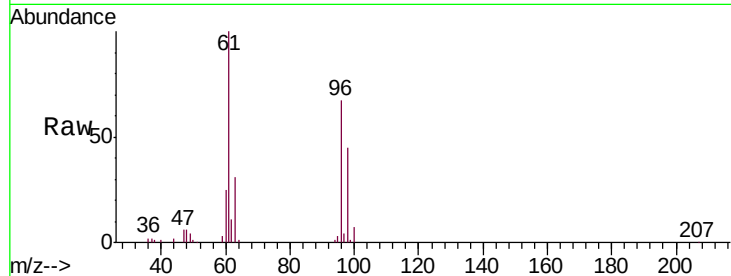
Tgt Ion: 96 Resp: 49649

Ion Ratio Lower Upper

96 100

61 148.9 101.2 187.8

98 66.3 44.0 81.6



#20

cis-1,2-Dichloroethene

Concen: 37.184 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033912.D

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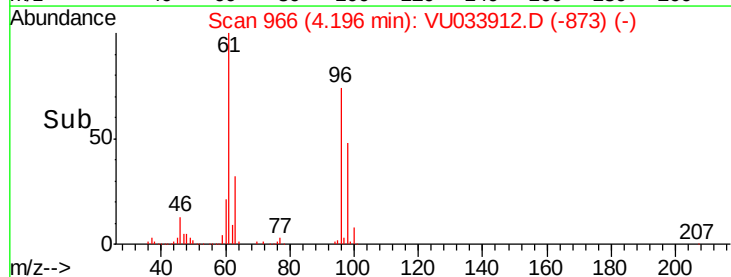
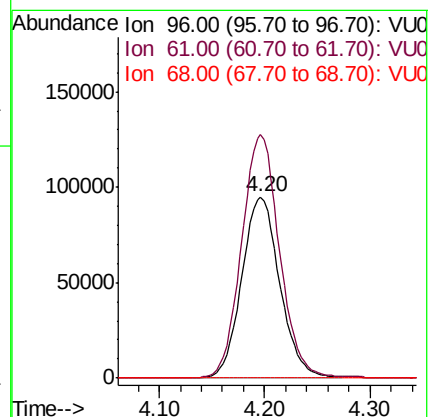
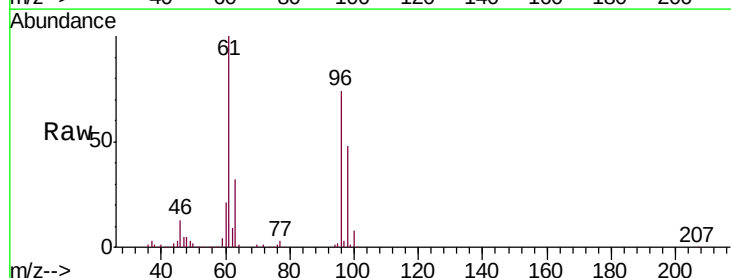
Tgt Ion: 96 Resp: 237950

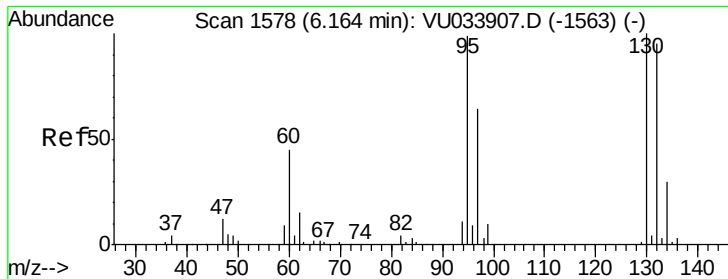
Ion Ratio Lower Upper

96 100

61 134.5 95.5 177.4

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 24.219 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

F2B86DL

Tgt Ion: 95 Resp: 150543

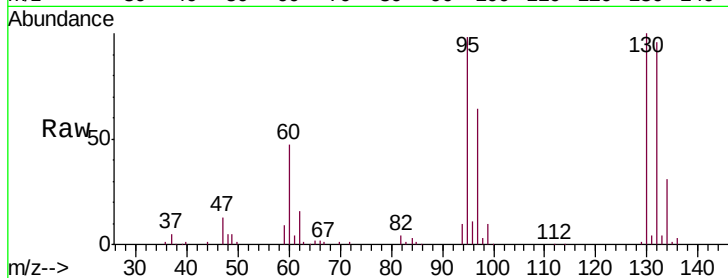
Ion Ratio Lower Upper

95 100

97 65.6 44.7 82.9

132 98.1 65.7 122.1

130 102.3 70.0 130.0

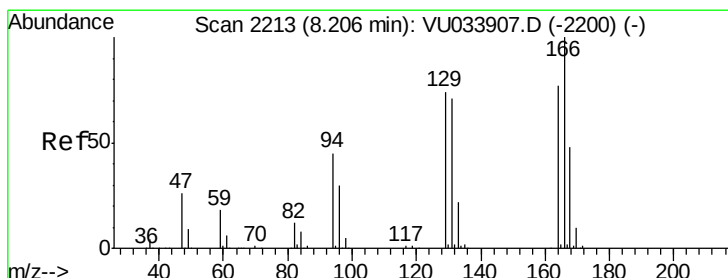
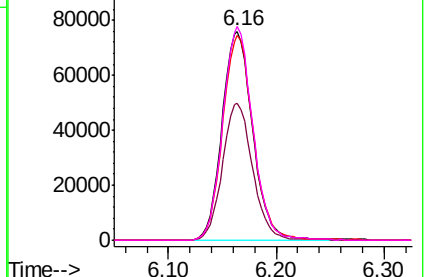
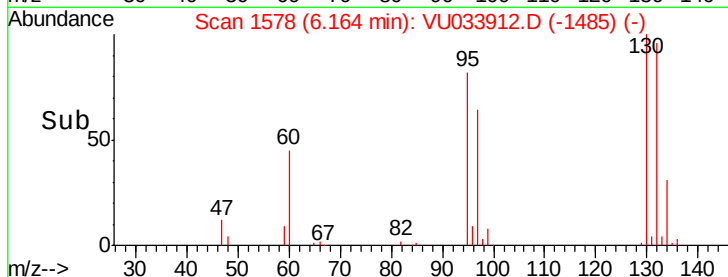


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#46

Tetrachloroethene

Concen: 6.277 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033912.D

Acq: 22 Aug 2019 20:18

Tgt Ion: 164 Resp: 30323

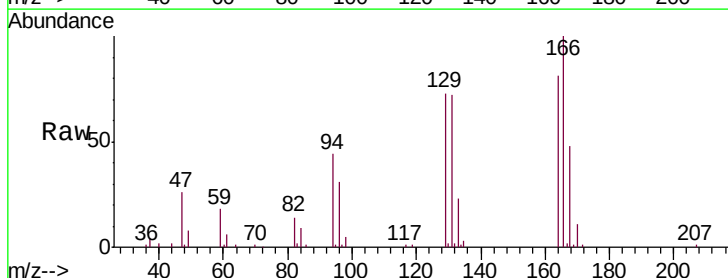
Ion Ratio Lower Upper

164 100

129 90.9 63.9 118.7

131 89.5 62.5 116.1

166 124.0 87.3 162.1

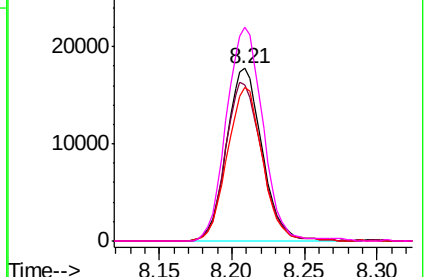
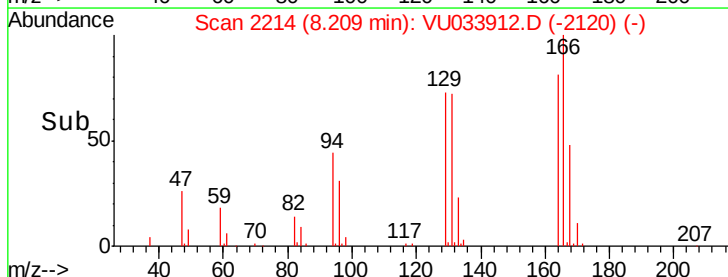


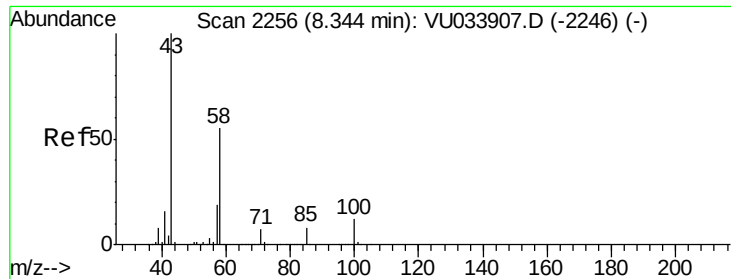
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

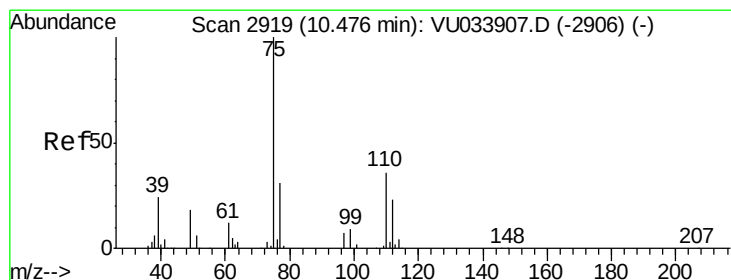
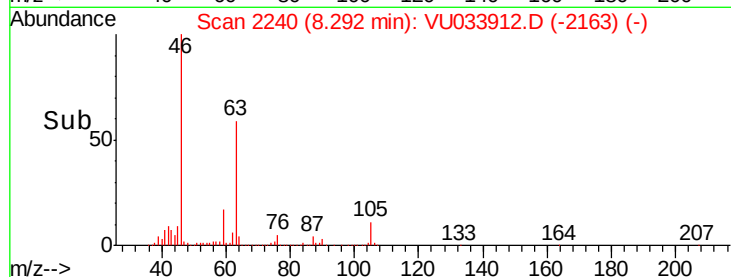
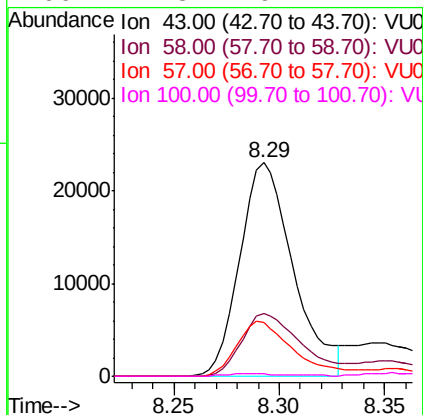
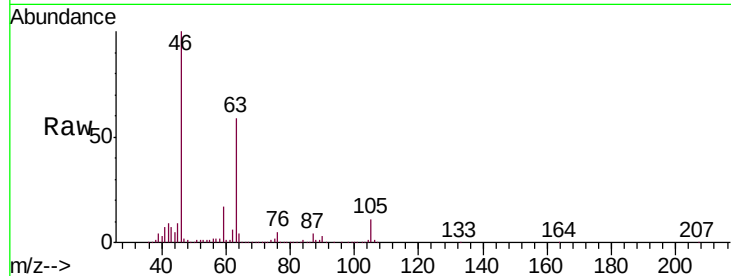




#48
 2-Hexanone
 Concen: 5.564 ug/L
 RT: 8.29 min Scan# 2240
 Delta R.T. -0.05 min
 Lab File: VU033912.D
 Acq: 22 Aug 2019 20:18

Instrument :
 MSVOA_U
 ClientSampleID :
 F2B86DL

Tgt Ion:	43	Resp:	40558
Ion	Ratio	Lower	Upper
43	100		
58	32.9	44.3	66.5#
57	26.7	15.3	22.9#
100	1.3	9.4	14.2#



#59
 1,2,3-Trichloropropane
 Concen: 5.196 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU033912.D
 Acq: 22 Aug 2019 20:18

Tgt Ion:	75	Resp:	43522
Ion	Ratio	Lower	Upper
75	100		
77	35.2	25.8	38.8

