

Data File : VU033937.D
Acq On : 23 Aug 2019 13:07
Operator : JC/SP
Sample : K4485-13DL 40X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B89DL

Quant Time: Aug 26 06:57:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 26 06:54:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	568793	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	585060	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	236892	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	218078	43.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.44%
7) Chloroethane-d5	1.67	69	187581	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.82%
11) 1,1-Dichloroethene-d2	2.25	63	323184	35.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.84%
21) 2-Butanone-d5	4.15	46	328785	97.95	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.95%
24) Chloroform-d	4.62	84	375116	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.28	65	264464	50.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.78%
32) Benzene-d6	5.31	84	799404	48.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	6.31	67	266244	49.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.74%
41) Toluene-d8	7.55	98	682083	45.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.84%
43) trans-1,3-Dichloropropene-	7.83	79	114108	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.70%
47) 2-Hexanone-d5	8.29	63	200441	89.38	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.38%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	349779	45.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.10%
64) 1,2-Dichlorobenzene-d4	11.84	152	247556	51.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.42%

Target Compounds

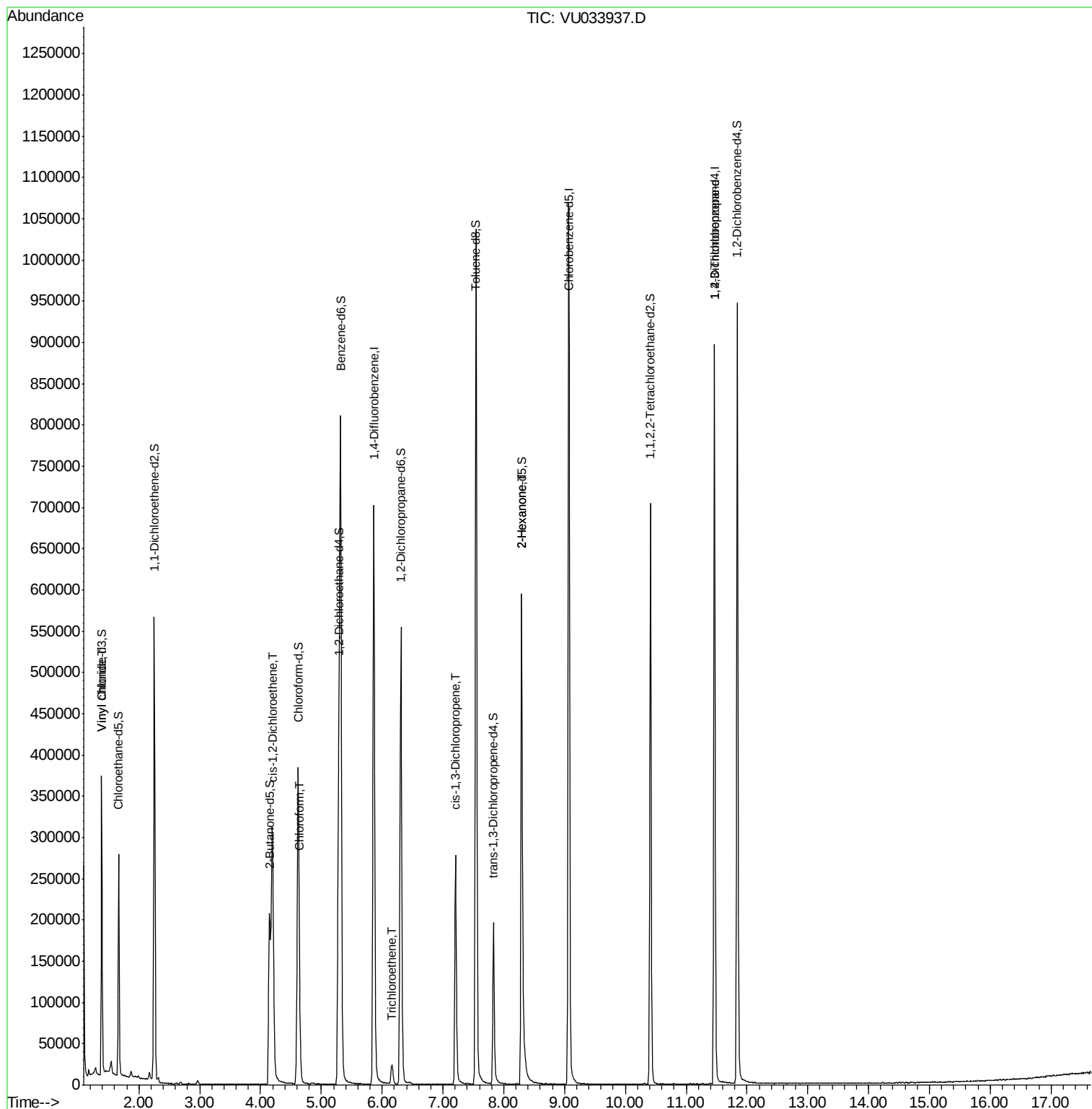
					Qvalue
5) Vinyl chloride	1.39	62	17016	2.863 ug/L #	43
20) cis-1,2-Dichloroethene	4.20	96	161660	35.644 ug/L	99
25) Chloroform	4.65	83	24734	3.041 ug/L	98
34) Trichloroethene	6.17	95	4874	1.062 ug/L	94
39) cis-1,3-Dichloropropene	7.21	75	6616	0.920 ug/L #	64
48) 2-Hexanone	8.30	43	28370	5.271 ug/L #	75
59) 1,2,3-Trichloropropane	11.47	75	28689	4.638 ug/L	92

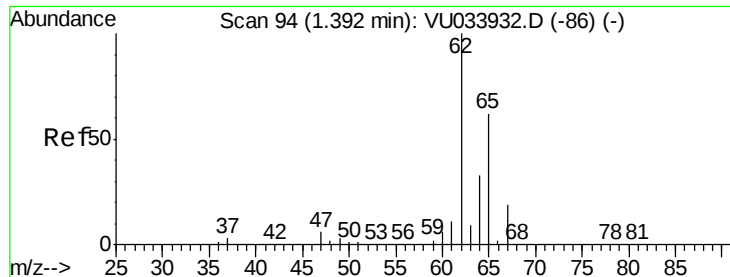
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.863 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

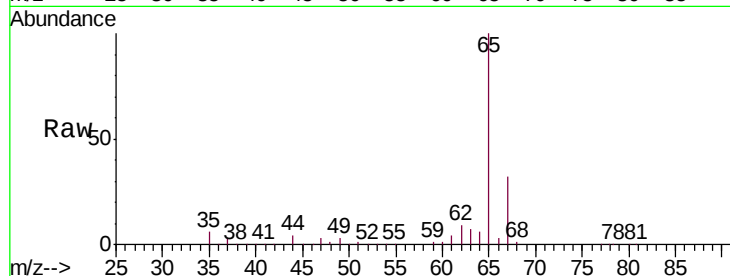
F2B89DL

Tgt Ion: 62 Resp: 17016

Ion Ratio Lower Upper

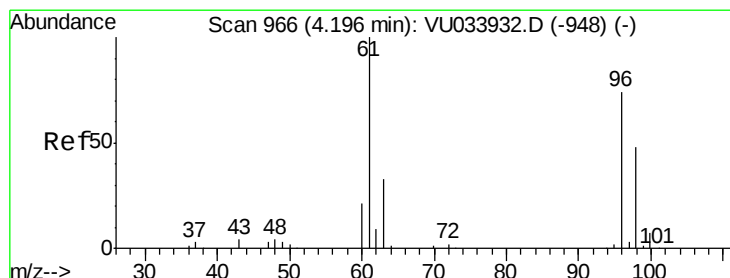
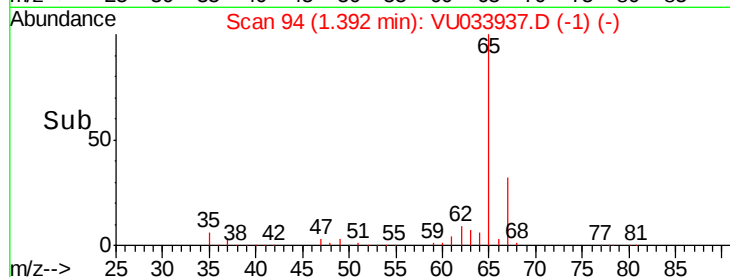
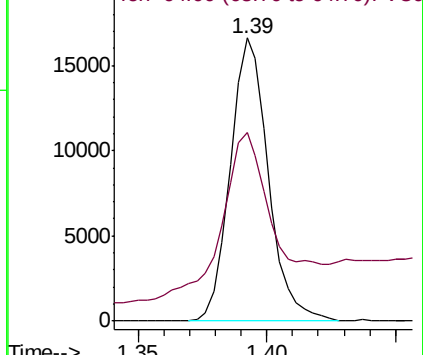
62 100

64 66.6 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 35.644 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033937.D

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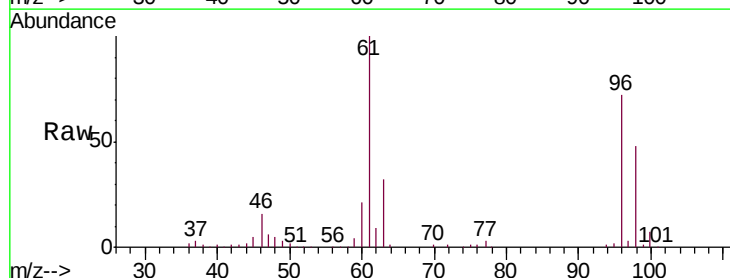
Tgt Ion: 96 Resp: 161660

Ion Ratio Lower Upper

96 100

61 138.2 95.5 177.4

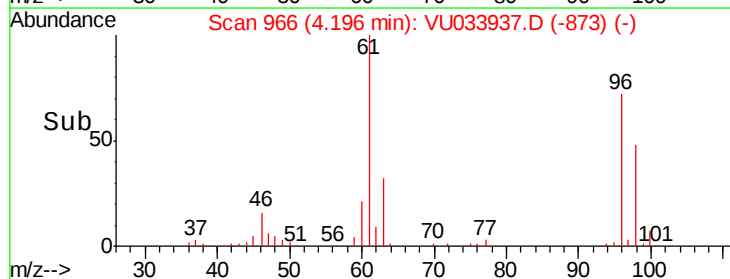
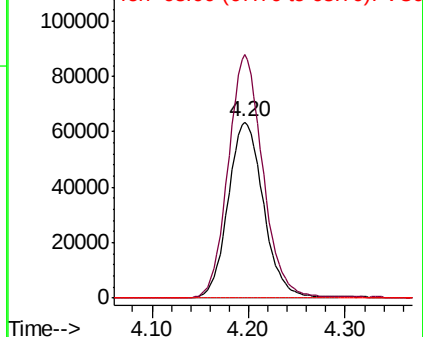
68 0.0 0.0 0.0

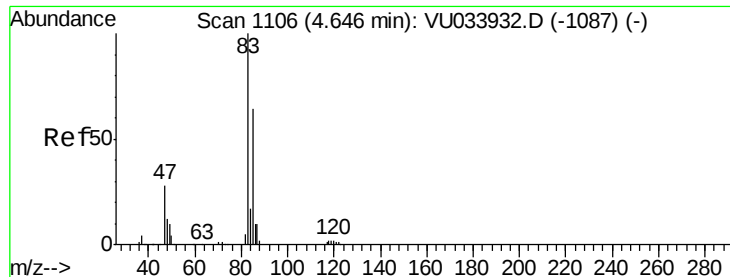


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#25

Chloroform

Concen: 3.041 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VU033937.D

Acq: 23 Aug 2019 13:07

Instrument :

MSVOA_U

ClientSampled :

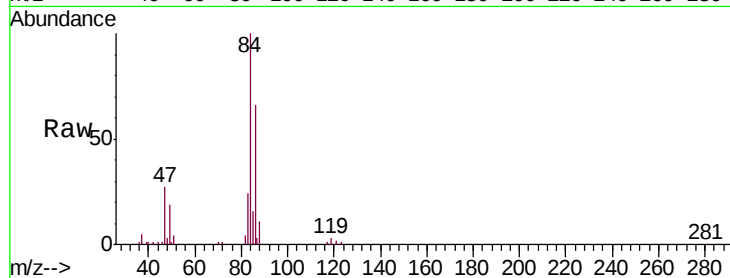
F2B89DL

Tgt Ion: 83 Resp: 24734

Ion Ratio Lower Upper

83 100

85 67.9 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VU033937.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033937.D (-1013) (-)

4.65

10000

8000

6000

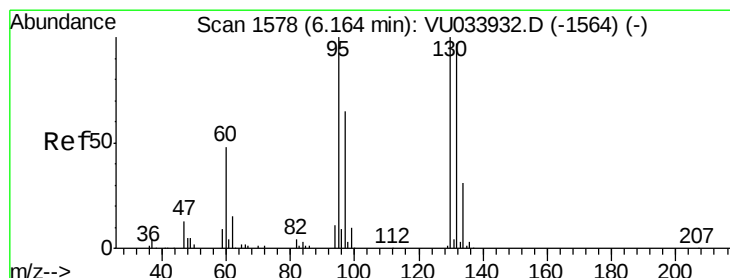
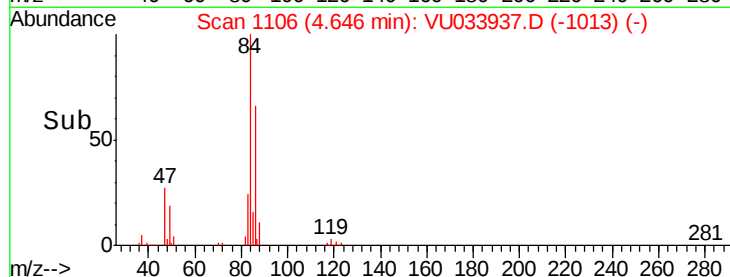
4000

2000

0

Time-->

4.55 4.60 4.65 4.70



#34

Trichloroethene

Concen: 1.062 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033937.D

Acq: 23 Aug 2019 13:07

Tgt Ion: 95 Resp: 4874

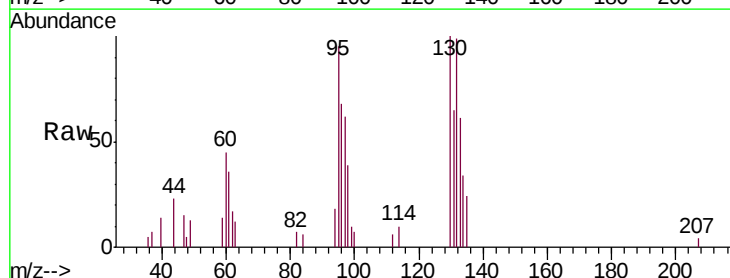
Ion Ratio Lower Upper

95 100

97 64.8 44.7 82.9

132 104.0 65.7 122.1

130 105.0 70.0 130.0



Abundance Ion 95.00 (94.70 to 95.70): VU033937.D (-1485) (-)

Ion 97.00 (96.70 to 97.70): VU033937.D (-1485) (-)

Ion 132.00 (131.70 to 132.70): VU033937.D (-1485) (-)

Ion 130.00 (129.70 to 130.70): VU033937.D (-1485) (-)

4000

3000

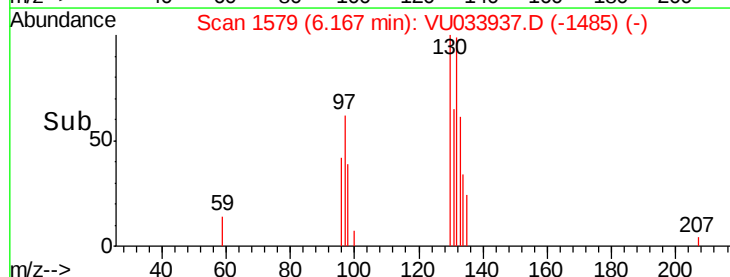
2000

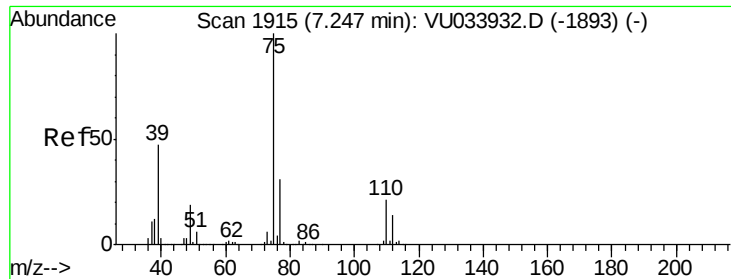
1000

0

Time-->

6.10 6.15 6.20 6.25

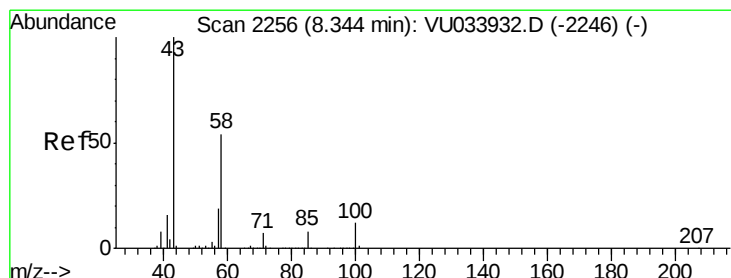
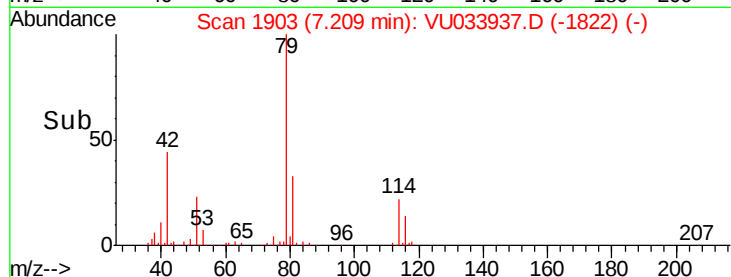
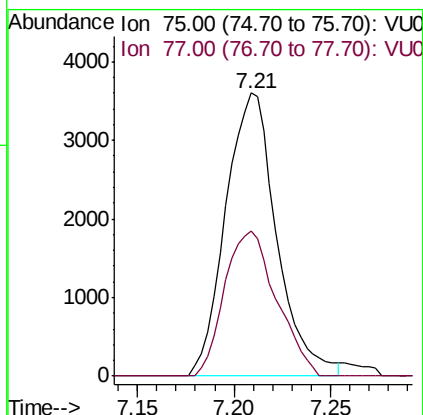
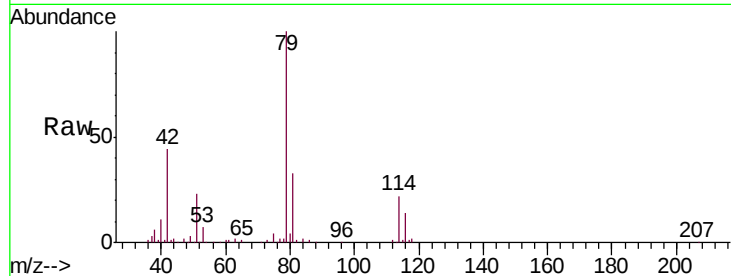




#39
 cis-1,3-Dichloropropene
 Concen: 0.920 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033937.D
 Acq: 23 Aug 2019 13:07

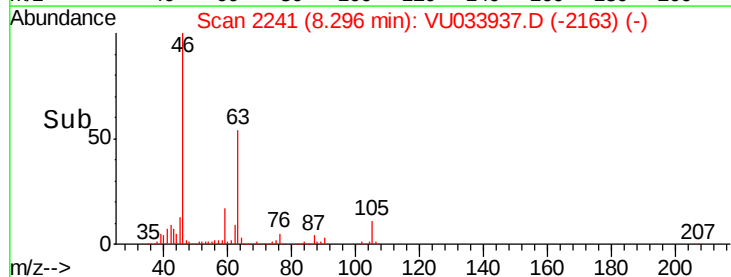
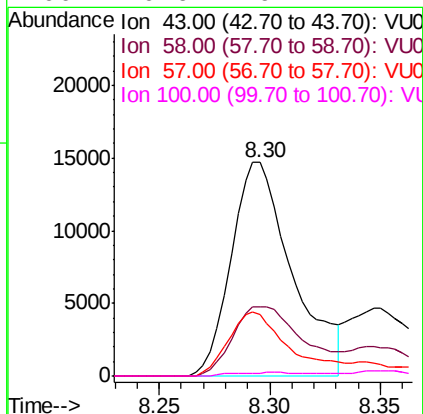
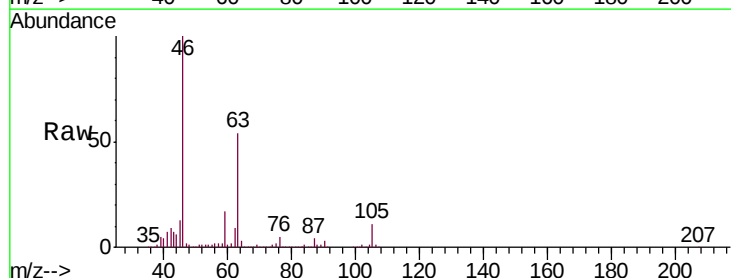
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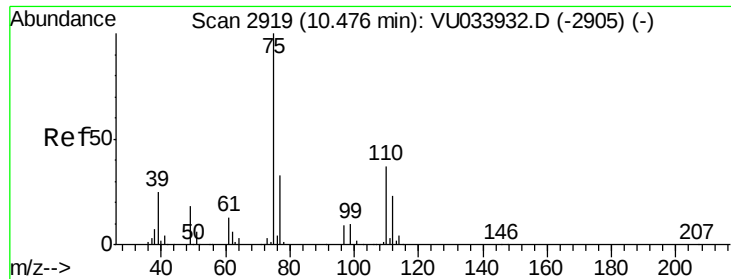
Tgt Ion: 75 Resp: 6616
 Ion Ratio Lower Upper
 75 100
 77 51.1 21.8 40.4#



#48
 2-Hexanone
 Concen: 5.271 ug/L
 RT: 8.30 min Scan# 2241
 Delta R.T. -0.05 min
 Lab File: VU033937.D
 Acq: 23 Aug 2019 13:07

Tgt Ion: 43 Resp: 28370
 Ion Ratio Lower Upper
 43 100
 58 37.4 44.3 66.5#
 57 30.3 15.3 22.9#
 100 0.6 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 4.638 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033937.D

Acq: 23 Aug 2019 13:07

Instrument :

MSVOA_U

ClientSampleId :

F2B89DL

Tgt Ion: 75 Resp: 28689

Ion Ratio Lower Upper

75 100

77 36.5 25.8 38.8

