

Data File : VU033936.D
Acq On : 23 Aug 2019 12:43
Operator : JC/SP
Sample : K4454-03DL 4X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B86DL

Quant Time: Aug 26 06:57:38 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	546930	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	551698	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	223141	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	206210	42.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.98%
7) Chloroethane-d5	1.67	69	176065	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.56%
11) 1,1-Dichloroethene-d2	2.25	63	304093	35.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.30%
21) 2-Butanone-d5	4.15	46	304321	94.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.29%
24) Chloroform-d	4.62	84	359506	46.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.08%
26) 1,2-Dichloroethane-d4	5.28	65	253568	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
32) Benzene-d6	5.31	84	759054	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.86%
36) 1,2-Dichloropropane-d6	6.31	67	254649	50.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.16%
41) Toluene-d8	7.55	98	651244	45.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.96%
43) trans-1,3-Dichloropropene-	7.83	79	108248	46.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.24%
47) 2-Hexanone-d5	8.29	63	189708	89.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.71%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	342505	47.30	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	11.84	152	238328	52.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.68%

Target Compounds

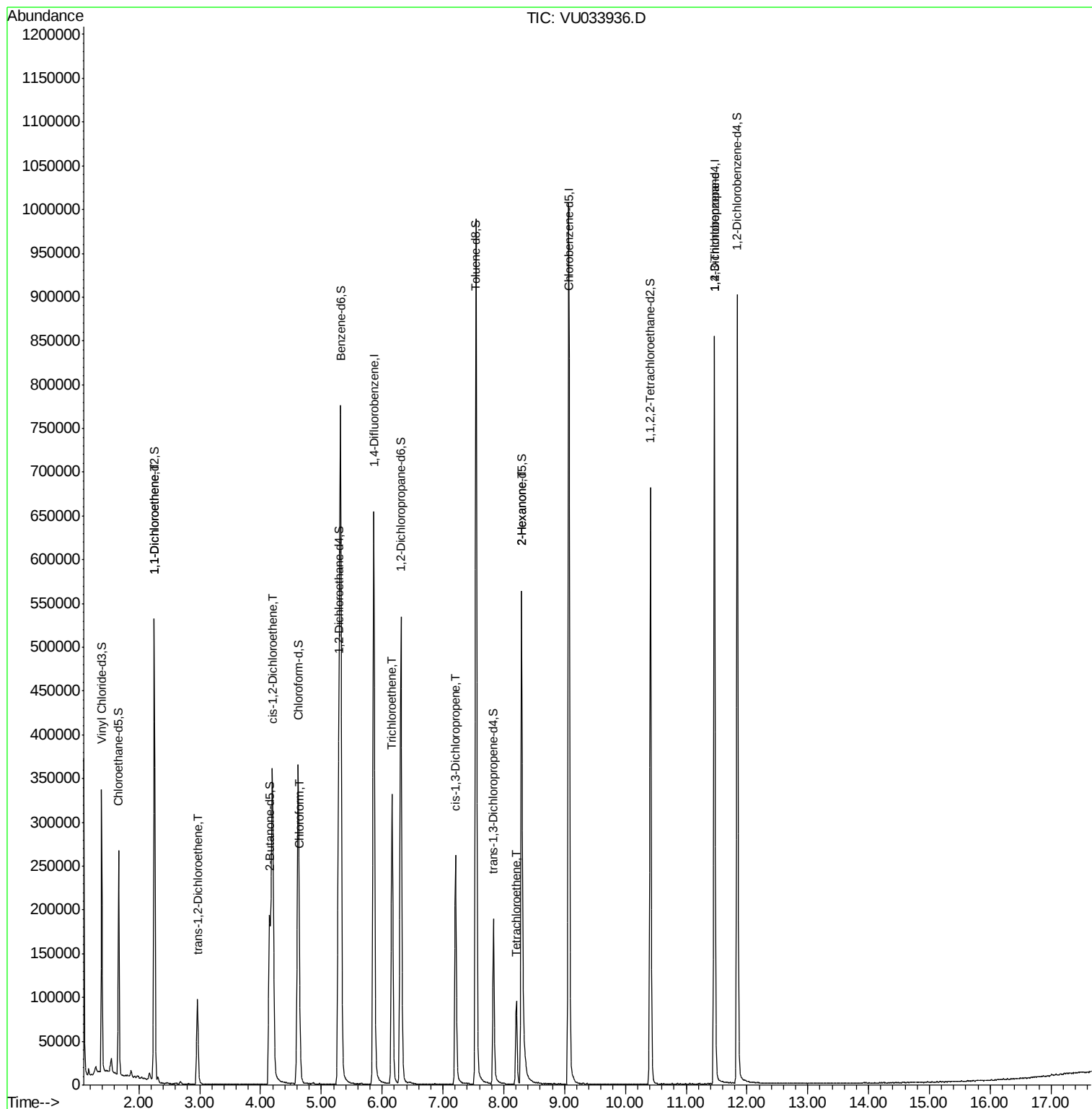
					Qvalue
12) 1,1-Dichloroethene	2.26	96	3399	0.921 ug/L #	1
17) trans-1,2-Dichloroethene	2.96	96	37502	9.466 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	188859	43.305 ug/L	100
25) Chloroform	4.65	83	21134	2.703 ug/L	97
34) Trichloroethene	6.16	95	115123	26.596 ug/L	99
39) cis-1,3-Dichloropropene	7.21	75	6266	0.924 ug/L #	63
46) Tetrachloroethene	8.21	164	21161	6.291 ug/L	95
48) 2-Hexanone	8.29	43	24747	4.876 ug/L #	75
59) 1,2,3-Trichloropropane	11.47	75	29131	4.994 ug/L	96

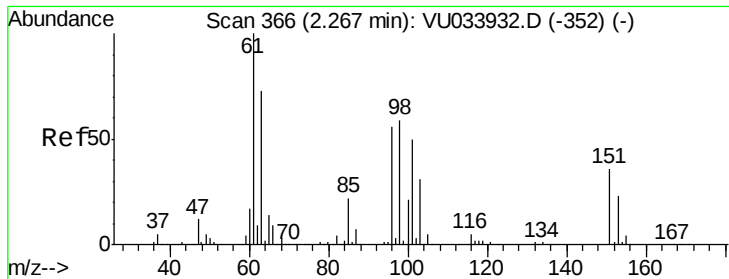
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.921 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033936.D

Acq: 23 Aug 2019 12:43

Instrument :

MSVOA_U

ClientSampled :

F2B86DL

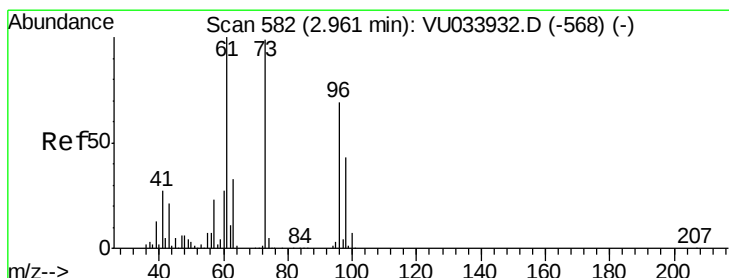
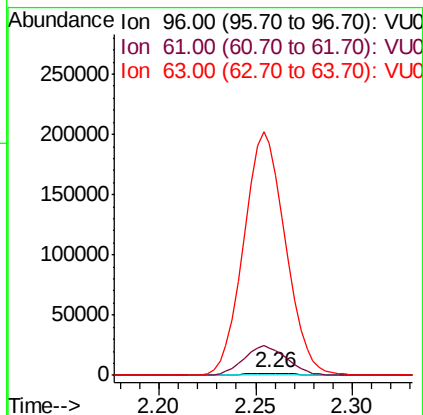
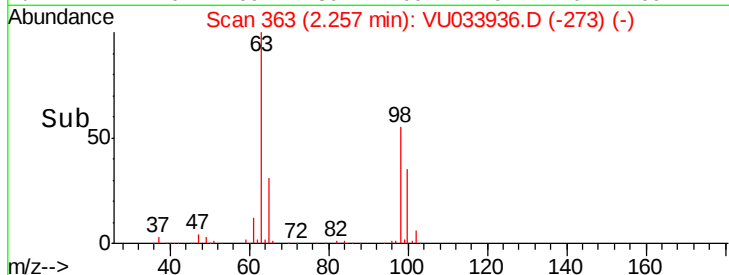
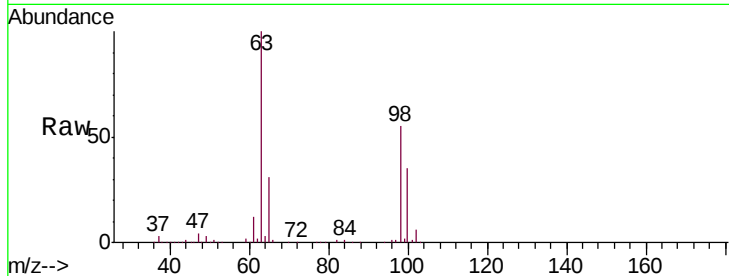
Tgt Ion: 96 Resp: 3399

Ion Ratio Lower Upper

96 100

61 1211.9 124.7 231.5#

63 10073.4 97.9 181.9#



#17

trans-1,2-Dichloroethene

Concen: 9.466 ug/L

RT: 2.96 min Scan# 582

Delta R.T. 0.00 min

Lab File: VU033936.D

Acq: 23 Aug 2019 12:43

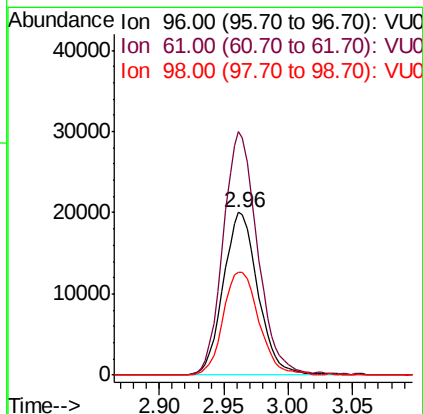
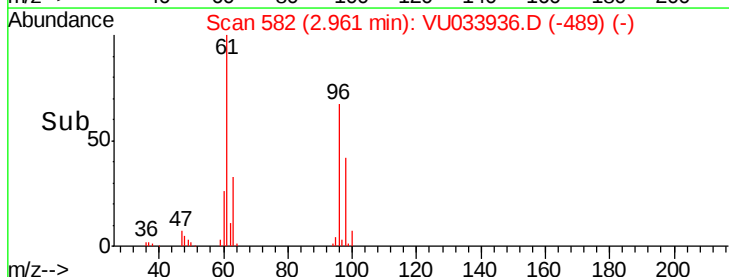
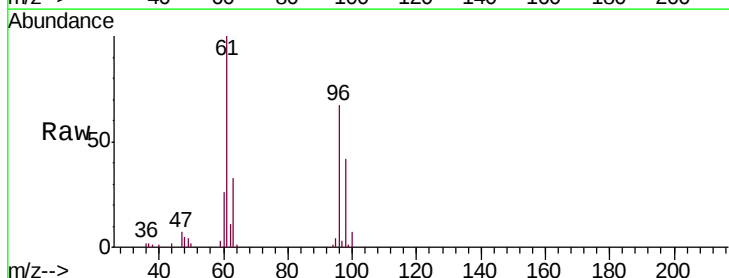
Tgt Ion: 96 Resp: 37502

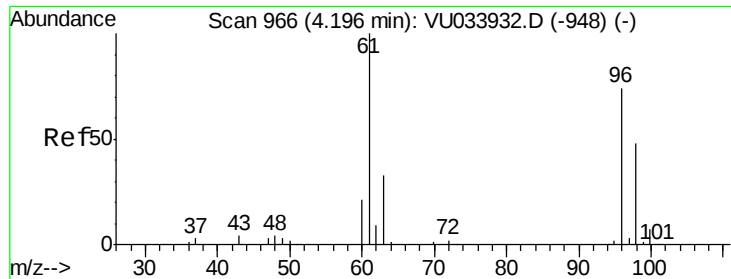
Ion Ratio Lower Upper

96 100

61 149.7 101.2 187.8

98 63.5 44.0 81.6

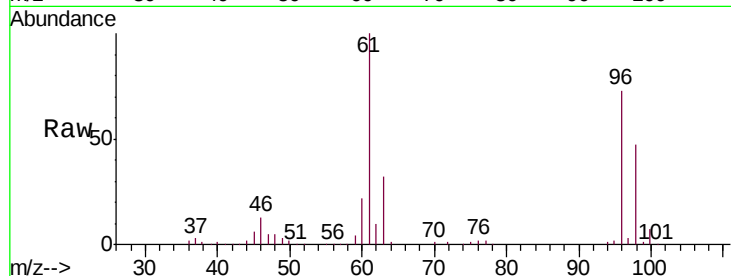




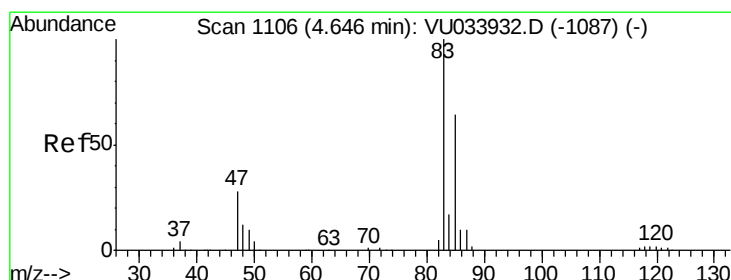
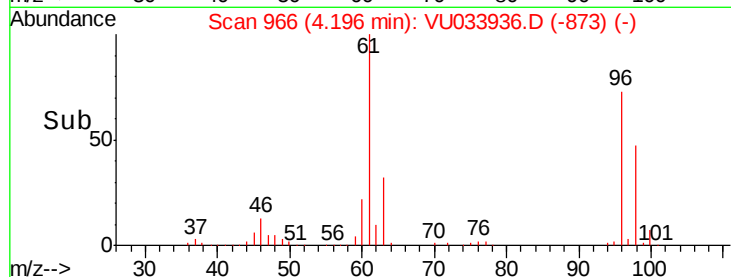
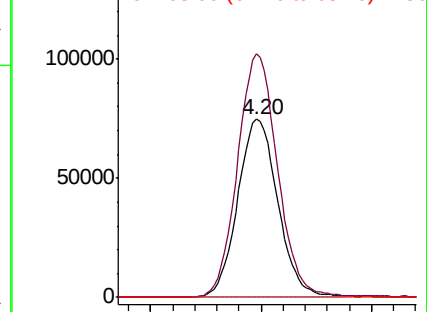
#20
 cis-1,2-Dichloroethene
 Concen: 43.305 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. 0.00 min
 Lab File: VU033936.D
 Acq: 23 Aug 2019 12:43

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B86DL

Tgt Ion: 96 Resp: 188859
 Ion Ratio Lower Upper
 96 100
 61 136.9 95.5 177.4
 68 0.0 0.0 0.0

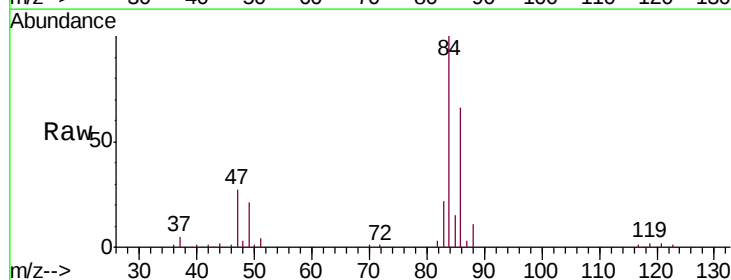


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

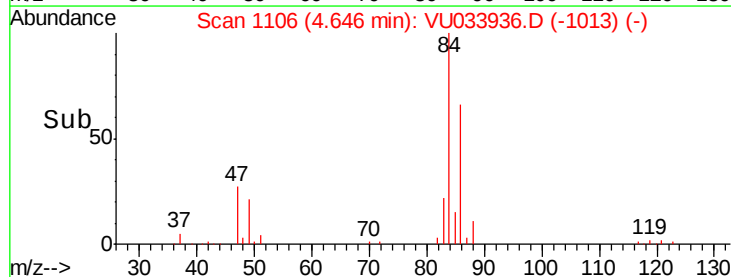
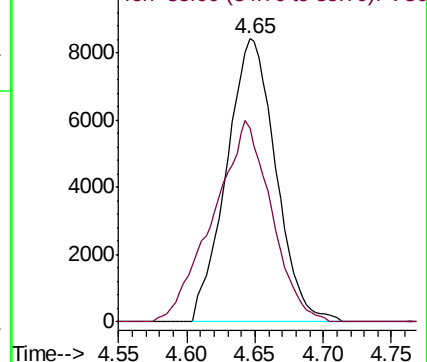


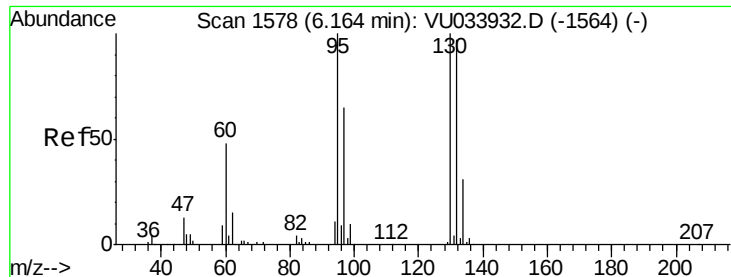
#25
 Chloroform
 Concen: 2.703 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VU033936.D
 Acq: 23 Aug 2019 12:43

Tgt Ion: 83 Resp: 21134
 Ion Ratio Lower Upper
 83 100
 85 68.4 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 26.596 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU033936.D

Acq: 23 Aug 2019 12:43

Instrument :

MSVOA_U

ClientSampled :

F2B86DL

Tgt Ion: 95 Resp: 115123

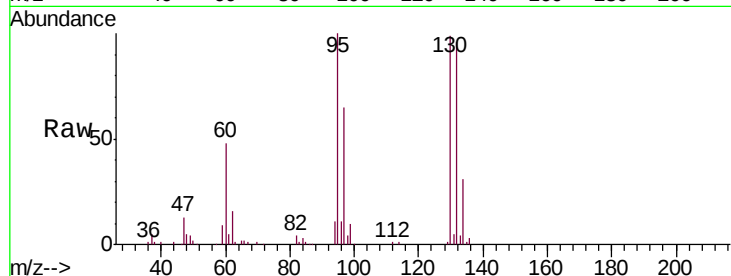
Ion Ratio Lower Upper

95 100

97 64.6 44.7 82.9

132 95.6 65.7 122.1

130 98.9 70.0 130.0

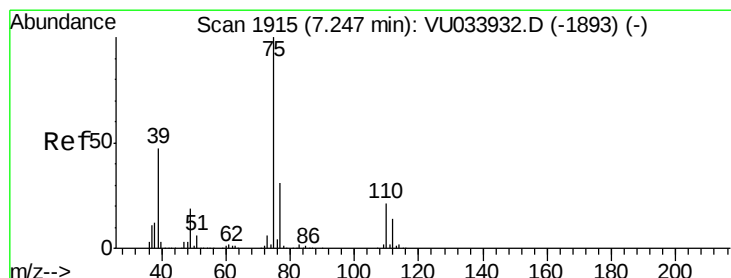
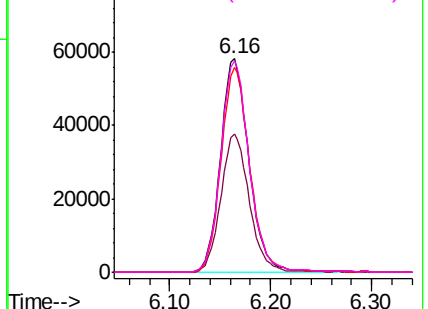
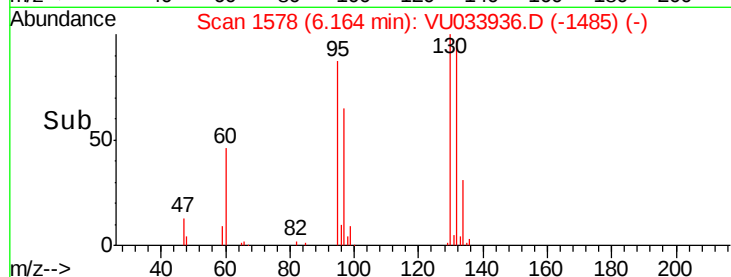


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033936.D

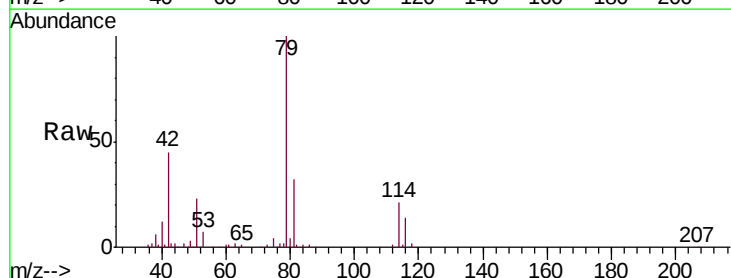
Acq: 23 Aug 2019 12:43

Tgt Ion: 75 Resp: 6266

Ion Ratio Lower Upper

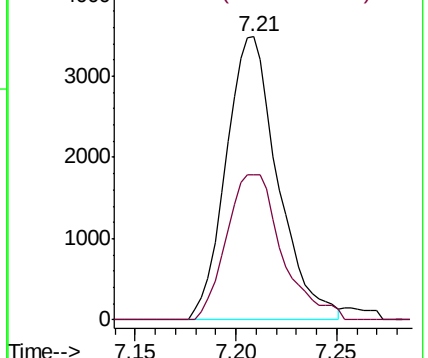
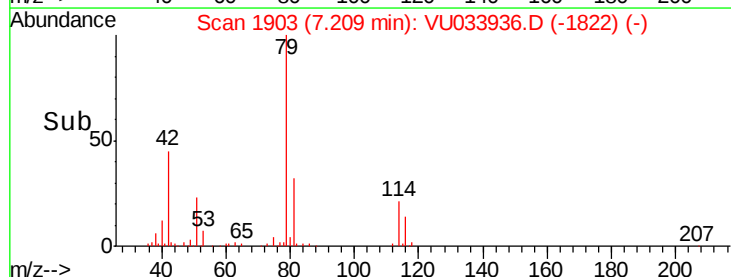
75 100

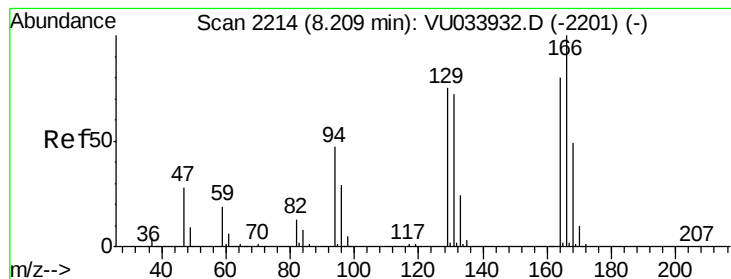
77 51.5 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#46

Tetrachloroethene

Concen: 6.291 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033936.D

Acq: 23 Aug 2019 12:43

Instrument :

MSVOA_U

ClientSampleId :

F2B86DL

Tgt Ion:164 Resp: 21161

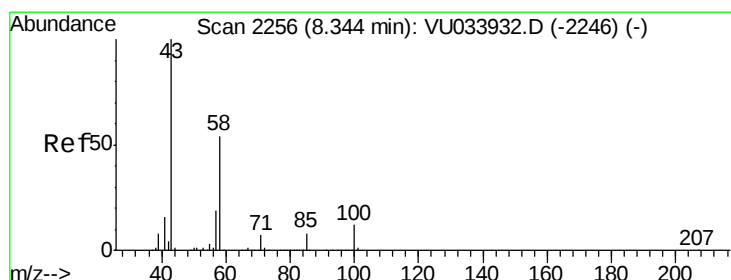
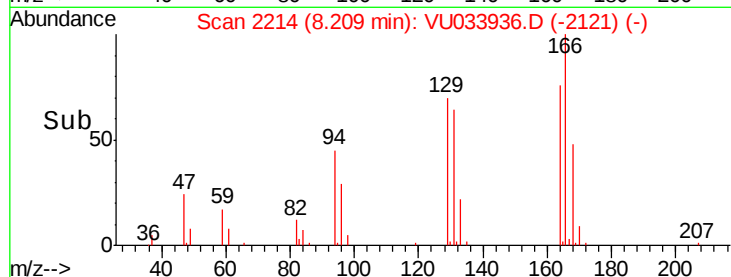
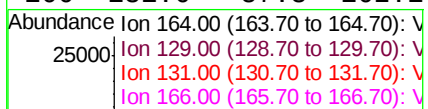
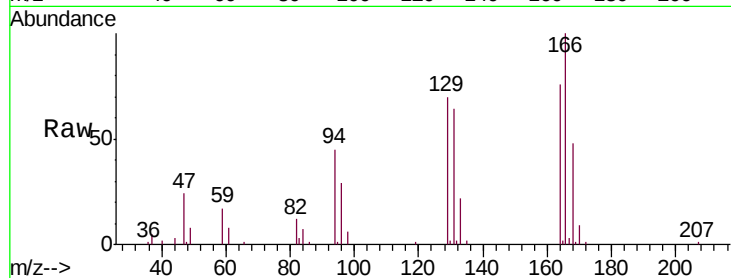
Ion Ratio Lower Upper

164 100

129 92.8 63.9 118.7

131 84.4 62.5 116.1

166 131.6 87.3 162.1



#48

2-Hexanone

Concen: 4.876 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.05 min

Lab File: VU033936.D

Acq: 23 Aug 2019 12:43

Tgt Ion: 43 Resp: 24747

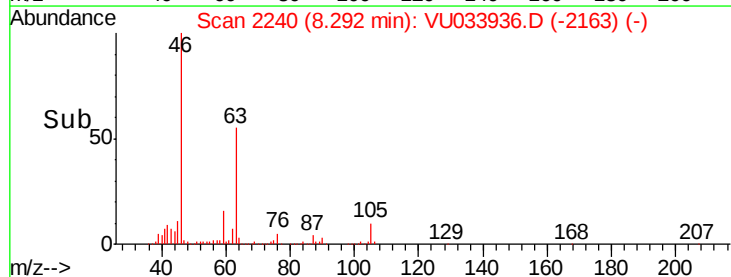
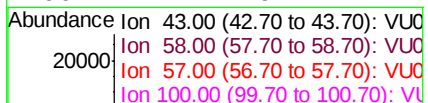
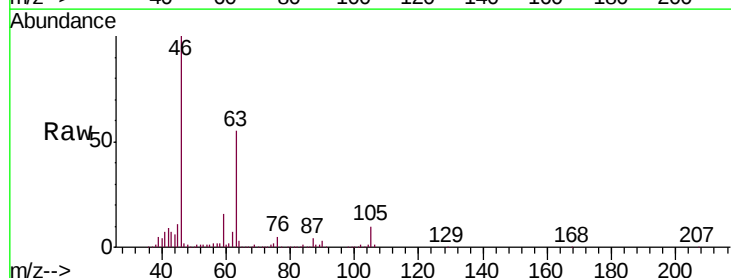
Ion Ratio Lower Upper

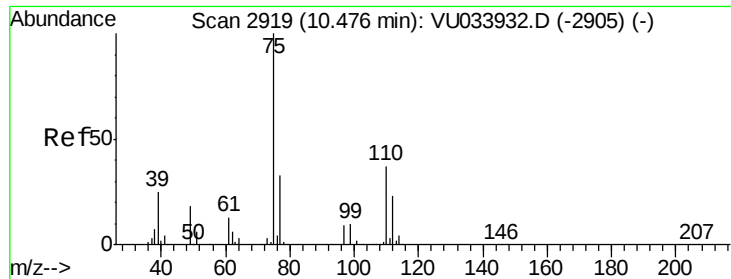
43 100

58 39.0 44.3 66.5#

57 32.9 15.3 22.9#

100 1.4 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 4.994 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033936.D

Acq: 23 Aug 2019 12:43

Instrument :

MSVOA_U

ClientSampleId :

F2B86DL

Tgt Ion: 75 Resp: 29131

Ion Ratio Lower Upper

75 100

77 34.8 25.8 38.8

