

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\
 Data File : VU033915.D
 Acq On : 22 Aug 2019 21:29
 Operator : JC/SP
 Sample : K4454-08DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2C00DL

Quant Time: Aug 23 04:32:44 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	571230	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	566973	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	240224	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	182488	36.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.86%
7) Chloroethane-d5	1.67	69	162412	40.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.74%
11) 1,1-Dichloroethene-d2	2.25	63	273200	30.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.46%
21) 2-Butanone-d5	4.15	46	350878	104.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.09%
24) Chloroform-d	4.62	84	371638	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
26) 1,2-Dichloroethane-d4	5.28	65	246020	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.36%
32) Benzene-d6	5.31	84	723134	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.80%
36) 1,2-Dichloropropane-d6	6.31	67	248614	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.14%
41) Toluene-d8	7.55	98	596535	40.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	81.98%
43) trans-1,3-Dichloropropene-	7.83	79	100810	41.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.60%
47) 2-Hexanone-d5	8.29	63	225260	103.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.65%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	350561	47.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	239314	48.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.64%

Target Compounds

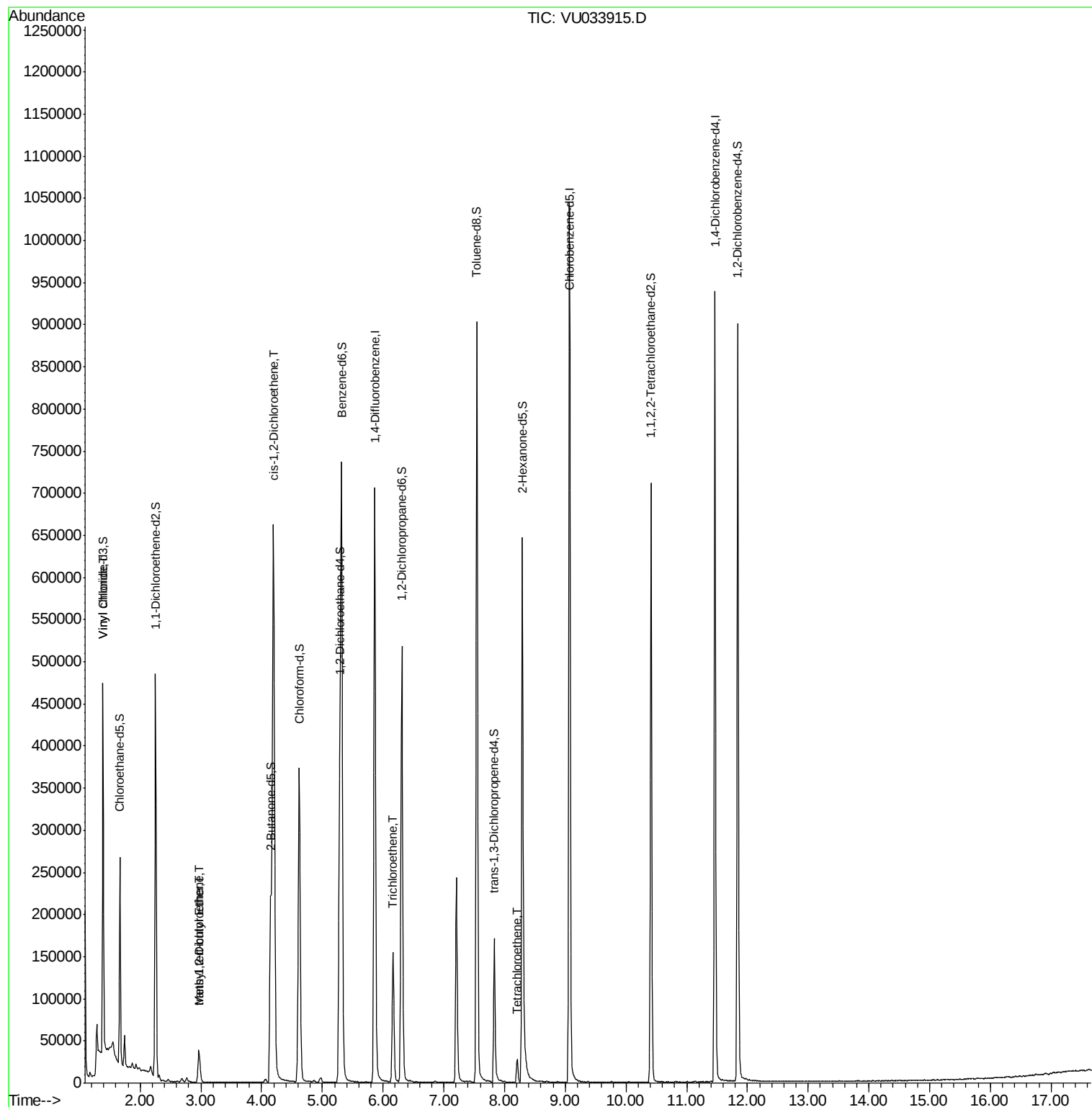
					Ovalue
5) Vinyl chloride	1.39	62	107998	18.095	ug/L # 68
17) trans-1,2-Dichloroethene	2.96	96	9183	2.219	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	18061	1.442	ug/L # 88
20) cis-1,2-Dichloroethene	4.20	96	358337	78.672	ug/L 98
34) Trichloroethene	6.16	95	51862	11.659	ug/L 98
46) Tetrachloroethene	8.21	164	6577	1.902	ug/L 93

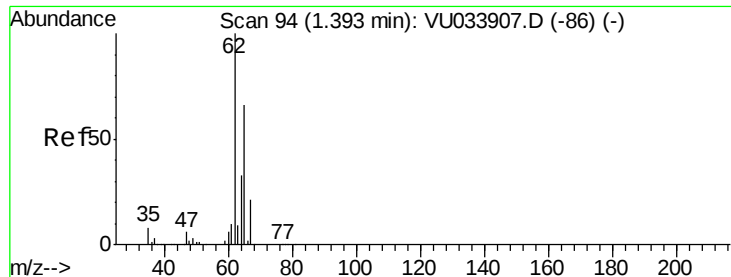
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 23 02:53:44 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 18.095 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033915.D

Acq: 22 Aug 2019 21:29

Instrument :

MSVOA_U

ClientSampleID :

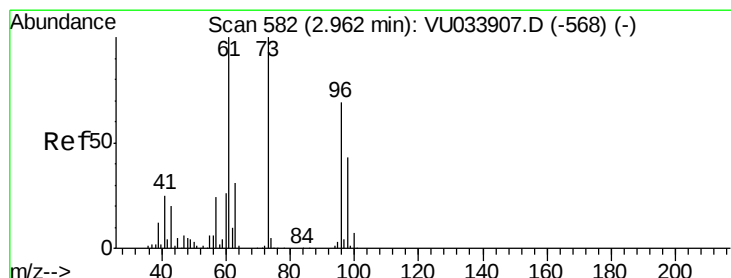
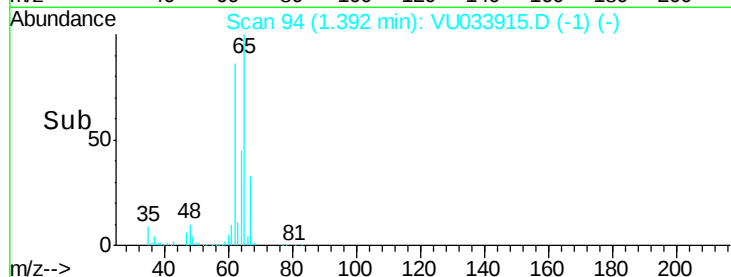
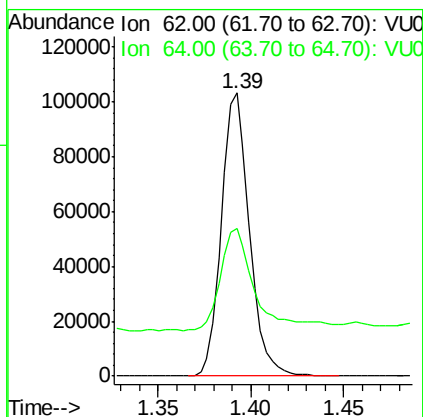
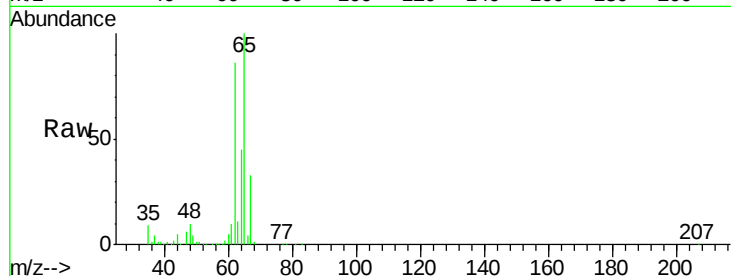
F2C00DL

Tot Ion: 62 Resp: 107998

Ion Ratio Lower Upper

62 100

64 52.0 23.7 44.1#



#17

trans-1,2-Dichloroethene

Concen: 2.219 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033915.D

Acq: 22 Aug 2019 21:29

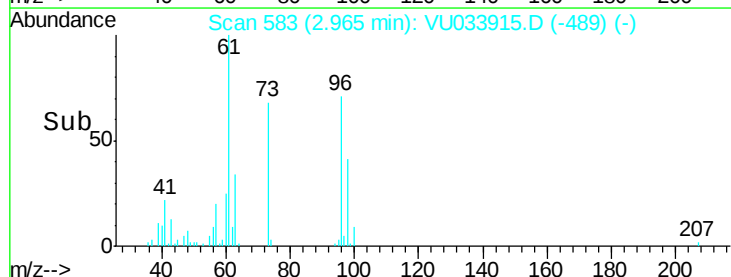
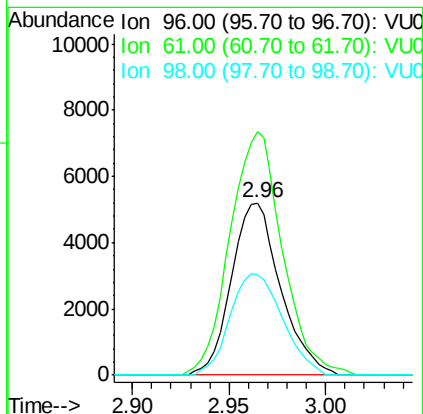
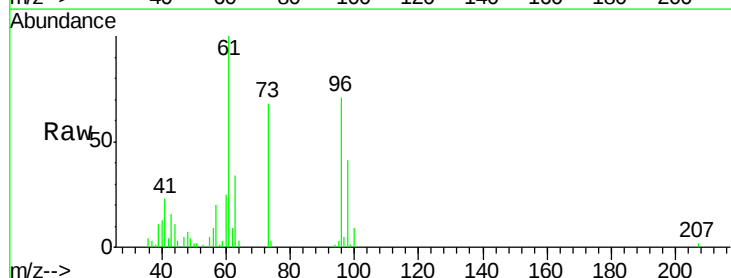
Tgt Ion: 96 Resp: 9183

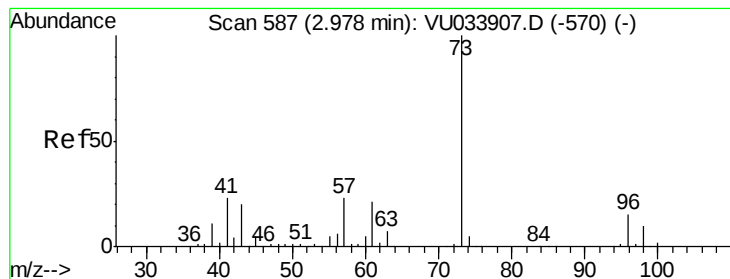
Ion Ratio Lower Upper

96 100

61 141.3 101.2 187.8

98 58.4 44.0 81.6



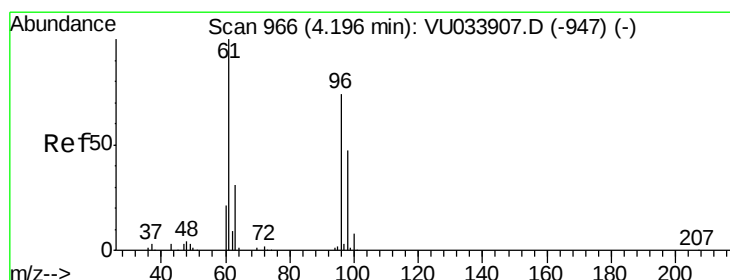
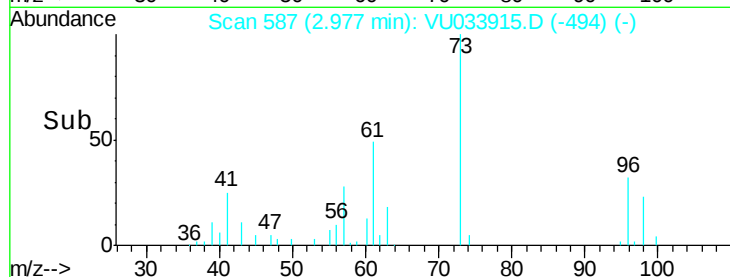
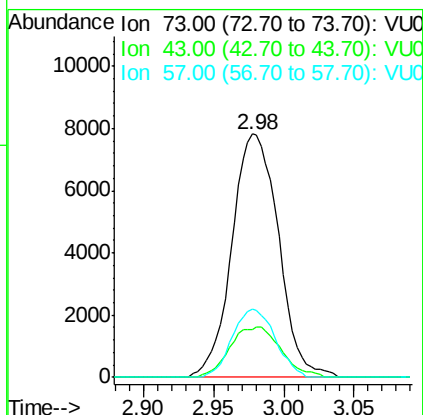
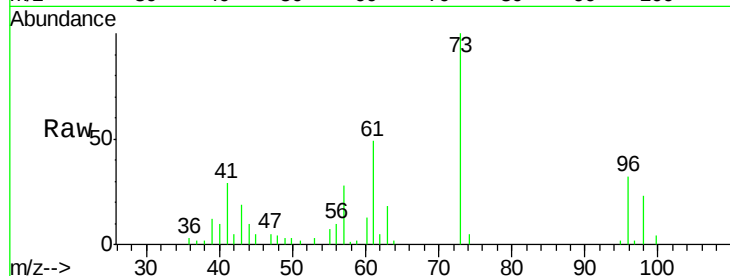


#18

Methvl tert-butvl Ether
 Concen: 1.442 ug/L
 RT: 2.98 min Scan# 587
 Delta R.T. -0.00 min
 Lab File: VU033915.D
 Acq: 22 Aug 2019 21:29

Instrument :
 MSVOA_U
 ClientSampleId :
 F2C00DL

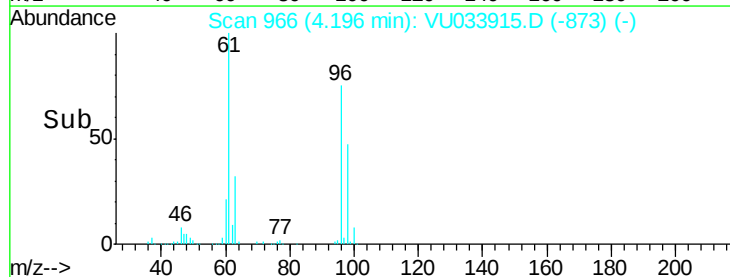
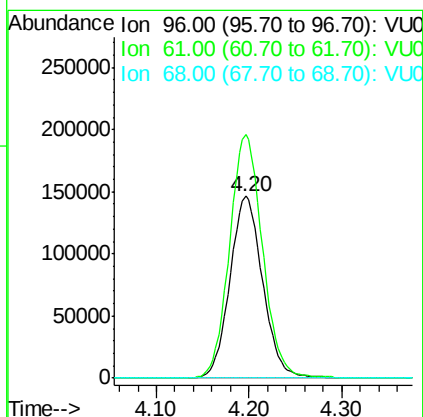
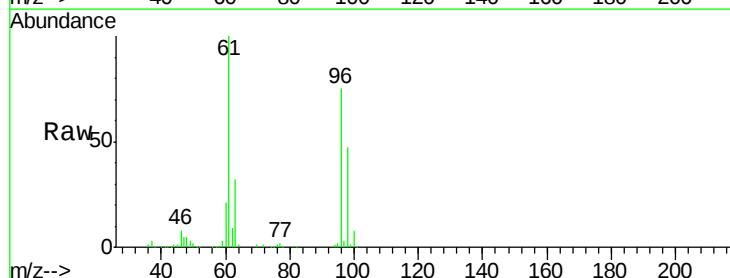
Tot Ion: 73 Resp: 18061
 Ion Ratio Lower Upper
 73 100
 43 10.8 16.3 24.5#
 57 25.7 18.8 28.2

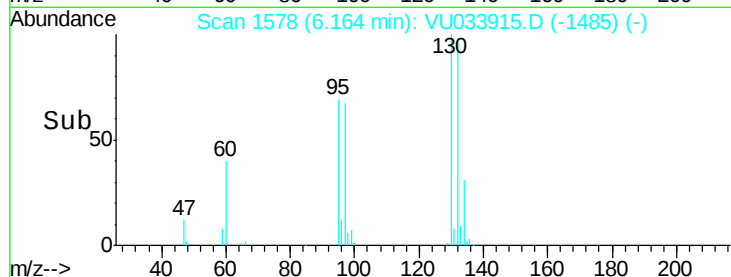
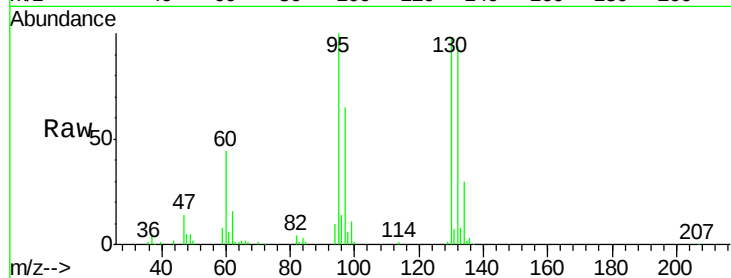
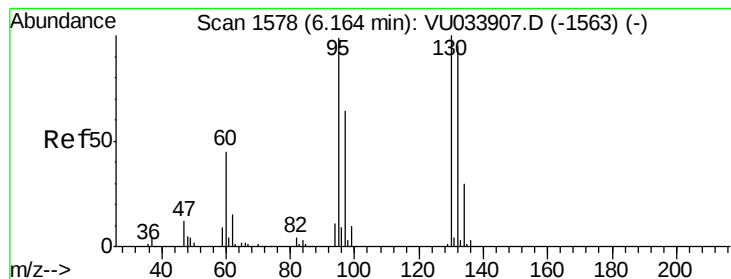


#20

cis-1,2-Dichloroethene
 Concen: 78.672 ug/L
 RT: 4.20 min Scan# 966
 Delta R.T. -0.00 min
 Lab File: VU033915.D
 Acq: 22 Aug 2019 21:29

Tgt Ion: 96 Resp: 358337
 Ion Ratio Lower Upper
 96 100
 61 133.8 95.5 177.4
 68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 11.659 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033915.D

Acq: 22 Aug 2019 21:29

Instrument :

MSVOA_U

ClientSampleId :

F2C00DL

Tot Ion: 95 Resp: 51862

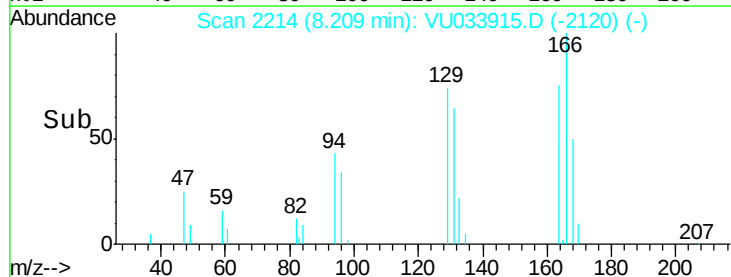
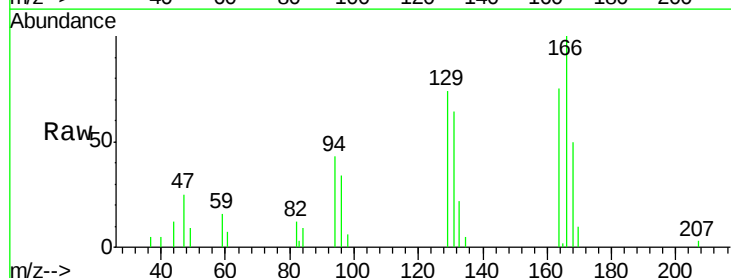
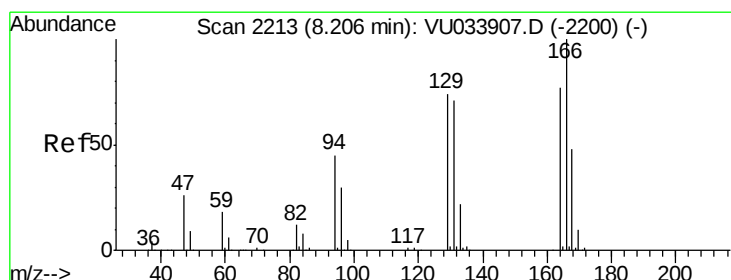
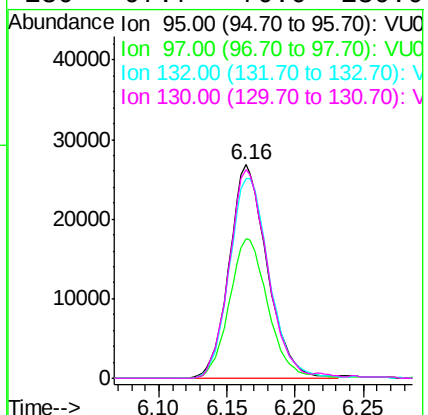
Ion Ratio Lower Upper

95 100

97 65.4 44.7 82.9

132 93.6 65.7 122.1

130 97.7 70.0 130.0



#46

Tetrachloroethene

Concen: 1.902 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033915.D

Acq: 22 Aug 2019 21:29

Tgt Ion: 164 Resp: 6577

Ion Ratio Lower Upper

164 100

129 98.8 63.9 118.7

131 85.6 62.5 116.1

166 133.6 87.3 162.1

