

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082219\
 Data File : VV012344.D
 Acq On : 22 Aug 2019 13:51
 Operator : SY/MD
 Sample : K4454-12DL 5X
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2C08DL

Quant Time: Aug 23 07:13:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 06:55:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	191009	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	183109	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	84295	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39631	43.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.64%
7) Chloroethane-d5	1.58	69	31029	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.72%
11) 1,1-Dichloroethene-d2	2.13	63	64049	35.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.96%
21) 2-Butanone-d5	3.92	46	56256	79.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.81%
24) Chloroform-d	4.40	84	121204	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.08	65	96404	54.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.78%
32) Benzene-d6	5.10	84	236469	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
36) 1,2-Dichloropropane-d6	6.12	67	63473	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.14%
41) Toluene-d8	7.36	98	227011	47.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	7.66	79	36259	44.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.16%
47) 2-Hexanone-d5	8.13	63	43813	80.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.39%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	88094	46.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.68%
64) 1,2-Dichlorobenzene-d4	11.67	152	97036	52.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.72%

Target Compounds

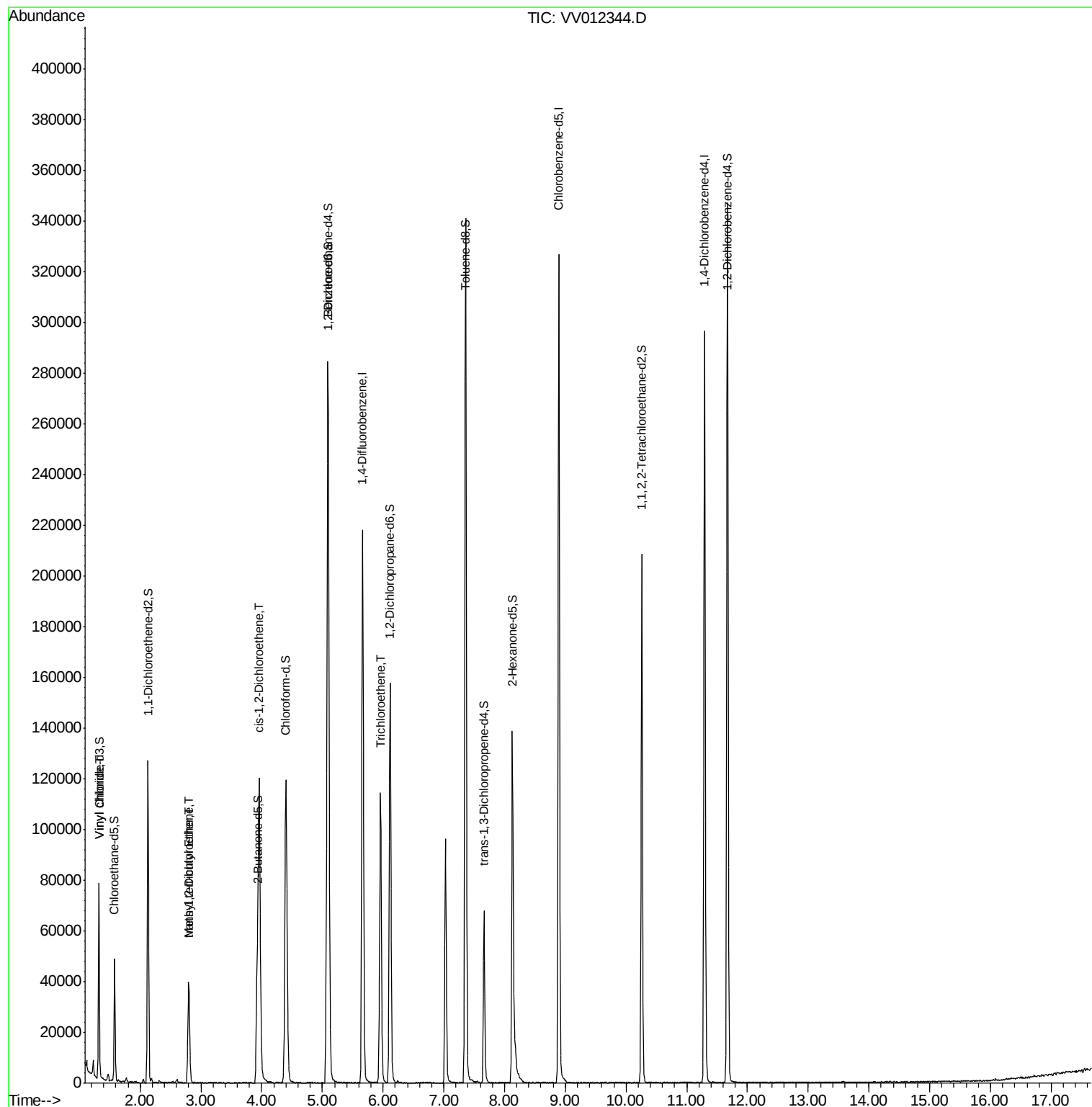
					Ovalue
5) Vinyl chloride	1.33	62	6770	7.339 ug/L	# 80
17) trans-1,2-Dichloroethene	2.79	96	3468	2.983 ug/L	89
18) Methyl tert-butyl Ether	2.80	73	33034	8.576 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	60422	46.701 ug/L	97
34) Trichloroethene	5.96	95	34560	25.565 ug/L	97

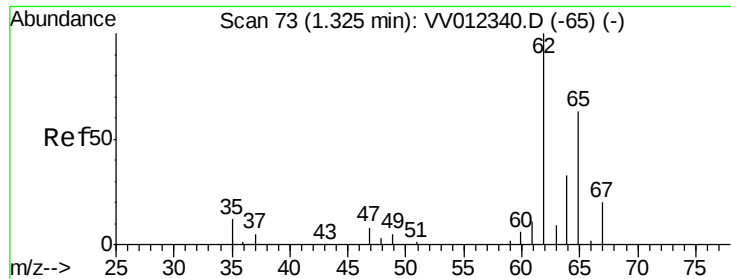
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.339 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Instrument :

MSVOA_V

ClientSampled :

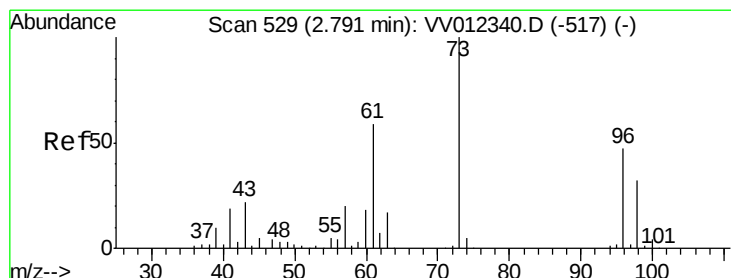
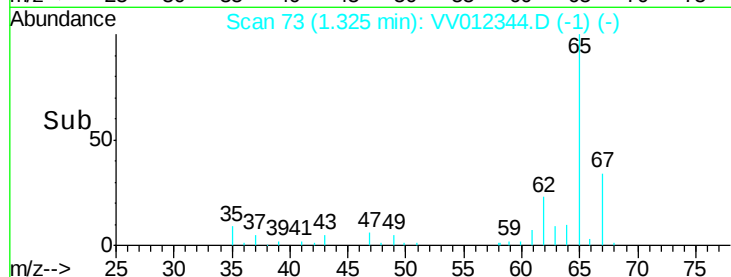
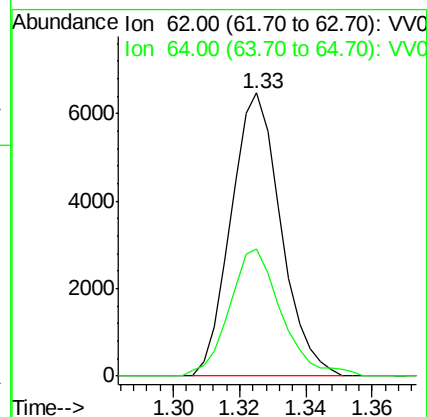
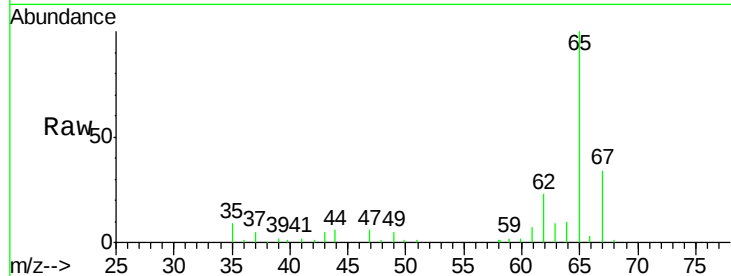
F2C08DL

Tot Ion: 62 Resp: 6770

Ion Ratio Lower Upper

62 100

64 45.1 23.5 43.7#



#17

trans-1,2-Dichloroethene

Concen: 2.983 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

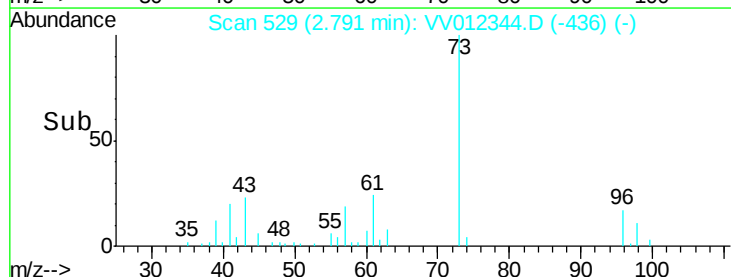
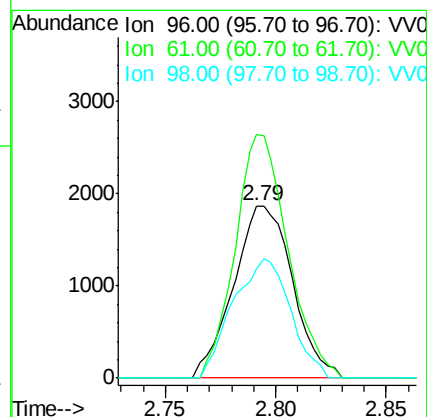
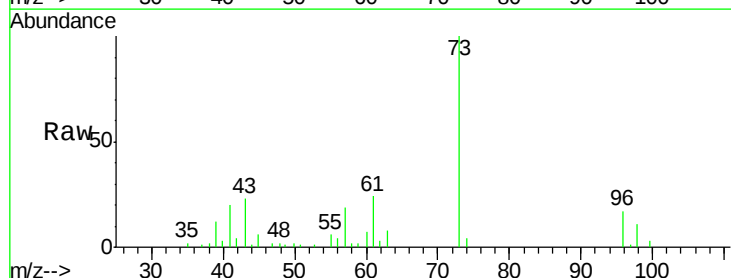
Tgt Ion: 96 Resp: 3468

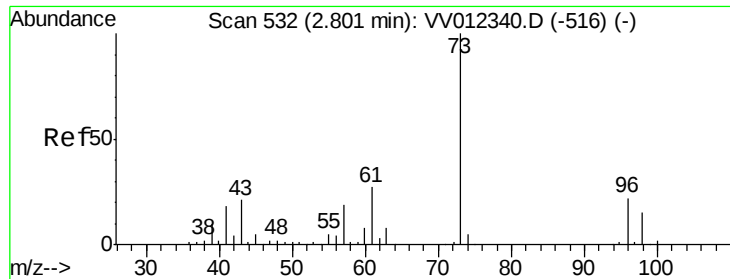
Ion Ratio Lower Upper

96 100

61 141.4 87.0 161.6

98 63.8 43.8 81.4

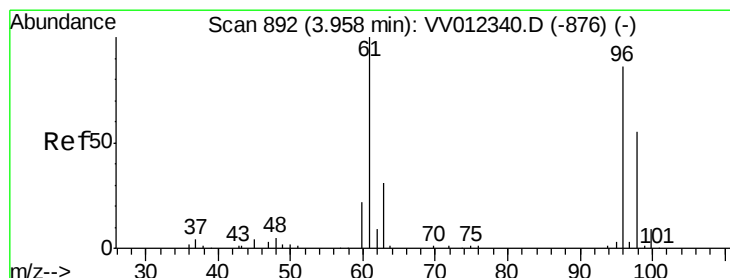
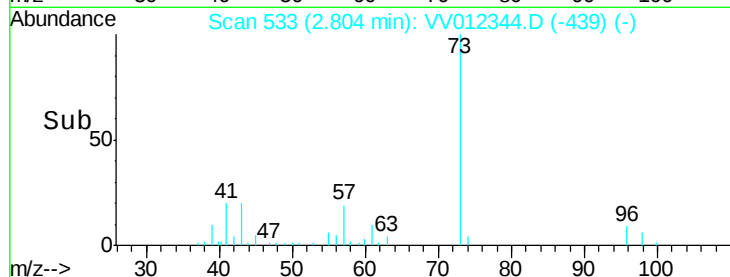
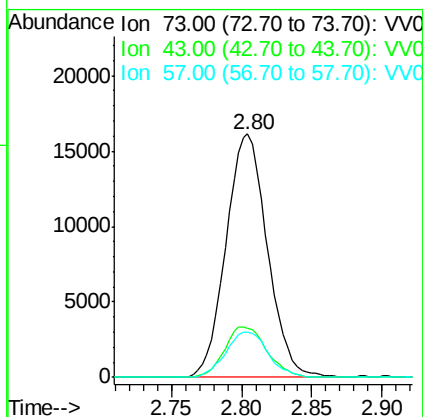
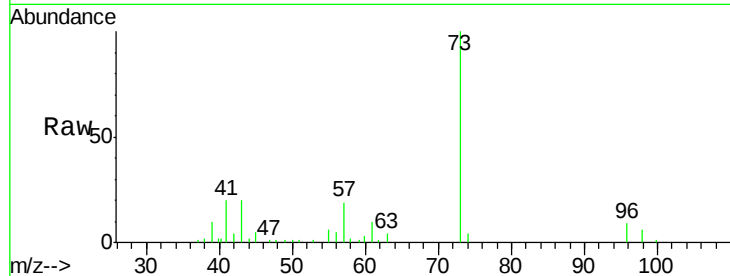




#18
Methvl tert-butvl Ether
Concen: 8.576 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV012344.D
Acq: 22 Aug 2019 13:51

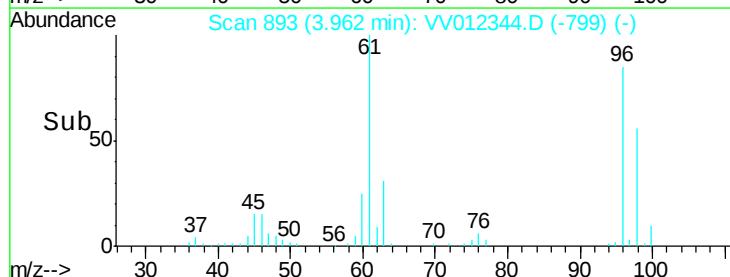
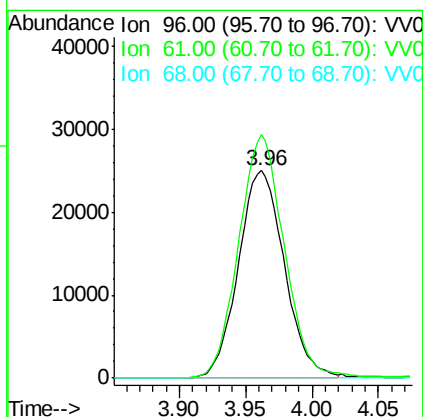
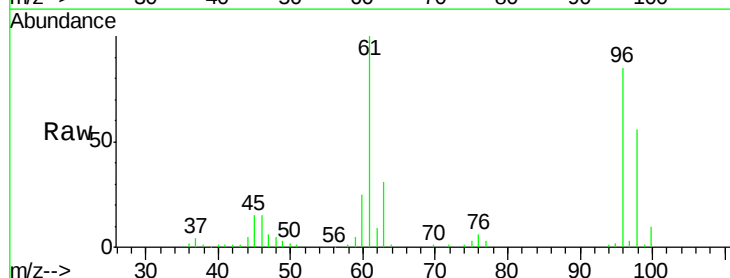
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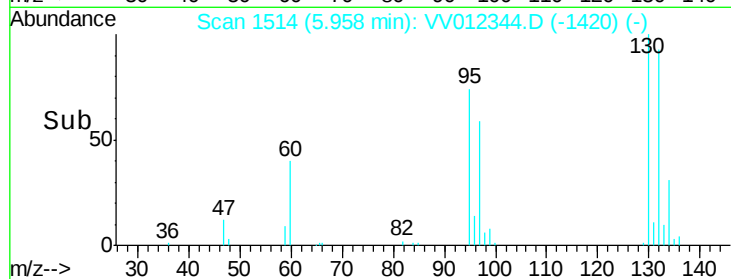
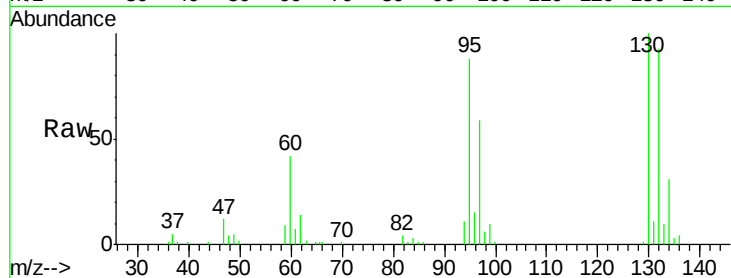
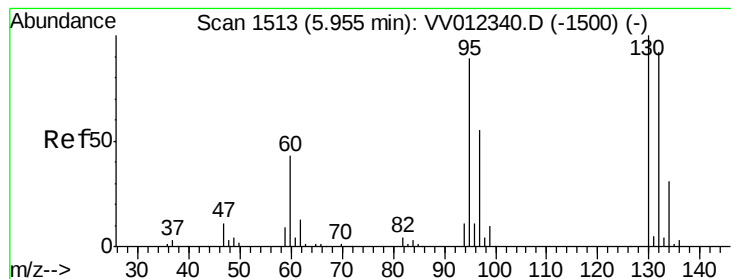
Tot Ion: 73 Resp: 33034
Ion Ratio Lower Upper
73 100
43 21.2 16.6 25.0
57 19.1 15.0 22.6



#20
cis-1,2-Dichloroethene
Concen: 46.701 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012344.D
Acq: 22 Aug 2019 13:51

Tgt Ion: 96 Resp: 60422
Ion Ratio Lower Upper
96 100
61 117.4 84.4 156.7
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 25.565 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012344.D

Acq: 22 Aug 2019 13:51

Instrument :

MSVOA_V

ClientSampleId :

F2C08DL

Tot Ion: 95 Resp: 34560

Ion Ratio Lower Upper

95 100

97 66.6 43.6 81.0

132 105.8 73.9 137.3

130 113.6 76.6 142.2

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

