

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081219\
 Data File : VU033770.D
 Acq On : 12 Aug 2019 14:38
 Operator : JC/SP
 Sample : K4202-14RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 12 16:30:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 12 16:26:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	368284	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	372671	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	159928	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	104841	38.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.34%
7) Chloroethane-d5	1.67	69	93398	34.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.74%#
11) 1,1-Dichloroethene-d2	2.26	63	137265	30.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.22%
21) 2-Butanone-d5	4.16	46	100476	59.78	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	59.78%
24) Chloroform-d	4.62	84	143769	35.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.38%
26) 1,2-Dichloroethane-d4	5.29	65	88817	35.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	70.54%
32) Benzene-d6	5.32	84	294454	33.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	66.96%#
36) 1,2-Dichloropropane-d6	6.31	67	92850	34.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	68.80%#
41) Toluene-d8	7.55	98	245621	29.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	59.38%#
43) trans-1,3-Dichloropropene-	7.83	79	38348	28.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.28%#
47) 2-Hexanone-d5	8.30	63	65655	46.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	46.96%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	122381	30.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	61.30%#
64) 1,2-Dichlorobenzene-d4	11.84	152	89988	33.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	66.86%#

Target Compounds

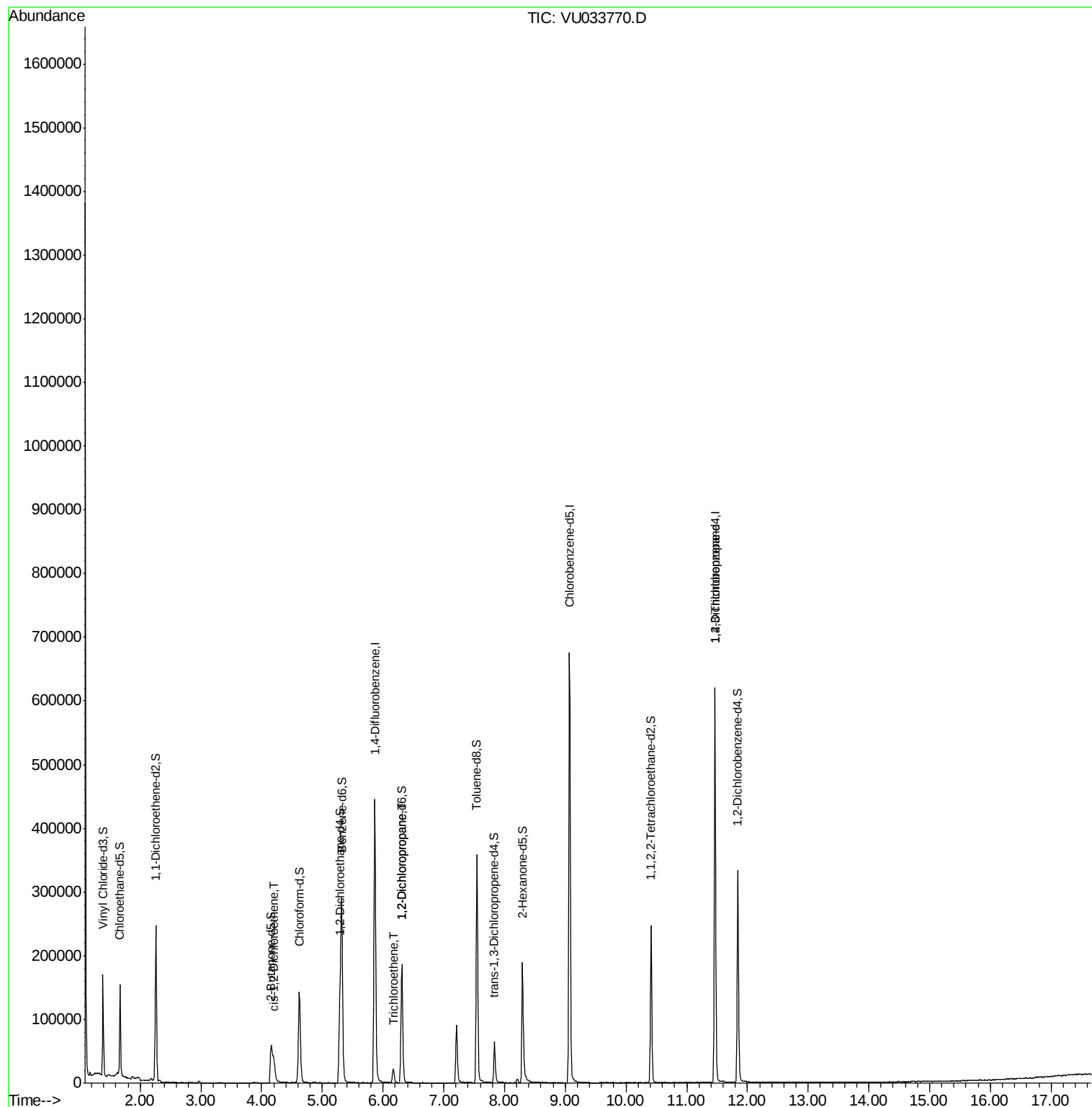
					Ovalue
20) cis-1,2-Dichloroethene	4.20	96	16409	6.198 ug/L	83
34) Trichloroethene	6.17	95	7364	2.691 ug/L	93
37) 1,2-Dichloropropane	6.31	63	9919	3.584 ug/L #	89
59) 1,2,3-Trichloropropane	11.47	75	19040	5.088 ug/L #	88

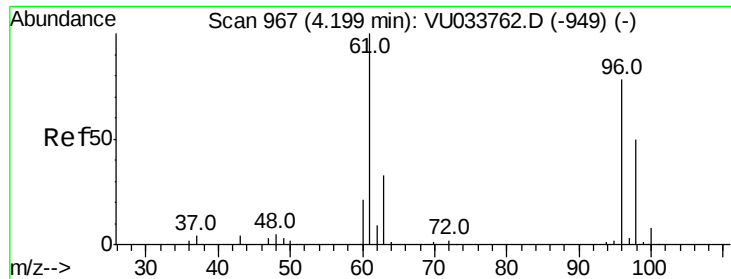
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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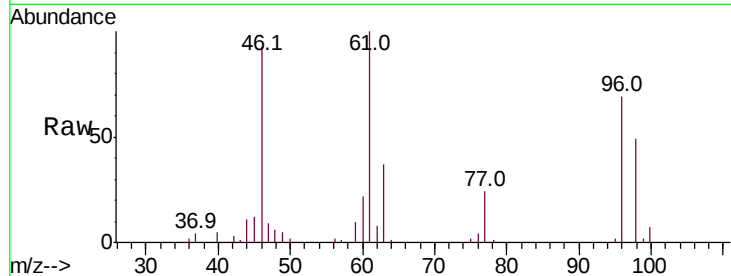


#20

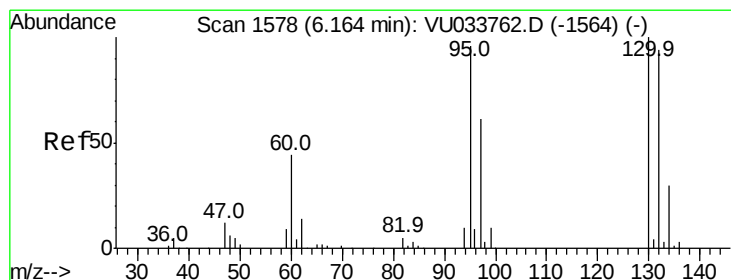
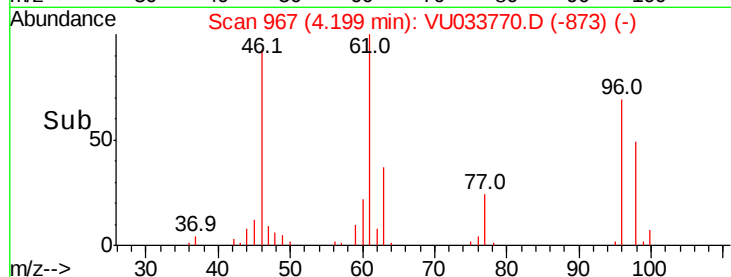
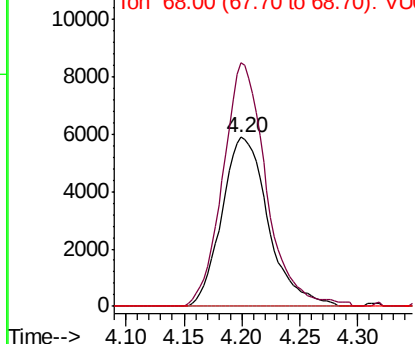
cis-1,2-Dichloroethene
Concen: 6.198 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033770.D
Acq: 12 Aug 2019 14:38

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 96 Resp: 16409
Ion Ratio Lower Upper
96 100
61 143.9 87.0 161.6
68 0.0 0.0 0.0



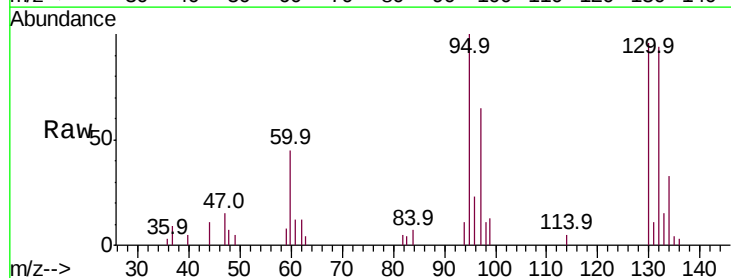
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0



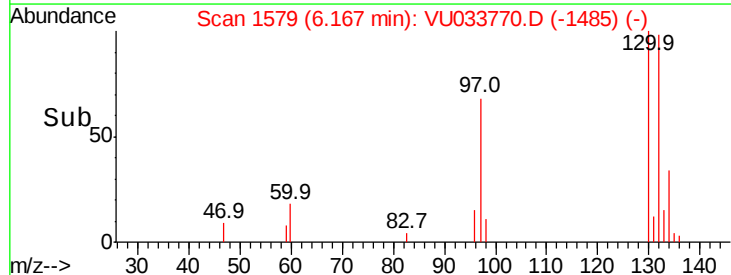
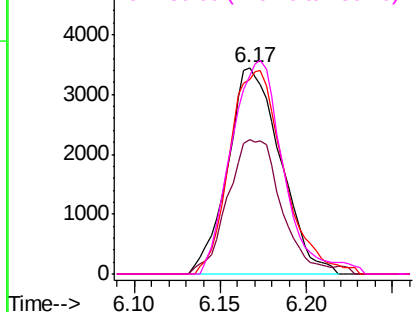
#34

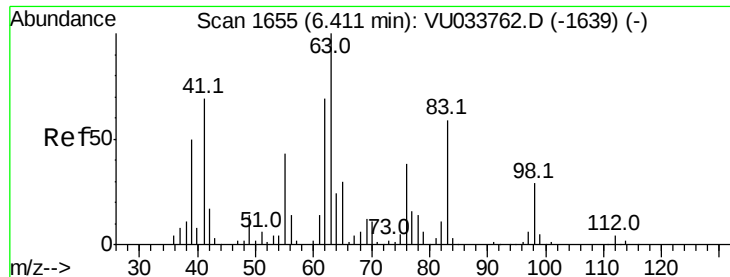
Trichloroethene
Concen: 2.691 ug/L
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU033770.D
Acq: 12 Aug 2019 14:38

Tgt Ion: 95 Resp: 7364
Ion Ratio Lower Upper
95 100
97 64.9 45.6 84.8
132 93.9 72.0 133.8
130 96.1 74.3 138.1



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





#37

1,2-Dichloropropane

Concen: 3.584 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU033770.D

Acq: 12 Aug 2019 14:38

Instrument :

MSVOA_U

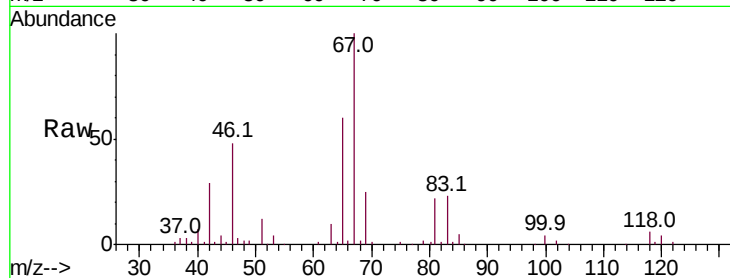
ClientSampled :

Tot Ion: 63 Resp: 9919

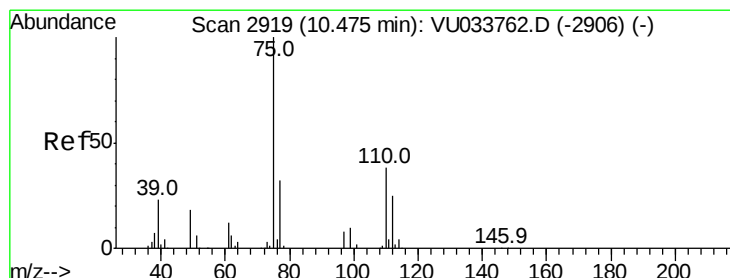
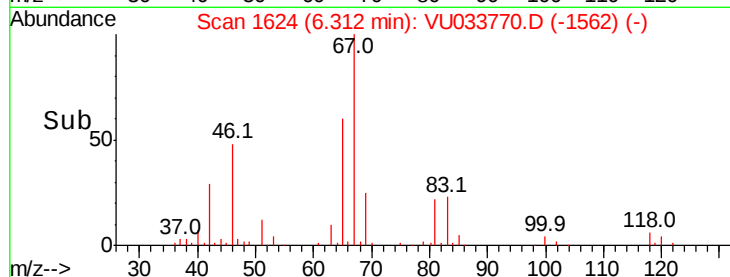
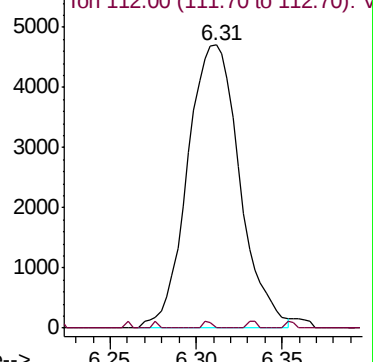
Ion Ratio Lower Upper

63 100

112 0.4 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU033770.D (-1639) (-)



#59

1,2,3-Trichloropropane

Concen: 5.088 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033770.D

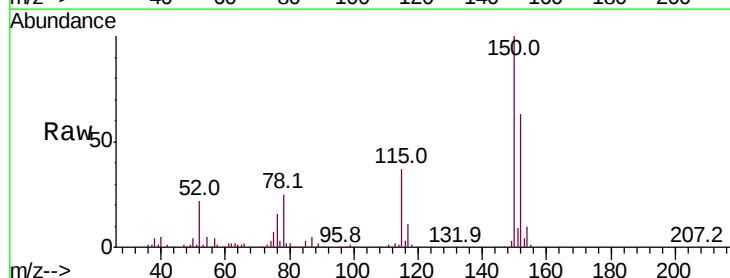
Acq: 12 Aug 2019 14:38

Tgt Ion: 75 Resp: 19040

Ion Ratio Lower Upper

75 100

77 39.9 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU033770.D (-2297) (-)

