

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081219\
 Data File : VU033769.D
 Acq On : 12 Aug 2019 14:15
 Operator : JC/SP
 Sample : K4202-13REDL 10X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 12 16:30:19 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	302041	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	301148	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	124564	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	123072	55.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	110.70%
7) Chloroethane-d5	1.67	69	135713	60.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	121.80%
11) 1,1-Dichloroethene-d2	2.26	63	161176	43.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.22%
21) 2-Butanone-d5	4.15	46	214040	155.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	155.28%#
24) Chloroform-d	4.62	84	237575	71.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	143.84%#
26) 1,2-Dichloroethane-d4	5.29	65	165424	80.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	160.18%#
32) Benzene-d6	5.32	84	455676	64.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	128.22%#
36) 1,2-Dichloropropane-d6	6.31	67	154407	70.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	141.60%#
41) Toluene-d8	7.55	98	372244	55.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.38%
43) trans-1,3-Dichloropropene-	7.83	79	68607	62.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	124.58%
47) 2-Hexanone-d5	8.29	63	145379	128.69	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	128.69%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	235739	73.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	146.14%#
64) 1,2-Dichlorobenzene-d4	11.85	152	144284	68.82	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	137.64%#

Target Compounds

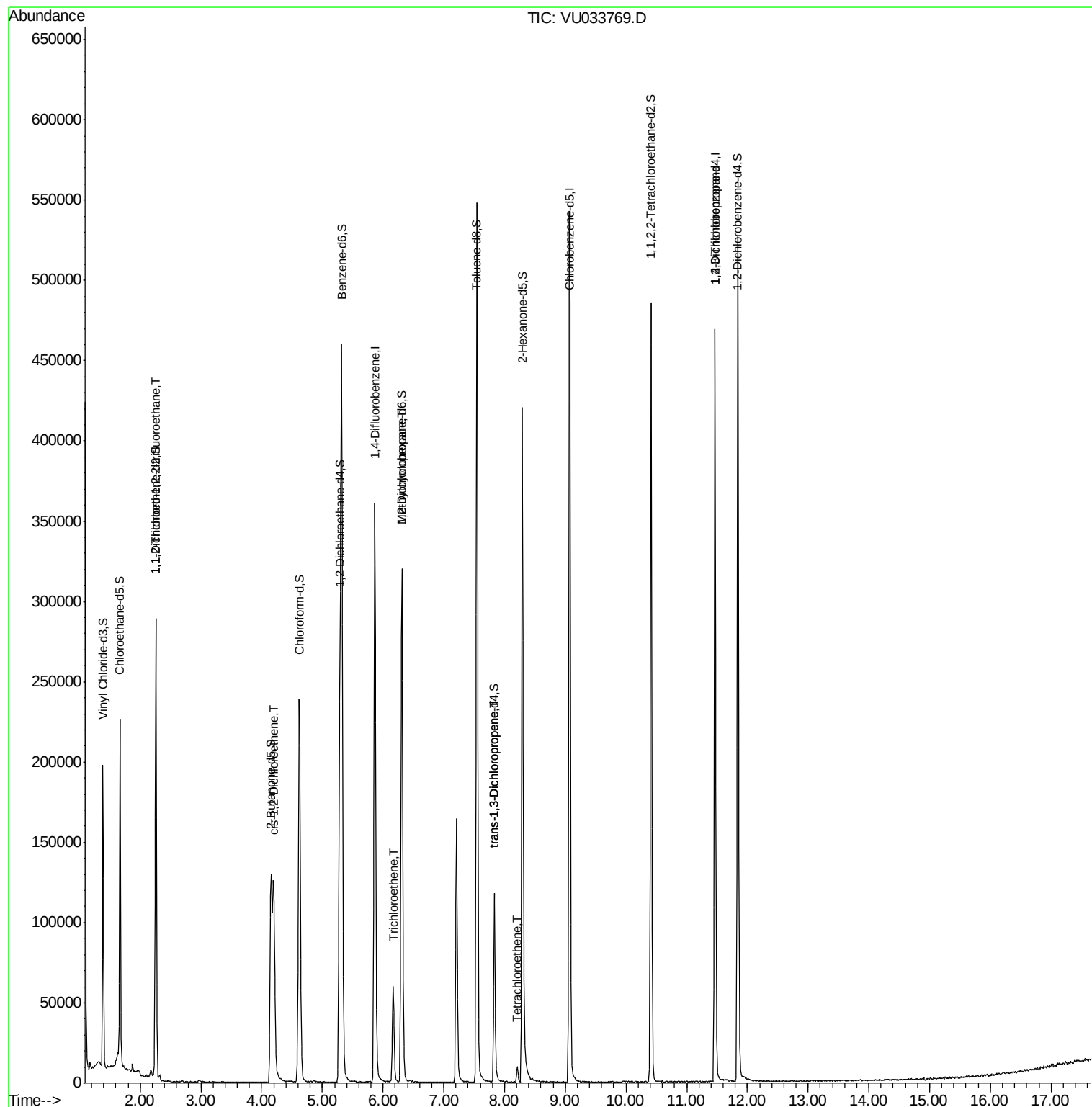
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1368	0.757 ug/L #	18
20) cis-1,2-Dichloroethene	4.20	96	60594	27.907 ug/L	97
34) Trichloroethene	6.17	95	20497	9.269 ug/L	91
35) Methylcyclohexane	6.31	83	35726	10.614 ug/L #	21
44) trans-1,3-Dichloropropene	7.83	75	3148	0.994 ug/L #	77
46) Tetrachloroethene	8.22	164	2238	1.228 ug/L	92
59) 1,2,3-Trichloropropane	11.47	75	15390	5.090 ug/L	94

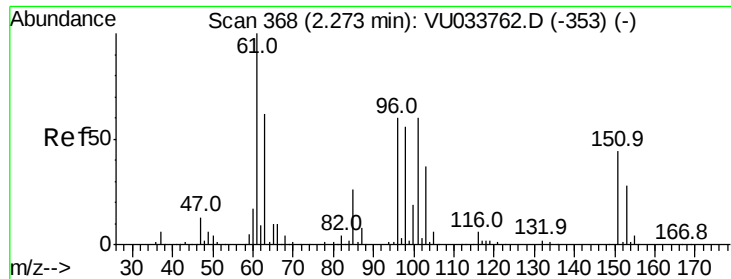
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU081219\
Data File : VU033769.D
Acq On : 12 Aug 2019 14:15
Operator : JC/SP
Sample : K4202-13REDL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Aug 12 16:30:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 12 16:26:52 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.757 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

Lab File: VU033769.D

Acq: 12 Aug 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

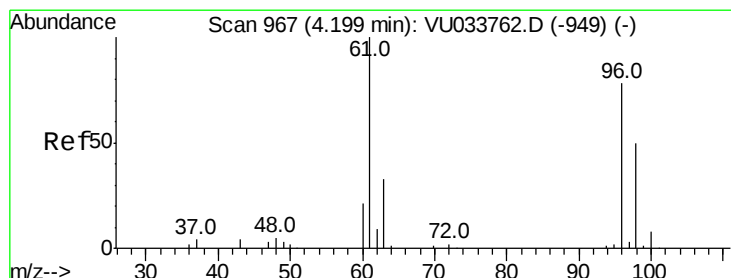
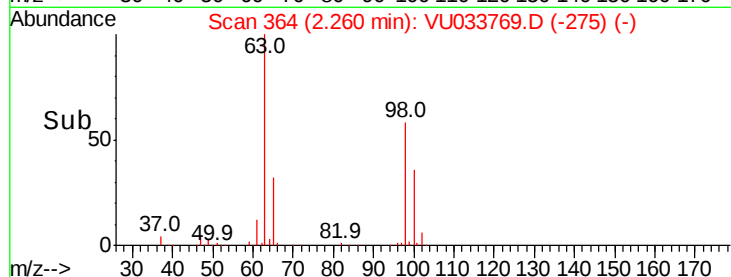
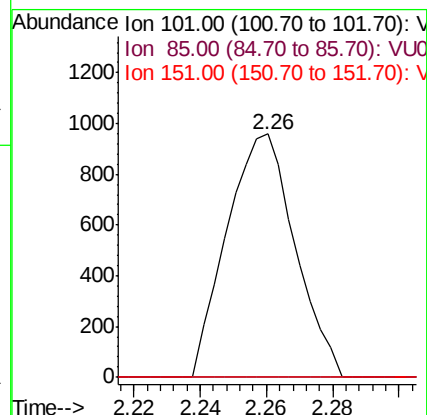
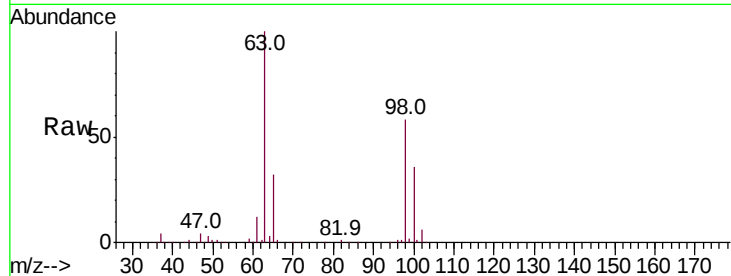
Tot Ion:101 Resp: 1368

Ion Ratio Lower Upper

101 100

85 0.0 34.5 51.7#

151 0.0 63.0 94.4#



#20

cis-1,2-Dichloroethene

Concen: 27.907 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033769.D

Acq: 12 Aug 2019 14:15

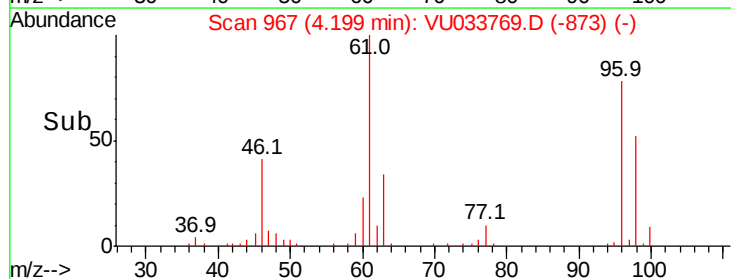
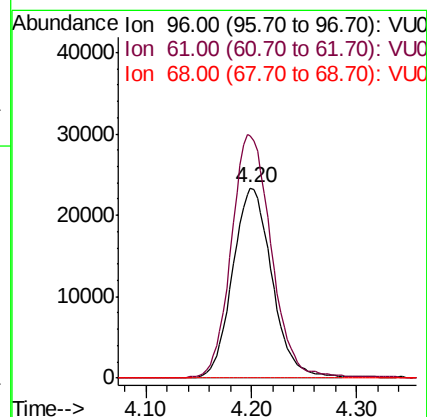
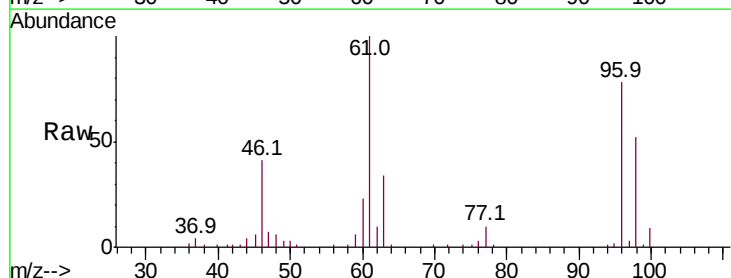
Tgt Ion: 96 Resp: 60594

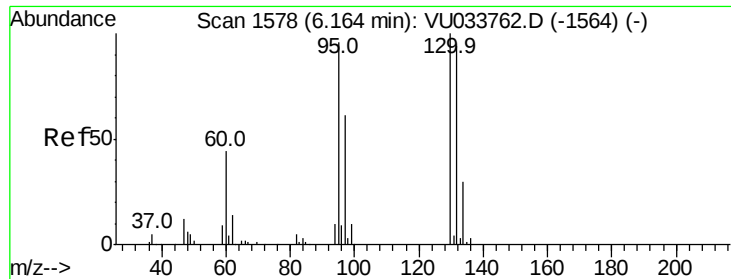
Ion Ratio Lower Upper

96 100

61 127.9 87.0 161.6

68 0.0 0.0 0.0

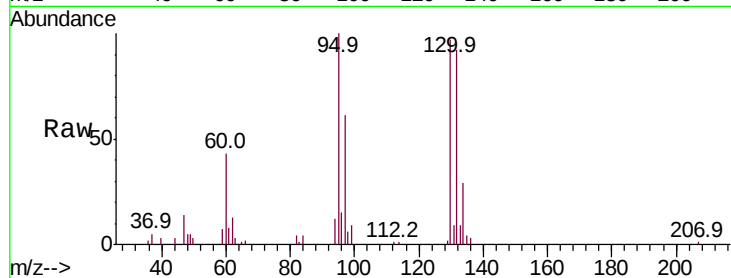




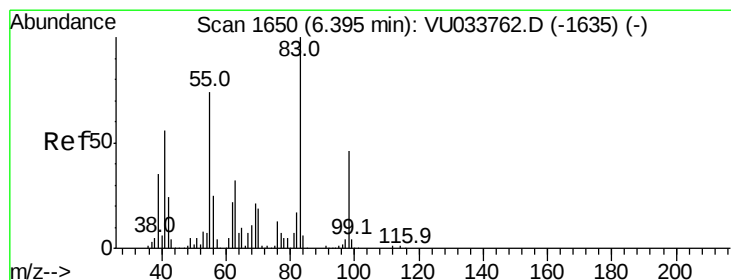
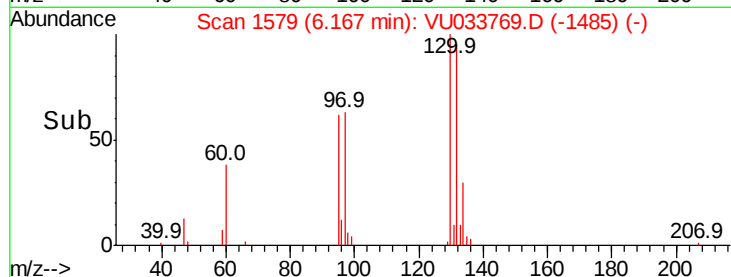
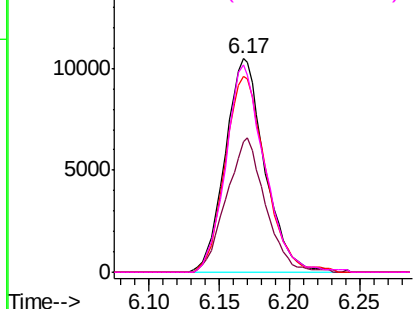
#34
 Trichloroethene
 Concen: 9.269 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033769.D
 Acq: 12 Aug 2019 14:15

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:	95	Resp:	20497
Ion	Ratio	Lower	Upper
95	100		
97	60.9	45.6	84.8
132	91.9	72.0	133.8
130	96.8	74.3	138.1

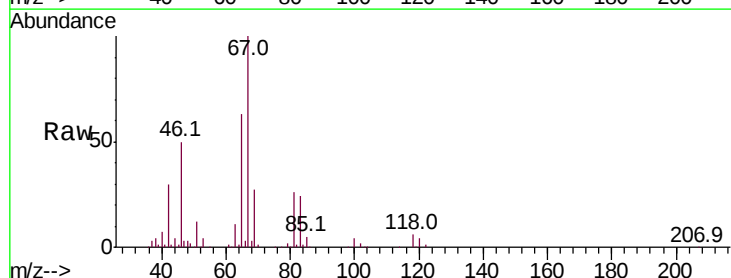


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

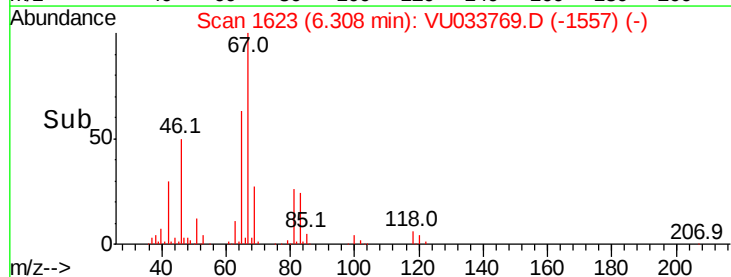
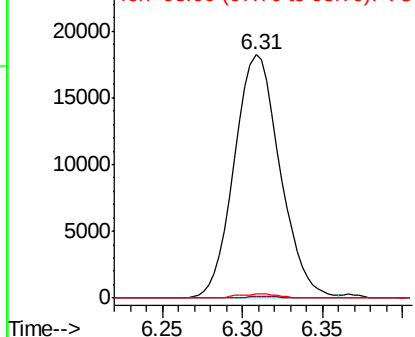


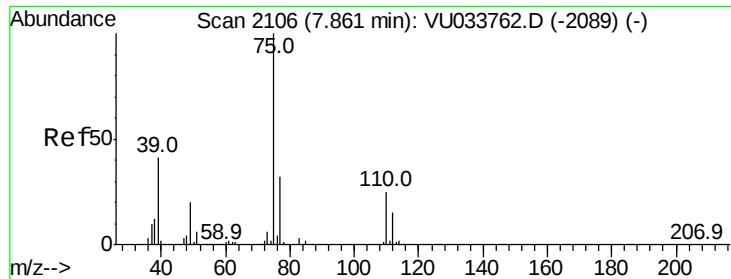
#35
 Methylcyclohexane
 Concen: 10.614 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.09 min
 Lab File: VU033769.D
 Acq: 12 Aug 2019 14:15

Tgt Ion:	83	Resp:	35726
Ion	Ratio	Lower	Upper
83	100		
55	0.4	58.1	87.1#
98	1.4	36.8	55.2#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.994 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033769.D

Acq: 12 Aug 2019 14:15

Instrument :

MSVOA_U

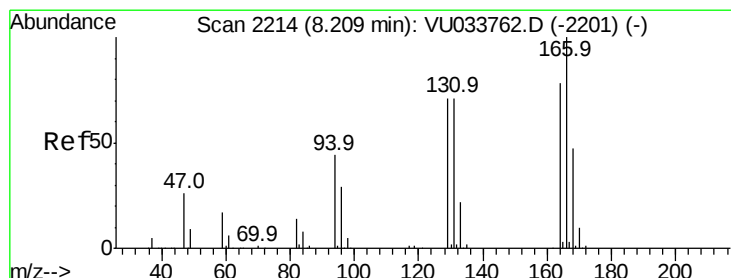
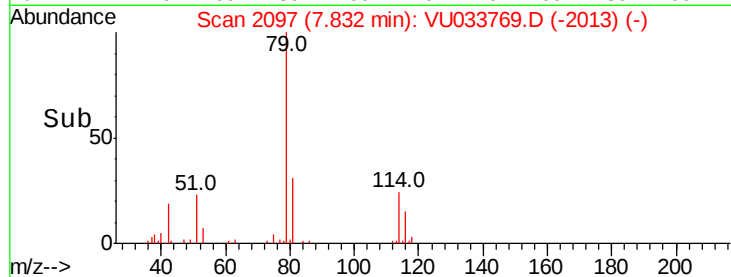
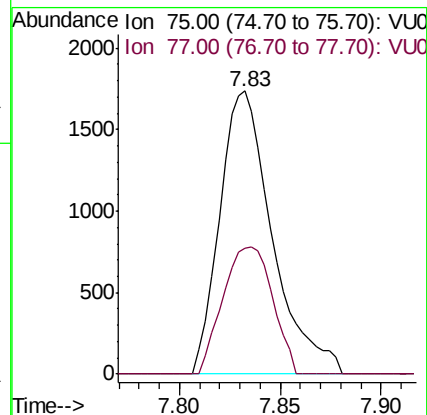
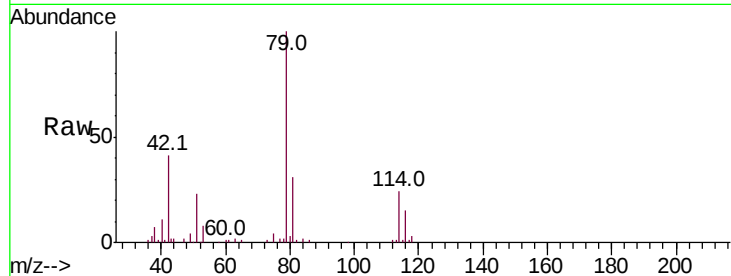
ClientSampleId :

Tot Ion: 75 Resp: 3148

Ion Ratio Lower Upper

75 100

77 44.7 22.4 41.6#



#46

Tetrachloroethene

Concen: 1.228 ug/L

RT: 8.22 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VU033769.D

Acq: 12 Aug 2019 14:15

Tgt Ion: 164 Resp: 2238

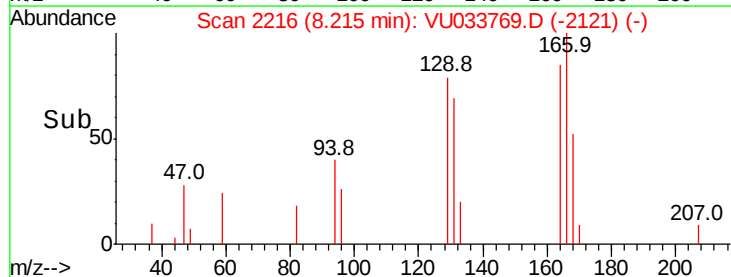
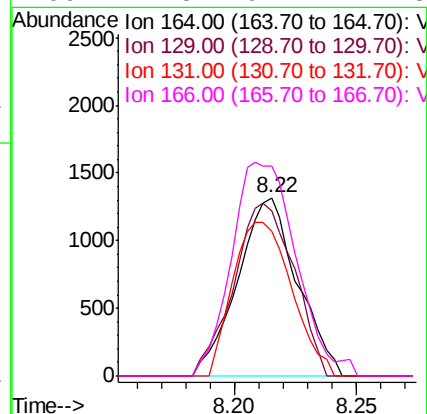
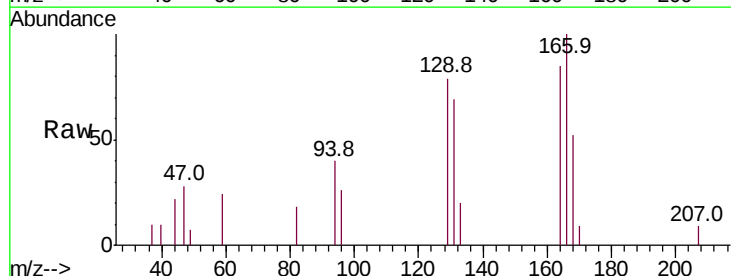
Ion Ratio Lower Upper

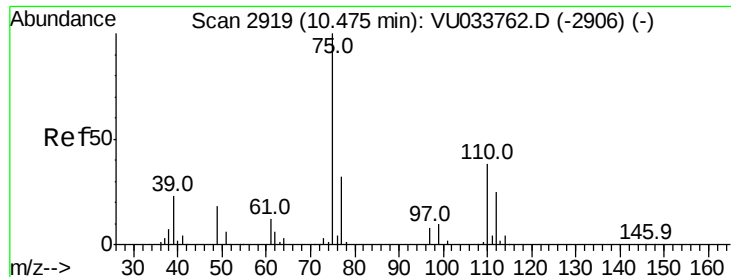
164 100

129 92.7 65.5 121.7

131 81.1 63.6 118.0

166 117.8 92.7 172.3





#59

1,2,3-Trichloropropane

Concen: 5.090 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033769.D

Acq: 12 Aug 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 15390

Ion Ratio Lower Upper

75 100

77 36.7 26.4 39.6

