

Data File : VU033702.D
Acq On : 09 Aug 2019 22:52
Operator : JC/SP
Sample : K4202-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B40

Quant Time: Aug 10 04:30:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Aug 10 04:26:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	380282	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	363926	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	183642	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	132742	47.42	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	94.84%		
7) Chloroethane-d5	1.67	69	130471	46.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.00%		
11) 1,1-Dichloroethene-d2	2.26	63	182031	38.67	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	77.34%		
21) 2-Butanone-d5	4.15	46	261086	150.44	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	150.44%#		
24) Chloroform-d	4.62	84	253437	60.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	121.88%		
26) 1,2-Dichloroethane-d4	5.28	65	167021	64.22	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	128.44%#		
32) Benzene-d6	5.32	84	514722	59.93	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	119.86%		
36) 1,2-Dichloropropane-d6	6.31	67	170875	64.83	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	129.66%#		
41) Toluene-d8	7.55	98	459670	56.90	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	113.80%		
43) trans-1,3-Dichloropropene-	7.83	79	79445	59.69	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	119.38%		
47) 2-Hexanone-d5	8.29	63	201053	147.27	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	147.27%#		
57) 1,1,2,2-Tetrachloroethane-	10.41	84	262591	67.35	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	134.70%#		
64) 1,2-Dichlorobenzene-d4	11.84	152	197313	63.84	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	127.68%#		

Target Compounds

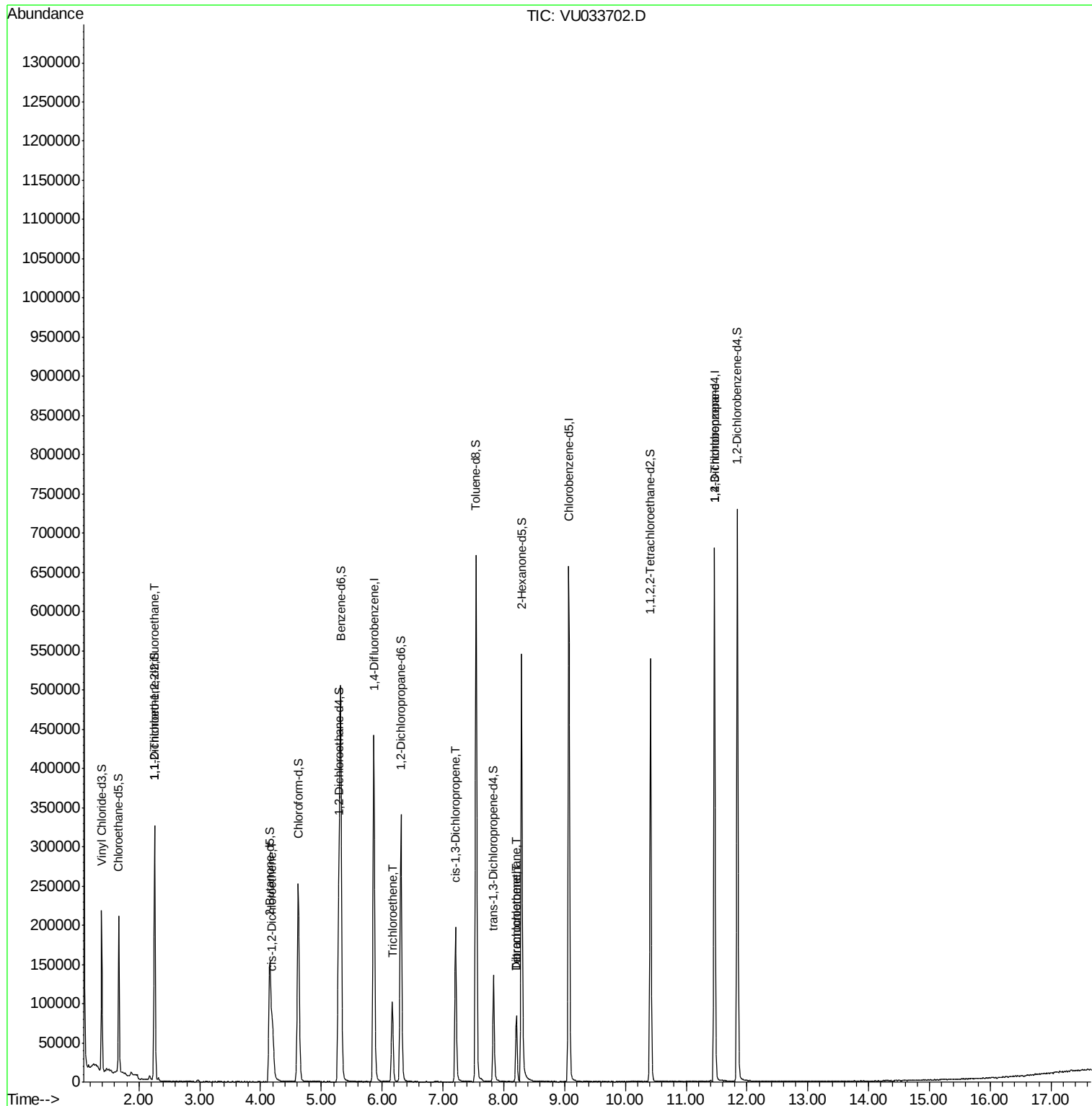
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1721	0.756	ug/L #	21
20) cis-1,2-Dichloroethene	4.20	96	33534	12.267	ug/L	96
34) Trichloroethene	6.17	95	35974	13.462	ug/L	97
39) cis-1,3-Dichloropropene	7.21	75	4665	1.086	ug/L #	55
46) Tetrachloroethene	8.21	164	19102	8.671	ug/L	95
49) Dibromochloromethane	8.21	129	18032	6.091	ug/L #	11
59) 1,2,3-Trichloropropane	11.47	75	20686	5.661	ug/L	95

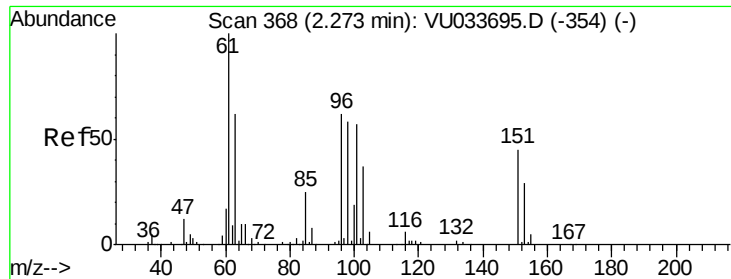
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.756 ug/L

RT: 2.26 min Scan# 364

Delta R.T. -0.01 min

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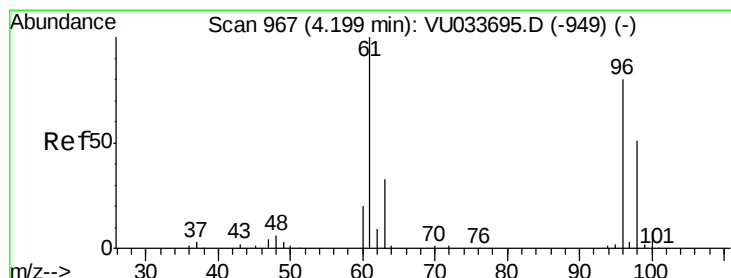
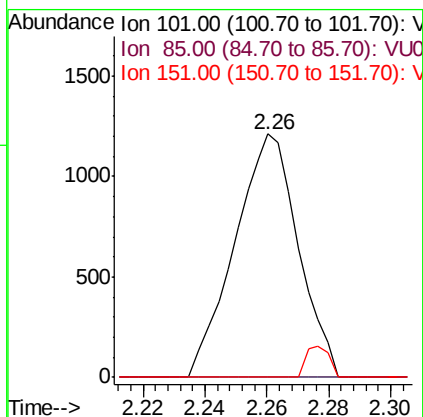
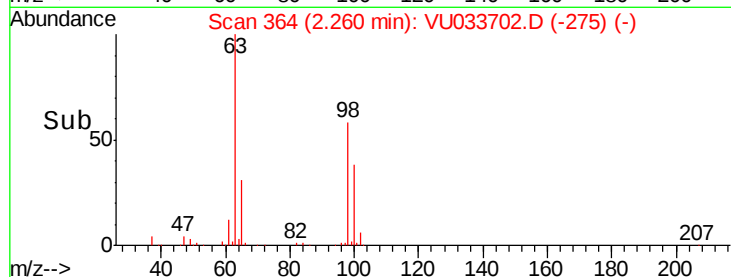
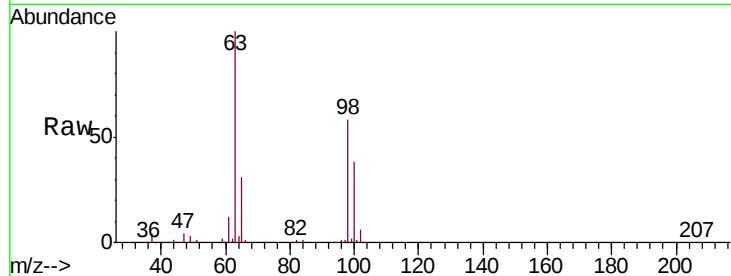
Tgt Ion: 101 Resp: 1721

Ion Ratio Lower Upper

101 100

85 0.0 34.5 51.7#

151 4.6 63.0 94.4#



#20

cis-1,2-Dichloroethene

Concen: 12.267 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

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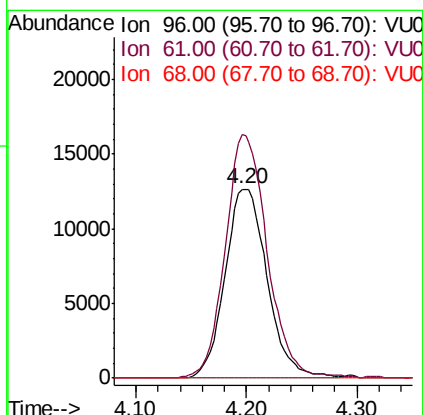
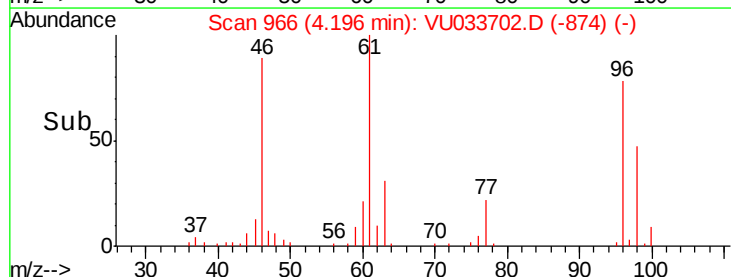
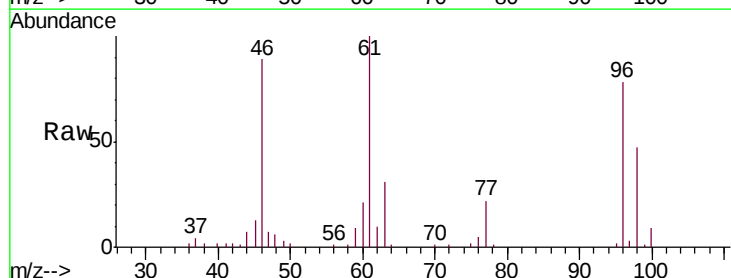
Tgt Ion: 96 Resp: 33534

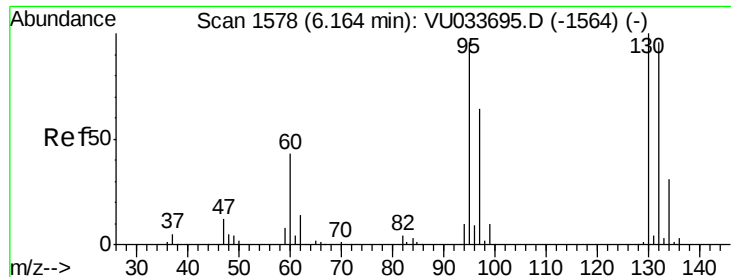
Ion Ratio Lower Upper

96 100

61 129.0 87.0 161.6

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 13.462 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

F2B40

Tgt Ion: 95 Resp: 35974

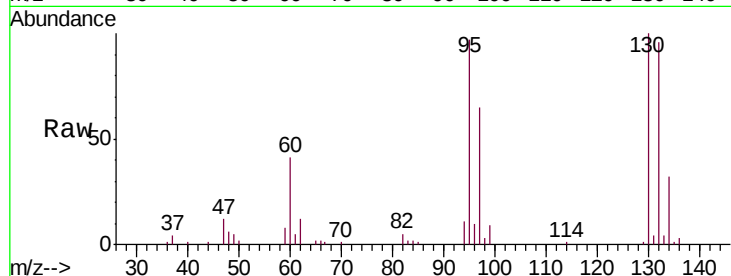
Ion Ratio Lower Upper

95 100

97 66.7 45.6 84.8

132 99.2 72.0 133.8

130 103.1 74.3 138.1

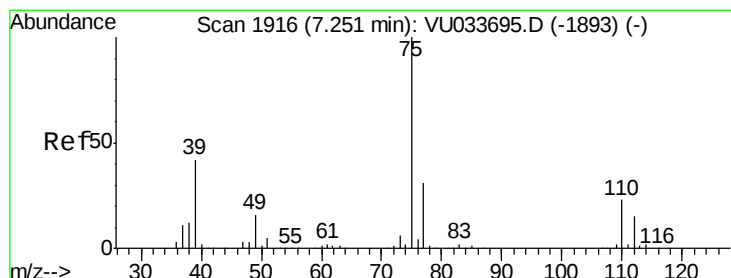
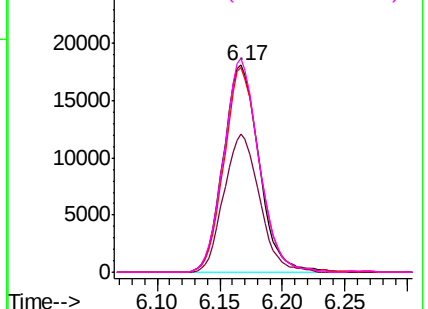
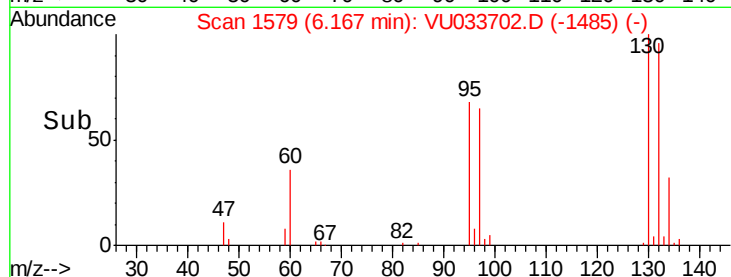


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 1.086 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033702.D

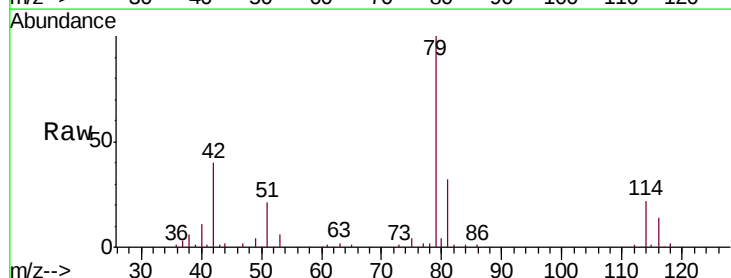
Acq: 09 Aug 2019 22:52

Tgt Ion: 75 Resp: 4665

Ion Ratio Lower Upper

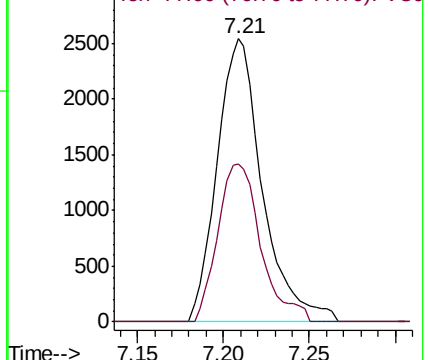
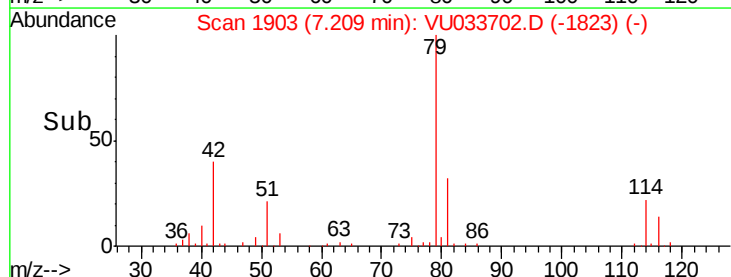
75 100

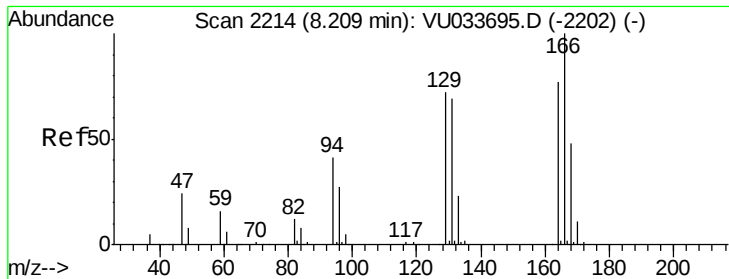
77 55.7 21.7 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

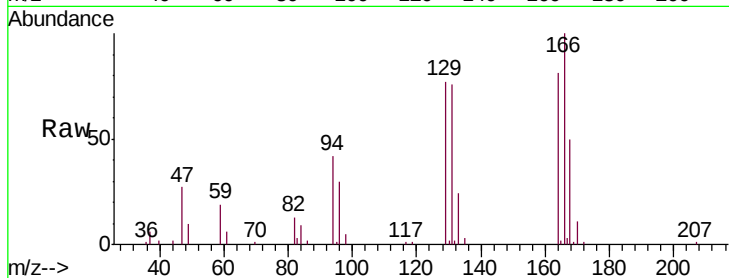




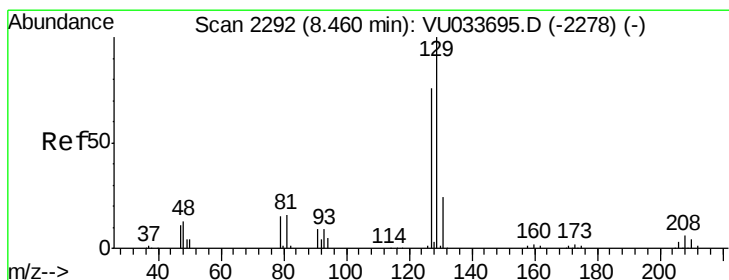
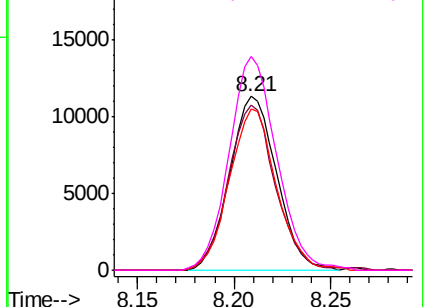
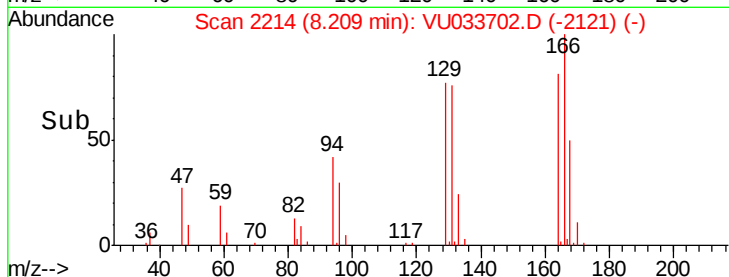
#46
Tetrachloroethene
Concen: 8.671 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033702.D
Acq: 09 Aug 2019 22:52

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F2B40

Tgt Ion:164 Resp: 19102
Ion Ratio Lower Upper
164 100
129 95.1 65.5 121.7
131 93.0 63.6 118.0
166 122.8 92.7 172.3

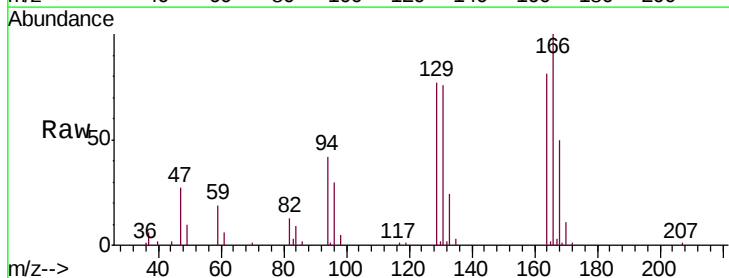


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

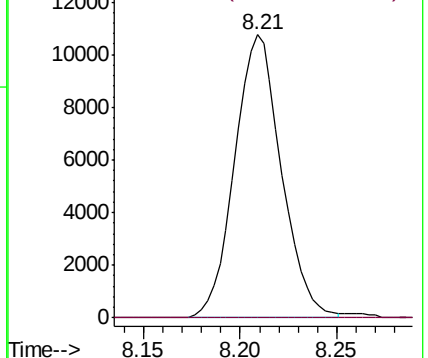
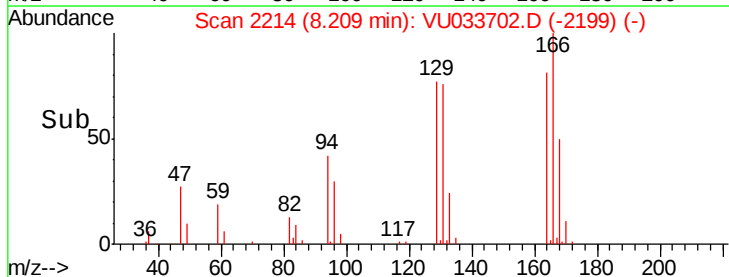


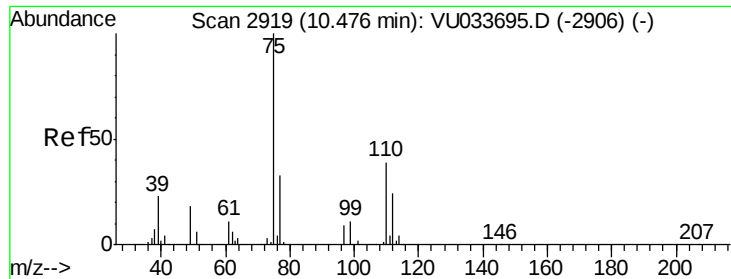
#49
Dibromochloromethane
Concen: 6.091 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. -0.25 min
Lab File: VU033702.D
Acq: 09 Aug 2019 22:52

Tgt Ion:129 Resp: 18032
Ion Ratio Lower Upper
129 100
127 0.0 53.3 98.9#



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 5.661 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033702.D

Acq: 09 Aug 2019 22:52

Instrument :

MSVOA_U

ClientSampleId :

F2B40

Tgt Ion: 75 Resp: 20686

Ion Ratio Lower Upper

75 100

77 36.0 26.4 39.6

