

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080719\
 Data File : VU033620.D
 Acq On : 07 Aug 2019 16:31
 Operator : JC/SP
 Sample : K4202-03 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B03

Quant Time: Aug 08 03:17:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 08 03:14:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	312389	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	312534	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	141775	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	96150	48.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.32%
7) Chloroethane-d5	1.67	69	97627	43.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.74%
11) 1,1-Dichloroethene-d2	2.26	63	125973	32.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.18%
21) 2-Butanone-d5	4.16	46	184277	113.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.94%
24) Chloroform-d	4.62	84	184761	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.24%
26) 1,2-Dichloroethane-d4	5.29	65	123873	51.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.38%
32) Benzene-d6	5.32	84	354767	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.82%
36) 1,2-Dichloropropane-d6	6.31	67	121666	49.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.48%
41) Toluene-d8	7.55	98	302062	42.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.94%
43) trans-1,3-Dichloropropene-	7.83	79	53817	44.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.46%
47) 2-Hexanone-d5	8.30	63	123218	103.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	196768	52.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.12%
64) 1,2-Dichlorobenzene-d4	11.85	152	134803	52.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.90%

Target Compounds

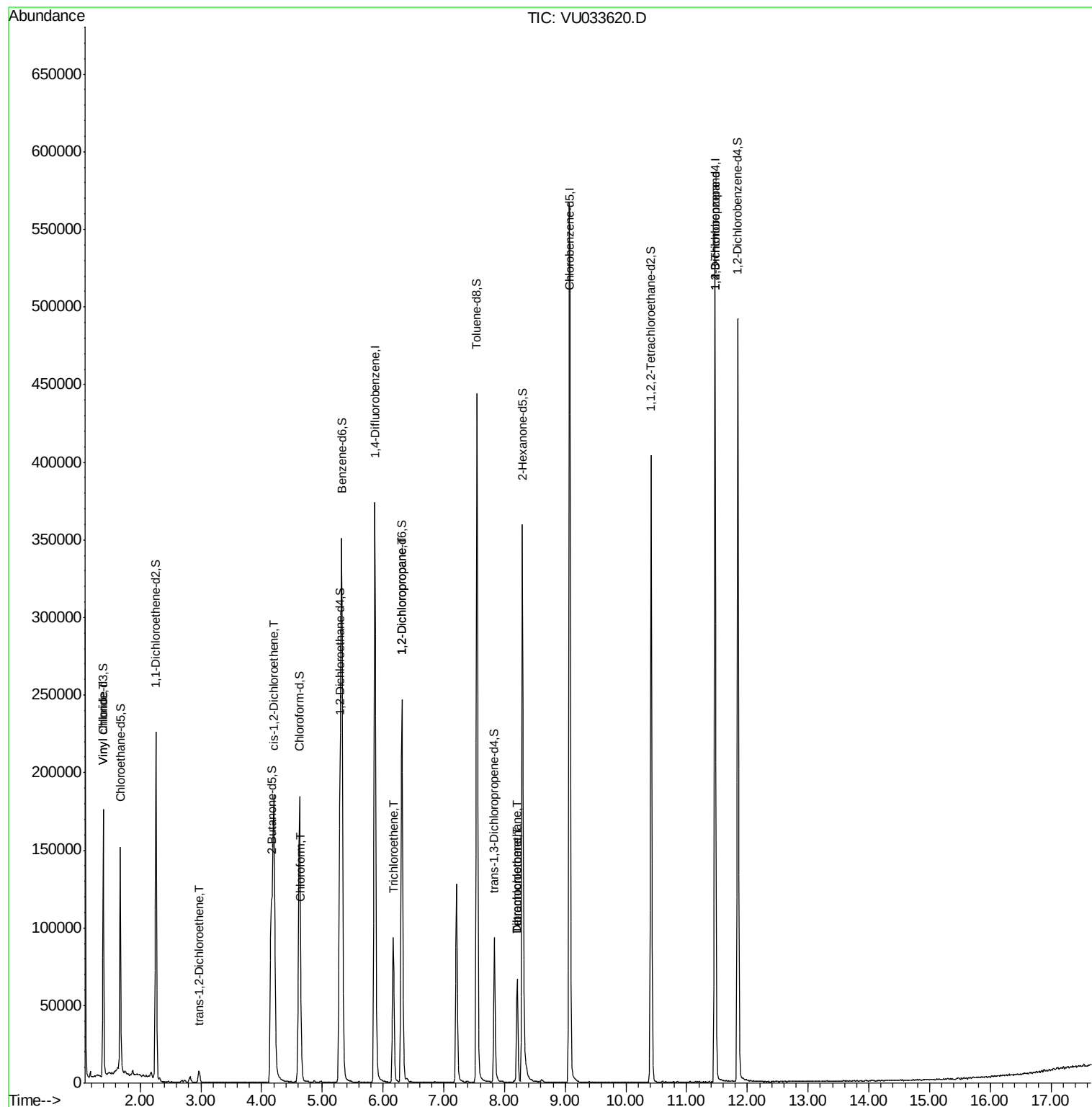
					Qvalue
5) Vinyl chloride	1.40	62	24304	7.672 ug/L	91
17) trans-1,2-Dichloroethene	2.97	96	2828	1.299 ug/L	94
20) cis-1,2-Dichloroethene	4.20	96	95159	39.634 ug/L	96
25) Chloroform	4.65	83	5630	1.330 ug/L	94
34) Trichloroethene	6.17	95	31972	13.342 ug/L	96
37) 1,2-Dichloropropane	6.31	63	13447	5.292 ug/L #	89
46) Tetrachloroethene	8.21	164	15277	7.770 ug/L	98
49) Dibromochloromethane	8.21	129	14158	5.299 ug/L #	11
59) 1,2,3-Trichloropropane	11.47	75	16863	5.067 ug/L	92

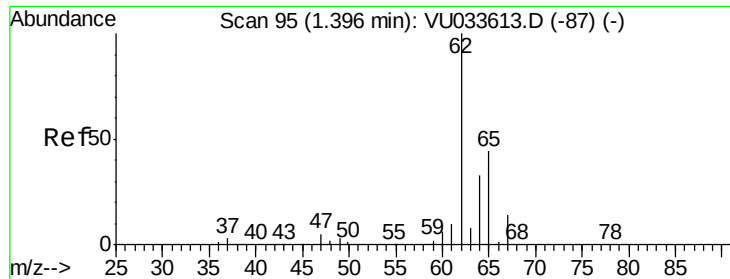
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Aug 08 03:14:38 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7.672 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033620.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

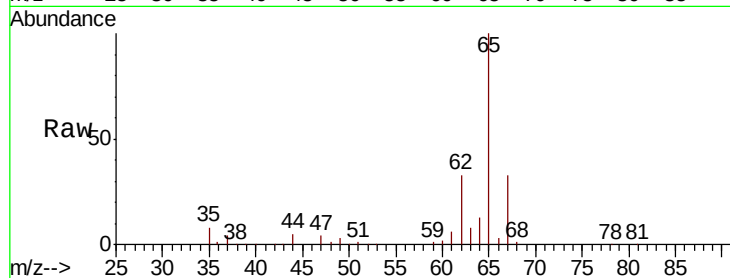
F2B03

Tgt Ion: 62 Resp: 24304

Ion Ratio Lower Upper

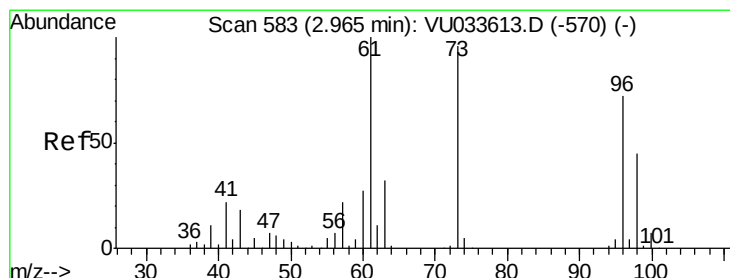
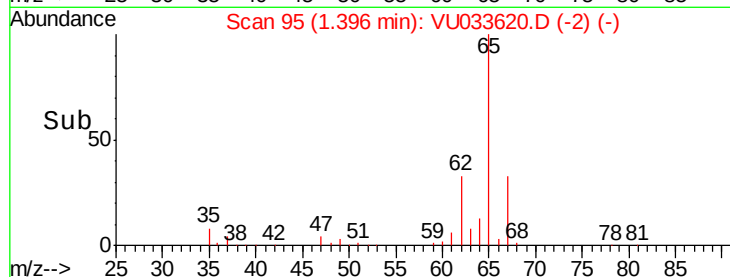
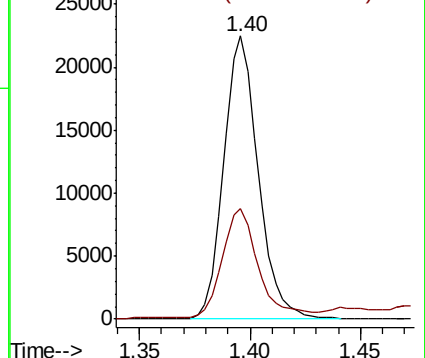
62 100

64 39.0 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 1.299 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU033620.D

Acq: 07 Aug 2019 16:31

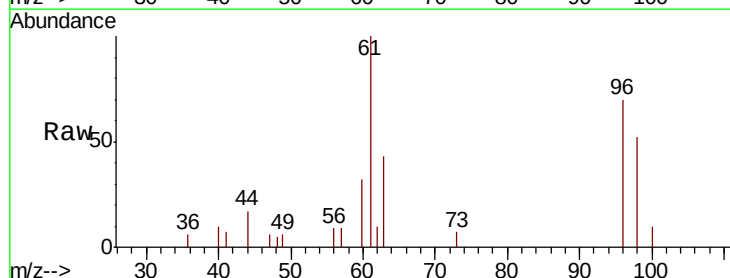
Tgt Ion: 96 Resp: 2828

Ion Ratio Lower Upper

96 100

61 143.7 98.8 183.4

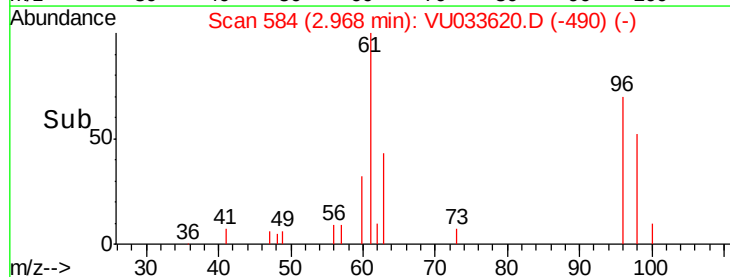
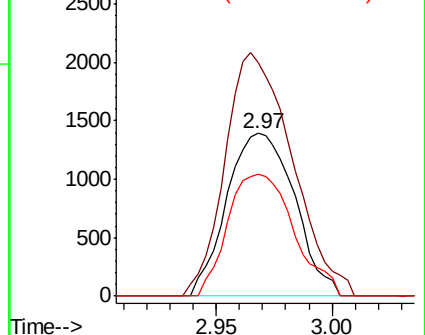
98 74.7 44.9 83.5

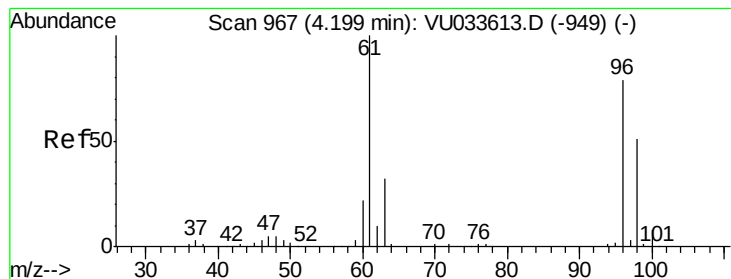


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



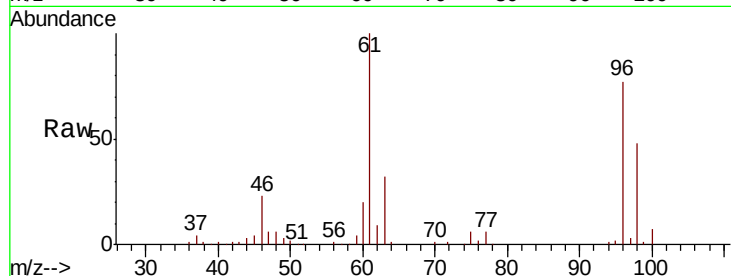


#20

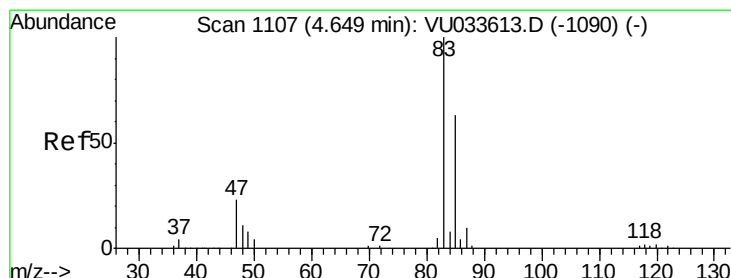
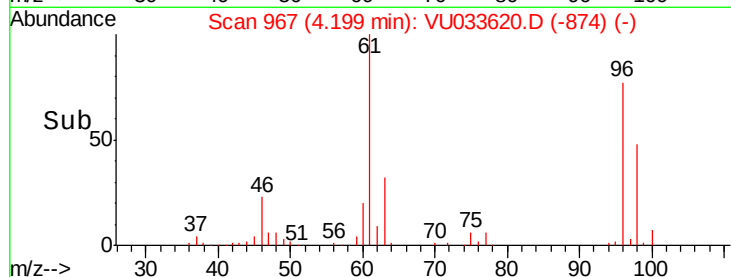
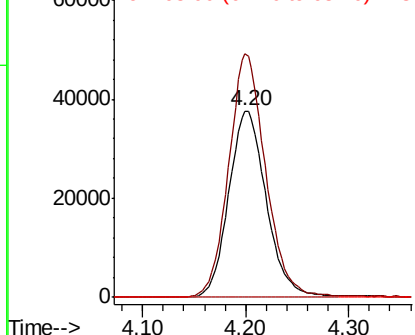
cis-1,2-Dichloroethene
 Concen: 39.634 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033620.D
 Acq: 07 Aug 2019 16:31

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B03

Tgt Ion: 96 Resp: 95159
 Ion Ratio Lower Upper
 96 100
 61 130.6 88.2 163.8
 68 0.0 0.0 0.0



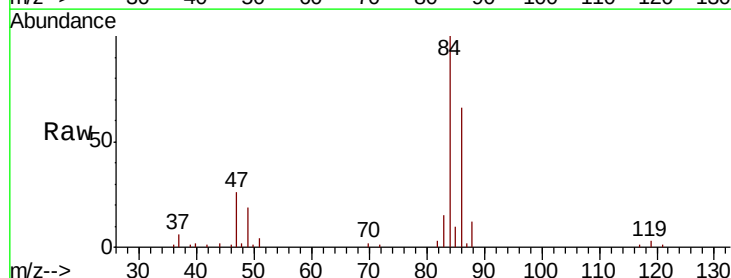
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



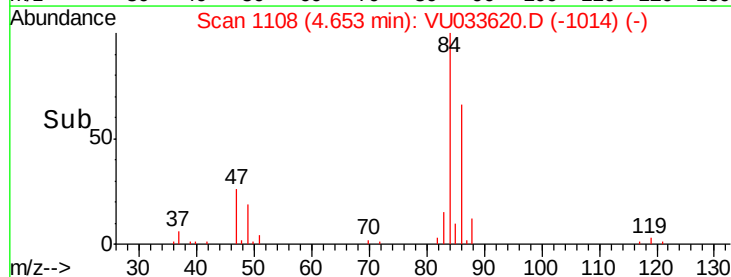
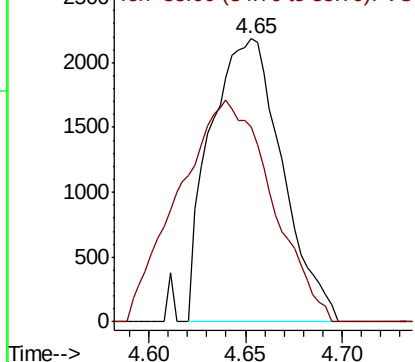
#25

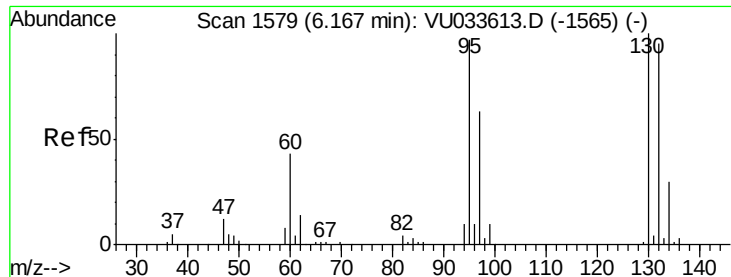
Chloroform
 Concen: 1.330 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU033620.D
 Acq: 07 Aug 2019 16:31

Tgt Ion: 83 Resp: 5630
 Ion Ratio Lower Upper
 83 100
 85 69.1 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#34

Trichloroethene

Concen: 13.342 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033620.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

F2B03

Tgt Ion: 95 Resp: 31972

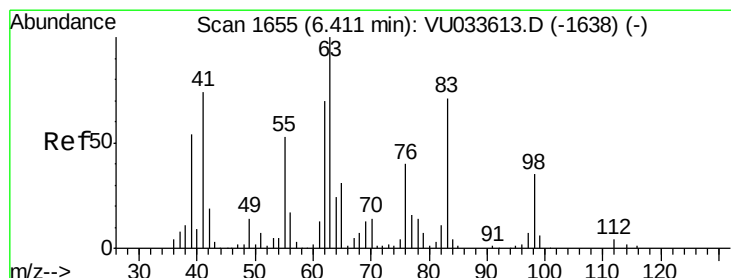
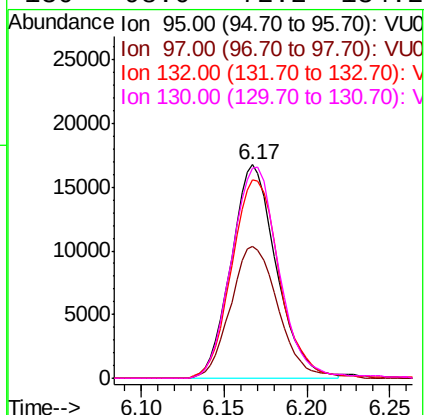
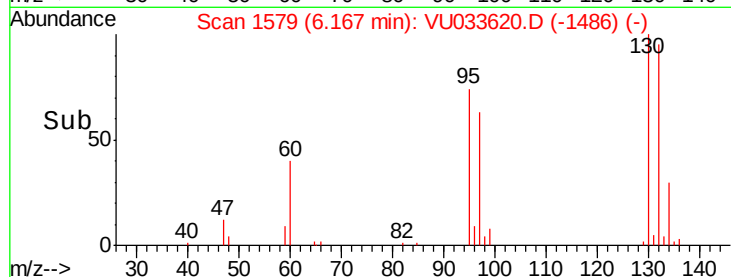
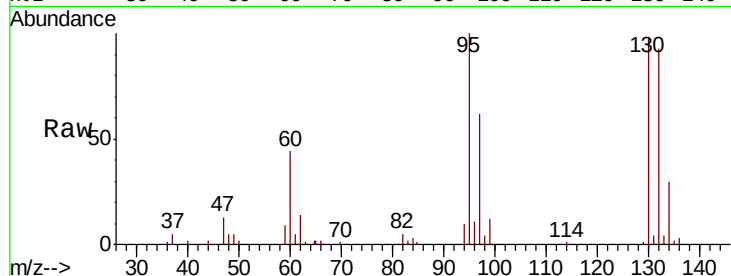
Ion Ratio Lower Upper

95 100

97 61.6 43.8 81.4

132 93.1 68.6 127.4

130 98.0 72.2 134.2



#37

1,2-Dichloropropane

Concen: 5.292 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033620.D

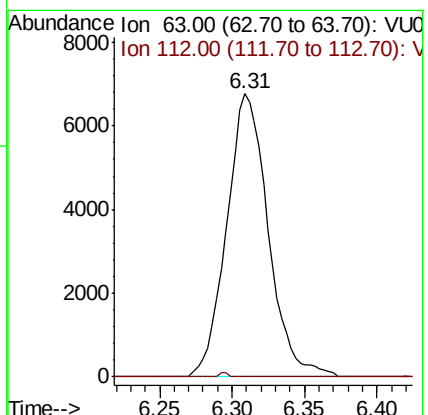
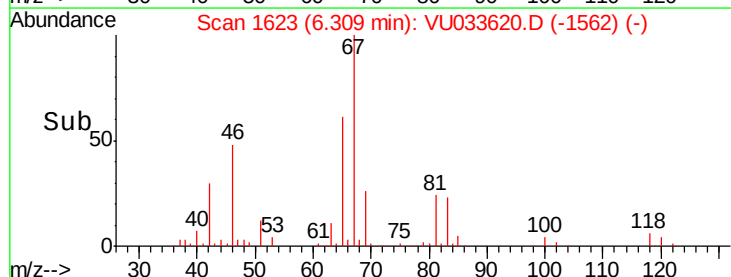
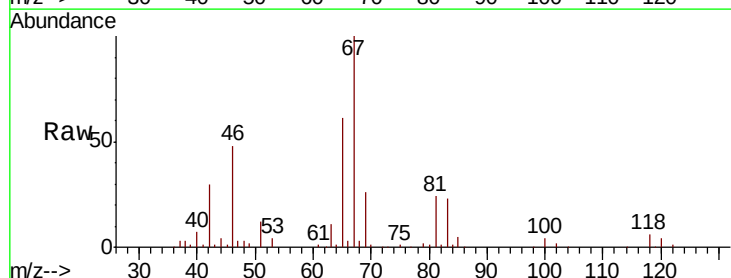
Acq: 07 Aug 2019 16:31

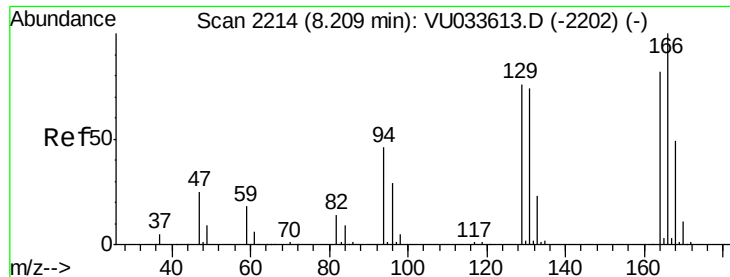
Tgt Ion: 63 Resp: 13447

Ion Ratio Lower Upper

63 100

112 0.3 3.0 4.6#





#46

Tetrachloroethene

Concen: 7.770 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033620.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

F2B03

Tgt Ion:164 Resp: 15277

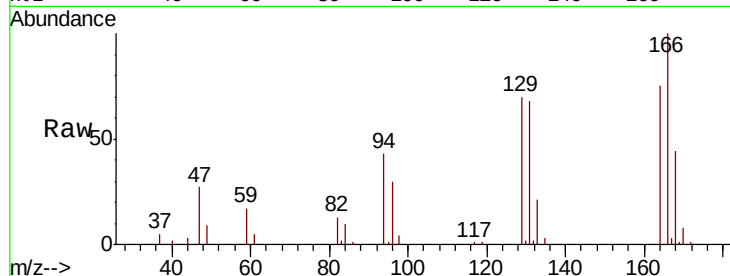
Ion Ratio Lower Upper

164 100

129 93.0 64.1 119.1

131 90.0 62.9 116.7

166 132.9 90.5 168.1

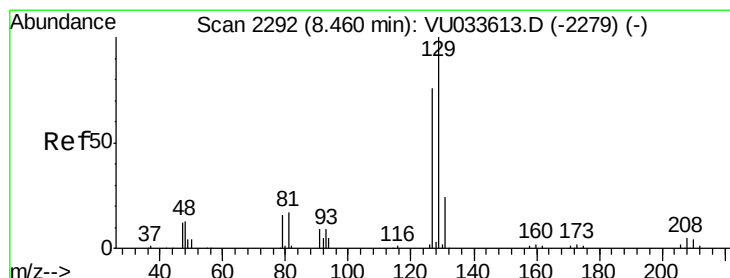
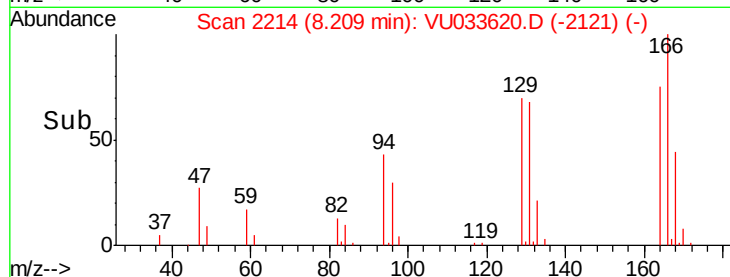
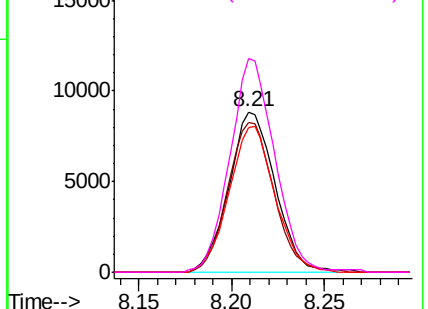


Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.299 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. -0.25 min

Lab File: VU033620.D

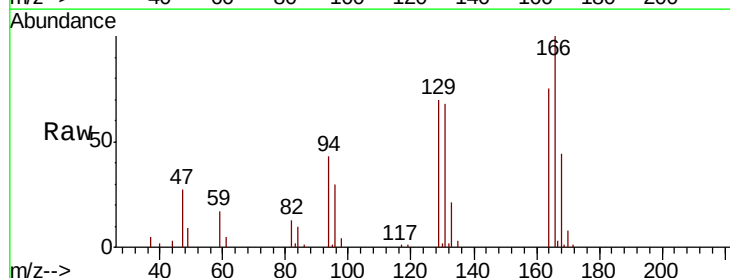
Acq: 07 Aug 2019 16:31

Tgt Ion:129 Resp: 14158

Ion Ratio Lower Upper

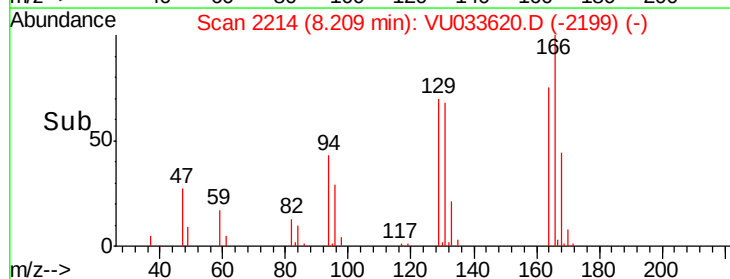
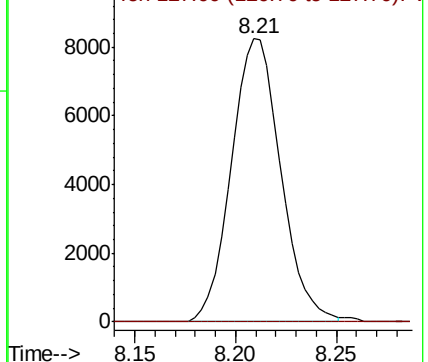
129 100

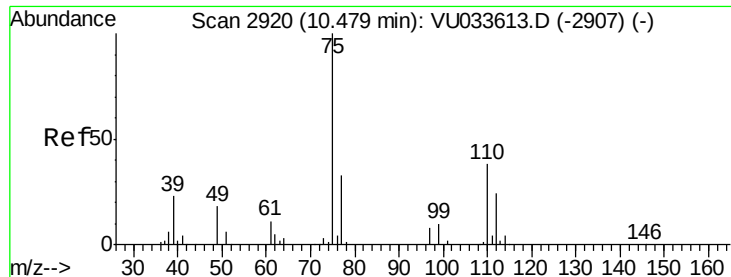
127 0.0 53.4 99.2#



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: 5.067 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033620.D

Acq: 07 Aug 2019 16:31

Instrument :

MSVOA_U

ClientSampleId :

F2B03

Tgt Ion: 75 Resp: 16863

Ion Ratio Lower Upper

75 100

77 36.5 25.7 38.5

