

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080719\
 Data File : VU033616.D
 Acq On : 07 Aug 2019 14:55
 Operator : JC/SP
 Sample : K4202-01 50X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B00

Quant Time: Aug 08 03:17:28 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	5.86	114	305044	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	308936	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	137587	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	97113	49.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.62%
7) Chloroethane-d5	1.67	69	94484	43.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.96%
11) 1,1-Dichloroethene-d2	2.26	63	132027	34.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.94%
21) 2-Butanone-d5	4.15	46	178356	112.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.93%
24) Chloroform-d	4.62	84	188524	50.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.60%
26) 1,2-Dichloroethane-d4	5.29	65	124459	53.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.36%
32) Benzene-d6	5.32	84	358689	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
36) 1,2-Dichloropropane-d6	6.31	67	124411	51.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.90%
41) Toluene-d8	7.55	98	307298	43.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.42%
43) trans-1,3-Dichloropropene-	7.83	79	56087	46.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.26%
47) 2-Hexanone-d5	8.30	63	123353	104.31	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.31%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	196543	53.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.22%
64) 1,2-Dichlorobenzene-d4	11.85	152	132903	53.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.58%

Target Compounds

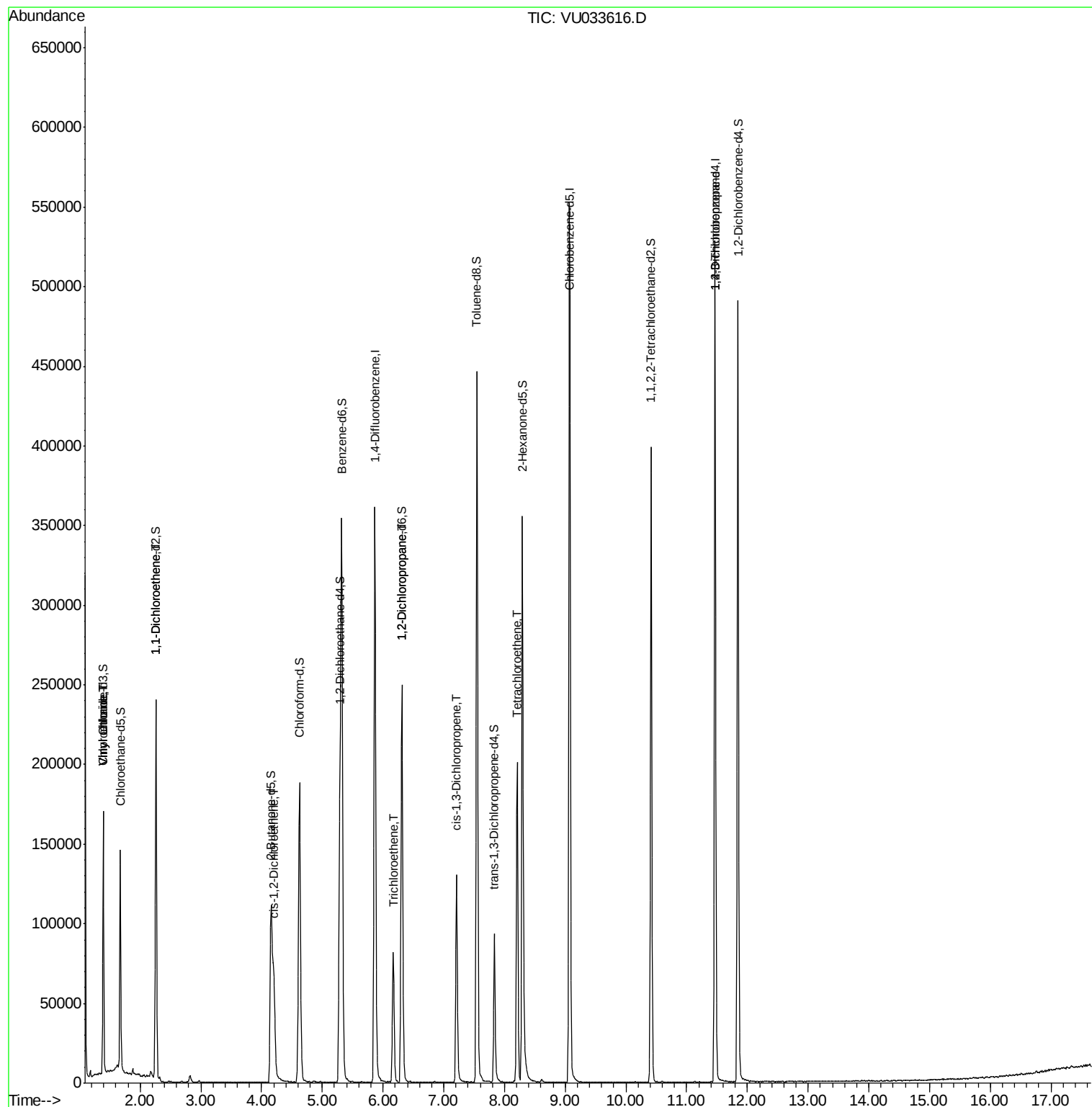
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.40	62	16001	5.173	ug/L #	77
8) Chloroethane	1.40	64	8420	3.462	ug/L	92
12) 1,1-Dichloroethene	2.27	96	1866	0.937	ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	31076	13.255	ug/L	100
34) Trichloroethene	6.17	95	28313	11.953	ug/L	97
37) 1,2-Dichloropropane	6.31	63	13113	5.221	ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3291	0.862	ug/L #	75
46) Tetrachloroethene	8.21	164	44841	23.073	ug/L	95
59) 1,2,3-Trichloropropane	11.47	75	16142	4.907	ug/L	91

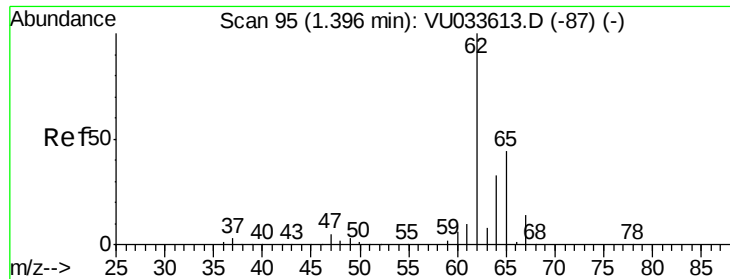
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 08 03:14:38 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.173 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033616.D

Acq: 07 Aug 2019 14:55

Instrument :

MSVOA_U

ClientSampled :

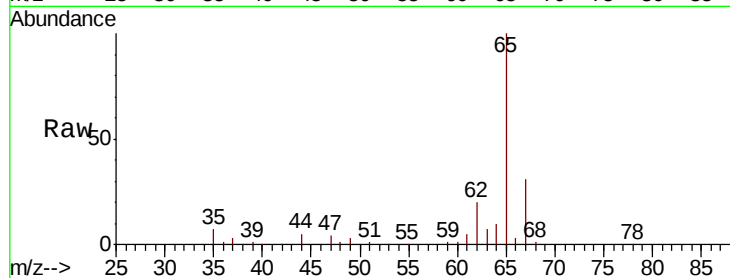
F2B00

Tgt Ion: 62 Resp: 16001

Ion Ratio Lower Upper

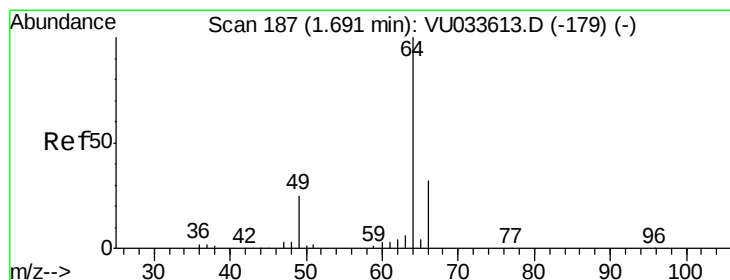
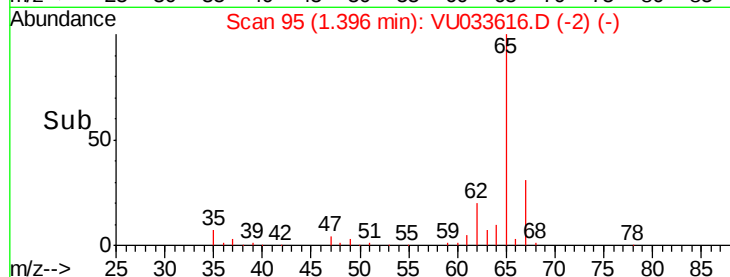
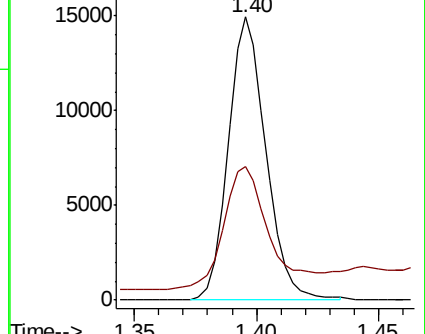
62 100

64 47.4 23.8 44.2#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 3.462 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.30 min

Lab File: VU033616.D

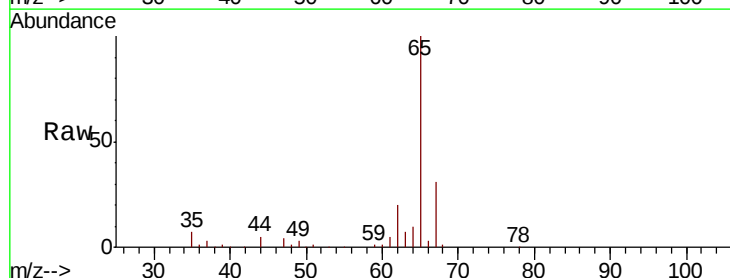
Acq: 07 Aug 2019 14:55

Tgt Ion: 64 Resp: 8420

Ion Ratio Lower Upper

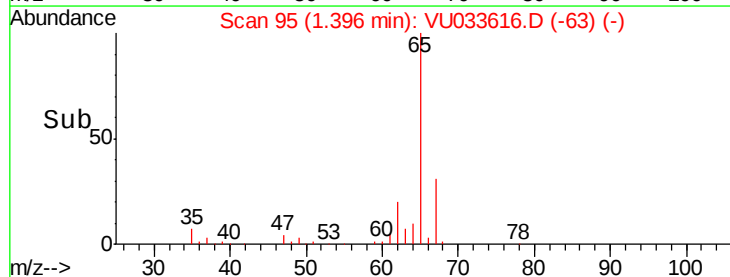
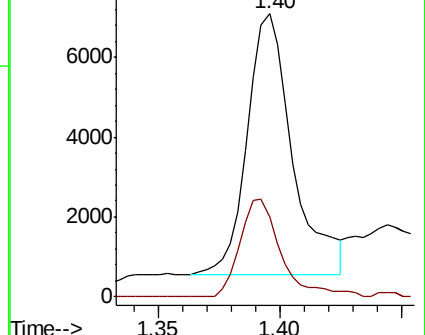
64 100

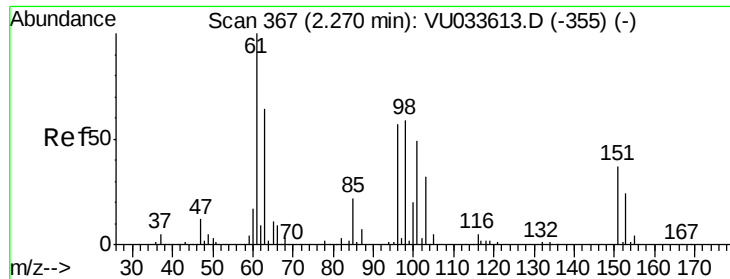
66 28.2 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#12

1,1-Dichloroethene

Concen: 0.937 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033616.D

Acq: 07 Aug 2019 14:55

Instrument :

MSVOA_U

ClientSampled :

F2B00

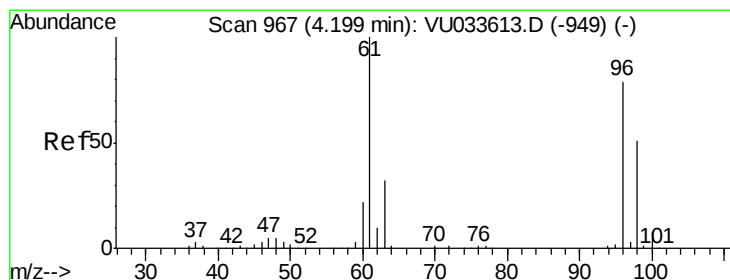
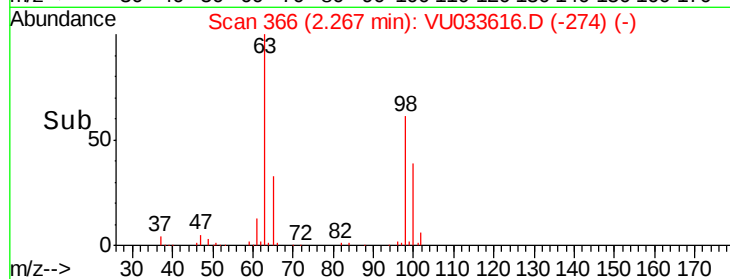
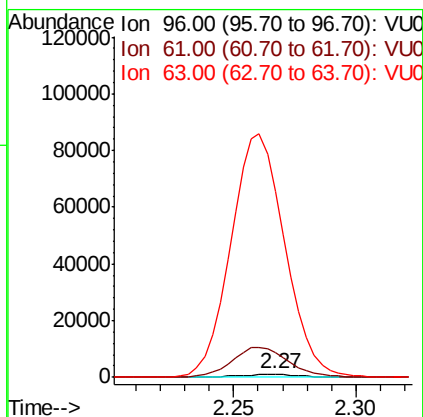
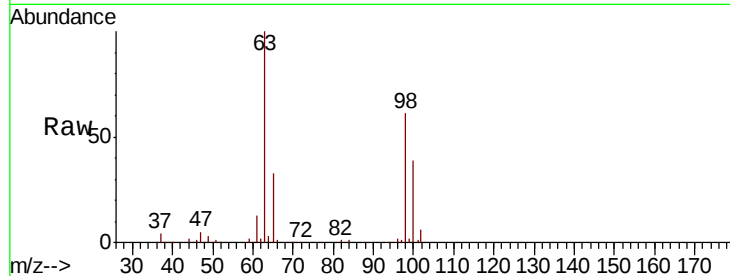
Tgt Ion: 96 Resp: 1866

Ion Ratio Lower Upper

96 100

61 834.9 119.1 221.3#

63 6187.9 77.9 144.7#



#20

cis-1,2-Dichloroethene

Concen: 13.255 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU033616.D

Acq: 07 Aug 2019 14:55

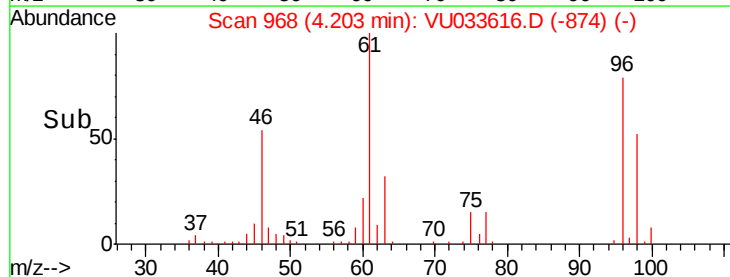
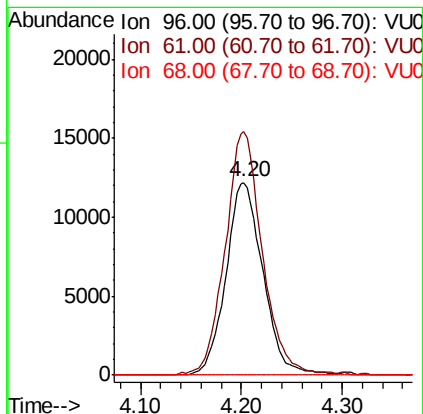
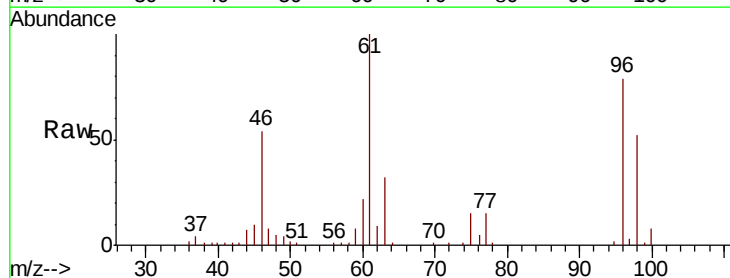
Tgt Ion: 96 Resp: 31076

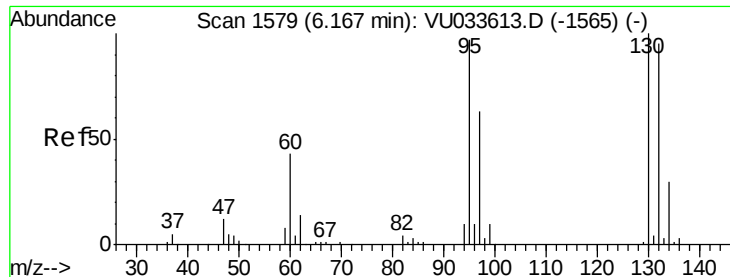
Ion Ratio Lower Upper

96 100

61 126.3 88.2 163.8

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 11.953 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033616.D

Acq: 07 Aug 2019 14:55

Instrument :

MSVOA_U

ClientSampleId :

F2B00

Tgt Ion: 95 Resp: 28313

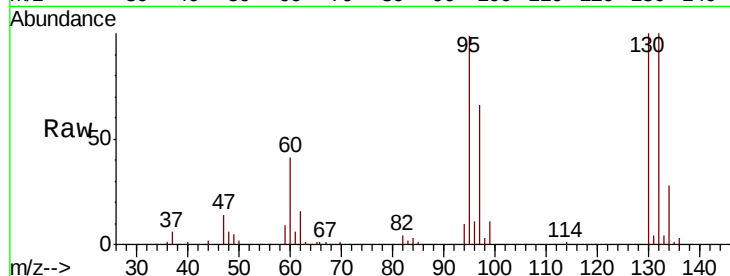
Ion Ratio Lower Upper

95 100

97 66.6 43.8 81.4

132 100.7 68.6 127.4

130 101.0 72.2 134.2

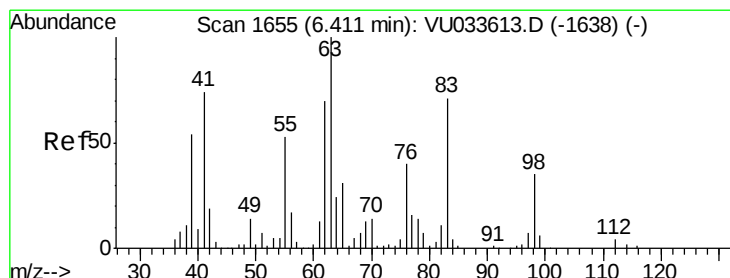
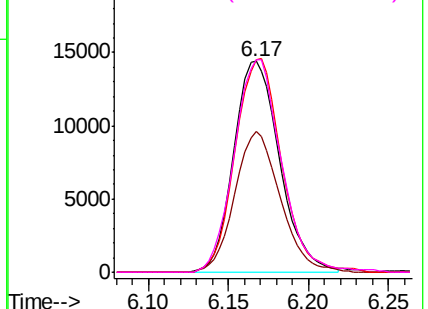
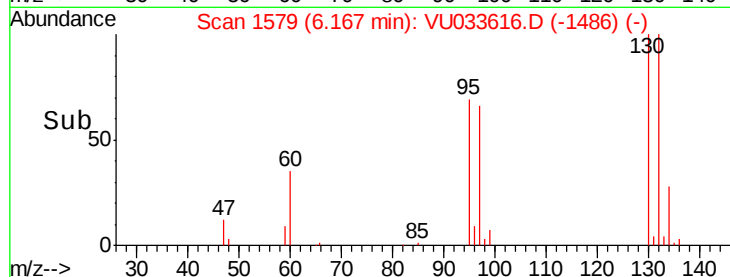


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.221 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU033616.D

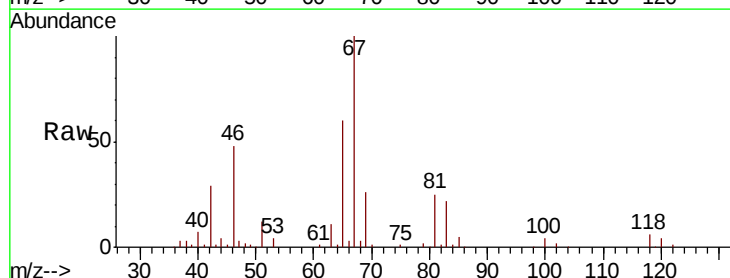
Acq: 07 Aug 2019 14:55

Tgt Ion: 63 Resp: 13113

Ion Ratio Lower Upper

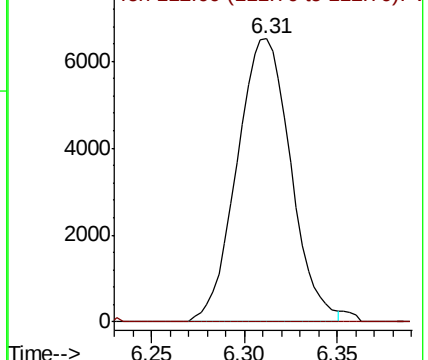
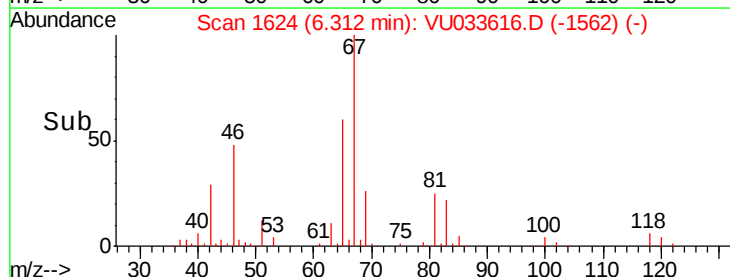
63 100

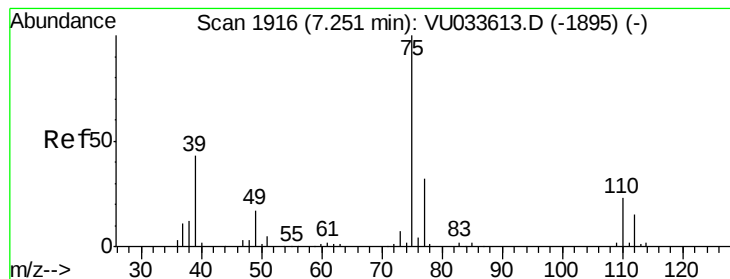
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



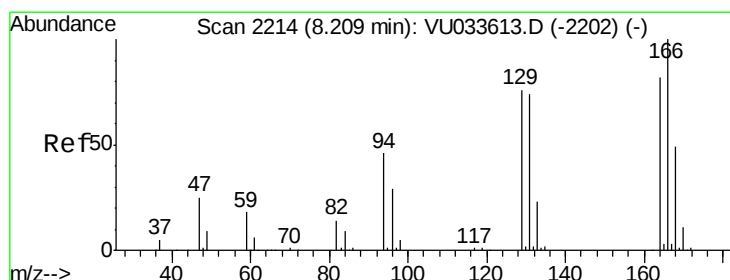
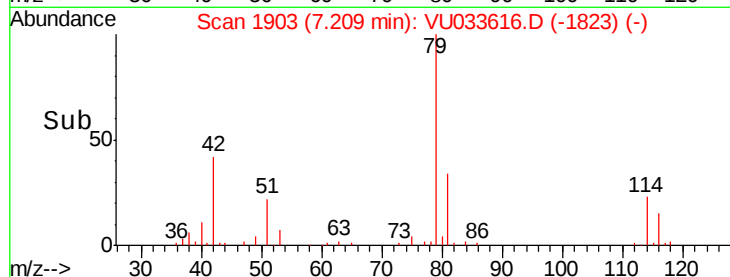
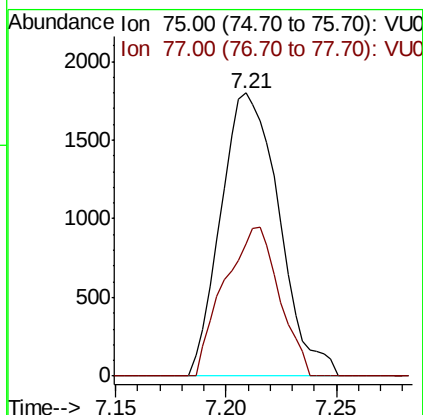
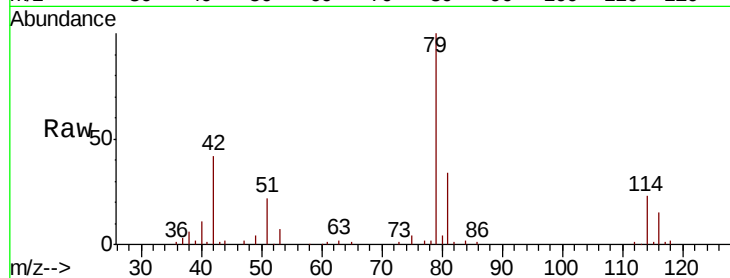


#39

cis-1,3-Dichloropropene
Concen: 0.862 ug/L
RT: 7.21 min Scan# 1903
Delta R.T. -0.04 min
Lab File: VU033616.D
Acq: 07 Aug 2019 14:55

Instrument :
MSVOA_U
ClientSampleId :
F2B00

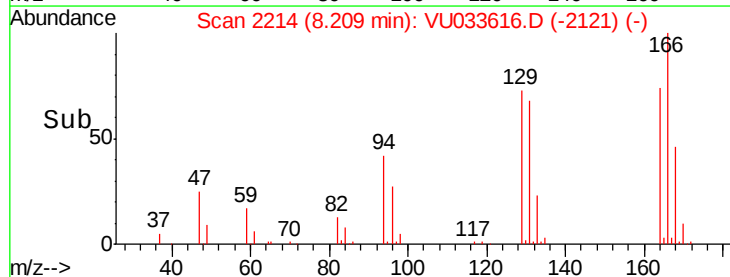
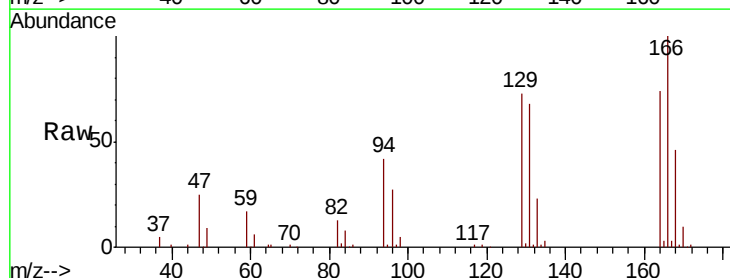
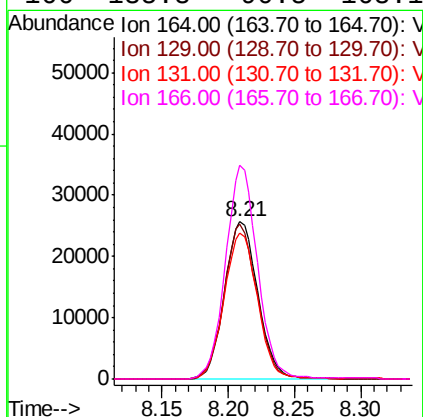
Tgt Ion: 75 Resp: 3291
Ion Ratio Lower Upper
75 100
77 46.6 22.7 42.3#

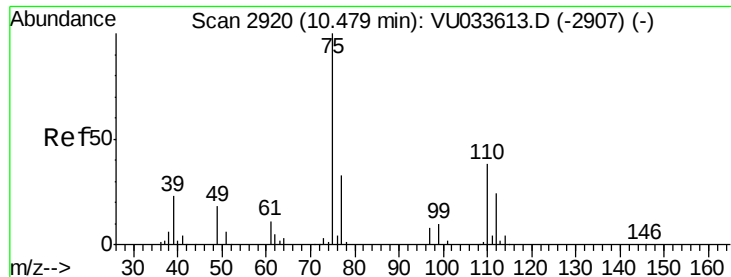


#46

Tetrachloroethene
Concen: 23.073 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033616.D
Acq: 07 Aug 2019 14:55

Tgt Ion: 164 Resp: 44841
Ion Ratio Lower Upper
164 100
129 98.5 64.1 119.1
131 92.9 62.9 116.7
166 135.8 90.5 168.1





#59

1,2,3-Trichloropropane

Concen: 4.907 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033616.D

Acq: 07 Aug 2019 14:55

Instrument :

MSVOA_U

ClientSampleId :

F2B00

Tgt Ion: 75 Resp: 16142

Ion Ratio Lower Upper

75 100

77 37.1 25.7 38.5

