

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080719\
 Data File : VU033621.D
 Acq On : 07 Aug 2019 16:54
 Operator : JC/SP
 Sample : K4202-05 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B22

Quant Time: Aug 08 03:18:05 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	306099	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	308319	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	143054	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	94540	48.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.66%
7) Chloroethane-d5	1.67	69	94014	43.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.24%
11) 1,1-Dichloroethene-d2	2.26	63	124533	32.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.76%
21) 2-Butanone-d5	4.17	46	184772	116.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.59%
24) Chloroform-d	4.62	84	180307	48.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.84%
26) 1,2-Dichloroethane-d4	5.29	65	122017	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.92%
32) Benzene-d6	5.32	84	348586	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
36) 1,2-Dichloropropane-d6	6.31	67	117817	48.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.64%
41) Toluene-d8	7.55	98	300560	42.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.68%
43) trans-1,3-Dichloropropene-	7.83	79	52664	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.76%
47) 2-Hexanone-d5	8.30	63	126523	107.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.20%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	191510	51.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.70%
64) 1,2-Dichlorobenzene-d4	11.84	152	132252	51.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.96%

Target Compounds

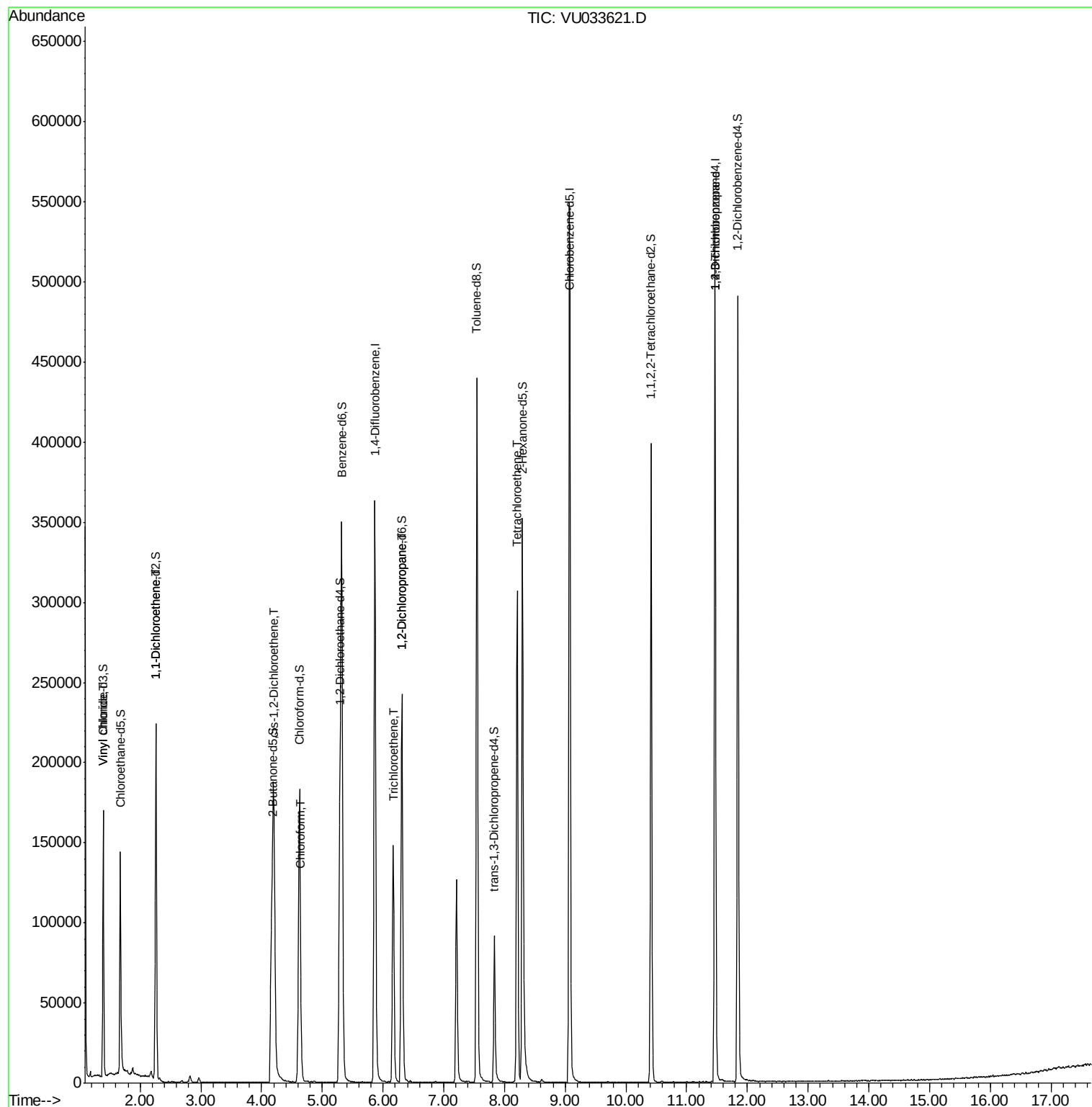
					Qvalue
5) Vinyl chloride	1.40	62	22240	7.165 ug/L	92
12) 1,1-Dichloroethene	2.27	96	1595	0.798 ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	85916	36.520 ug/L	99
25) Chloroform	4.65	83	5672	1.367 ug/L	93
34) Trichloroethene	6.17	95	50556	21.385 ug/L	96
37) 1,2-Dichloropropane	6.31	63	12857	5.129 ug/L #	88
46) Tetrachloroethene	8.21	164	68250	35.188 ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	15471	4.712 ug/L #	87

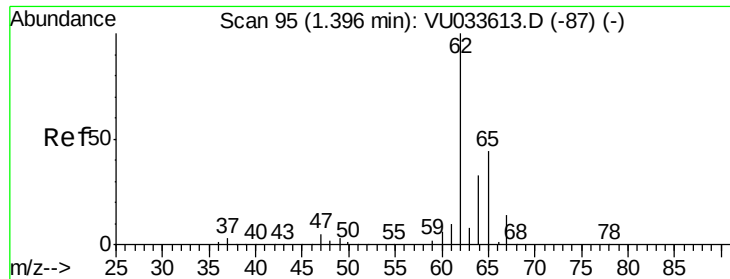
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.165 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

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Acq: 07 Aug 2019 16:54

Instrument :

MSVOA_U

ClientSampleId :

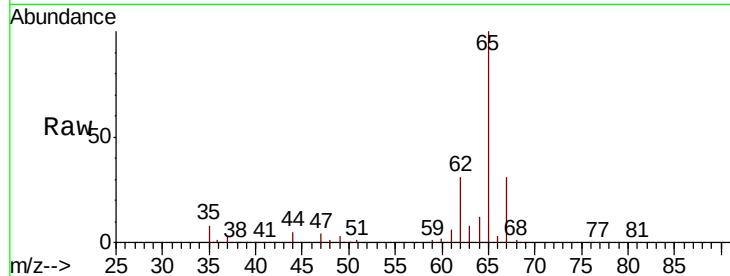
F2B22

Tgt Ion: 62 Resp: 22240

Ion Ratio Lower Upper

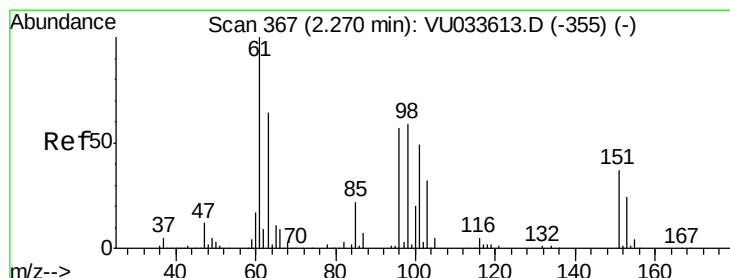
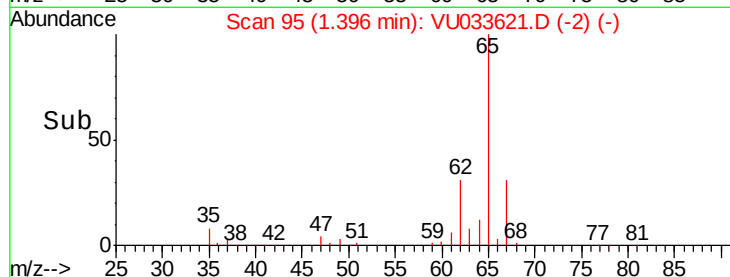
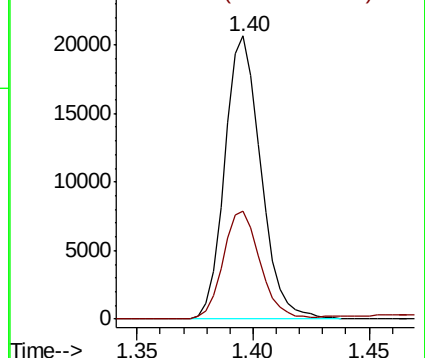
62 100

64 38.4 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 0.798 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU033621.D

Acq: 07 Aug 2019 16:54

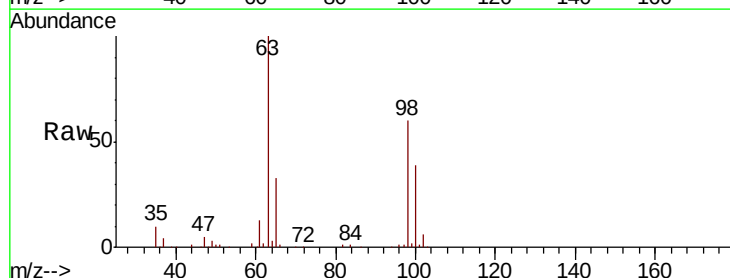
Tgt Ion: 96 Resp: 1595

Ion Ratio Lower Upper

96 100

61 972.2 119.1 221.3#

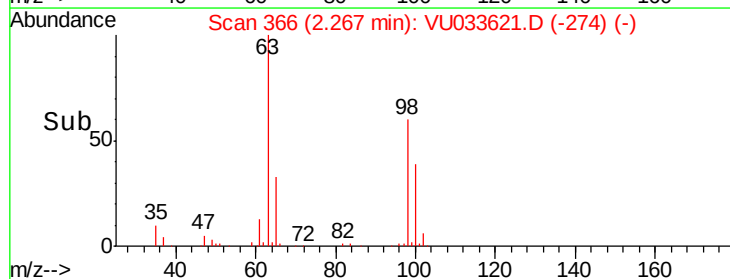
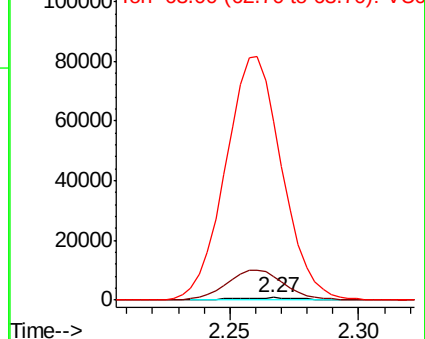
63 7282.6 77.9 144.7#

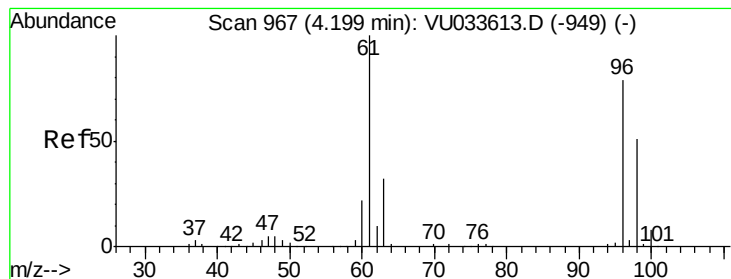


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 36.520 ug/L

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU033621.D

Acq: 07 Aug 2019 16:54

Instrument :

MSVOA_U

ClientSampleID :

F2B22

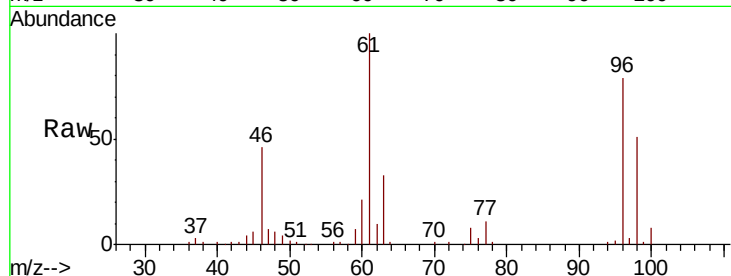
Tgt Ion: 96 Resp: 85916

Ion Ratio Lower Upper

96 100

61 127.1 88.2 163.8

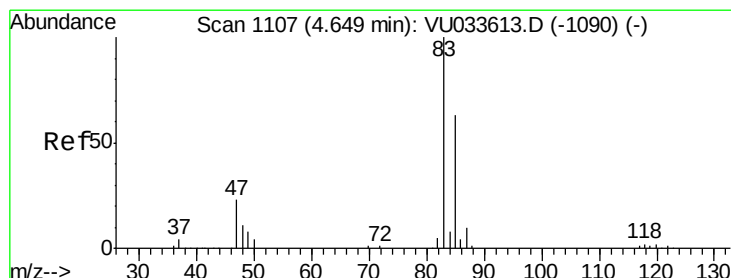
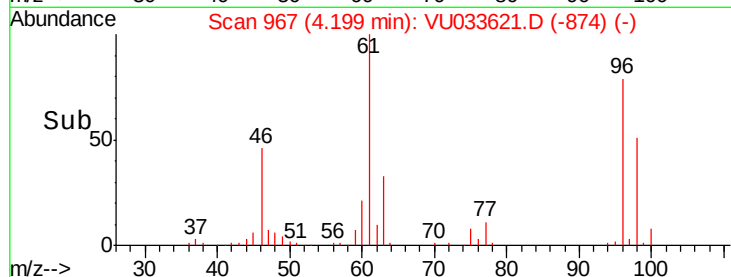
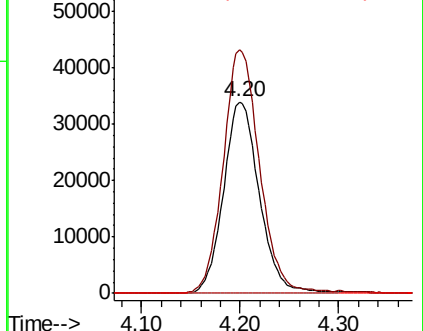
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033621.D (-874) (-)

Ion 61.00 (60.70 to 61.70): VU033621.D (-874) (-)

Ion 68.00 (67.70 to 68.70): VU033621.D (-874) (-)



#25

Chloroform

Concen: 1.367 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU033621.D

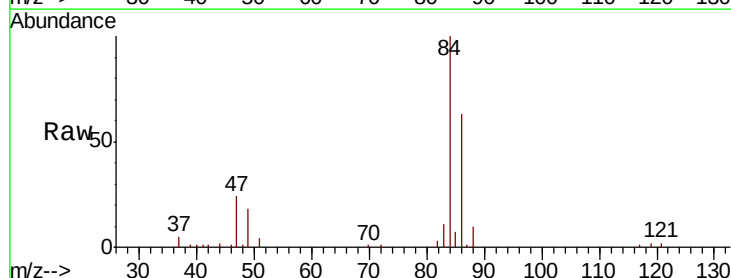
Acq: 07 Aug 2019 16:54

Tgt Ion: 83 Resp: 5672

Ion Ratio Lower Upper

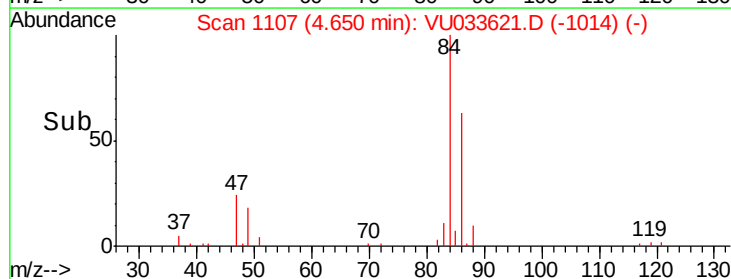
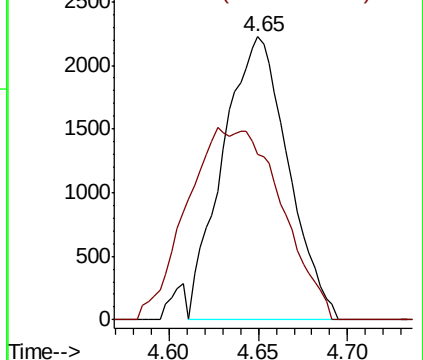
83 100

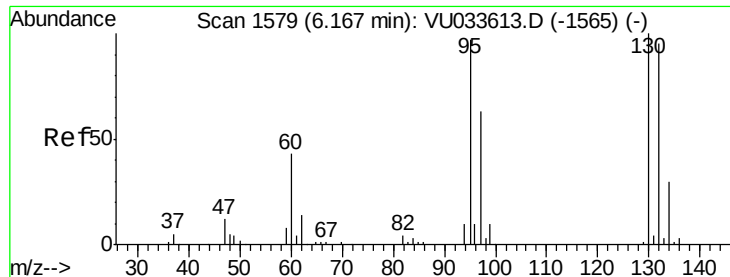
85 58.5 44.9 83.3



Abundance Ion 83.00 (82.70 to 83.70): VU033621.D (-1014) (-)

Ion 85.00 (84.70 to 85.70): VU033621.D (-1014) (-)





#34

Trichloroethene

Concen: 21.385 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033621.D

Acq: 07 Aug 2019 16:54

Instrument :

MSVOA_U

ClientSampleId :

F2B22

Tgt Ion: 95 Resp: 50556

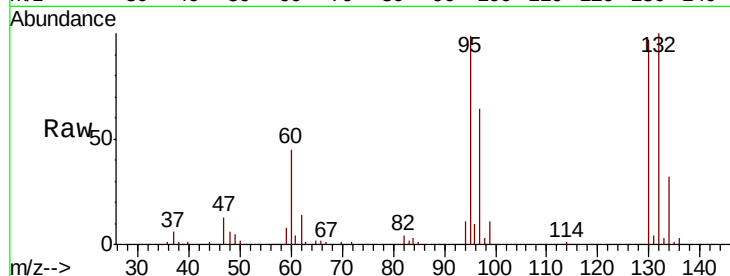
Ion Ratio Lower Upper

95 100

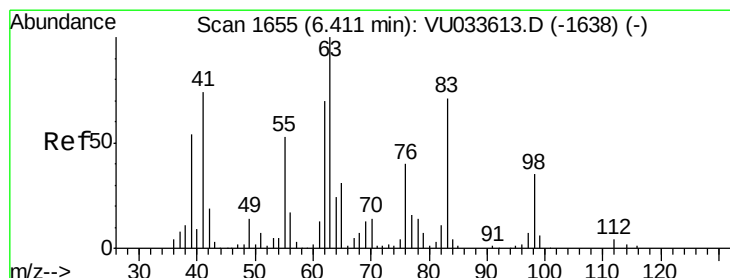
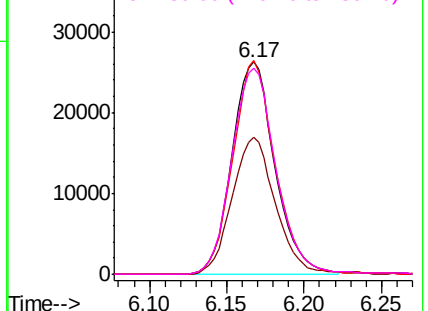
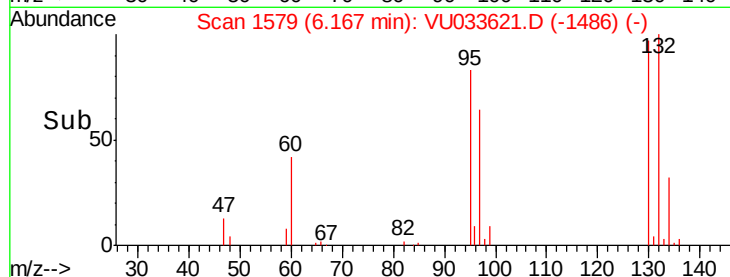
97 64.5 43.8 81.4

132 100.6 68.6 127.4

130 97.2 72.2 134.2



Abundance Ion 95.00 (94.70 to 95.70): VU033621.D (-1486) (-)



#37

1,2-Dichloropropane

Concen: 5.129 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033621.D

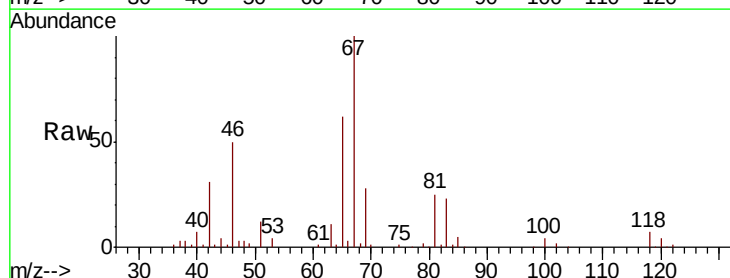
Acq: 07 Aug 2019 16:54

Tgt Ion: 63 Resp: 12857

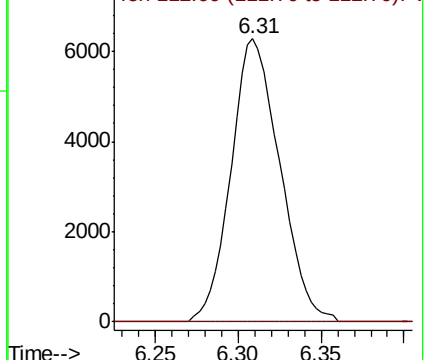
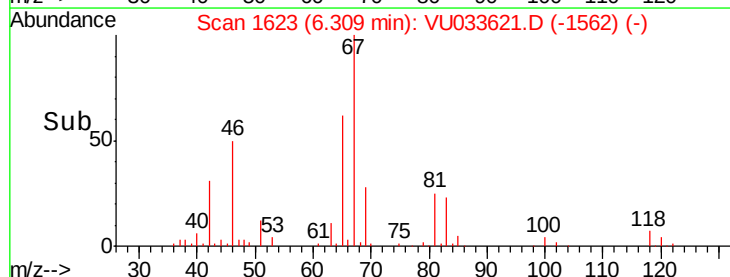
Ion Ratio Lower Upper

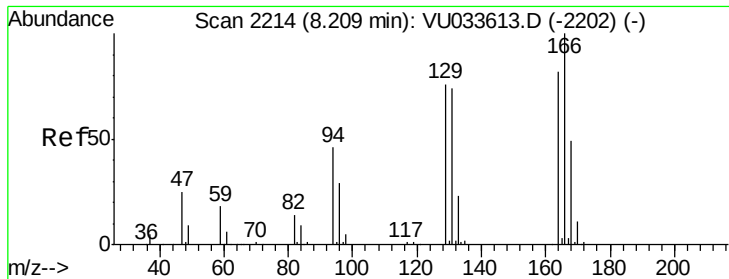
63 100

112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU033621.D (-1562) (-)

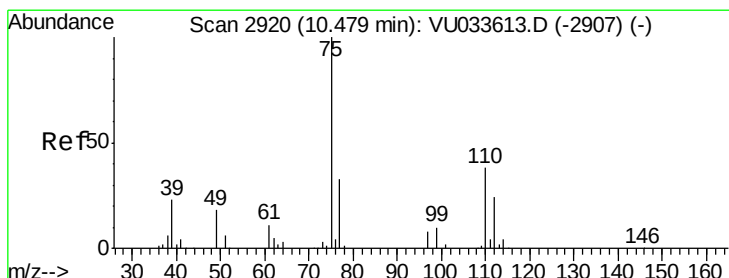
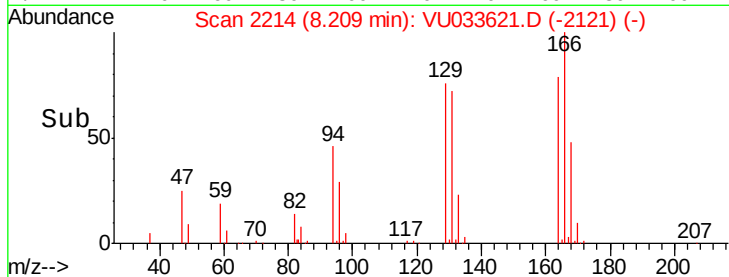
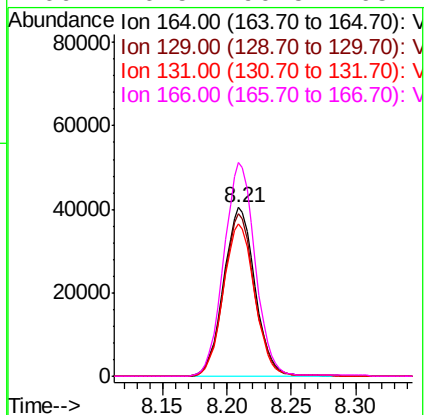
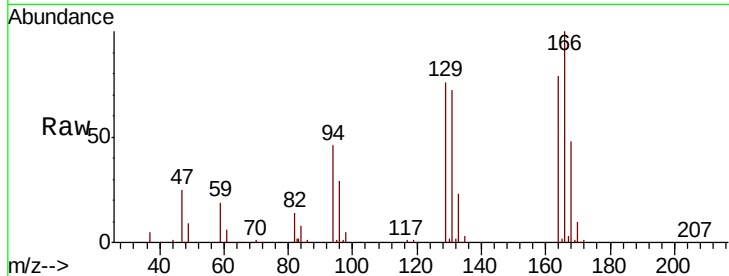




#46
Tetrachloroethene
Concen: 35.188 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU033621.D
Acq: 07 Aug 2019 16:54

Instrument :
MSVOA_U
ClientSampleId :
F2B22

Tgt Ion:164 Resp: 68250
Ion Ratio Lower Upper
164 100
129 96.3 64.1 119.1
131 90.6 62.9 116.7
166 126.5 90.5 168.1



#59
1,2,3-Trichloropropane
Concen: 4.712 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033621.D
Acq: 07 Aug 2019 16:54

Tgt Ion: 75 Resp: 15471
Ion Ratio Lower Upper
75 100
77 39.4 25.7 38.5#

