

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU080719\
 Data File : VU033618.D
 Acq On : 07 Aug 2019 15:45
 Operator : JC/SP
 Sample : K4202-01 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B00

Quant Time: Aug 08 03:17:42 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	305982	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	308943	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	143359	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	94572	48.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.72%
7) Chloroethane-d5	1.67	69	105753	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.04%
11) 1,1-Dichloroethene-d2	2.26	63	125878	33.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.48%
21) 2-Butanone-d5	4.16	46	176857	111.64	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	111.64%
24) Chloroform-d	4.62	84	180260	48.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.86%
26) 1,2-Dichloroethane-d4	5.29	65	121001	51.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.10%
32) Benzene-d6	5.32	84	352047	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.18%
36) 1,2-Dichloropropane-d6	6.31	67	119306	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.68%
41) Toluene-d8	7.55	98	293458	41.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.48%
43) trans-1,3-Dichloropropene-	7.83	79	54873	45.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.24%
47) 2-Hexanone-d5	8.30	63	124944	105.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.65%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	192876	52.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.24%
64) 1,2-Dichlorobenzene-d4	11.84	152	134464	52.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.46%

Target Compounds

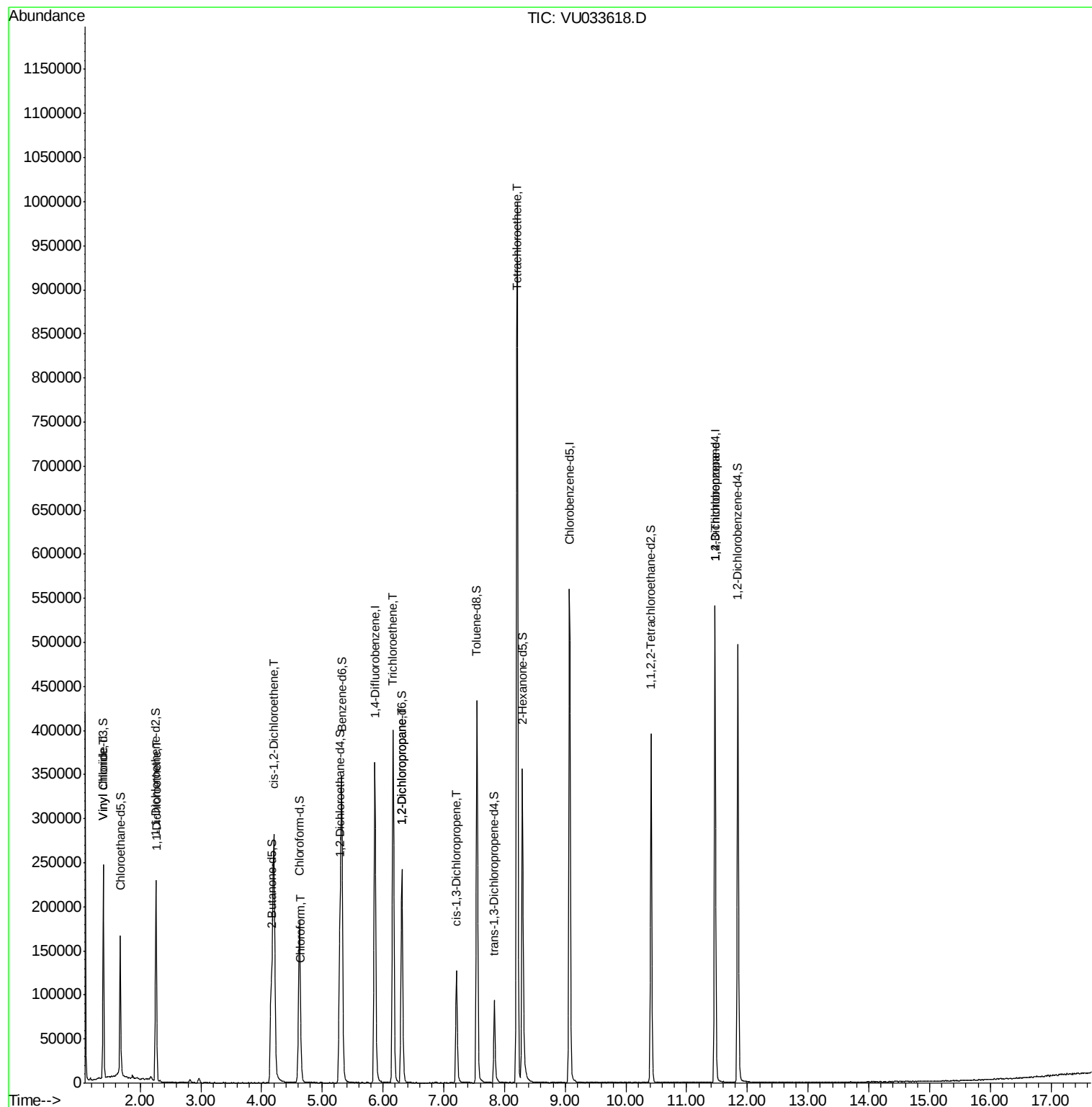
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	1.40	62	73244	23.606	ug/L	99
12) 1,1-Dichloroethene	2.27	96	4648	2.326	ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	148453	63.126	ug/L	97
25) Chloroform	4.65	83	4677	1.128	ug/L	97
34) Trichloroethene	6.17	95	138795	58.592	ug/L	98
37) 1,2-Dichloropropane	6.31	63	13209	5.259	ug/L #	89
39) cis-1,3-Dichloropropene	7.21	75	3301	0.864	ug/L #	73
46) Tetrachloroethene	8.21	164	217786	112.059	ug/L	97
59) 1,2,3-Trichloropropane	11.47	75	16679	5.070	ug/L	89

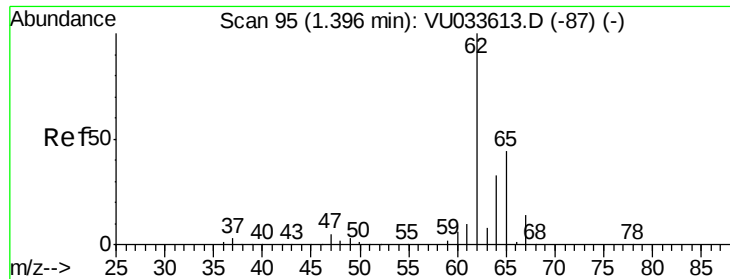
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 23.606 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033618.D

Acq: 07 Aug 2019 15:45

Instrument :

MSVOA_U

ClientSampleId :

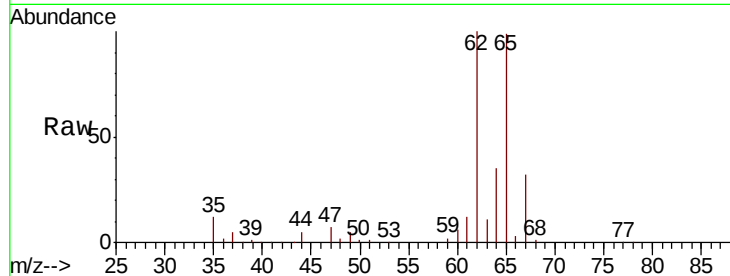
F2B00

Tgt Ion: 62 Resp: 73244

Ion Ratio Lower Upper

62 100

64 34.7 23.8 44.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

80000

60000

40000

20000

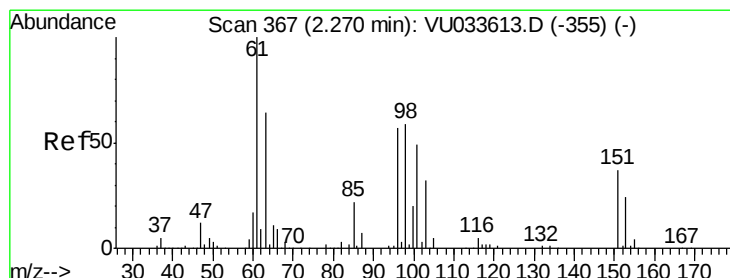
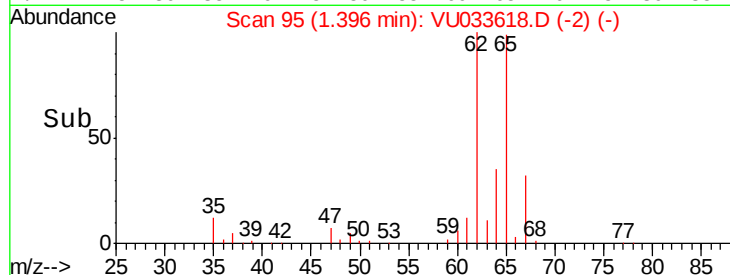
0

1.35

1.40

1.45

Time-->



#12

1,1-Dichloroethene

Concen: 2.326 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033618.D

Acq: 07 Aug 2019 15:45

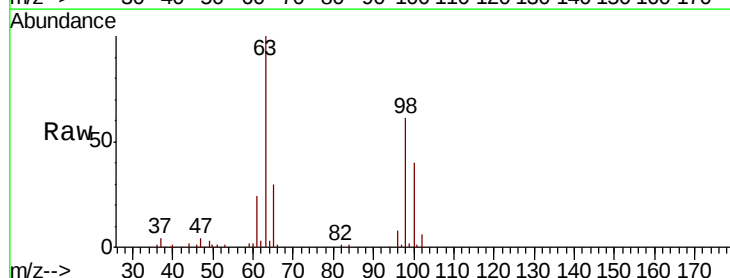
Tgt Ion: 96 Resp: 4648

Ion Ratio Lower Upper

96 100

61 293.0 119.1 221.3#

63 1239.1 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

100000

80000

60000

40000

20000

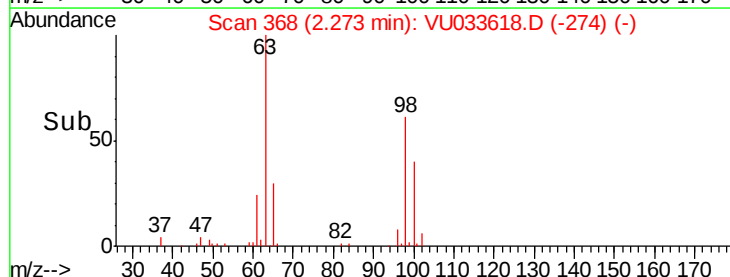
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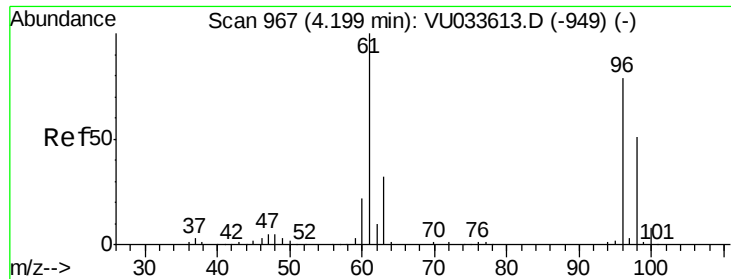
2.20

2.25

2.30

Time-->

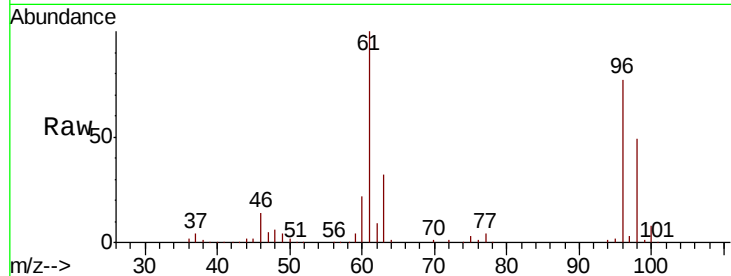




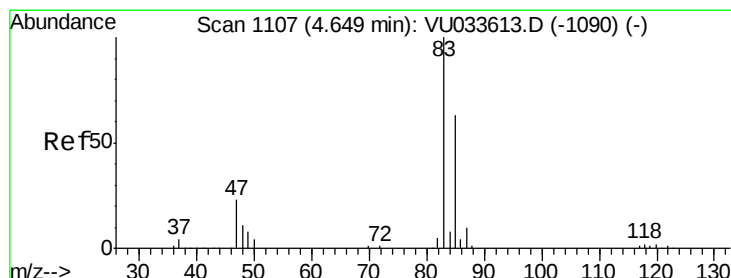
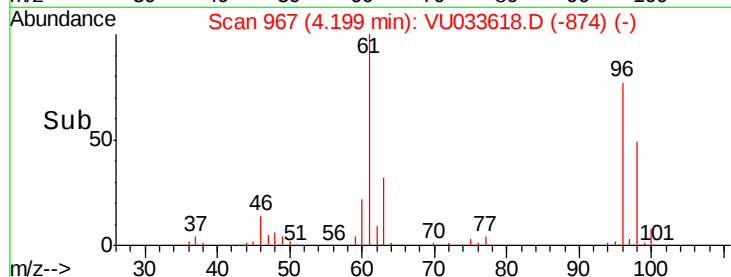
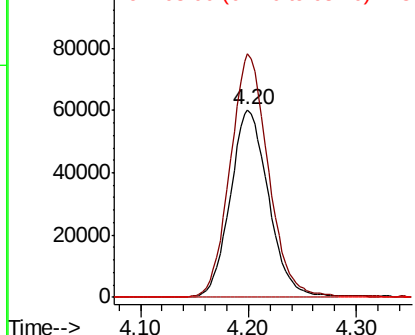
#20
 cis-1,2-Dichloroethene
 Concen: 63.126 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033618.D
 Acq: 07 Aug 2019 15:45

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B00

Tgt Ion: 96 Resp: 148453
 Ion Ratio Lower Upper
 96 100
 61 129.8 88.2 163.8
 68 0.0 0.0 0.0

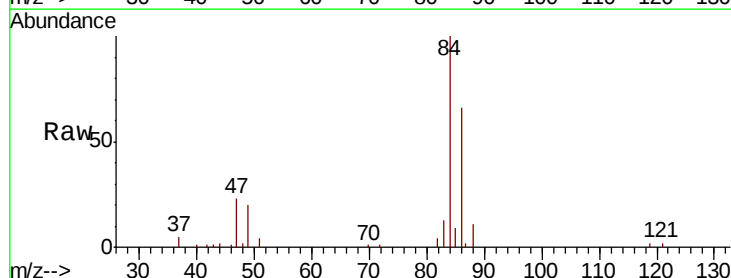


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

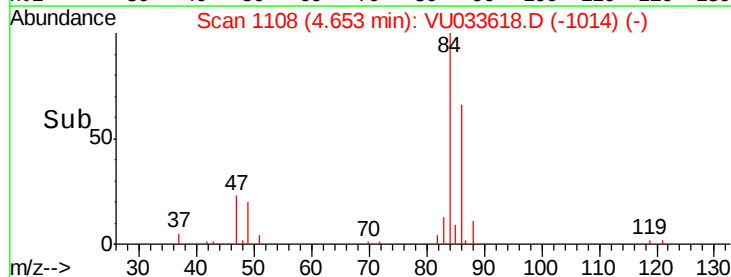
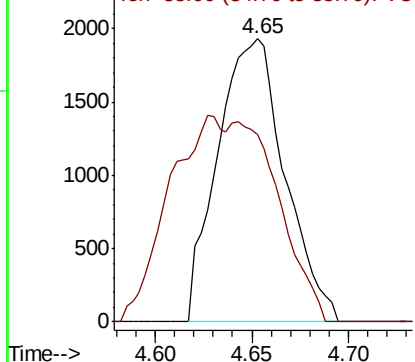


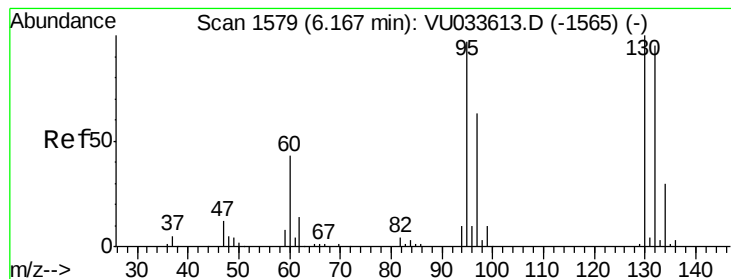
#25
 Chloroform
 Concen: 1.128 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VU033618.D
 Acq: 07 Aug 2019 15:45

Tgt Ion: 83 Resp: 4677
 Ion Ratio Lower Upper
 83 100
 85 66.4 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: 58.592 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU033618.D

Acq: 07 Aug 2019 15:45

Instrument :

MSVOA_U

ClientSampleId :

F2B00

Tgt Ion: 95 Resp: 138795

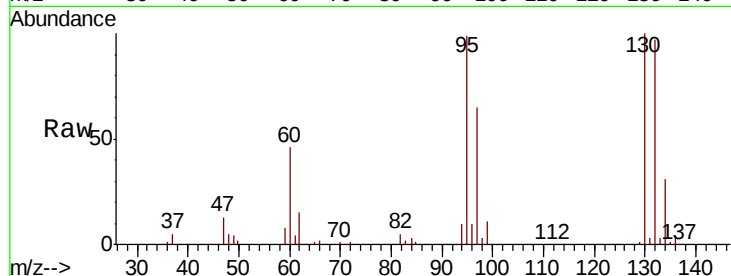
Ion Ratio Lower Upper

95 100

97 65.7 43.8 81.4

132 98.5 68.6 127.4

130 101.2 72.2 134.2

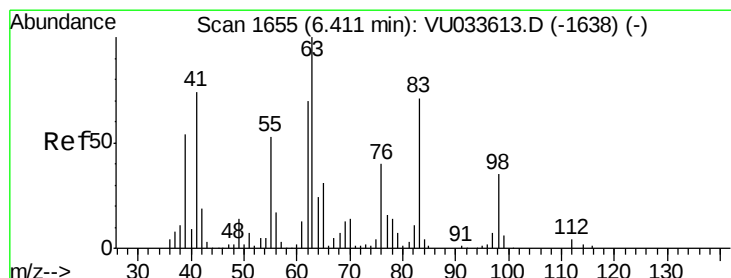
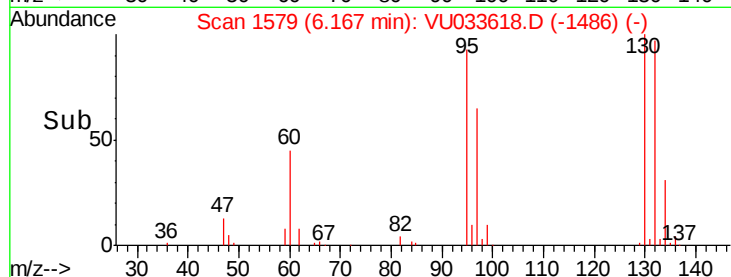
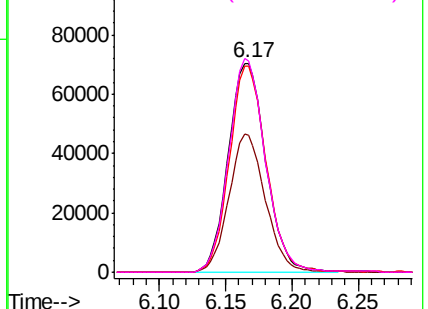


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.259 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.10 min

Lab File: VU033618.D

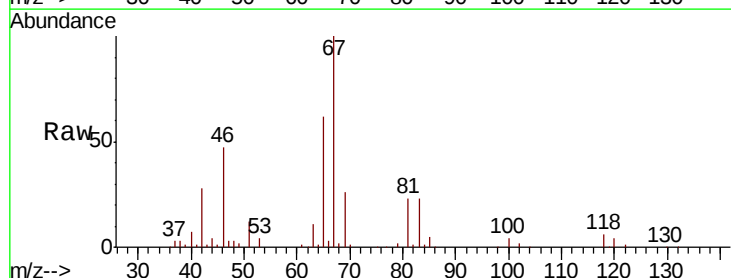
Acq: 07 Aug 2019 15:45

Tgt Ion: 63 Resp: 13209

Ion Ratio Lower Upper

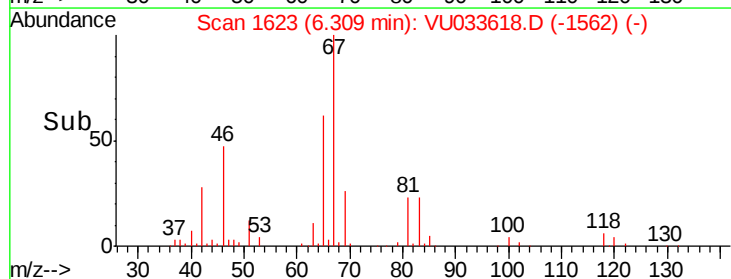
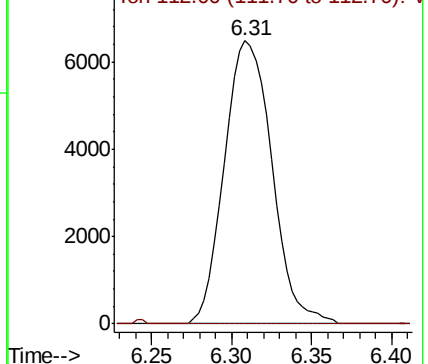
63 100

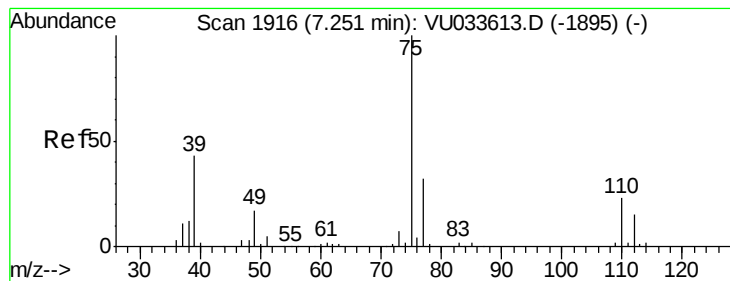
112 0.3 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



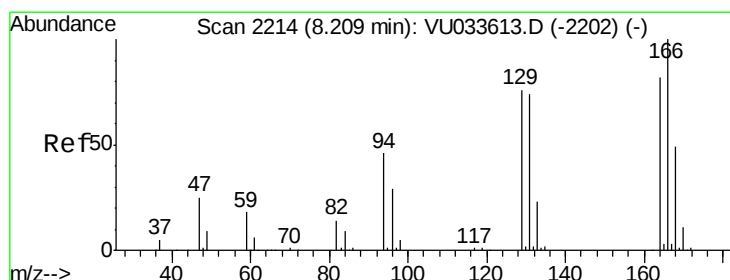
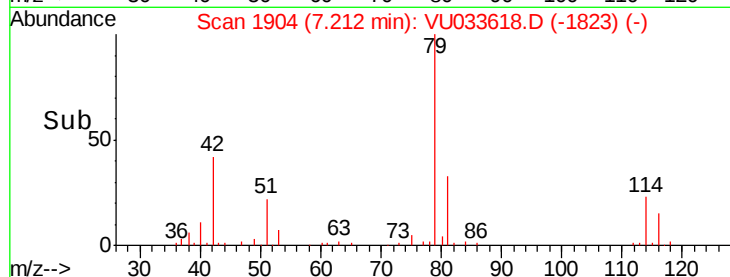
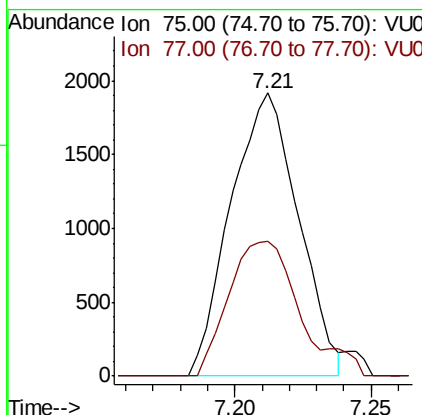
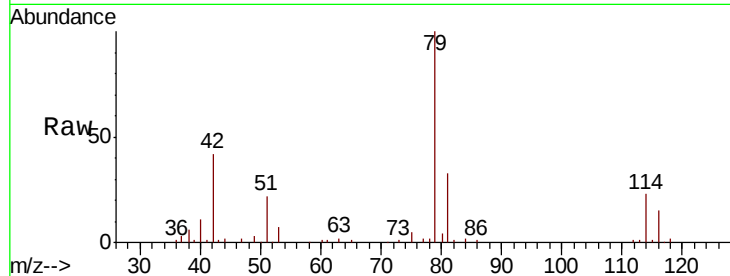


#39

cis-1,3-Dichloropropene
 Concen: 0.864 ug/L
 RT: 7.21 min Scan# 1904
 Delta R.T. -0.04 min
 Lab File: VU033618.D
 Acq: 07 Aug 2019 15:45

Instrument :
 MSVOA_U
 ClientSampled :
 F2B00

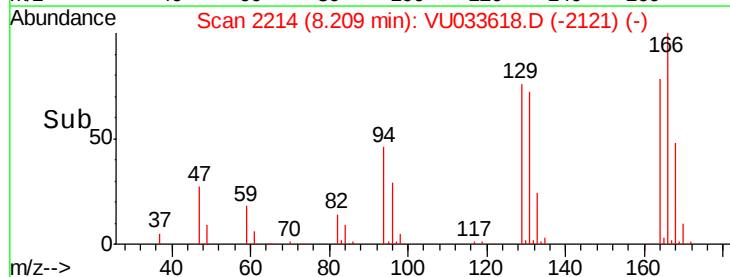
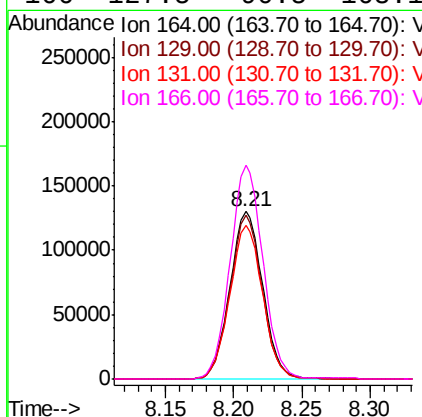
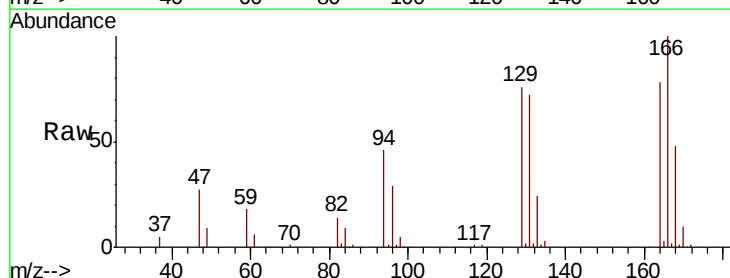
Tgt Ion: 75 Resp: 3301
 Ion Ratio Lower Upper
 75 100
 77 47.5 22.7 42.3#

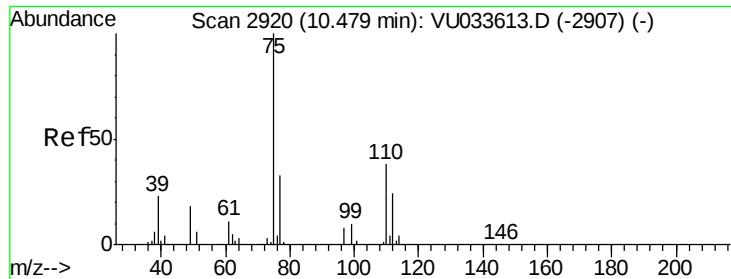


#46

Tetrachloroethene
 Concen: 112.059 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU033618.D
 Acq: 07 Aug 2019 15:45

Tgt Ion: 164 Resp: 217786
 Ion Ratio Lower Upper
 164 100
 129 97.5 64.1 119.1
 131 91.7 62.9 116.7
 166 127.5 90.5 168.1





#59

1,2,3-Trichloropropane

Concen: 5.070 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033618.D

Acq: 07 Aug 2019 15:45

Instrument :

MSVOA_U

ClientSampleId :

F2B00

Tgt Ion: 75 Resp: 16679

Ion Ratio Lower Upper

75 100

77 38.4 25.7 38.5

