

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU081019\
 Data File : VU033722.D
 Acq On : 10 Aug 2019 12:57
 Operator : JC/SP
 Sample : K4289-10DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B30DL

Quant Time: Aug 11 04:27:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Aug 11 04:24:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	314638	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	306627	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	149261	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	167374	72.26	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	144.52%#
7) Chloroethane-d5	1.67	69	141144	60.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	121.60%
11) 1,1-Dichloroethene-d2	2.26	63	240720	61.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	123.62%
21) 2-Butanone-d5	4.15	46	252154	175.61	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	175.61%#
24) Chloroform-d	4.62	84	275095	79.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	159.88%#
26) 1,2-Dichloroethane-d4	5.29	65	178515	82.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	165.94%#
32) Benzene-d6	5.32	84	566666	78.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	156.62%#
36) 1,2-Dichloropropane-d6	6.31	67	179490	80.83	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	161.66%#
41) Toluene-d8	7.55	98	508668	74.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	149.46%#
43) trans-1,3-Dichloropropene-	7.83	79	87475	78.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	156.00%#
47) 2-Hexanone-d5	8.29	63	187874	163.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	163.33%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	263301	80.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	160.30%#
64) 1,2-Dichlorobenzene-d4	11.85	152	201508	80.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	160.44%#

Target Compounds

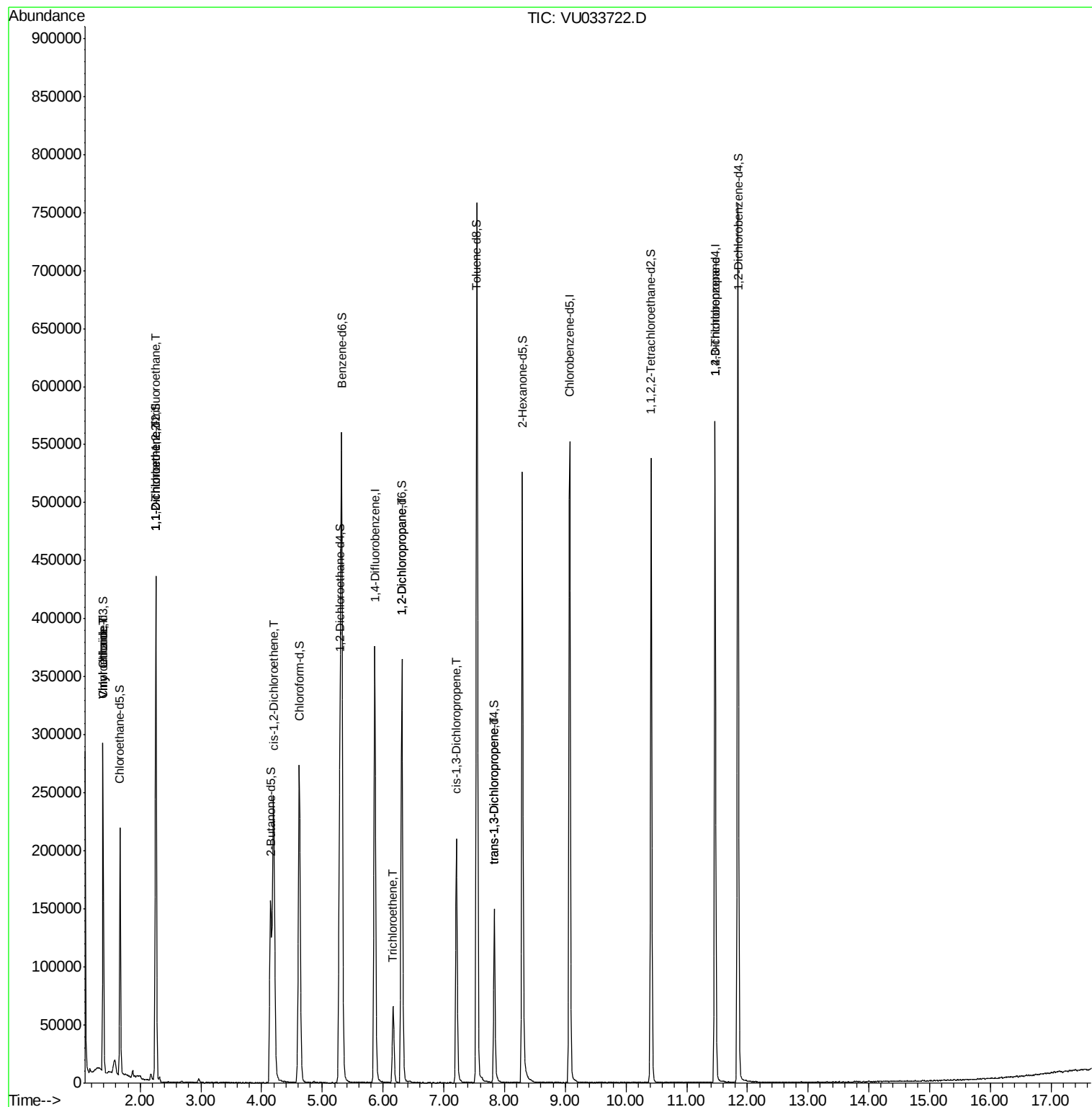
					Qvalue
5) Vinyl chloride	1.40	62	27803	10.497 ug/L	91
8) Chloroethane	1.39	64	11590	5.748 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	2099	1.114 ug/L #	18
12) 1,1-Dichloroethene	2.26	96	1947	1.052 ug/L #	1
20) cis-1,2-Dichloroethene	4.20	96	136272	60.248 ug/L	95
34) Trichloroethene	6.17	95	22421	9.958 ug/L	93
37) 1,2-Dichloropropane	6.31	63	19494	8.560 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	5448	1.505 ug/L #	76
44) trans-1,3-Dichloropropene	7.83	75	3758	1.166 ug/L	93
59) 1,2,3-Trichloropropane	11.47	75	17532	5.695 ug/L	95

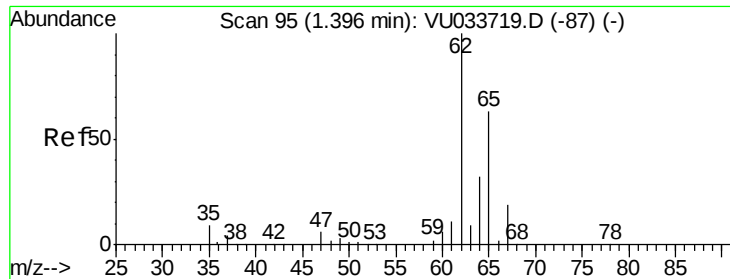
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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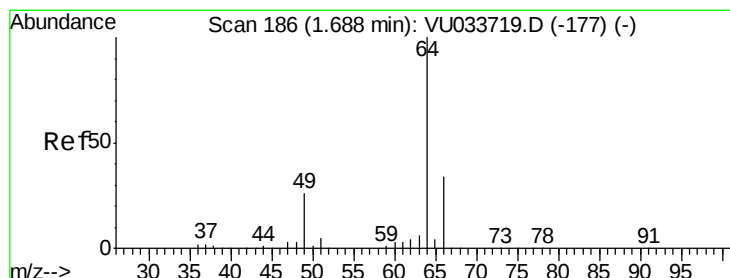
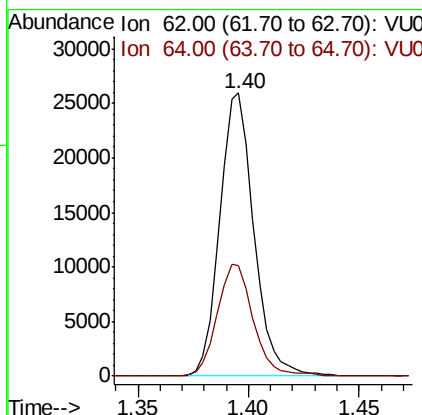
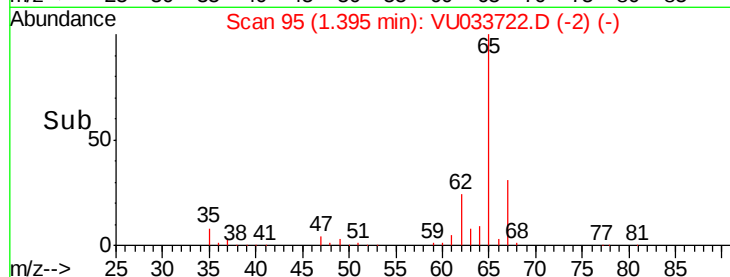
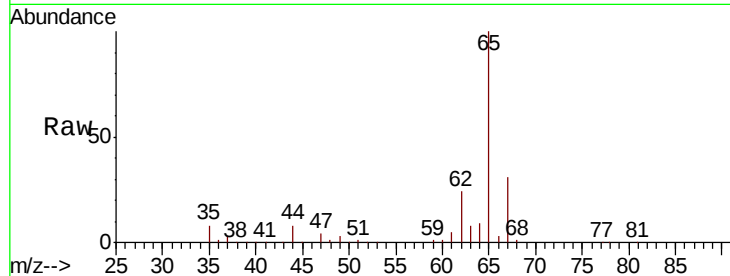




#5
 Vinyl chloride
 Concen: 10.497 ug/L
 RT: 1.40 min Scan# 95
 Delta R.T. -0.00 min
 Lab File: VU033722.D
 Acq: 10 Aug 2019 12:57

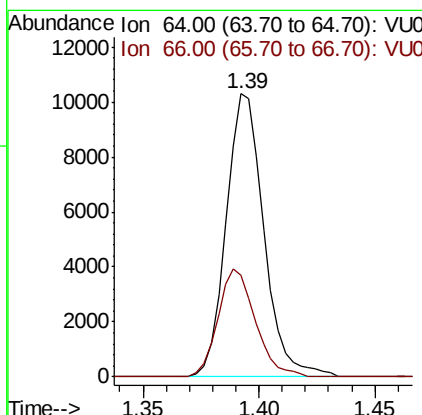
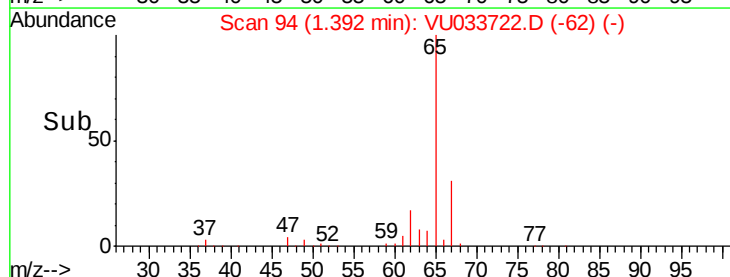
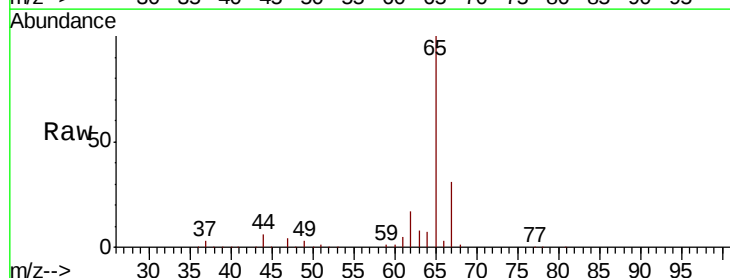
Instrument :
 MSVOA_U
 ClientSampleId :
 F2B30DL

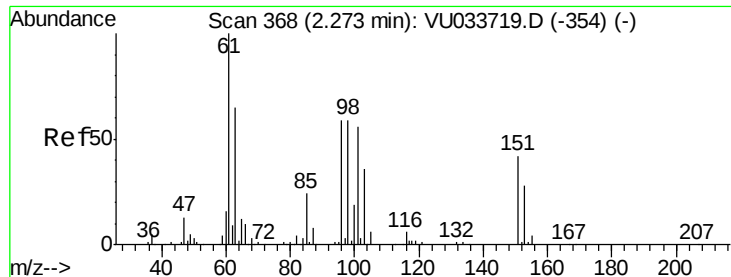
Tgt Ion: 62 Resp: 27803
 Ion Ratio Lower Upper
 62 100
 64 39.0 23.7 43.9



#8
 Chloroethane
 Concen: 5.748 ug/L
 RT: 1.39 min Scan# 94
 Delta R.T. -0.30 min
 Lab File: VU033722.D
 Acq: 10 Aug 2019 12:57

Tgt Ion: 64 Resp: 11590
 Ion Ratio Lower Upper
 64 100
 66 35.9 22.0 41.0





#10

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

Concen: 1.114 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033722.D

Acq: 10 Aug 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

F2B30DL

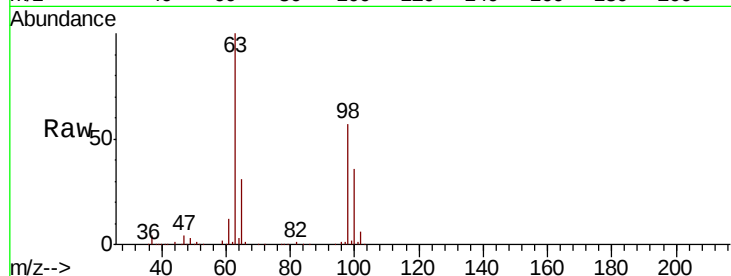
Tgt Ion: 101 Resp: 2099

Ion Ratio Lower Upper

101 100

85 0.0 34.5 51.7#

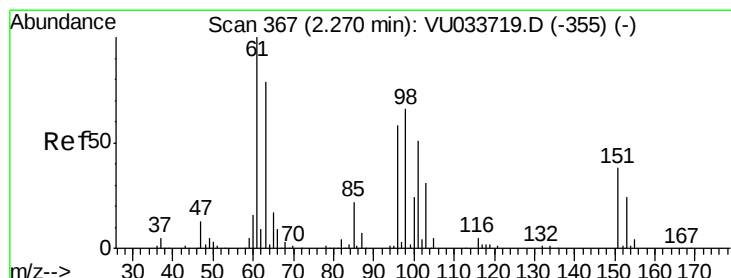
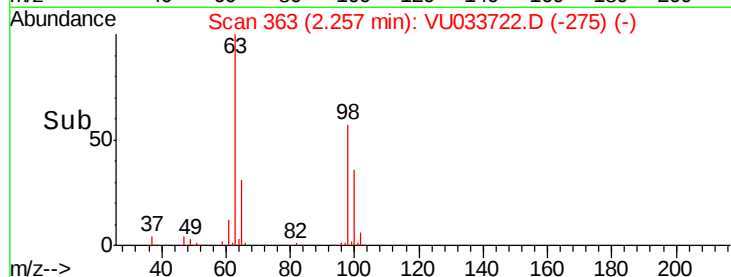
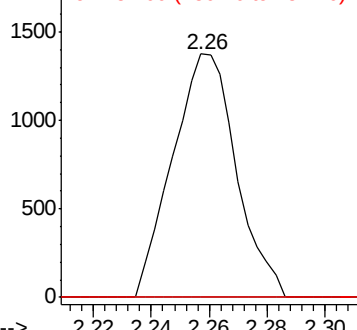
151 0.0 63.0 94.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.052 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033722.D

Acq: 10 Aug 2019 12:57

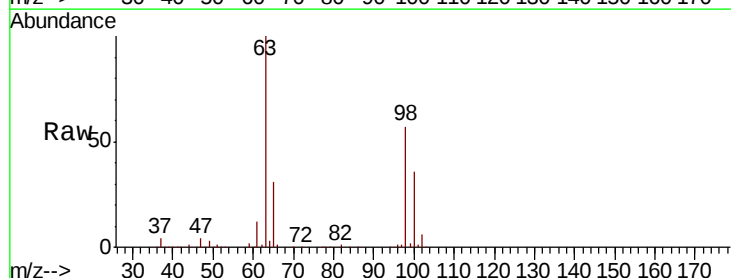
Tgt Ion: 96 Resp: 1947

Ion Ratio Lower Upper

96 100

61 1743.3 118.2 219.6#

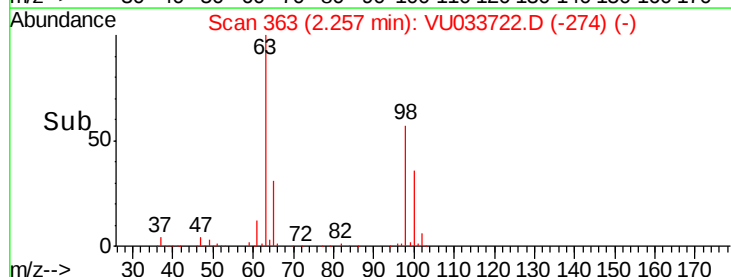
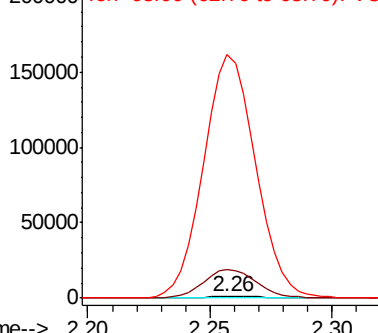
63 14839.3 90.7 168.5#

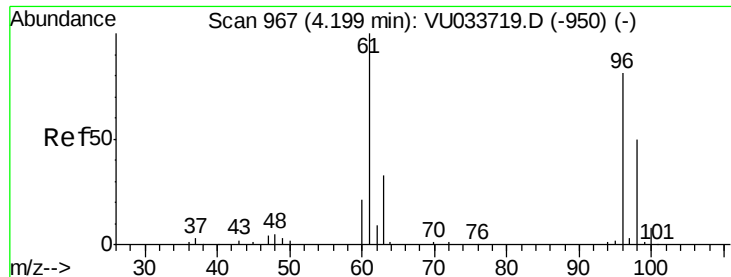


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

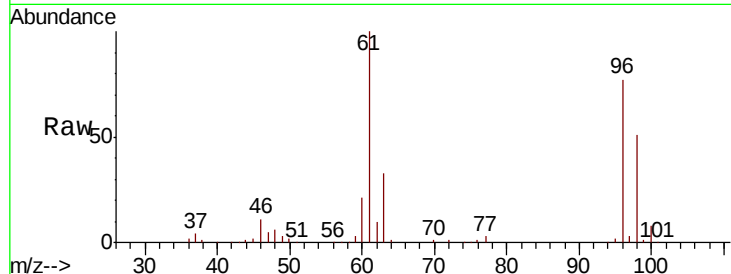




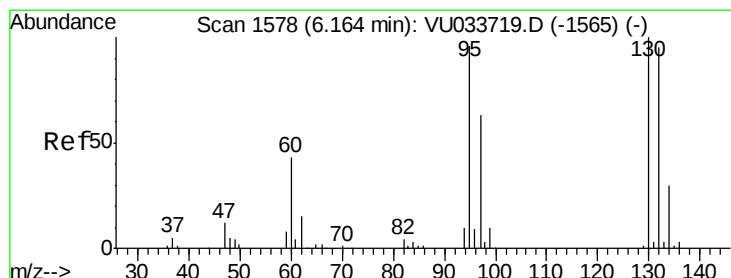
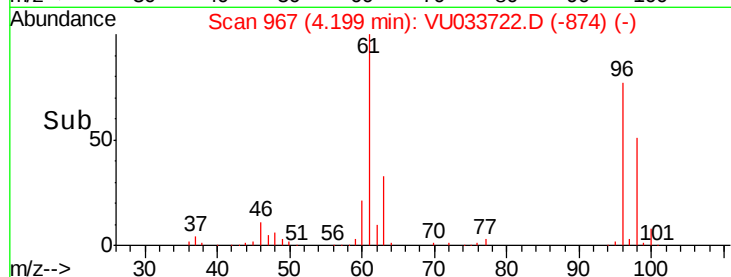
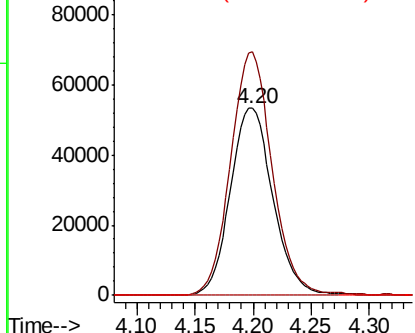
#20
 cis-1,2-Dichloroethene
 Concen: 60.248 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. -0.00 min
 Lab File: VU033722.D
 Acq: 10 Aug 2019 12:57

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 ClientSampleId :
 F2B30DL

Tgt Ion: 96 Resp: 136272
 Ion Ratio Lower Upper
 96 100
 61 130.3 87.0 161.6
 68 0.0 0.0 0.0

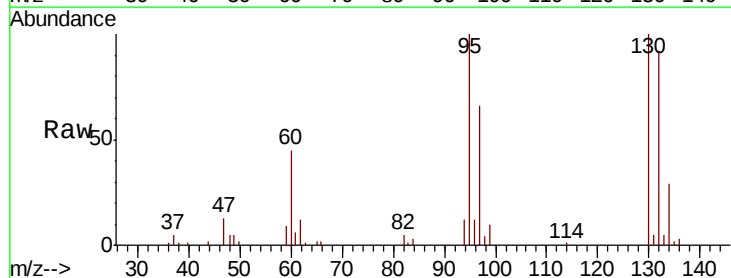


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

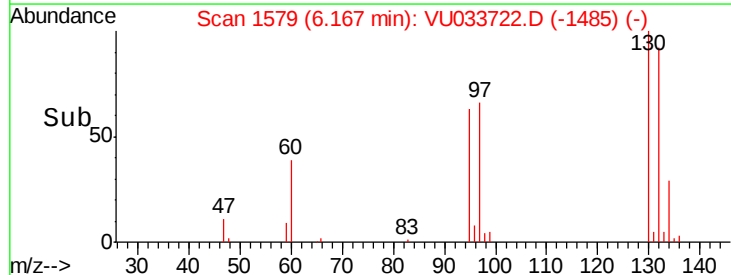
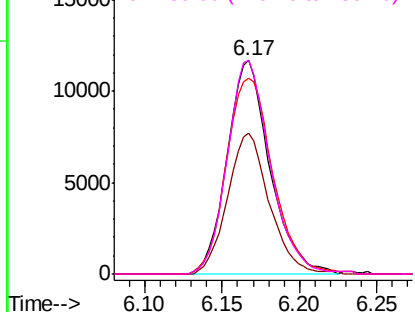


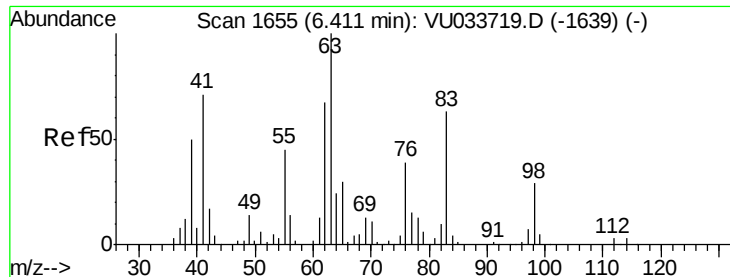
#34
 Trichloroethene
 Concen: 9.958 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU033722.D
 Acq: 10 Aug 2019 12:57

Tgt Ion: 95 Resp: 22421
 Ion Ratio Lower Upper
 95 100
 97 66.2 45.6 84.8
 132 92.1 72.0 133.8
 130 100.2 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

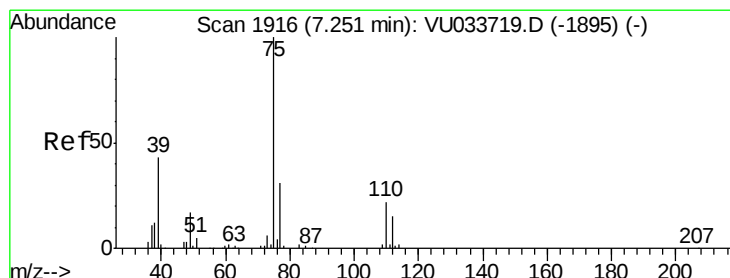
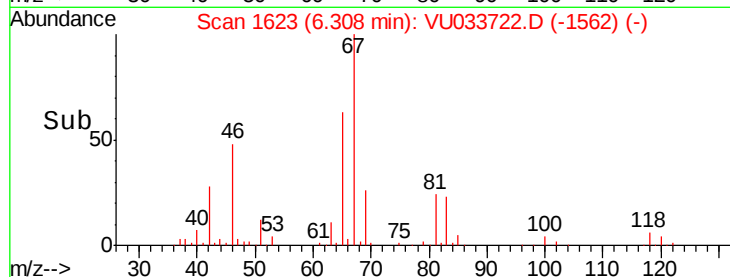
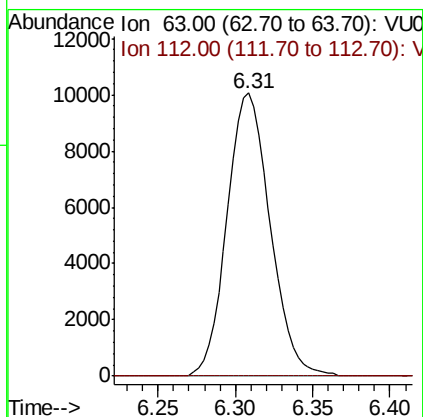
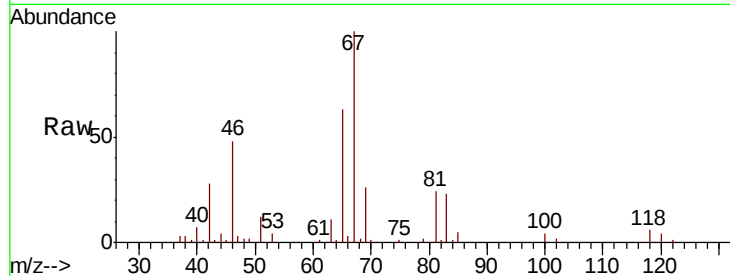




#37
 1,2-Dichloropropane
 Concen: 8.560 ug/L
 RT: 6.31 min Scan# 1623
 Delta R.T. -0.10 min
 Lab File: VU033722.D
 Acq: 10 Aug 2019 12:57

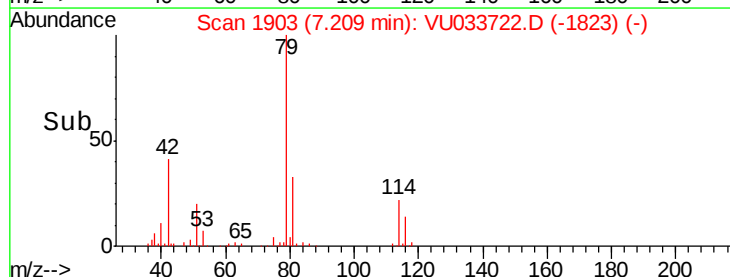
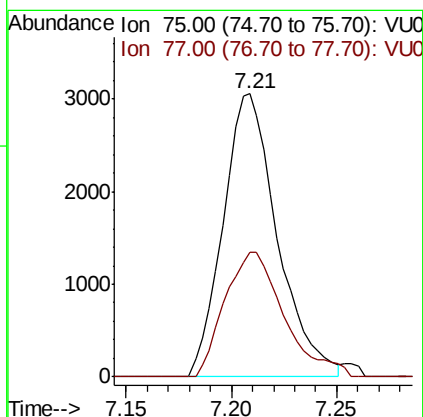
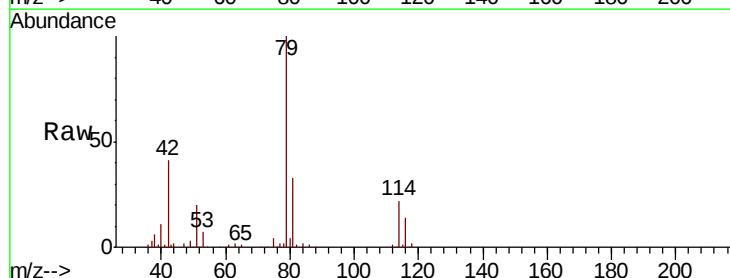
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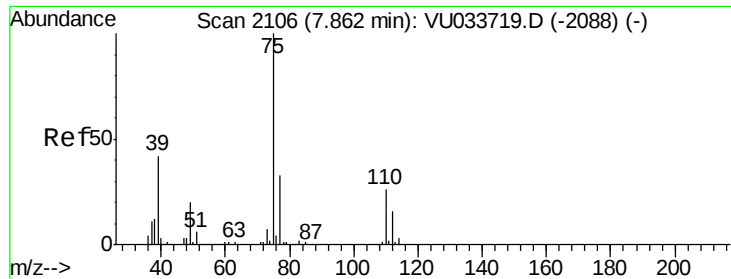
Tgt Ion: 63 Resp: 19494
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 1.505 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033722.D
 Acq: 10 Aug 2019 12:57

Tgt Ion: 75 Resp: 5448
 Ion Ratio Lower Upper
 75 100
 77 44.2 21.7 40.3#





#44

trans-1,3-Dichloropropene

Concen: 1.166 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033722.D

Acq: 10 Aug 2019 12:57

Instrument :

MSVOA_U

ClientSampleId :

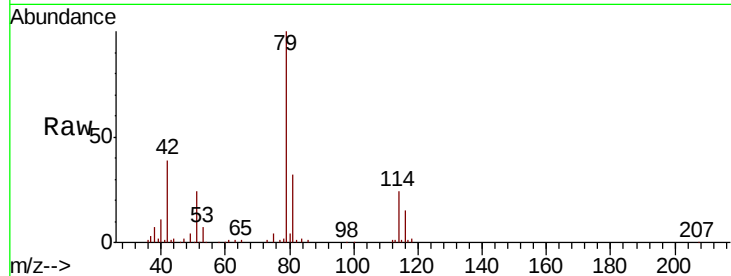
F2B30DL

Tgt Ion: 75 Resp: 3758

Ion Ratio Lower Upper

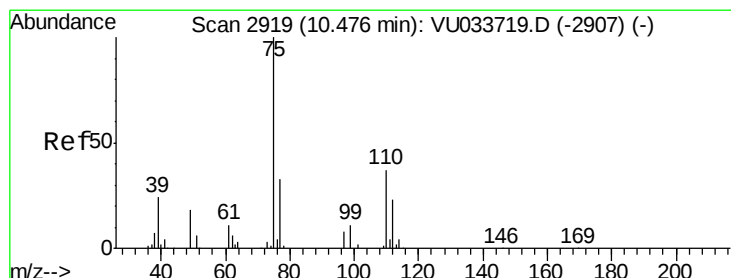
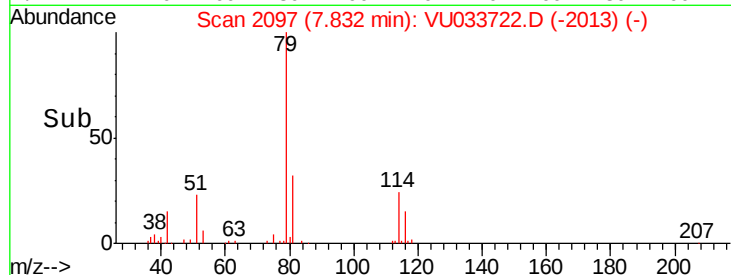
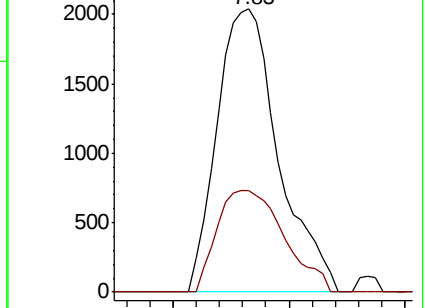
75 100

77 35.9 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.695 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033722.D

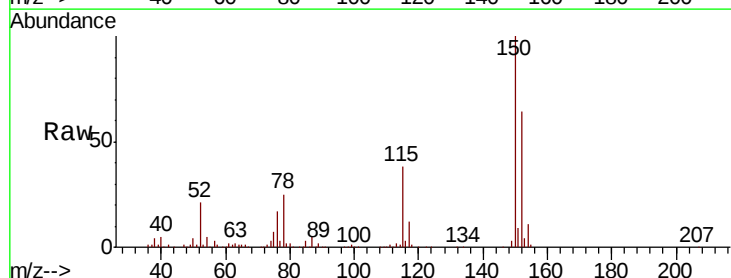
Acq: 10 Aug 2019 12:57

Tgt Ion: 75 Resp: 17532

Ion Ratio Lower Upper

75 100

77 35.8 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

